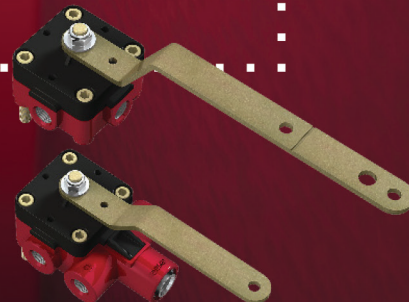




Trailer Commercial Vehicle Systems **PARTS CATALOG**



Protect your investment with Hendrickson Genuine Parts

Hendrickson views education and knowledge as paramount attributes in an industry where equipment uptime is the primary metric. To facilitate these attributes, Hendrickson offers a vast array of tools to support parts and service personnel, along with do-it-yourselfers. Always use Hendrickson Genuine Parts for the best quality in the industry.

Hendrickson's website is the single point of entry to our information and educational highway. Part sell sheets, tech tips, parts lists and technical publications are only a key stroke away. With the endless and dynamic change in our industry, more complex tools are required.

Hendrickson's website offers access to lift axle and bumper configurators, Parts Look Up System (PLUS+) and online educational videos from the Hendrickson Academy. With the combination of Hendrickson genuine parts and support tools, fleets and owner-operators can perform with confidence knowing Hendrickson systems and components support their efforts to help achieve maximum uptime.

Original parts.

Original fit.

Original performance.



www.hendrickson-intl.com



Trailer Ride Solutions & Parts Catalog Guide

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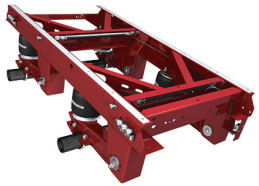
ON-HIGHWAY



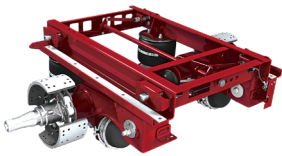
ULTRAA-K®



VANTRAAX®



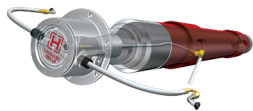
HK™ SLIDERS



INTRAAX® SP



TRLAXLE®



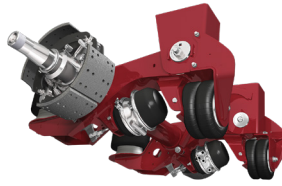
TIREMAAX®



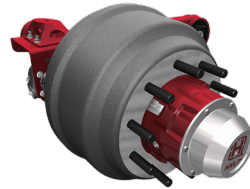
HEIGHT CONTROL VALVES



SURELOK®



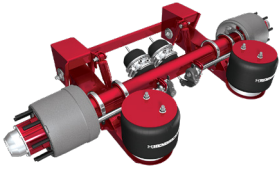
UBL™



RTR®



VOCATIONAL



CONNEX®



CONNEX® ST



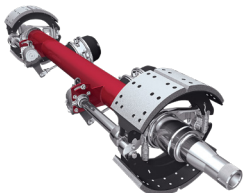
HT™ SERIES



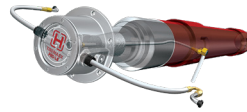
INTRAAX®



RTR®



TRLAXLE®



TIREMAAX®



QUICK-DRAW®



SURELOK®



UBL™



This catalog is designed to simplify the identification and selection of Hendrickson Trailer Commercial Vehicle Systems genuine parts. It includes the following Hendrickson publications – Popular Kits and Parts, Product Profiles, Suspension Conversions, Selection Guides, and Parts Lists – that are also available separately online at www.hendrickson-intl.com. Follow the simple steps below to access digital downloads in PDF format or if available the printed literature.

1 Look at bottom of page for reference literature number

IDENTIFICATION GUIDE Suspension and Axle Identification Guide

HOW TO IDENTIFY A MODEL

STEP 1. Find the identification tag on the suspension or trailer axle model by referencing the following chart for tag location.

STEP 2. If no tag is found, contact the trailer manufacturer with the necessary information (i.e. trailer serial number) to determine what suspension model is on the trailer.

STEP 3. If no suspension model can be obtained by completing steps 1 and 2, refer to the following pages to help determine what suspension model is on the trailer. See instructions on page 4.

WHERE TO FIND ID TAG ON HENDRICKSON AIR SUSPENSIONS

SUSPENSION MODEL	TAG LOCATION
T Primary Suspension	Front of roadside frame bracket or inside of outside beam
HT Series Primary Suspension	Inside of outside beam
INTRAAK® Primary Suspension System	Inside of outside beam
CONNEX® ST Trailer Self-Steer Suspension	Inside of outside beam
CONNEX® Primary Suspension System	Inside of outside beam

Reference lit. number at bottom

2 Click the Search key

Search key

3 Enter the literature number

Type in lit. number

OR

1 Click on *Parts & Services*

Parts & Services

2 Click on Trailer under *Part Profiles*

Trailer

3 Select from the following options

TRAILER LITERATURE

LITERATURE REQUEST FORM

To download and save a PDF file, right click on desired literature and select 'Save Target As...'

Disclaimer:
The technical literature publications displayed under Service Literature on this web site may be of an either from Hendrickson or a distributor. Generally, the most current revision of the specific technical publication or new component service part as promptly as possible, but depends on various factors.

- + Primary Fixed Suspension System
- + Steerable Suspension System
- + Slider Suspension System
- + Non-Integrated Trailer Axles
- + Tire Inflation Systems
- + Brake & Wheel-End Components
- + Vehicle Controls
- + Value-Added Options
- + Genuine Parts



Genuine Parts Product Profiles

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L1020 - Trailer Shock Absorbers	11
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- Optimized ride quality
- Optimized road stability
- Optimized durability



TF II



TF III

Driving Innovation

Hendrickson pioneered the use of a single, large-diameter bushing in trailer air suspensions with our TRI-FUNCTIONAL® bushing. Used in unison with rigid beams and solid axle connections, TRI-FUNCTIONAL bushings deliver enhanced road stability and ride quality in approved on- and off-highway applications. The result is a dependable suspension system that offers extended life, reduced maintenance and maximum protection for cargo, drivers and equipment.

Three Main Functions

The void design and material composition of these unique bushings are critical to controlling the horizontal, vertical and roll forces a trailer generates rolling down the road. A key element of the pivot connection, the TRI-FUNCTIONAL bushing is contained inside the beam with sufficient compression to permit it to flex but not rotate. Compression of one bushing combined with expansion of the opposing bushing helps keep wheels on the road during turns and over irregular surfaces.

Industry-Leading Warranty*

- Approved on-highway applications — up to seven years
- Approved vocational applications — up to seven years
- Approved raw wood applications — up to seven years
- Aftermarket — one year

**Contact Hendrickson for complete warranty terms, conditions and limitations.*



Feature and Benefits

TRI-FUNCTIONAL® III Bushing (TF III)

For INTRAAX® and VANTRAAX® narrow-beam systems

- Increased durability
- Expanded service life
- Enhanced cargo protection and ride
- Broader range of applications

TRI-FUNCTIONAL II BUSHING (TF II)

For INTRAAX, VANTRAAX and HT® SERIES wide-beam suspensions

- Heavy-duty successor to the original TRI-FUNCTIONAL Bushing (TF I)
- Improved fatigue over TF I
- Couple with bushing tube spacers to control lateral movements

Optimally Designed Voids

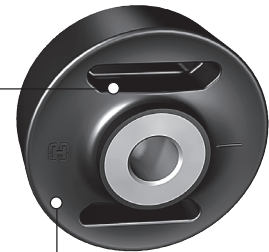
- Absorb varying road forces
- Improved road stability
- Smooth ride
- Cargo protection

Solid Rubber

- Provide fore-aft assistance
- Maintain proper axle alignment and suspension tracking

Specially Formulated Rubber Compound

- Stands up against tough operating conditions



TF III



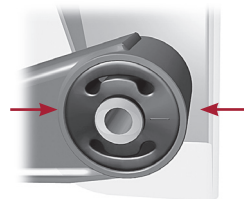
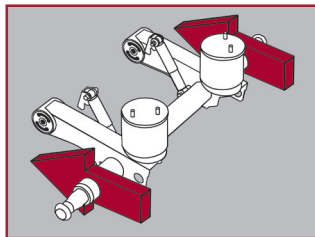
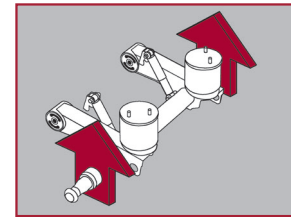
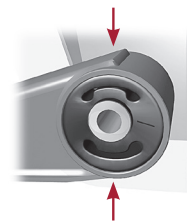
TF II

Bushing's Three Functions (Tri-Functional)

Hendrickson's bushings control three primary road forces:

Vertical Forces

- Voids expand and compress to absorb road induced forces allowing optimum suspension articulation without over stressing the axle
- Ride quality and payload protection surpass other bushing designs

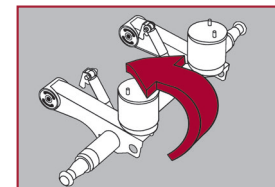
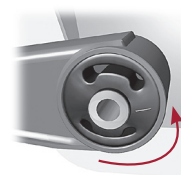


Horizontal Movement

- Solid rubber areas resist forward and backward movement to maintain suspension tracking and alignment during braking and acceleration

Roll Stability

- Voids allow increased articulation to provide exceptional control during turning and roll events
- The special void shapes enhance the axle's ability to act as a torsion bar, resisting trailer roll forces



Hendrickson Genuine Parts are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.



Maintain peak suspension performance with Hendrickson Genuine Parts

Over the decades, Hendrickson Trailer Commercial Vehicle Systems has manufactured millions of air suspensions and integrated systems for trailers. Air springs, shocks, bushings, axles, brake systems and air controls are designed, tuned and tested to ensure they function harmoniously to provide superior suspension system performance. Using Hendrickson Genuine Parts helps ensure the continued reliability and performance you expect from Hendrickson.



Air Springs

Not all air springs are created equal. Differences in air spring piston design, flex member length and overall dimensions may not be obvious. Critical dimensions not visible to the naked eye, including variations in internal bumpers and flex member bias angles, can alter air spring performance. Additionally, mixing air spring designs may cause adverse loading conditions within the suspension system. Always choose Hendrickson Genuine air springs for correct fit, exceptional ride quality and long service life.

Shocks

Hendrickson shocks are designed with specific strokes, seal designs, bore diameters and damping characteristics to optimize the overall performance of the suspension system. Collapsed and extended lengths are critical to air spring, mounting clevis and trailer cross member integrity and life. For example, using a shock with a longer stroke than required may result in overextension of the air spring; too short of a stroke can damage mounting clevises or trailer cross members. To ensure optimal suspension performance, always ask for Hendrickson Genuine shocks.



Bushings

Hendrickson pioneered the use of a single, large-diameter bushing in trailer air suspensions with our TRI-FUNCTIONAL® bushing. Coupled with our rigid beam and solid axle connection, Hendrickson's TRI-FUNCTIONAL bushings deliver enhanced ride and road stability, for a dependable system that provides extended life, reduced maintenance and cargo protection. The void design and material composition of these unique bushings are critical to controlling the horizontal, vertical and roll forces a trailer generates rolling down the road. Insist on Hendrickson Genuine TRI-FUNCTIONAL bushings for exact fit and optimum performance.





Brake Components

Hendrickson's brake designs feature more efficient brake systems with shorter S-cams and beam-mounted hardware. Our patented[▲] Cam Tube System[™] extends brake component life, improves brake responsiveness and reduces maintenance costs by locking out contamination. Hendrickson offers a full line of replacement brake shoes, camshafts and cam tube kits to help ensure continued superior performance of your INTRAAX[®] or VANTRAAX[™] integrated system or TRILAXLE[®] non-integrated axle.

[▲] This product is covered by at least one or more U.S. and/or foreign patents and/or pending U.S. and/or foreign patent applications. See Hendrickson for details.



Air Controls

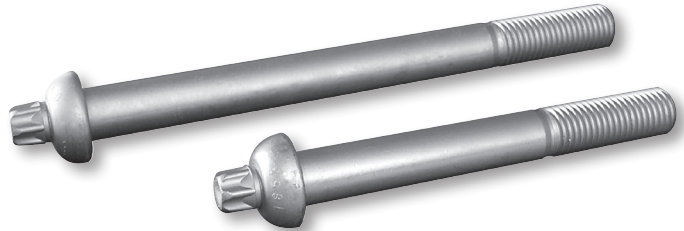
Hendrickson supplies various air and electric-over-air liftable controls, as well as height control and pressure protection valves. Specially designed and tested for optimum performance with Hendrickson air suspensions, our HCVs help maintain outstanding load stability over the road. Hendrickson also offers many manual and automatic controls to exhaust air suspensions. Our engineering staff includes personnel with air control knowledge unique to the industry and just as our air suspension systems, we insist on designing advanced air control solutions.

Pivot Connections

Hendrickson suspension pivot connections provide long-life service and axle alignment precision.

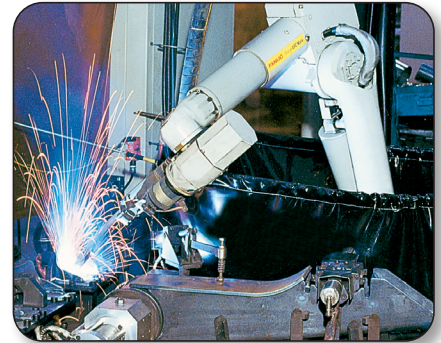
QUIK-ALIGN[®]

Uses a specially designed shear-type bolt combined with eccentric and concentric alignment collars. QUIK-ALIGN pivot connection does not require welding or special tools to re-align the suspension system.



Welded Alignment

Uses a 1-1/8-inch diameter threaded pivot bolt with steel collars. The axle is aligned and then the collars are welded in place.



Fabrication

Hendrickson's history of success centers around our manufacturing and fabrication capabilities. Integral components that comprise our INTRAAX, VANTRAAX and HT[™] Series suspension product lines such as beam assemblies and frame brackets are produced using robotic welding techniques pioneered by Hendrickson.

Hendrickson Genuine Parts are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.



- Optimized ride quality
- Optimized road stability
- Optimized durability



Looks Can Be Deceiving

All air springs are not created equal. Visual similarities among air springs do not guarantee the same fit and functionality as Hendrickson Genuine air springs. Critical dimensions not visible to the naked eye including air spring piston design, flex member length and internal bumpers are essential to the overall performance of your Hendrickson suspension system.

Don't Settle For Less

Mixing air spring designs can cause premature wear on other suspension components vital to maintaining your suspension's ride quality, driver comfort and cargo protection. Non-genuine air springs may differ structurally and not meet the specific mounting requirements of your suspension which can lead to air spring failures due to air spring chafing, incorrect air spring pressure and trailer lean – all problems that can lead to increased downtime and costly repairs.

Protect Your Investment

Hendrickson Genuine Parts work in unison to provide superior performance and enhanced system life. Why diminish the value of your trailer with non-genuine components? Hendrickson Genuine Parts give you peace of mind knowing your replacement part fits and functions to maintain peak performance of your Hendrickson suspension system.

TRAILER AIR SPRINGS Unique Design Features

- Exclusive air spring piston design
- Special flex member lengths
- Unique internal bumpers

Hendrickson Genuine Air Springs are specially designed to:

- Offer superior fit and functionality
- Enhance ride quality
- Reduce overall maintenance of your Hendrickson suspension system
- Optimize system performance

Hendrickson Genuine Parts are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.



- Optimized ride quality
- Optimized road stability
- Optimized durability



Nothing is quite like the original

Visually, a part may look compatible; however, the inner working parts of Hendrickson shocks distinguish us from non-genuine shocks. Our shocks feature a solid inner metal bushing to withstand our high torque level requirements. Using our tough torque requirements on the mounting bolt of a non-genuine product could result in collapsed shocks.

Don't be fooled by imposters

Shocks require the same stroke to keep your trailer functioning properly. Using a non-genuine shock with too short of a stroke can damage mounting clevises or the trailer's cross members. Too long of a stroke can overextend suspension air springs. Using Hendrickson Genuine shocks can prolong the life of other integral suspension components and help reduce costly repairs.

Protect your investment

Hendrickson Genuine Parts work in unison to provide superior performance and enhanced system life. Why diminish the value of your trailer with non-genuine components? Hendrickson Genuine Parts give you peace of mind knowing your replacement part fits and functions to maintain your system's overall performance.

TRAILER SHOCK ABSORBERS Unique Design Features

- Solid Inner Metal Bushings
- Specific Stroke Lengths
- Special Bore Diameters
- Unique Seal Designs

Hendrickson Genuine Shock Absorbers are specially designed to:

- Offer superior fit and functionality
- Withstand Hendrickson's high torque level requirements on the mounting bolt
- Improve damping life
- Reduce overall maintenance of your Hendrickson suspension system
- Optimize system performance

***Hendrickson Genuine Parts** are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.*



- Exclusive patented ride technology
- No shocks needed
- Uniform & consistent suspension damping



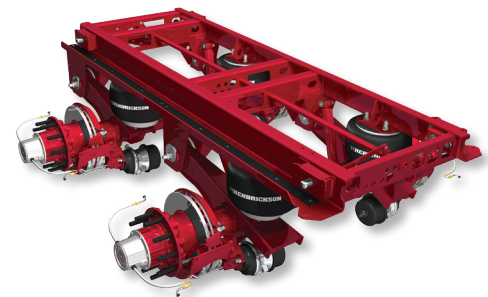
INTRAAX® AAT 23K / 25K



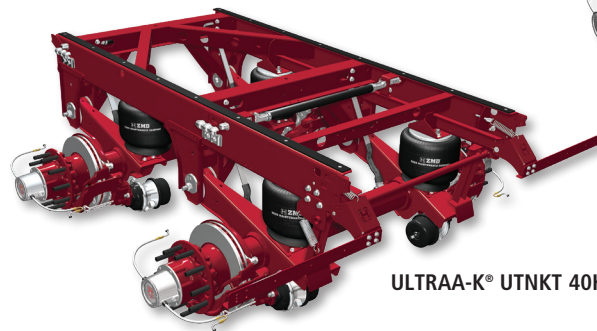
VANTRAAX® HKANT 40K



INTRAAX® AANT 23K



INTRAAX® SP AAZNT 46K



ULTRAA-K® UTNKT 40K

Exclusive, Patented Ride Technology

With a reputation for innovative ride solutions, Hendrickson once again raises the bar with its patented ZMD® ZERO MAINTENANCE DAMPING® technology. ZMD is only available through Hendrickson and ushers in a superior era of ride quality and enhanced maintenance savings.

No Shocks Needed

Available on select VANTRAAX® and INTRAAX® systems and standard on ULTRAA-K® systems, ZMD eliminates conventional shock absorbers and integrates the damping function into the air spring. ZMD air springs exchange pressurized air through channels that interconnect the bellows and piston of this patented air spring.

Uniform Damping, Reduced Maintenance

Unlike a shock absorber whose damping capacity is finite and deteriorates with age, ZMD air springs are designed to provide continuous damping over the life of the air spring. Robust down stops provide maximum durability which helps reduce labor, costs and maintenance over the life of the trailer.



ZMD® Features and Benefits

Patented Air Spring

- Superior ride quality and driver comfort
- Reduced overall suspension maintenance
- Uniform damping levels over the life of the air spring
- Enhanced cargo protection
- Increased trailer component life

Robust Down Stop

- Reduced labor and costs
- Less maintenance
- Reduced risk of roadside inspections and CSA violations

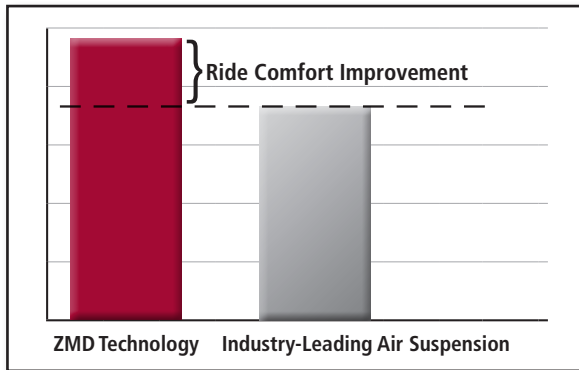


WARRANTY TERMS		
ITEM	PARTS	LABOR
ZMD "Shockless" Ride Technology		
ZMD Air Springs	3 years	3 years
ZMD Down Stops		
Traditional Air Springs & Shock Absorbers		
Air Springs	2 years	1 year
Shock Absorbers	2 years	2 years

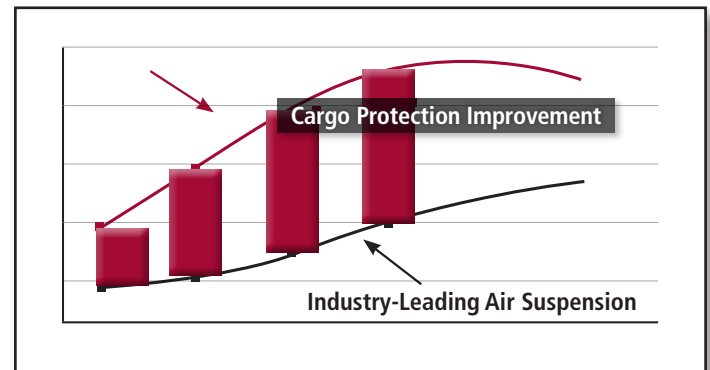
*See L583 Comprehensive Warranty Statement or contact Hendrickson for complete warranty terms, conditions and limitations.

Tested and proven ride technology from Hendrickson

Hendrickson's state of the art research and development, testing and real-world driving evaluations have shown that ZMD technology provides superior suspension damping, which offers enhanced ride quality, driver comfort and cargo protection.



Ride Quality



Cargo Protection

Specifications

MODEL	SYSTEM CAPACITY	AXLE DIAMETER	RIDE HEIGHTS	NOTES
ULTRAA-K®				
UTKNT 40K	40,000 lbs.	LDA™ Large-Diameter Axle	16"	Standard
VANTRAA®				
HKANT 40K	40,000 lbs.	LDA	16"	Optional; Requires QUIK-DRAW®
INTRAA®				
AANT 23K	23,000 lbs.	LDA	14", 15", 16", 17"	Optional; Standard travel only
AAT 23K*	23,000 lbs.	LDA	14", 15", 16", 17"	Optional; Standard travel and limited rebound*
AAT 25K*	25,000 lbs.	LDA	14", 15", 16", 17", 18", 19"	Optional; Standard travel and limited rebound*
INTRAA® SP				
AAZNT 23K	23,000 lbs.	LDA	13.5", 14", 15", 16", 17"	Optional
AAZNT 46K	46,000 lbs.	LDA	13.5", 14", 15", 16", 17"	Optional
AAZNT 69K23	69,000 lbs.	LDA	13.5", 14", 15", 16", 17"	Optional

*RCA Raised-Center Axle is available on AAT 23K / 25K models equipped with ZMD for both standard and limited rebound travel. Only 14" or 16" ride heights are available with limited rebound travel when specifying RCA.



1. What is ZMD® ZERO MAINTENANCE DAMPING® technology?

ZMD ZERO MAINTENANCE DAMPING technology consists of a patented[^] air spring and a down stop that are designed to replace the function of a standard shock absorber to help lower maintenance, improve ride quality and enhance cargo protection.



2. What are the benefits of ZERO MAINTENANCE DAMPING technology?

ZMD offers improved ride quality and helps lower maintenance over the trailer's life cycle due to the elimination of the shock absorbers. It provides better cargo protection and reduces the risks associated with possible CSA violations of applicable U.S. Federal Motor Carrier Safety Administration regulations.

3. What are the advantages of ZMD air springs compared to shocks over the lifetime of the trailer?

Shocks are a common maintenance item on air suspensions that must be replaced periodically. Over time, as shocks wear, their damping capabilities also diminish. ZMD air springs are designed to provide continuous and consistent damping levels throughout the life of the air springs. Since there are no shocks to wear out, the ZMD option helps save time and labor costs over a trailer's life cycle.

4. What are the key design features of ZMD air springs?

The main components of a ZMD air spring are similar to those of a standard air spring - both have a rubber bellows and a steel or plastic piston. The internal design components of this patented air spring are specifically designed to perform the suspension damping function traditionally performed by the shock.

5. How does a ZMD air spring work?

The ZMD air spring exchanges pressurized air between the bellows and piston through channels that interconnect to provide continuous suspension damping.

6. Traditionally, shock absorbers are responsible for controlling the travel of a suspension to prevent overextending the air springs. Since ZMD eliminates the shocks, how will the travel be controlled?

The ZERO MAINTENANCE DAMPING design features down stops to limit suspension travel. The down stops are installed where the shocks would traditionally be.

7. Is ZMD available on all suspension systems?

NO. Currently ZMD is standard on ULTRAA-K® air slider systems. It is an option on select VANTRAAX® and INTRAAX® models. Only VANTRAAX HKANT 40K with a 16-inch ride height equipped with Hendrickson's QUIK-DRAW® fully pneumatic pin-pull system are available with ZMD. INTRAAX AANT 23K and AAT 23K / 25K models with a 14-inch through 17-inch ride height and standard travel are available with ZMD. INTRAAX AAT 23K / 25K RCA models with a 14-inch or 16-inch ride height and limited rebound travel are available with ZMD.

8. Is ZMD the only option available when specifying a new VANTRAAX or INTRAAX suspension?

On select VANTRAAX HKANT 40K models and select INTRAAX AANT 23K and AAT 23K / 25K models, ZMD is an option that is available to customers who wish to upgrade their suspension. Customers still have the option of specifying a suspension with standard air springs and shocks on the HKANT 40K, AANT 23K and AAT 23K / 25K models.

(Please refer to Hendrickson Literature Numbers L602 INTRAAX Ordering Guide, L544 VANTRAAX Ordering Guide and L1226 ULTRAA-K Ordering Guide for a complete list of options)

9. Can ZMD be retrofitted on existing trailers in service?

YES. ZMD air springs and down stops can be retrofitted on select VANTRAAX and INTRAAX models with the following specifications. VANTRAAX HKANT 40K models require a 16-inch ride height and QUIK-DRAW®. ZMD is compatible with Hendrickson's SURELOK® device. INTRAAX AANT 23K and AAT 23K / 25K models are available with 14-inch through 17-inch ride heights and standard travel. INTRAAX AAT 23K / 25K RCA models are available with 14- or 16-inch ride heights and limited rebound travel. Please call Hendrickson for assistance in ordering a ZMD retrofit kit.

**10. Is ZMD® technology compatible with lift kits or lift systems?**

ULTRAA-K® UTKNT 40K and VANTRAAX® HKANT 40K suspensions equipped with ZMD technology are incompatible with Hendrickson lift systems. INTRAAX® AANT and AAT 23K / 25K suspensions equipped with ZMD technology are compatible with Hendrickson's recommended lift kits. Refer to Hendrickson Literature Number L801 Lifiable Application Guide for more information on lift kit availability for AANT 23K and AAT 23K / 25K suspensions.

11. Is ZMD technology compatible with RCA Raised-Center Axles?

INTRAAX AAT 23K / 25K suspensions equipped with ZMD are compatible with RCA. AAT 23K / 25K models specified with standard travel and 14-inch through 17-inch ride heights are available. AAT 23K / 25K models specified with limited rebound travel and 14-inch or 16-inch ride heights are available. RCA is recommended with limited rebound travel.

12. Are replacement ZMD air springs available in the aftermarket?

YES. ZMD air springs and down stops are available in the aftermarket. Contact your Hendrickson Customer Service Representative for more details.

13. Why is ZMD limited to specific ride heights on ULTRAA-K, HKANT 40K and select top-mount INTRAAX models?

ZMD is currently limited because this patented air spring is rated for 20K axle applications. Additionally, the down stop has been rigorously tested for these specific applications.

14. How are ZMD air springs installed?

ZMD air spring installation procedures and mounting hardware are identical to standard air spring and shock installation procedures. To install ZMD air springs as a retrofit, simply remove the existing shocks and air springs and replace with ZMD air springs and down stops. The select INTRAAX AANT 23K models that are available with ZMD require an additional bolt to be added to the shock clevis on winged hangers only. Follow all applicable Hendrickson installation, service, maintenance and repair procedure publications.

15. Can standard air springs be mixed with ZMD air springs?

NO. Mixing ZMD air springs with standard air springs is not recommended. While the load curves for each product are somewhat similar, they provide different damping performance to the suspension system. Mixing ZMD and standard air springs on the same suspension can adversely affect the operation and life of other integral suspension components.

16. Can ZMD air springs equipped on VANTRAAX® and INTRAAX suspensions be interchanged?

NO. Both ZMD and standard air springs are specially designed to meet the needs and geometry of the specific application. It is important to use only the exact air springs specified by Hendrickson for each model to ensure maximum operation performance and life of components.

17. How can customers tell the difference between a ZMD air spring and a standard air spring?

The customer must visually inspect the air spring to verify the type of air spring.

Identifiers include:

- ZMD embossed on the bellows
- Part number
- Down stop instead of shocks
- Sealed piston bottom
- Black plastic on ULTRAA-K

Similar to today's standard air springs, the Hendrickson part number will be located on the ZMD air spring bellows.

18. Is there slack in the down stop on ZMD?

YES. There is slack in the down stop to allow 3 to 4 inches of suspension travel on ULTRAA-K® and VANTRAAX HKANT 40K models. The select top-mount INTRAAX models available with ZMD will allow for 2 inches of suspension travel.

19. Will the down stop kink or twist?

The down stop cover helps prevent the down stop from twisting and kinking at installation and while the trailer is in service.



**20. Is the air-up time the same on ZMD® air springs as on standard air springs?**

NO. ZMD has a slightly longer air-up time but it is not significant.

21. What suspension load scale kit should be used for ZMD?

VANTRAAX® HKANT 40K and select top-mount INTRAAX® models equipped with ZMD use the same load scale kits available for models equipped with standard air springs. Please refer to Hendrickson Literature Number L1182 Controls Parts Catalog for a complete listing of load scale kits.

22. How do I inspect ZMD air springs and down stops?

A visual inspection of the components during regularly scheduled trailer maintenance is all that is required. There are no additional component inspection requirements for ZMD. Follow all applicable Hendrickson installation, service, maintenance and repair procedure publications.

23. What is the suspension jounce for a ZMD air spring?

The ZMD air spring is designed to provide the same suspension jounce travel as the standard air springs on the select VANTRAAX and INTRAAX suspensions.

24. Can the ZMD down stops be interchanged on ULTRAA-K®, VANTRAAX® HKANT 40K and top-mount INTRAAX® models?

NO. The ZMD down stops equipped on ULTRAA-K, VANTRAAX HKANT 40K and top-mount INTRAAX models are not interchangeable with one another.

25. Can a shock absorber be used to replace the down stop(s) on a suspension equipped with ZMD?

There are no shock absorbers that will properly fit the ULTRAA-K suspension. Replacing a down stop with a shock is not recommended for the VANTRAAX HKANT 40K models equipped with ZMD air springs. The same is true for the select top-mount INTRAAX models available with ZMD.

26. Does ZMD require any special plumbing, height control valves or other valves?

NO. The ZMD air spring can be installed exactly the same as current air springs including all mounting bolts, air lines and valves.

27. What are the visual differences between the ULTRAA-K, VANTRAAX and INTRAAX ZMD down stops?

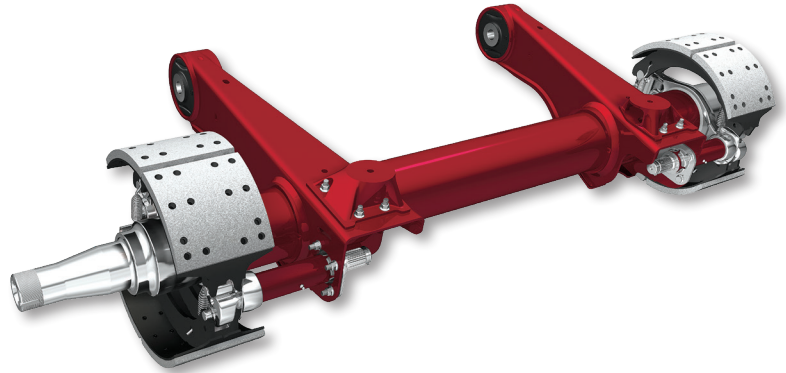
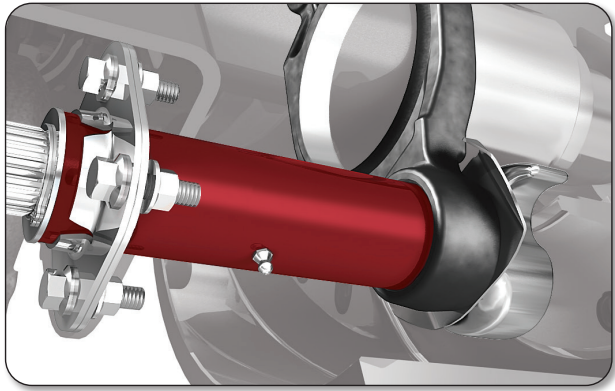
The ULTRAA-K ZMD down stop mounts within the cross member. It features a partial rod with a chain connection. The VANTRAAX ZMD down stop is a full chain that is installed to the outside of the cross member by a shock clevis. The INTRAAX ZMD down stop is a full chain that is installed to the frame bracket by a shock clevis.



Hendrickson genuine replacement cam tubes

Hendrickson's revolutionary Cam Tube System™ is patented[▲] with a unique 4-tabbed design. Engineered to perform, this 4-tabbed Cam Tube System is manufactured with tight tolerances creating a clamping force that is symmetric around the cam tube.

[▲] This product is covered by at least one or more U.S. and/or foreign patents and/or pending U.S. and/or foreign patent applications. See Hendrickson for details.



Hendrickson's 4-Tabbed Design

Competitor's 2-Tabbed Design

Competitor's O-Ring Design

Structural Design

Hendrickson's 4-tabbed design is manufactured to perform.

- The symmetric clamping holds the cam tube in position to help prevent cam tube rotation, which can cause premature wear to the brake spiders and could result in an expensive replacement of the HALFTRAAX™ axle / beam weldment.

Bent washer design provides increased durability and resistance to rotation versus the flat design.

- Bent to allow the washer to be common between a 15" and 16.5" diameter INTRAAX® brake.

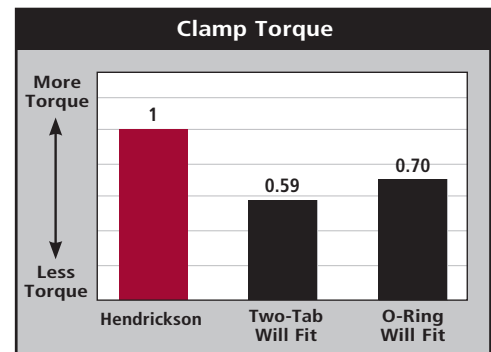
Mechanical Properties

Hendrickson's cam tube clamping bracket is manufactured using high-strength, low alloy, high quality steel.

- On certain will-fit brands of cam tubes, testing indicates the clamping bracket mechanical properties have a lower torque causing less resistance to movement than Hendrickson's bracket.
- The clamping force will not deform the plate.

Hendrickson's cam tube bushing has internal lubricants to reduce friction and extend wear life.

- Many competitor bushings are glass-filled nylon and have NO internal lubricants.



Above clamp torque data is based upon internal testing



NOTE: Look for the orange label with the black-filled slack adjuster image and L748 B 08-05 on the bottom edge of the label to ensure that it is a Hendrickson Genuine Part.



NOTES

A series of horizontal lines forming a large rectangular area for notes, starting below the 'NOTES' header and extending down to just above the footer.



Recommended Stocking List

L1181 - Dealer Recommended Stocking List	20
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Directions: This stock list is a recommendation of Hendrickson's most common kits sold in the aftermarket. Descriptions are provided for components to allow you to choose the correct kits to stock based on the type of Hendrickson trailer suspensions most common at your facility.

DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
AIR SPRINGS		
INTRAAX® AAT 23K, AANT 23K suspensions	S-21800	5
VANTRAAX® HKANT 40K slider (Below 16" RH)		
INTRAAX AAT 25K suspension	S-20901	2
INTRAAX AAT 30K suspension	S-25873	1
VANTRAAX HKANT 40K slider (16" RH and above) (Units built before Jan 2008)	S-22948	2
VANTRAAX HKANT 40K slider (16" RH and above) (Units built after Jan 2008)	S-28929	2
VANTRAAX HKAT 46K, HKANT 46K sliders	S-22948	2
HK™ Series HK190T slider	S-22045	2
HK Series HK230 slider	S-22046	1
HT® Series HT190T, HS Series HS190T suspensions	S-20223	2
HT Series HT190U suspension	S-20217	2
HT Series HT230, HS Series HS230 suspensions	S-20010	5
HT Series HT250T, HT250U suspensions	S-20124	2
HT Series HT250US suspension	S-20127	2
HT Series HT300, HS Series HS300 suspensions	S-4771	2
UBL™ UNDER BEAM LIFT™ UBL-001, 002, 003 and 004	S-23114	1
ZMD® AIR SPRINGS		
ULTRAA-K® UTKNT 40K slider (units built before March 2019)	S-34733	4
ULTRAA-K UTKNT 40K slider (units built after March 2019)	S-38000	4
VANTRAAX HKANT 40K slider (16" RH; requires QUIK-DRAW®)	S-33161	4
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel); Steel Piston		
INTRAAX AAT 23K suspension (14" - 17" RH – Std. travel); Steel Piston	S-35510	2
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel); Steel Piston		
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel); Plastic Piston		
INTRAAX AAT 23K suspension (14" - 17" RH – Std. travel); Plastic Piston	S-39400	2
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel); Plastic Piston		
INTRAAX AAT 25K suspension (14" - 19" RH – Std. travel)		
INTRAAX AAT 25K RCA suspension (14" or 16" RH – Limited Rebound Travel)	S-39401	2



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
AIR SPRING BOLT KITS (One kit required per air spring)		
INTRAAX® AAT 23K, 25K, 30K and AANT 23K suspensions (1.125" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (1.125" thick spacer)		
VANTRAAX® HKANT 40K slider (cast air spring pedestal and 19" RH)	S-22630/2	3
VANTRAAX HKAT 46K slider (17" RH)		
VANTRAAX HKANT 46K slider (19" RH)		
VANTRAAX HKAT 50K slider (17" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (1.875" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (1.875" thick spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 15" or 19" RH)	S-22631/2	2
VANTRAAX HKAT 46K slider (15" or 18" RH)		
VANTRAAX HKAT 50K slider (18" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (3.125" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (3.125" thick spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 15.5" RH)	S-22632/2	2
VANTRAAX HKAT 46K slider (19" RH)		
VANTRAAX HKAT 50K slider (19" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (no spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (no spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 16", 16.5" or 17" RH)		
VANTRAAX HKANT 40K slider (cast air spring pedestal and 14"-18" RH)	S-22619/2	1
VANTRAAX HKAT 46K slider (16" RH)		
VANTRAAX HKANT 46K slider (14" - 18" RH)		
VANTRAAX HKAT 50K slider (16" RH)		
VANTRAAX ULTRAA-K® UTKNT 40K slider		
HK™ Series HK190T and HK230 slider (1" air spring spacer)	S-22908/2	1
HK Series HK190T and HK230 slider (2" air spring spacer)	S-22909/2	1
AIR SPRING SPACERS		
Air spring spacer, 1.125"	B-22510-1	2
Air spring spacer, 1.875"	B-22510-2	1
Air spring spacer, 3.125"	B-22510-3	1
Air spring spacer, 0.75"	B-22510-4	1



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
SHOCK ABSORBERS (Standard service shown; other options exist — contact Hendrickson)		
INTRAAX® AAT 23K, AANT 23K and AAT 25K suspensions		
INTRAAX AAL 23K and 25K suspensions (12" RH)	S-23566	2
VANTRAAX® HKAT 46K and HKANT 46K sliders		
VANTRAAX HKAT 50K slider		
INTRAAX AAL 23K and 25K suspensions (14"-19" RH)	S-2212	2
HT® Series HT250T suspension		
INTRAAX AAL 23K and 25K suspensions (6.5" - 9" RH)	S-23651	2
VANTRAAX HKANT 40K slider	S-24088	3
INTRAAX AAT 30K suspension	S-24023	2
HK™ Series HK190T and HK230 sliders	S-21292	3
HT Series HT190T, HT190U, HS Series HS190T suspensions	S-20001	2
HT Series HT230, HT250U, HS Series HS230 suspensions	S-20002	3
HT Series HT250US suspension (5.5" and 6.5" RH)	S-23650	2
HT Series HT250US suspension (7.5" - 14" RH)	S-23649	2
HT Series HT300, HT300US, HS Series HS300 suspensions	S-20126	2
SHOCK BOLT KITS (One kit required per air spring)		
INTRAAX AAT 23K, 25K and 30K suspensions		
VANTRAAX HKAT 50K slider	S-24021	2
INTRAAX AANT 23K suspension		
VANTRAAK HKANT 40K slider		
VANTRAAX HKAT 46K slider	S-24049/2	1
VANTRAAX HKANT 46K slider		
Most HT/HS Series 190T, 230, 250T, 190U, 300T suspensions	S-20031/2	1
Most HT Series HT250U, 300T, 300US, 230 suspensions (remote shock)	S-2157/2	1
HT Series HT250US suspension	S-24024	1
ZMD® SHOCK CLEVIS BOLT KIT		
INTRAAX AANT 23K Suspension (14" - 17" RH; Std. travel; winged hangers only)	S-37219	2
ZMD DOWN STOP		
VANTRAAX HKANT 40K slider (16" RH; Requires QUIK-DRAW®)		
INTRAAX AANT 23K suspension (14" RH; 16" with bolt-on frame brackets; Std. travel)		
INTRAAX AAT 23K suspension (14" RH - Std. travel)	S-33669	4
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		
INTRAAX AANT 23K suspension (15" and 17" RH; 16" RH with weld-on frame brackets; Std. travel)		
INTRAAX AAT 23K suspension (15" - 17" RH; Std. travel)	S-33669-3	2
ZMD DOWN STOP BOLT KIT		
VANTRAAX HKANT 40K slider (16" RH; Requires QUIK-DRAW)		
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel)		
INTRAAX AAT 23K suspension (14" RH – 17" RH – Std. travel)	S-24049/2	4
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
ZMD DOWN STOP KIT (Includes down stop and hardware)		
ULTRAA-K UTKNT 40K slider (units after March 2017)	S-38100-1	4
PIVOT BUSHING KITS (Includes bushing, pivot bolt kit, wear pads and lubricant)		
QUIK-ALIGN®, wide bushing	S-24691	4
QUIK-ALIGN, narrow bushing (includes 2 bushings)	S-26321	3
Welded alignment, wide bushing	S-6914	4
PIVOT CONNECTION HARDWARE		
Alignment collar — most welded alignments	S-2770	4
Alignment collar — QUIK-ALIGN® concentric (inner)	S-20924	4
Alignment collar — QUIK-ALIGN eccentric (outer)	S-20925	4
Bushing tube spacer — wide pivot connection	S-21099	4
Bushing tube spacer — narrow pivot connection	S-26807	4
PIVOT BOLT KITS (Alignment collars not included)		
QUIK-ALIGN, wide bushing	S-24679	4
QUIK-ALIGN, narrow bushing	S-24705	4
U-BOLT KITS (One U-bolt with nuts and washers)		
HT® Series HT250US suspension (5.5" and 6.5" RH, flattened bolt)	S-22894/4	1
Most HT/HS Series top-mount and HT Series underslung HT190U suspensions	S-21140/4	2
Axle spacer (Must use with flattened U-bolt)	S-20701	2
TOOLS		
Bushing Tool, wide bushing	S-21307	1
Bushing Tool, narrow bushing	S-24736	1
E-20 socket — 1" drive	S-24536	1
QUIK-DRAW® PNEUMATIC PIN PULL SYSTEM		
Three-way auto reset valve with fittings	VS-25224	2
Three-way auto reset valve	VS-25223	2
48" & 54" box front actuator (cast iron – units built before Feb. 2015)	S-28061-2	1
48" & 54" rear actuator (cast iron – units built before Feb. 2015)	S-28062-2	1
48" & 54" box front actuator with fittings (composite – units built in and after Feb. 2015)	S-35294-2	1
48" & 54" rear actuator with fittings (composite – units built in and after Feb. 2015)	S-35295-2	1
SLIDER LOCKING PIN		
UNITS BUILT BEFORE SEPT. 2012		
1.375" Diameter, 4" hole center (TTMA)	S-28290	4
1.375" Diameter, 6" hole center	S-28290	4
1.625" Diameter, 4" hole center	S-28289	4
UNITS BUILT AFTER SEPT. 2012 – 40K & 50K / JULY 2014 – other VANTRAAX®		
1.375" Diameter, 4" hole center (TTMA)	S-32389	4
1.375" Diameter, 6" hole center	S-32389	4
1.625" Diameter, 4" hole center	S-32388	4



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
SLIDER ACCESSORIES		
Body rail clip — 2" hole centers (HS slider)	S-22366	2
Body rail clip — 1.5" hole centers (HS slider)	S-14108	2
Body rail clip — use with 6" hole centers and 1.375" lock pin	S-24460	2
Body rail clip — use with 4" hole centers and 1.625" locking pin	S-24459	2
SURELOK® air spring actuator assembly	S-25593	2
BOLT-ON END STOP (ULTRAA-K® 4" body rail hole spacing only)		
Left front rail and right rear rail — .188" thickness	S-34821-1	2
Right front rail and left rear rail — .188" thickness	S-34821-2	2
Left front rail and right rear rail — .232" thickness	S-35761-1	2
Right front rail and left rear rail — .232" thickness	S-35761-2	2
VALVES AND HARDWARE		
Height control valve	VS-227	4
Height control valve — ULTRAA-K® UTKNT 40K slider	VS-33704-3	5
Bolted link assembly	S-14187	3
4-way push pull system — for use with SURELOK® system	VS-14179	1
3-way ball valve	VS-22535	2
Differential height control valve with dump for DST®	VS-27116	1
4-way air pilot valve	VS-2552	1
3-way air pilot valve	VS-23588	1
TIREMAAX® ACCESSORIES		
CP or CP Integrated controller assembly	VS-29865-100	OPTIONAL
PRO controller assembly	VS-32074-100	OPTIONAL
EC or CP hubcap — HN grease (spindle-mounted rotary union)	VS-29566-1	2
EC or CP hubcap — HN oil (spindle-mounted rotary union)	VS-29566-3	2
EC or CP hubcap — HP grease (spindle-mounted rotary union)	VS-29566-2	2
EC or CP hubcap — HP oil (spindle-mounted rotary union)	VS-29566-4	2
CP Integrated hubcap — HN oil (hubcap-mounted rotary union)	VS-32068-1	2
CP Integrated hubcap — HN grease (hubcap-mounted rotary union)	VS-32068-3	2
CP Integrated hubcap — HP oil (hubcap-mounted rotary union)	VS-32070-1	2
CP Integrated hubcap — HP grease (hubcap-mounted rotary union)	VS-32070-3	2
PRO hubcap — HN oil (hubcap-mounted rotary union)	VS-32055-1	2
PRO hubcap — HN grease (hubcap-mounted rotary union)	VS-32055-3	2
PRO hubcap — HP oil (hubcap-mounted rotary union)	VS-32056-1	2
PRO hubcap — HP grease (hubcap-mounted rotary union)	VS-32056-3	2
Adapter Plug 18-inch; 3-way connector	VS-29857	1
ABS junction harness 15-foot; 3-way connector	VS-30270	1
ABS junction harness 3-foot; 3-way connector	VS-30270-1	1
EC or CP stainless steel tire hose, straight — Dual, 17" tire size or super single, 22.5" tire size	VS-29003-1	4



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
TIREMAAX® ACCESSORIES (Continued)		
EC or CP stainless steel tire hose, 180 degree — dual (22.5", aluminum or steel)	VS-29004-2	4
PRO or CP Integrated stainless steel tire hose, straight — dual (22.5", aluminum or steel)	VS-31503-1	4
PRO or CP Integrated stainless steel tire hose, 180 degree — dual (22.5", steel or combo)	VS-31504-2	4
PRO or CP Integrated stainless steel tire hose, straight — super single (22.5", aluminum or steel)	VS-31503-3	2
PRO or CP Integrated thermoplastic tire hose, straight — dual (22.5", steel or combo)	VS-33767-1	4
PRO or CP Integrated thermoplastic tire hose, straight — dual (22.5", aluminum)	VS-33767-5	4
PRO or CP Integrated thermoplastic tire hose, 180 degree — dual (22.5", aluminum steel or combo)	VS-33769-1	8
PRO or CP Integrated thermoplastic tire hose, straight – super single (22.5", aluminum and steel)	VS-33767-3	2
EC or CP tee fitting — dual	VS-29854	4
EC or CP elbow fitting — super single	VS-30002	4
EC or CP tee fitting guard — for use with stemco extended hubcaps	VS-30451	4
EC or CP rotary union kit	S-28622	4
EC or CP Axle hose clamp	VS-26451	2
EC or CP spindle plug assembly — HN (1.75")	VS-27448	2
EC or CP spindle plug assembly — HP (2.50")	VS-27839	2
EC or CP axle hose for INTRAAX® / VANTRAAX® suspensions	VS-29094-1	1
PRO or CP Integrated spindle plug assembly — HN (1.75")	VS-33092-1	1
PRO or CP Integrated spindle plug assembly — HP (2.75")	VS-33092-2	1
PRO or CP Integrated axle hose for INTRAAX / VANTRAAX suspensions	VS-32087-1	1
PRO or CP Integrated axle vent for INTRAAX / VANTRAAX suspensions	VS-32101	1
Target Gauge – CP with spindle-mounted rotary union	VS-30468	1
Target Gauge – CP with hubcap-mounted rotary union	VS-32344	1
Target Gauge – PRO	VS-32331	1
Trailer Mounted Indicator light kit - Incandescent	VS-28059	1
Plug driver — handle	S-27399	1
Plug driver — HN (1.75")	S-28146-1	1
Plug driver — HP (2.75")	S-28146-3	1

AIR DISC BRAKE COMPONENTS

HENDRICKSON / MAXX22T™

Pad kit	S-35303-1	Minimum of 4
Caliper - Left Handed	S-35973-L	1
Caliper - Right Handed	S-35973-R	1
Guide bolt kit	S-35303-4	2
Gasket kit	S-32676-3	1
Basic tool kit (Contains 4 tools to use on all WABCO ADB)	S-32676-5	1 Kit
MAXX22T tool kit (Contains one tool that can be used on either MAXX22T or MAXXUS)	S-35303-6	Pick either basic or WABCO
Air chamber, Type 18/24, INTRAAX® AAT/AANT - Left Handed	S-38721-L	2
Air chamber, Type 18/24, INTRAAX AAT/AANT - Right Handed	S-38721-R	2
Air chamber, Type 18/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38721-U	2



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
BENDIX ADB22X		
Pad kit	S-29152-2	Minimum of 4
Splined rotor	S-29152-17	2
Caliper - Left Handed	S-33647-2	1
Caliper - Right Handed	S-33647-3	1
Guide pin kit	S-29152-9	2
Air chamber, Type 18/24, INTRAAX® AAT/AANT and TRLAXLE® - Left Handed	S-38105-L	2
Air chamber, Type 18/24, INTRAAX AAT/AANT and TRLAXLE - Right Handed	S-38105-R	2
Air chamber, Type 18/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38105-U	2
WABCO PAN22		
Pad kit	S-32676-1	Minimum of 4
Caliper - Left Handed	S-33648-2	1
Caliper - Right Handed	S-33648-3	1
Guide bolt kit	S-32676-4	2
Gasket kit	S-32676-3	1
Air chamber, Type 20, INTRAAX AAT/AANT and TRLAXLE - Left Handed	S-32793-L	2
Air chamber, Type 20, INTRAAX AAT/AANT and TRLAXLE - Right Handed	S-32793-R	2
Air chamber, Type 20, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-32793-U	2
Air chamber, Type 20/24, INTRAAX AAT/AANT - Left Handed	S-38723-L	2
Air chamber, Type 20/24, INTRAAX AAT/AANT - Right Handed	S-38723-R	2
Air chamber, Type 20/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38723-U	2
S-CAMS		
Most INTRAAX and VANTRAAX suspensions — curbside 28 spline, for HXS® and standard lining, 16.5" brakes	S-24636-1R	4
Most INTRAAX and VANTRAAX suspensions — roadside 28 spline, for HXS and standard lining, 16.5" brakes	S-24636-1L	4
CAM TUBE SYSTEM™ KITS		
Cam Tube System service kit, 16.5" × 7" Brakes	S-28890	5
DUST SHIELD KITS		
16.5" Dust shield kit for 5" axle	S-28500-1650	4
16.5" Dust shield kit, LDA™ Large-Diameter Axle	S-28500-1657	4



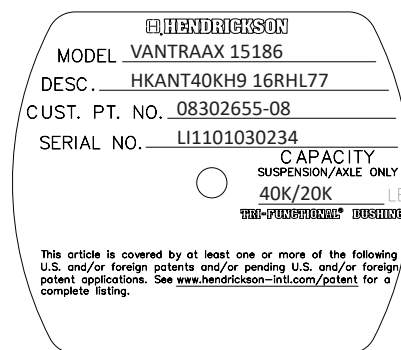
Trailer Suspension and Axle Identification Guide

L977 - Trailer Identification Guide	28
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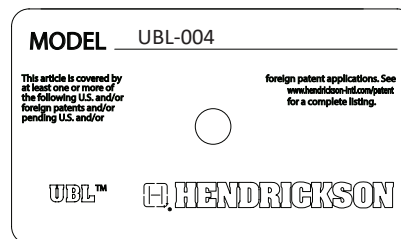


HOW TO IDENTIFY A MODEL

- STEP 1.** Find the identification tag on the suspension or trailer axle model by referencing the following chart for tag location.
- STEP 2.** If no tag is found, contact the trailer manufacturer with the necessary information (i.e. trailer serial number) to determine what suspension model is on the trailer.
- STEP 3.** If no suspension model can be obtained by completing steps 1 and 2, refer to the following pages to help determine what suspension model is on the trailer. See instructions on page 4.



Identification Tag
(VANTRAX® Tag Shown Above)

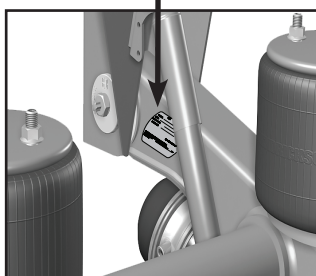


Identification Tag
(UBL™ Tag Shown Above)

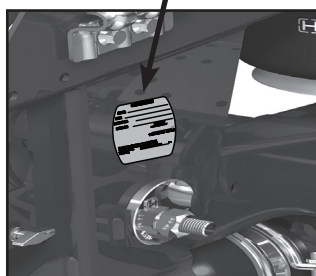
WHERE TO FIND ID TAG ON HENDRICKSON AIR SUSPENSIONS

SUSPENSION MODEL	TAG LOCATION
T Primary Suspension	Front of roadside frame bracket or inside of curbside beam
HT® Series Primary Suspension	Inside of curbside beam
INTRAAX® Primary Suspension System	Inside of curbside beam
CONNEX® ST Trailer Self-Steer Suspension	Inside of curbside beam
CONNEX Primary Suspension System	Inside of curbside beam
HS Slider with HT Suspensions	Front cross member on HS box
INTRAAX SP Slider Suspension System	On roadside front frame bracket gusset
HK™ Slider Suspension	On roadside slider box side rail above front frame bracket
VANTRAX® Slider Suspension System	On roadside slider box side rail above front frame bracket; also has blank INTRAAX tag on inside of curbside beam
ULTRAA-K® Air Slider Suspension System	On roadside front frame bracket

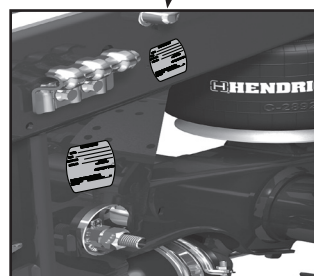
**INTRAAX / HT /
CONNEX ST / CONNEX**
Inboard side of curb
side trailing arm



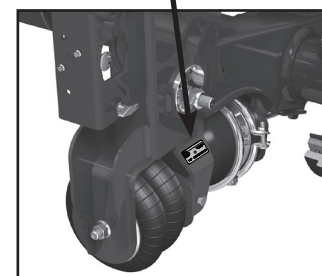
ULTRAA-K
Roadside on front
of frame bracket



VANTRAX / HKBOX
Roadside front of side
rail on slider box



UBL
Roadside of lift bracket



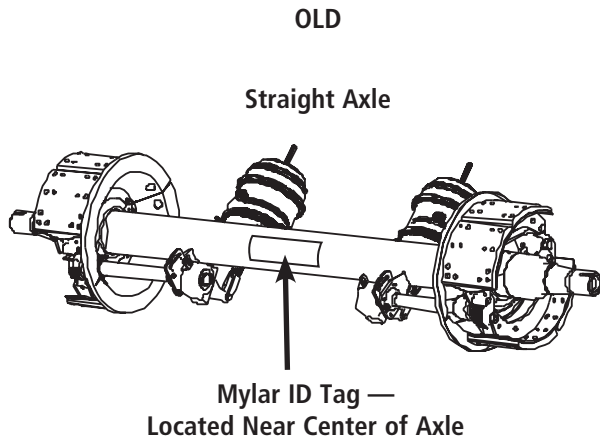


WHERE TO FIND ID TAG ON HENDRICKSON NON-INTEGRATED TRAILER AXLES

The model number, customer part number (if applicable), a description and a serial number are imprinted on an ID tag that is attached to the axle (as shown below).

Before November 2010, trailer axle product ID tags were made of mylar and located near the center of the axle beam. After November 2010, trailer axle products have a stainless steel ID tag located on the inside edge of the brake chamber bracket.

The part number is used to identify the axle specifications. This number should be referred to when contacting Hendrickson to determine the appropriate service parts. The serial number is used to identify a particular axle along with all of the component parts as specified by the customer at the time of order. The axle description serves as a generic description of the axle assembly and can be used to determine some axle configuration parameters.



New Stainless Steel ID Tag for Trailer Axles

MODEL	TRLAXLE 2947
CUS P/N	DETERMINED BY CUSTOMER
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS: U.S. PATENT NOS.: 6024417, 6725743, 6926122, 7273082, 7506940, 7537224, 7559621, 7585031, 7731300 MEXICAN PATENTE NOS.: 223713, 243519, 248384, 251415, 259900	
AUSTRALIAN PATENT NOS.: 739422, 2002320074, 2003243658, 2004220148, 2006287900, 2008302001 NEW ZEALAND PATENT NOS.: 510161, 527792, 535511, 536263 AND OTHER ISSUED FOREIGN PATENTS AND PENDING U.S. AND FOREIGN PATENTS.	
DESC	HN-S505-0774-WF1607-BHM-----
S/N	SK131010XXXX
H HENDRICKSON	HTA™ AXLE

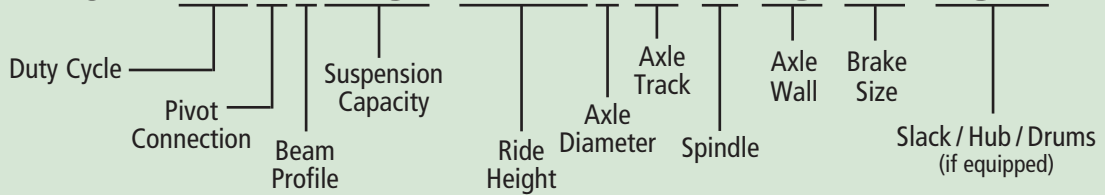


GENERAL GUIDELINES FOR INTERPRETING SUSPENSION DESCRIPTIONS

INTRAAAX®

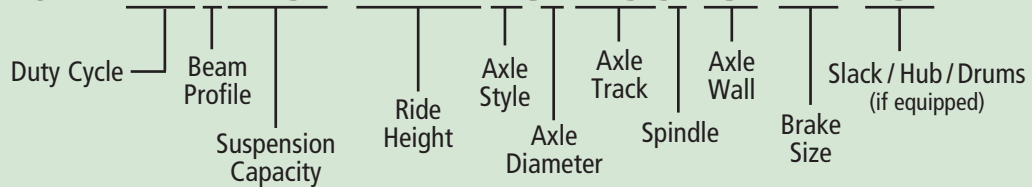
Model: INTRAAX.85901

DESCRIPTION: AANT23K 14RHL77N ST X7 SHD



Model: INTRAAX.82164

DESCRIPTION: AAT23K 14RHC L755PST X7 SH



INTRAAAX® DESCRIPTION MATRIX

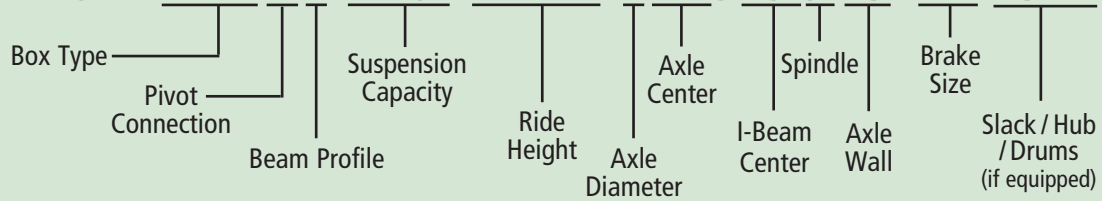
Duty Cycle AA - Standard AAED - Extreme Duty	Axle Diameter S - 5.00" L - LDA™ (5.75") F - Five Inch AAT / AAL Axle	Axle Wall ST - Standard HD - Heavy Duty
Pivot Connection N - Narrow (Blank) - Wide	Axle Track 70 - 70.5" 71 - 71.5" 73 - 73.0" 75 - 75.0" 75.5 - 75.5" 76 - 76.5" 77 - 77.5" 79.5 - 79.5" 83 - 83.5" 85 - 85.0"	Brake Size X5 - 15" × 8 ⁵ / ₈ " 7 - 16.5" × 7" X7 - 16.5" × 7" HXS® X8 - 16.5" × 8 ⁵ / ₈ " HXS 415MM - 415 mm MAXX22T™ ADB 430MM - 430 mm ADB
Beam Profile T - Top-Mount L - Low-Ride LS - Low-Ride Short	Spindle N - HN P - HP CDHP - CD HP US - HUS	Slack Adjuster S - Any Brand Selection (Blank) - None
Suspension Capacity 20K - 20,000 lbs. 23K - 23,000 lbs. 25K - 25,000 lbs. 30K - 30,000 lbs.		Hub Brand H - Any Brand Selection (Blank) - None
Axle Style C - Cambered RC - Raised Center (Blank) - Standard		Drum Brand D - Any Brand Selection (Blank) - None



INTRAAX® SP

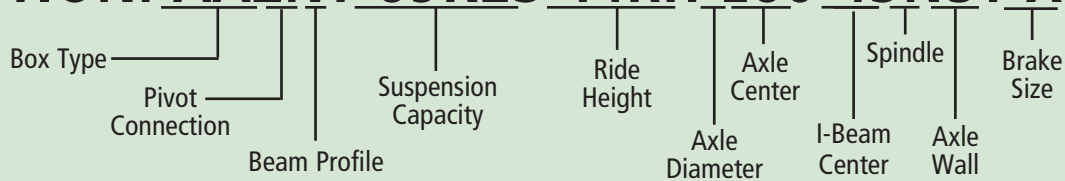
Model: INTRAAXSP.3187

DESCRIPTION: AAZNT 46K 14RH L49 38PST X7SHD



Model: INTRAAXSP.2503

DESCRIPTION: AAZNT 69K23 14RH L60 43NST X7



INTRAAX® SP DESCRIPTION MATRIX

Box Type

AAZ - Platform Slider Box

Pivot Connection

N - Narrow

(Blank) - Wide

Beam Profile

T - Top-Mount

L - Low-Ride

Suspension Capacity

23K - 23,000 lbs.

46K - 46,000 lbs.

69K23 - 69,000/23,000 lbs.

Axle Centers

(Blank) - N/A (Single Axle)

49 - 49.0"

60 - 60.0"

72 - 72.0"

Axle Diameter

(Blank) - 5.00"

L - LDA™ (5.75")

I-Beam Centers

37 - 37.0"

38 - 38.0"

43 - 43.0"

44 - 44.0"

Spindle

N - HN

P - HP

WP - CD HP

US - HUS

Axle Wall

ST - Standard

HD - Heavy Duty

Brake Size

7 - 16.5" x 7"

X7 - 16.5" x 7" HXS®

X8 - 16.5" x 8⁵/₈" HXS

415MM - 415 mm

Hendrickson MAXX22T™ ADB

430MM - 430 mm ADB

Slack Adjuster

S - Any Brand Selection

(Blank) - None

Hub Brand

H - Any Brand Selection

(Blank) - None

Drum Brand

D - Any Brand Selection

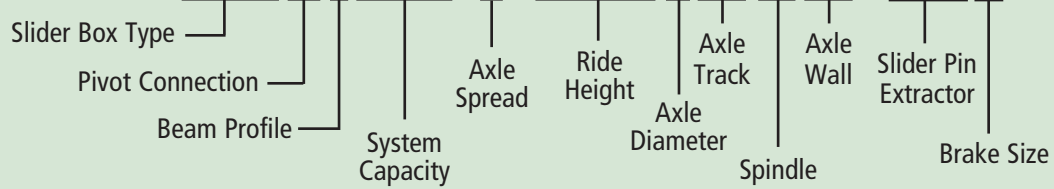
(Blank) - None



VANTRAAX®

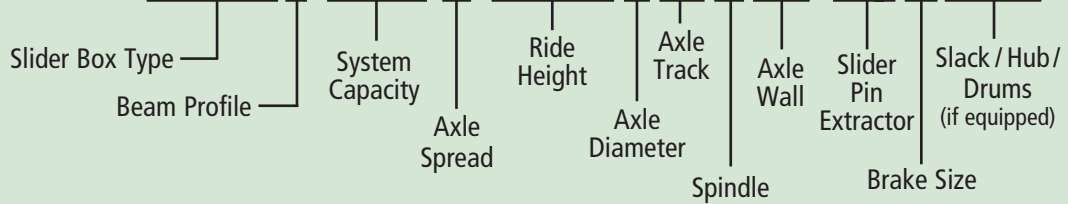
Model: VANTRAAX.12059

DESCRIPTION: HKANT40K 9 16RHL77NST MA7



Model: VANTRAAX.27506

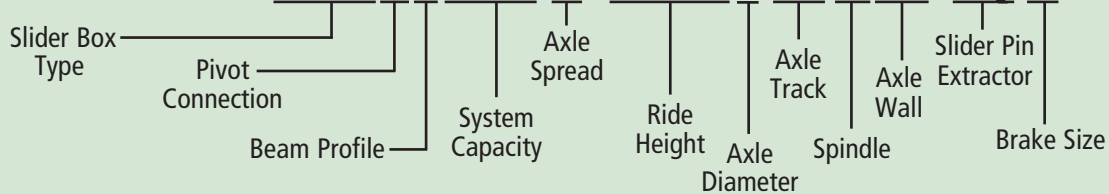
DESCRIPTION: HKARL 46K 9 12RHL77PST QD7SHD



ULTRAA-K®

Model: ULTRAAK.1010

DESCRIPTION: UTKNT40K 9 16RHL 77PST QD7





VANTRAA[®] / ULTRAA-K[®] DESCRIPTION MATRIX

Box Type

HKA - 8" K-2[®]
HKAR - 14" Ramp-Ready
HRR - 8" K-2 for Railroad
UTK - ULTRAA-K Box

Pivot Connection

N - Narrow
(Blank) - Wide

Beam Profile

T - Top-Mount
L - Low-Ride

System Capacity

23K - 23,000 lbs.
40K - 40,000 lbs.
46K - 46,000 lbs.
50K - 50,000 lbs.
69K23 - 69,000/23,000 lbs.
69K25 - 69,000/25,000 lbs.

Box Duty

ST or (Blank) - Standard
HD or H - Heavy Duty

Axle Centers

(Blank) - N/A (Single Axle)
9 - 49.0"
0 - 60.0"
2 - 72.0"
1 - 121.0"

Axle Diameter

S - 5.00"
L - LDA™ (5.75")

Slider Box Width

71 - 42.0"
77 - 48.0"
83 - 54.0"

Spindle

N - HN
P - HP
WP - CD HP
US - HUS

Axle Wall

ST - Standard
HD - Heavy Duty

Slider Pin Extractor

MA - Manual
QD - QUIK-DRAW[®] or QUIK-DRAW No Valve
FX - None (Pins only for fixed applications)

Brake Size

7 - 16.5" x 7"
X7 - 16.5" x 7" HXS[®]
X8 - 16.5" x 8⁵/₈" HXS
415MM - 415 mm MAXX22T™ ADB
430MM - 430 mm ADB

Slack Adjuster

S - Any Brand Selection
(Blank) - None

Hub Brand

H - Any Brand Selection
(Blank) - None

Drum Brand

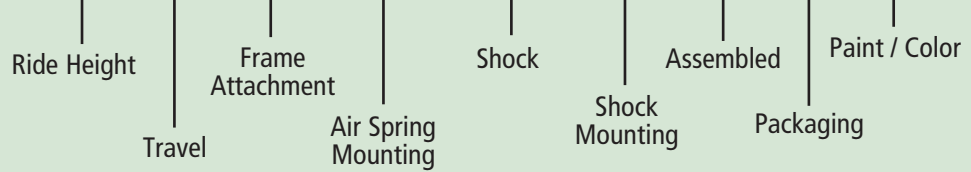
D - Any Brand Selection
(Blank) - None



HT® SERIES HT250US

Model: HT250US.1

DESCRIPTION: 6.5 ST WO AS1 SH1 SM SA PK SB



HT SERIES HT250US DESCRIPTION MATRIX

Travel

- ST - Standard
- LJ - Limited Jounce
- ER - Extended Rebound

Frame Attachment

- BO - Bolt-on (1/2-inch)
- BO5 - Bolt-on (5/8-inch)
- FC - Frame Clearance
- HDG - Hot Dip Galvanize Kit (HDG)
- SFK - Slider Frame Bracket Kit (SFK)
- T1 - 6 Degrees Rotated
- T2 - 12.9 Degrees Rotated
- WO - Weld-on

Air Spring Mounting

- ASNS - Air Spring Plate, No Spacer, Std.
- AS1 - Standard Air Spring
- AS2 - Rotated Air Spring
- AS3 - High PSI Air Spring Standard
- AS4 - High PSI Air Spring Rotated
- AS5 - High PSI Air Spring Short Bellows
- NMR - No Mounting Plate, Rotated
- NMS - No Mounting Plate, Standard

Shock

- SH1 - Standard
- SH2 - Extended Service / High Damping

Shock Mounting

- RM - Remote
- SM - Standard Mount

Assembled

- SA - Assembled
- U1 - Unassembled

Packaging

- PK - Standard NAFTA
- X1 - Standard - Export

Beam Coating

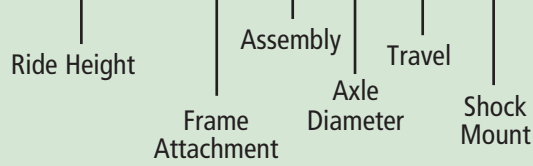
- SB - Standard Black Primer
- UP - Unpainted
- FBP - Full Black Primer



HT® SERIES HT300US/HT300YB

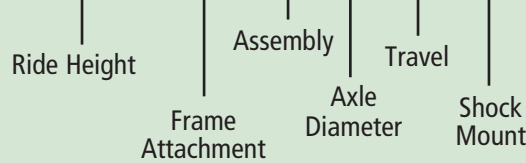
Model: HT300US.1

DESCRIPTION: 5.5RH BO A 5 ST S



Model: HT300YB.6

DESCRIPTION: 9RH WO N 5 ST S



HT SERIES HT300US/HT300YB DESCRIPTION MATRIX

Frame Attachment

BO - Bolt-on

WO - Weld-on

Assembly

A - Assembled

N - Nonassembled

U1 - Unassembled

S1 - Separate Frame Kit

Axle Diameter

5 - 5.00"

Travel

ST - Standard

LJ - Limited Jounce

ER - Extended Rebound

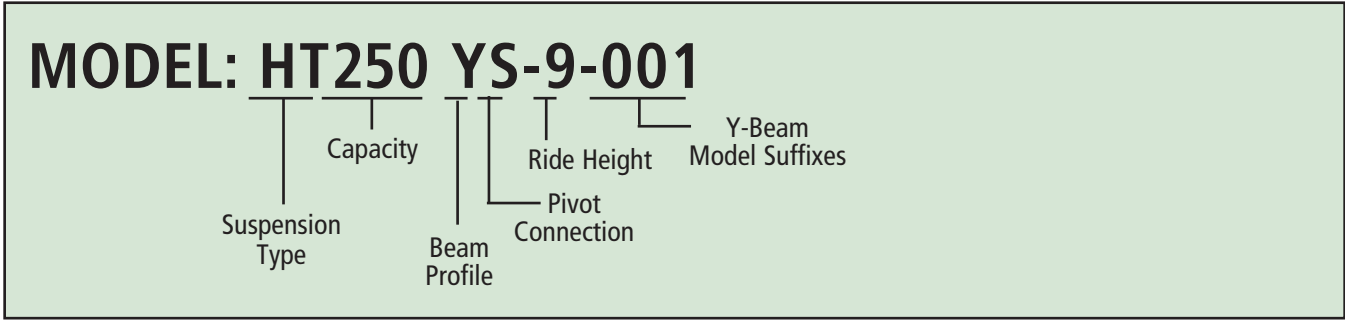
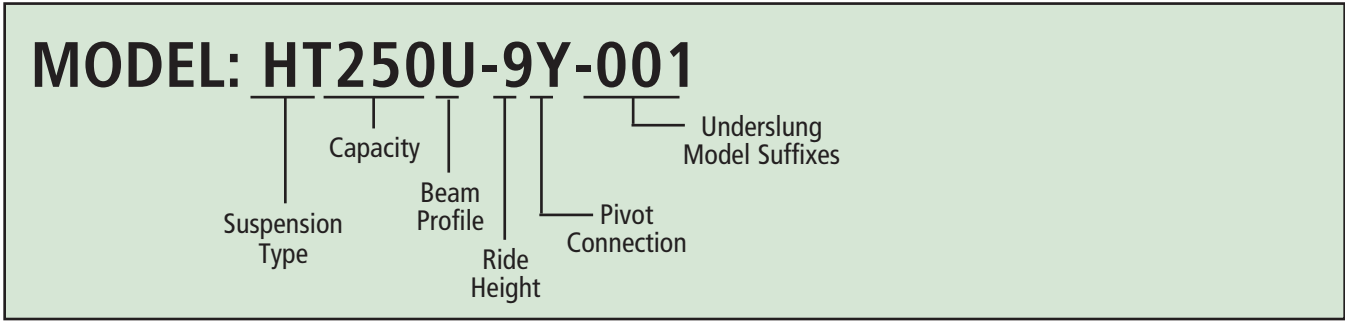
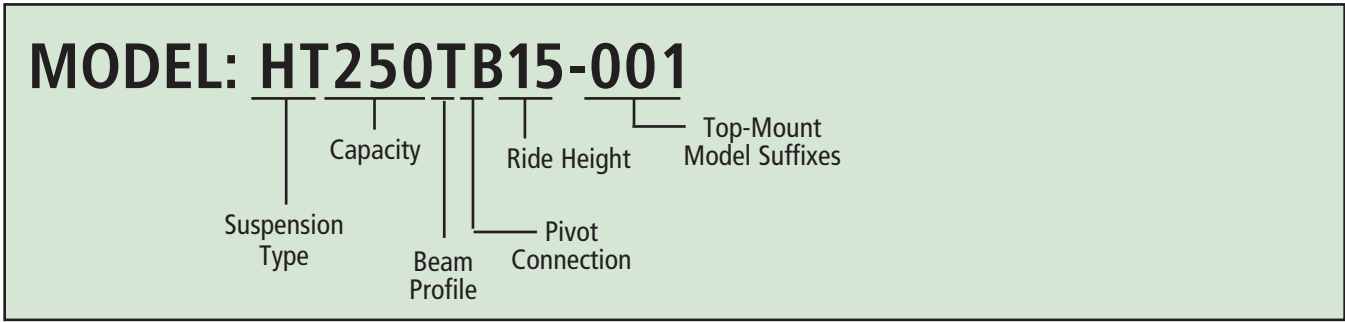
Shock Mount

R - Remote

S - Standard Mount



HT® SERIES





HT® SERIES DESCRIPTION MATRIX

Suspension Type

HT - HT® SERIES Suspension

Capacity

190 - 19,000 lbs.

230 - 23,000 lbs.

250 - 25,000 lbs.

300 - 30,000 lbs.

Beam Profile

T - Top-Mount

U - Underslung

Y - Y-Beam

Frame Bracket Pivot & Expanded

Beam Description

A - QUIK-ALIGN® Winged

B - QUIK-ALIGN Wingless;

TB - Top-Mount QUIK-ALIGN Wingless

YB - QUIK-ALIGN; Old Y-Beam Design

C - QUIK-ALIGN Wingless Bolt-on

S - QUIK-ALIGN; Standard / New Y-Beam Design

(Blank) - Weld Align

Y - Welded Alignment Y-Beam

Underslung Model Suffixes

-001 - Standard Primary Suspension (HT190U and HT250U only) or Weld-on (HT300U only)

-002 - Limited Travel

-003 - Sliders — Separate SFK

-004 - Sliders — Pre-assembled

-005 - Drop Deck Applications

-006 - Enhanced Operation (Lower PSI)

-007 - Bolt-on Hangers

-008 - Primary (001) unitized with Threaded Bolt

-020 or Greater — Custom Designs

Suspension Type Top-Model Suffixes

-001 - Weld-on (Steel) or Sliders — Separate SFK (HT190T only)

-002 - Bolt-on (Aluminum) or Sliders — Pre-assembled (HT190T only)

-003 - Lifiable Weld-on (HT230 ride heights 15" & 17" and HT300 only) or Sliders — Separate SFK (HT230 ride heights 14" & 16" and HT250T only)

-004 - Lifiable Bolt-on (HT230 ride heights 15" & 17" and HT300 only) or Sliders — Pre-assembled (HT230 ride heights 14" & 16")

-005 - Standard Primary Suspension (HT190 only) or Primary with Threaded Bolt (HT230 ride heights 14", 15" & 16" and HT300 only) or Lifiable with Threaded Bolt (HT230 ride height 17" only)

-006 - Primary with Threaded Bolt (HT250T and HT230 ride height 17" only) or Lifiable with Threaded Bolt (HT230 ride heights 14", 15" & 16" and HT300 only)

-007 - Remote Shock Primary Weld-on

-008 - Bolt-on Application — No Mounting Plate

-009 - Lifiable Weld-on (HT230 ride heights 14" & 16" only) or Sliders — Pre-assembled (HT230 ride heights 15" & 17" only)

-010 - Lifiable Bolt-on (HT230 ride heights 14" & 16" only) or Sliders — Separate SFK (HT230 ride heights 15" & 17" only)

-011 - Remote Shock Primary Bolt-on

-012 - Remote Shock Lifiable Weld-on

-013 - Sliders — Separate SFK — 4.0" Jounce

-014, -015, -016, -017 & -020 & Greater — Custom Designs

TC - Model Suffixes

-060 - Standard Travel — 1/2" Mounting Bolts

-061 - Standard Travel — 5/8" Mounting Bolts

-062 - Lifiable — 1/2" Mounting Bolts

-063 - Lifiable — 5/8" Mounting Bolts

-064 - Standard Travel — Remote Shock — 1/2" Mounting Bolts

-065 - Standard Travel — Remote Shock — 5/8" Mounting Bolts

-066 - Lifiable — Remote Shock — 1/2" Mounting Bolts

-067 - Lifiable — Remote Shock — 5/8" Mounting Bolts

YS-Beam Model Suffixes

-001 - High Pressure Air Spring (C-20124) with 16.5" brakes or larger

-006 - Standard Air Spring (C-20127) with 16.5" brakes or larger

-010 - Standard Rotated Air Spring with 16.5" brakes or larger

-101 - High Pressure Air Spring (C-20124) with 12.25" brakes

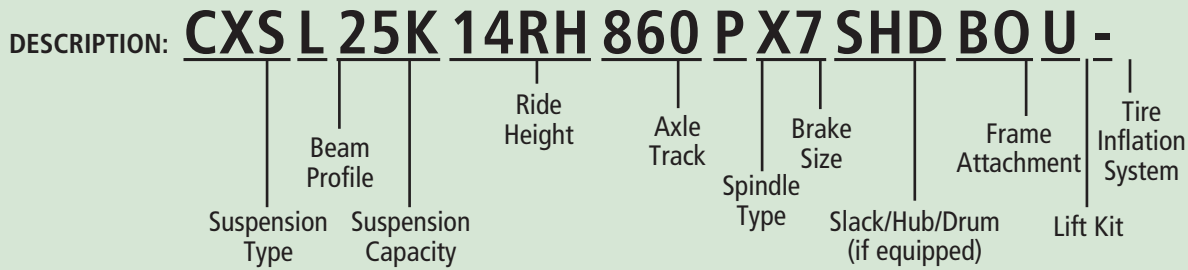
-106 - Standard Air Spring (C-20127) with 12.25" brakes

-110 - Standard Rotated Air Spring with 12.25" brakes



CONNEX® ST

Model Number: CONNEXST.4



CONNEX ST DESCRIPTION MATRIX

Suspension Type

CXS - Self-Steer Suspension System

Beam Profile

L - Liftable

Suspension Capacity

25K - 25,000 lbs.

Ride Height

13 RH = 13.0"

14 RH = 14.0"

15 RH = 15.0"

16 RH = 16.0"

17 RH = 17.0"

18 RH = 18.0"

19 RH = 19.0"

Axle Track

775 - 77.5"

800 - 80.0"

835 - 83.5"

840 - 84.0"

850 - 85.0"

860 - 86.0"

Spindle

P - HP

Brake Size

X7 - 16.5" x 7.0" HXS®

Slack Adjuster

S - Any Brand Selection

Hub Brand

H - Any Brand Selection

Drum Brand

D - Any Brand Selection

- (Dash) - No Drums

Frame Attachment

WO - Weld-on

BO - Bolt-on

Lift Kit

U - UBL™ UNDER BEAM LIFT™

- (Dash) - None

Tire Inflation System

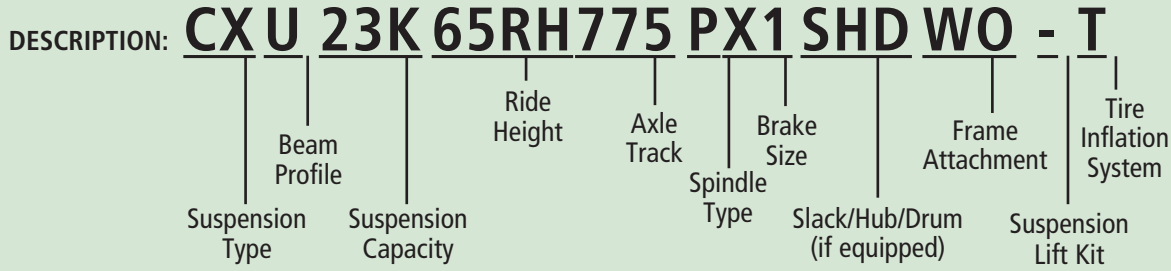
T - TIREMAAX® PRO or CP

- (Dash) - None



CONNEX®

Model Number: CONNEX.21



CONNEX® DESCRIPTION MATRIX

Suspension Type
 CX - Unitized Suspension System

Beam Profile
 U - Underslung
 Y - Y-Beam
 L - Liftable
 T - Top-Mount

Suspension Capacity
 23K - 23,000 lbs.
 25K - 25,000 lbs.

Ride Height
 55 RH = 5.5"
 65 RH = 6.5"
 75 RH = 7.5"
 90 RH = 9.0"
 15 RH = 15.0"
 17 RH = 17.0"

Axle Track
 715 - 71.5"
 775 - 77.5"

Spindle
 N - HN
 P - HP

Brake Size
 X1 - 12.25" x 7.5" HXS®
 X7 - 16.5" x 7.0" HXS
 X8 - 16.5" x 8.63" HXS

Slack Adjuster
 S - Any Brand Selection

Hub Brand
 H - Any Brand Selection

Drum Brand
 D - Any Brand Selection
 - (Dash) - No Drums

Frame Attachment
 WO - Weld-on
 BO - Bolt-on

Suspension Lift Kit
 U - UBL™ UNDER BEAM LIFT™
 - (Dash) - None

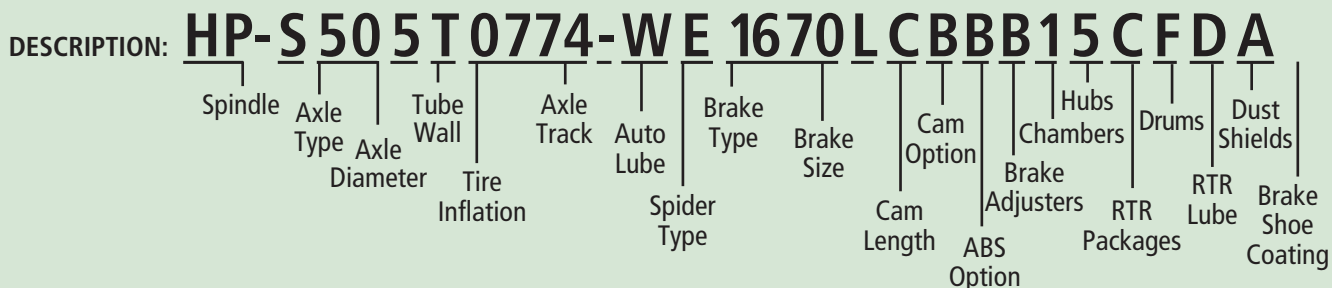
Tire Inflation System
 T - TIREMAAX® PRO or CP
 - (Dash) - None



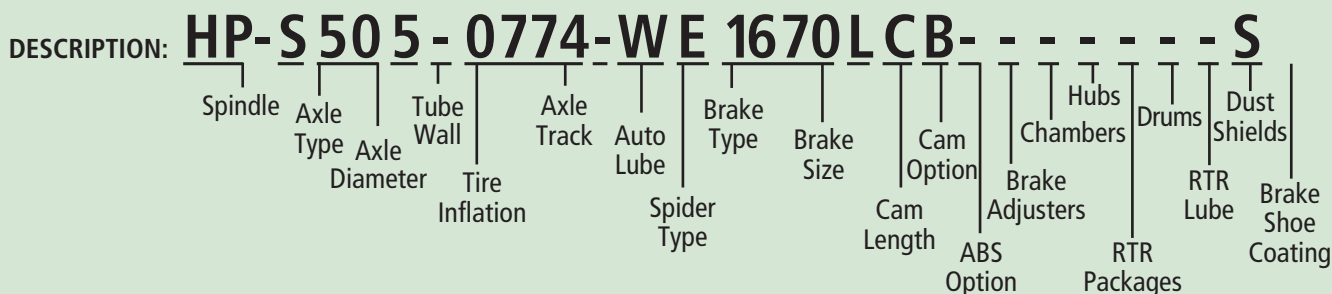
GENERAL GUIDELINES FOR INTERPRETING NON-INTEGRATED AXLE DESCRIPTIONS

TRLAXLE®

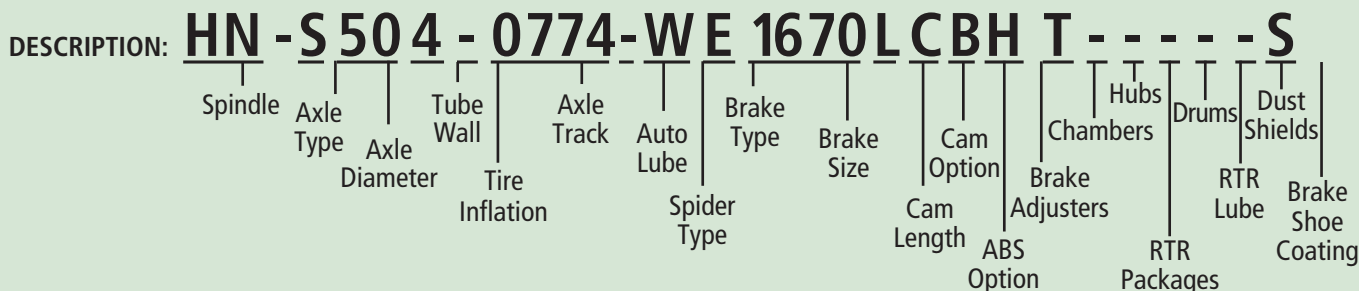
Model Number: TRLAXLE.11885



Model Number: TRLAXLE.14669



Model Number: TRLAXLE.14670





TRLAXLE® DESCRIPTION MATRIX

Spindle

HN® - Tapered Spindle
 HP - Parallel Spindle (Pro-Par Type)
 HPX - Parallel Spindle Cross-drill

Axle Type

S - Straight
 C - Cambered

Axle Diameter

50 - 5" Round
 56 - 5-3/4" Round

Tube Wall

4 - 1/2" Nominal
 5 - 5/8" Nominal
 H - 5/8" (Heavy Duty)
 6 - 3/4"

Tire Inflation

T - TIREMAAX®
 P - MTIS / PSI Prepped
 V - Axle Vent Only
 3 - 3-Hole Prep Only
 - (Dash) - None

Axle Track

- Track Length (inches) 1st 3 Digits
 # - Track Length (1/8") 4th Digit

Auto Lube

L - Lube System - Fittings Installed
 - (Dash) - None

Spider Type

B - Bolt-on Spider
 W - Weld-on Spider
 T - Torque Plate for Air Disc Brake
 N - None

Brake Type

B - B-Lock
 F - Std. Service - Dual Anchor Pin (DAP) - BSFB brand
 P - Pin Style - BSFB brand
 X - HXS® / XLII - Dual Anchor Pin (DAP) - BSFB brand
 D or (Blank) - Air Disc Brake
 - (Dash) - No Brake Shoes
 H - Hendrickson Std. Service - Dual Anchor Pin (DAP)
 N - Hendrickson Pin Style
 E - Hendrickson HXS (DAP)
 C - Cams Only, No Brake Shoes

Brake Size

1274 - 12 1/4" x 7 1/2" brakes
 1585 - 15" x 8 5/8" brakes
 1670 - 16 1/2" x 7" brakes
 1685 - 16 1/2" x 8 5/8" brakes
 415 - 415mm MAXX22T™ ADB
 430 - 430mm ADB
 ---- (4 Dashes) - No Brakes

Cam Length

S - Standard. Short Length (17 5/8")
 M - Standard. Medium Length (20 5/8")
 L - Standard. Long Length (23 3/4")
 X - Special Length (Non-Standard.)
 - (Dash) - No S-Cams

Cam Option

C - Cam Tube
 B - Reduced Maintenance Bushing
 - (Dash) - No Special Cam Options

ABS Option

B - ABS Mounting Bracket Only
 S - ABS Sensor Installed
 - (Dash) - No ABS Sensors / Brackets

Brake Adjusters

B - Bendix
 G - Gunite
 H - Haldex
 - (Dash) - No Brake Adjusters

Chambers

W - Meritor Wabco
 B - Bendix
 H - Haldex
 K - Air Disc Brake Only
 T - TSE
 - (Dash) - No Chambers

Hubs

1 - 10-stud, hub-piloted - 1st Digit
 8 - 8-stud, hub-piloted - 1st Digit
 - (Dash) - No Hubs - 1st Digit

RTR® READY TO ROLL® Packages

V - HVS® 3-yr - 2nd Digit
 L - HLS® 5-yr - 2nd Digit
 3 - HXL3® 3-yr - 2nd Digit
 5 - HXL5® 5-yr - 2nd Digit
 7 - HXL7® 7-yr - 2nd Digit
 P - ConMet PreSet - 2nd Digit
 - (Dash) - No RTR or 1-yr Std Service - 2nd Digit

Drums

C - Cast Drum - 3rd Digit
 F - Fused Drum - 3rd Digit
 - (Dash) - No Drums - 3rd Digit
 315 - 3-spoke, 15" wheel - All 3 Digits
 520 - 5-spoke, 20" wheel - All 3 Digits
 622 - 6-spoke, 22" wheel - All 3 Digits
 624 - 6-spoke, 24" wheel - All 3 Digits

RTR Lube

G - Grease
 F - Syn. Semi-Fluid Grease
 O - 80W - 90 Oil
 S - SAE 50 or 75W - 90 Synthetic
 - (Dash) - None

Dust Shields

D - Dust Shield Included
 - (Dash) - None

Brake Shoe Coating

A - AAXTREME COAT®
 S or (Blank) - Standard (e-coat)
 N - None

Please note this is not an all-inclusive representation of the possible description values and that all model numbers may not represent the specific model descriptor.



SUSPENSION IDENTIFICATION GUIDE

INSTRUCTIONS

STEP 1. Determine if unit is a primary or slider suspension.

STEP 2. If it is a slider, use the following illustrations to determine the slider box type and the suspension model.

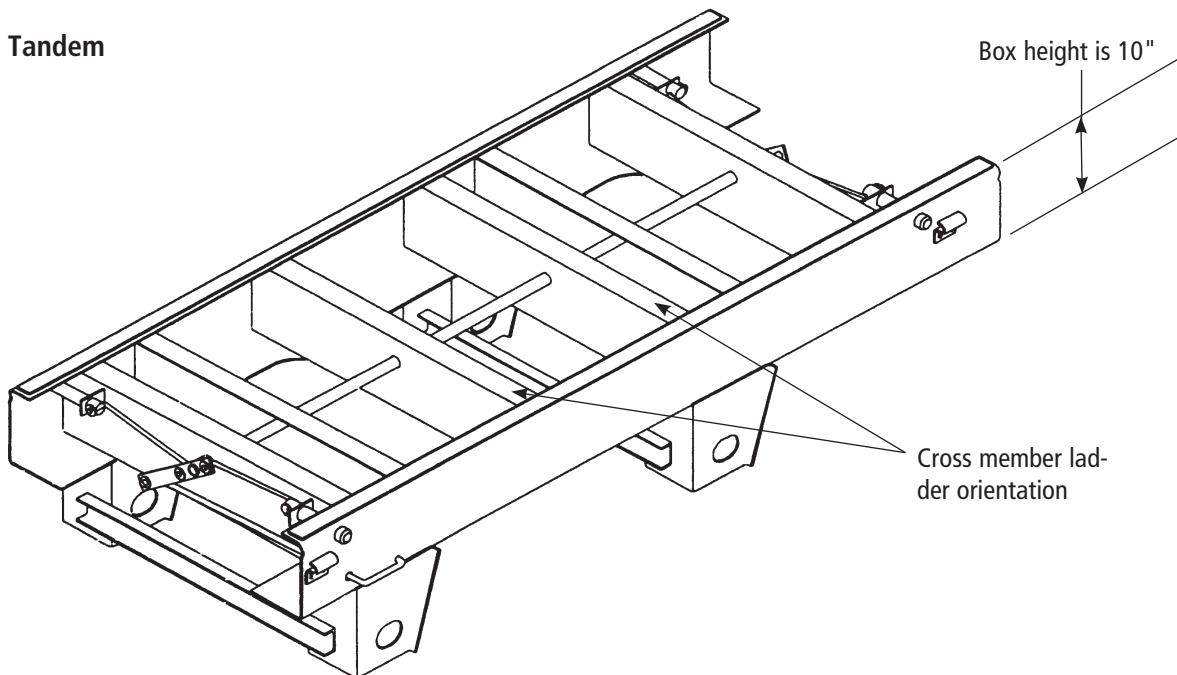
If it is a primary, use the illustrations beginning on page 20 to determine the suspension model.

SLIDER SUSPENSIONS — VAN / REEFER APPLICATIONS

Hendrickson van/reefer slider boxes were manufactured in three designs. In order to determine the box type, check to see if the cross members are in a ladder orientation or if the orientation forms two K's or one K. If the orientation forms a ladder, refer to the illustration below. If the cross members form the "K" orientation, use the dimensions provided on pages 17 and 18 to determine which model that you have.

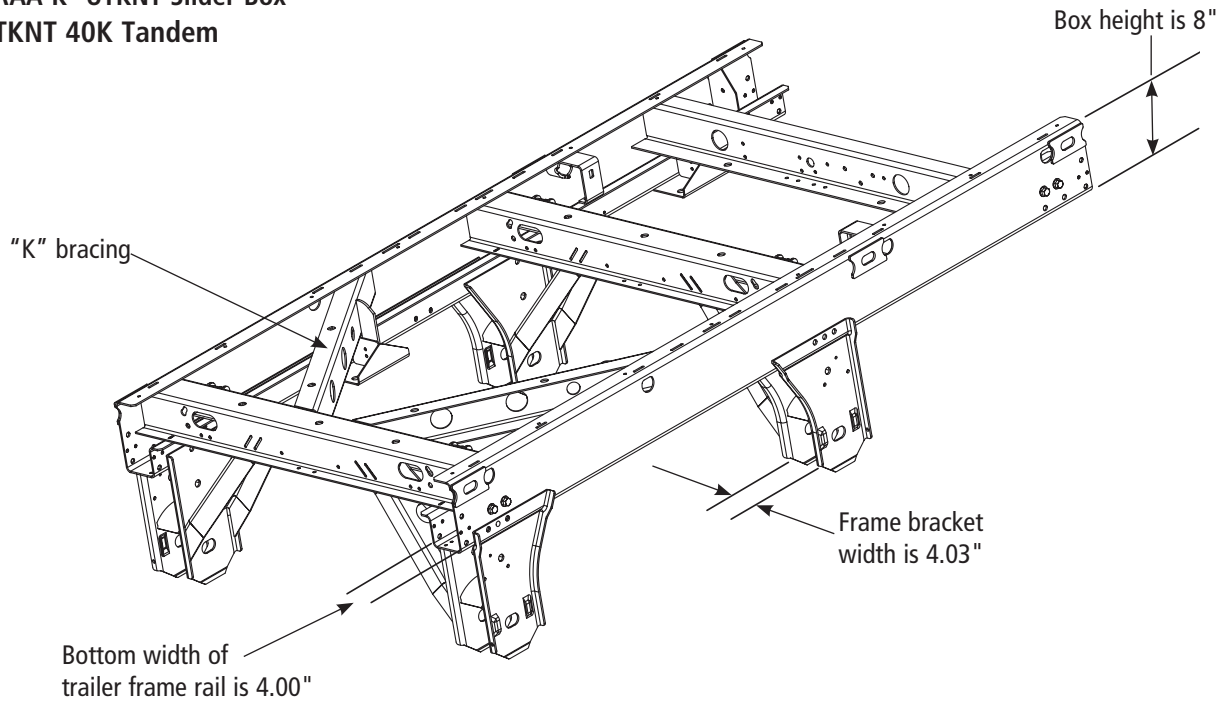
HS Slider Box

- HS190/230 Tandem



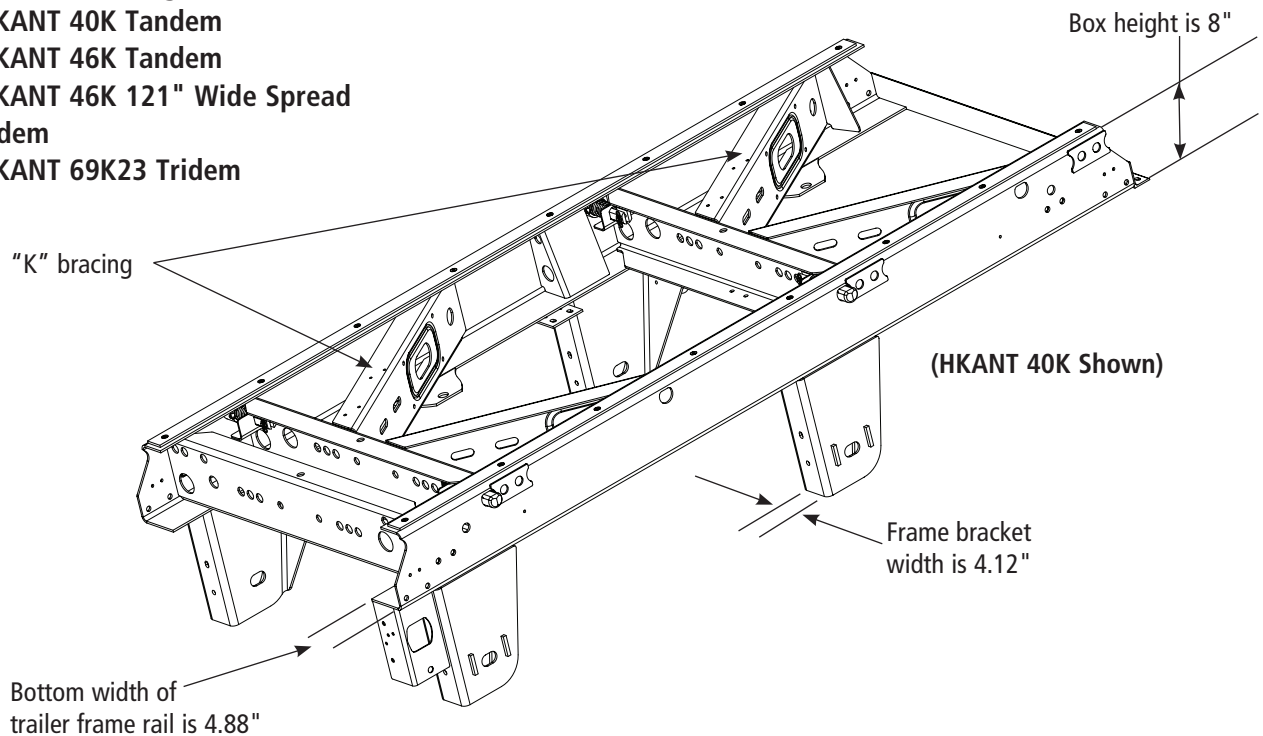


ULTRAA-K® UTKNT Slider Box
 • UTKNT 40K Tandem



VANTRAA-X® HKANT Slider Box

- HKANT 23K Single
- HKANT 40K Tandem
- HKANT 46K Tandem
- HKANT 46K 121" Wide Spread Tandem
- HKANT 69K23 Tridem





VANTRAAX® HKAT Slider Box

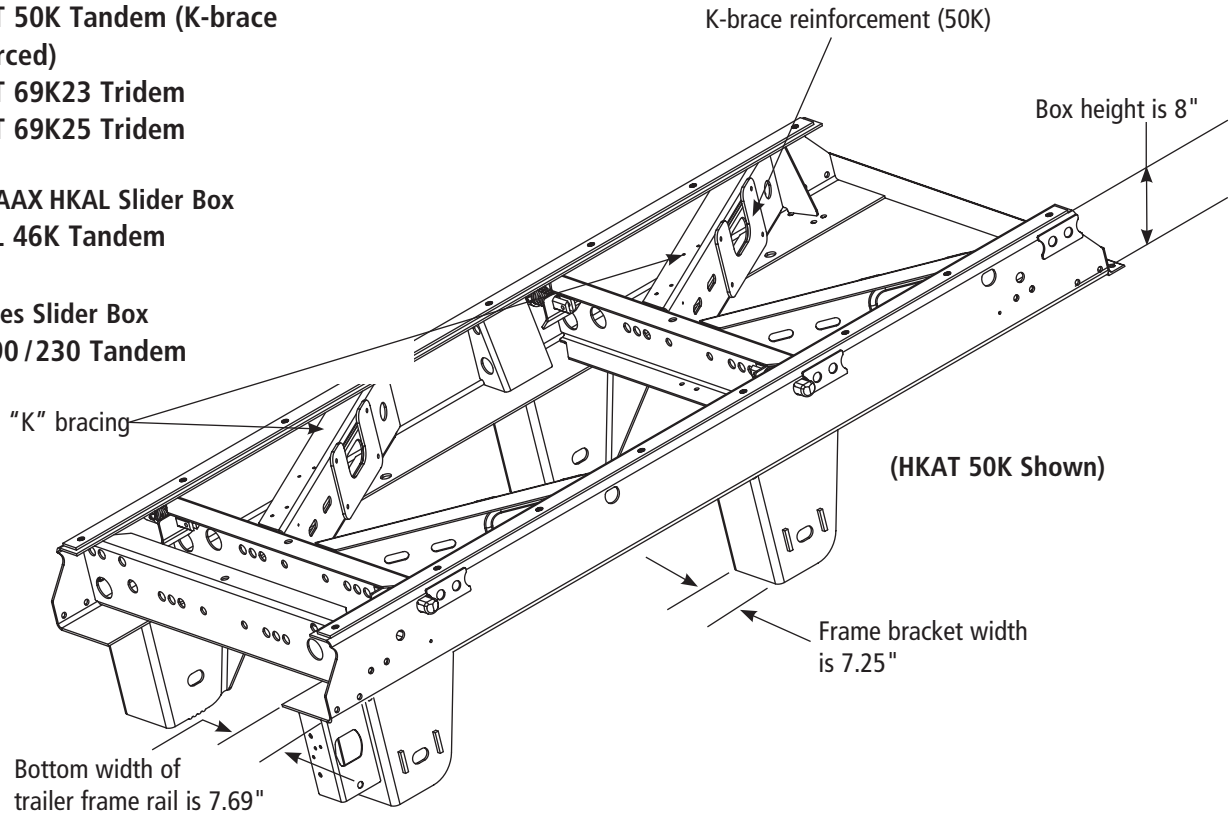
- HKAT 46K Tandem
- HKAT 50K Tandem (K-brace Reinforced)
- HKAT 69K23 Tridem
- HKAT 69K25 Tridem

VANTRAAX HKAL Slider Box

- HKAL 46K Tandem

HK Series Slider Box

- HK190 / 230 Tandem

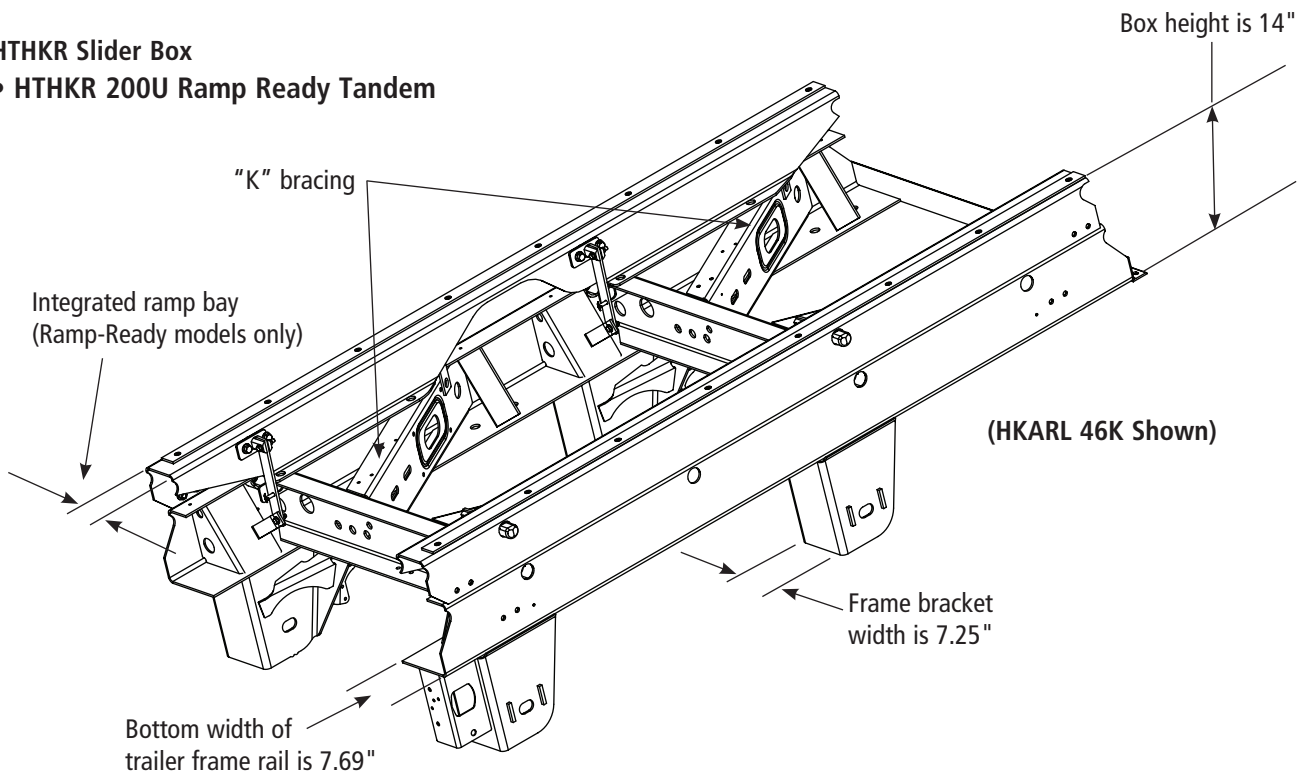


VANTRAAX HKARL Slider Box

- HKARL 46K Ramp Ready Tandem

HTHKR Slider Box

- HTHKR 200U Ramp Ready Tandem

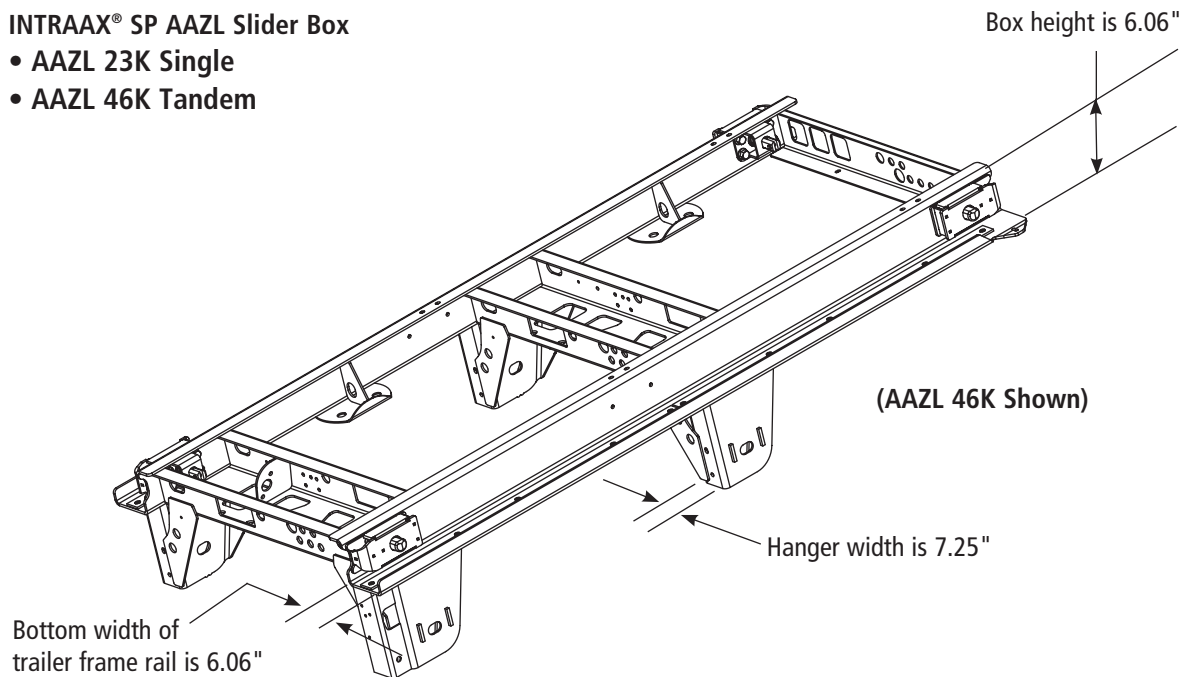


SLIDER SUSPENSIONS — PLATFORM APPLICATIONS

Hendrickson platform slider boxes feature a "Z-rail" style box that is designed to fit between the trailer I-beams with the locking pins engaging through the holes in the web of the beams. Refer to the illustrations below to determine if you have a top-mount or low-ride model.

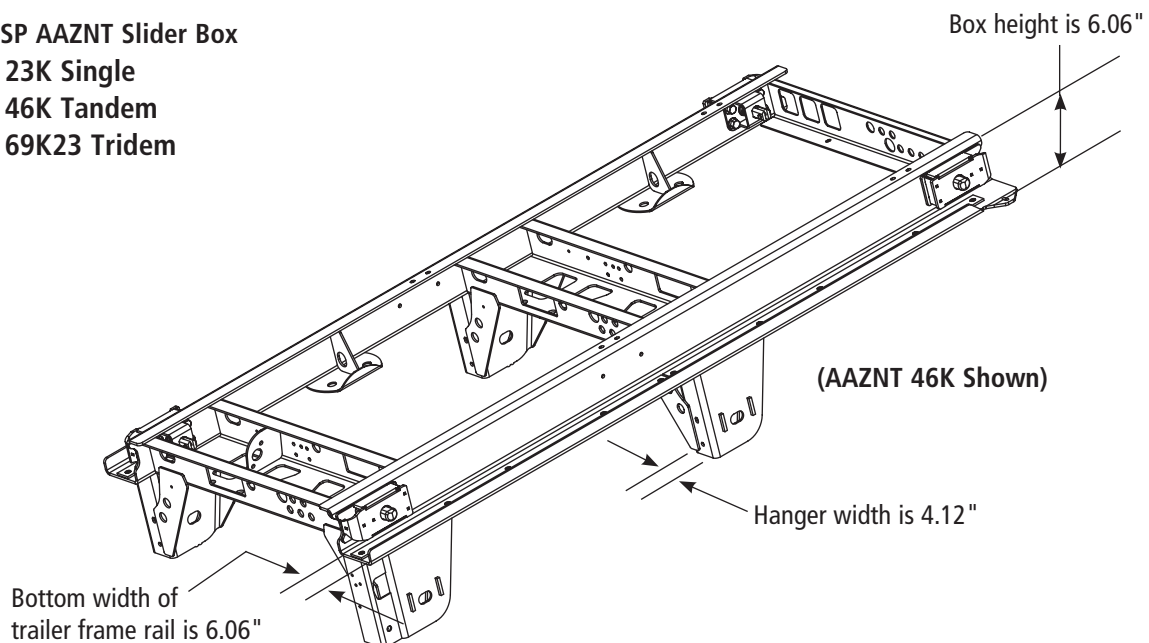
INTRAAX® SP AAZL Slider Box

- AAZL 23K Single
- AAZL 46K Tandem



INTRAAX SP AAZNT Slider Box

- AAZNT 23K Single
- AAZNT 46K Tandem
- AAZNT 69K23 Tridem





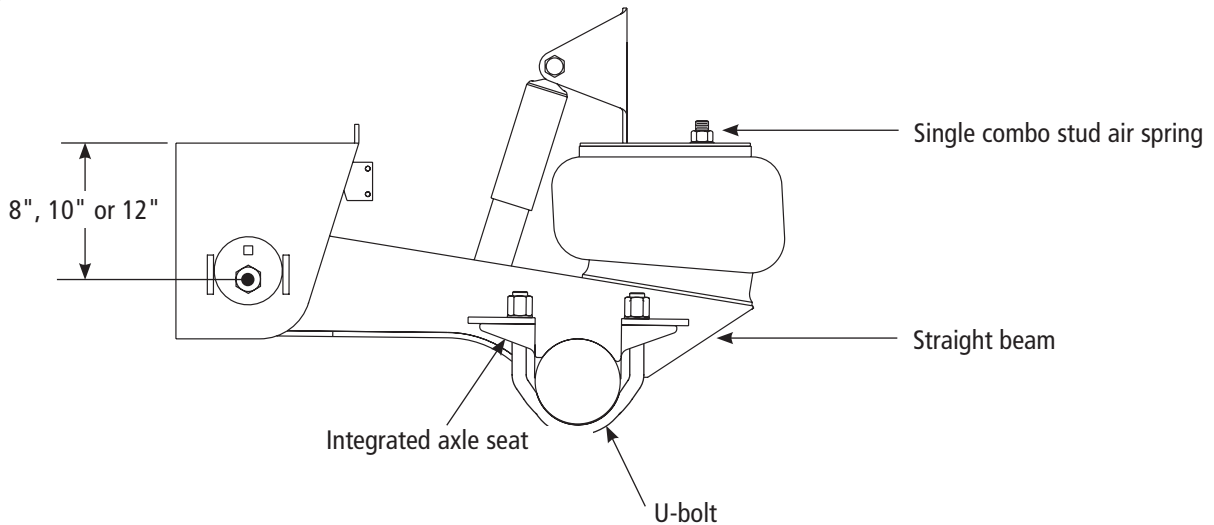
PRIMARY SUSPENSIONS — VOCATIONAL APPLICATIONS

TOP-MOUNT SUSPENSIONS

Top-mount suspensions are those with the beam assembly on top of the axle. The illustrations show the distinguishing characteristics of the various Hendrickson top-mount suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

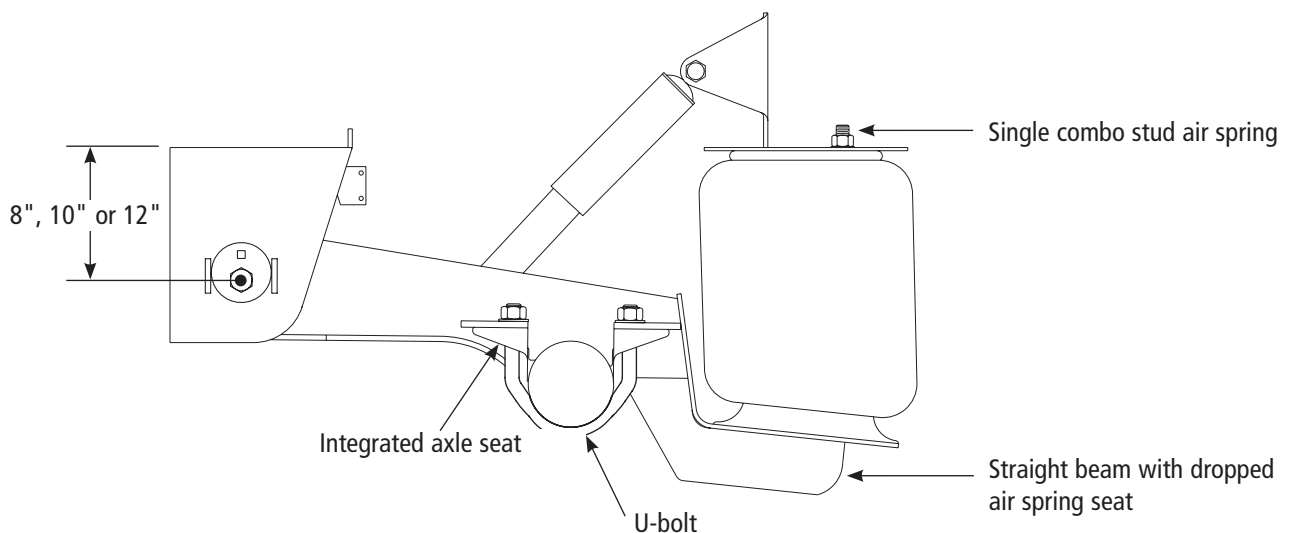
HT® SERIES Top-Mount

- HT190T
- HT230T



HT SERIES Top-Mount

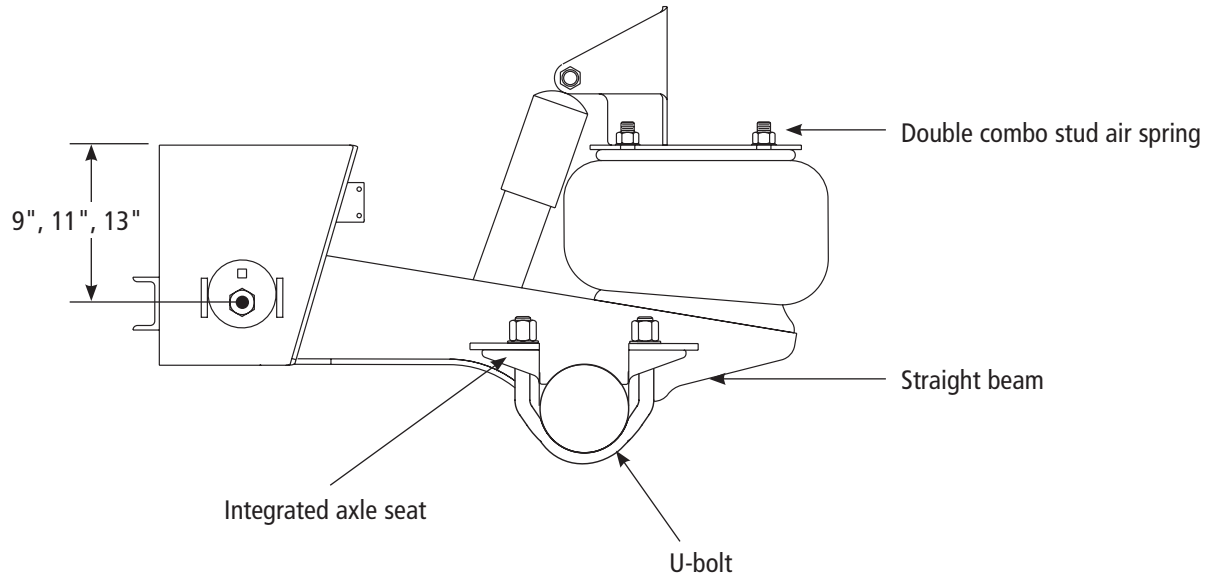
- HT250T



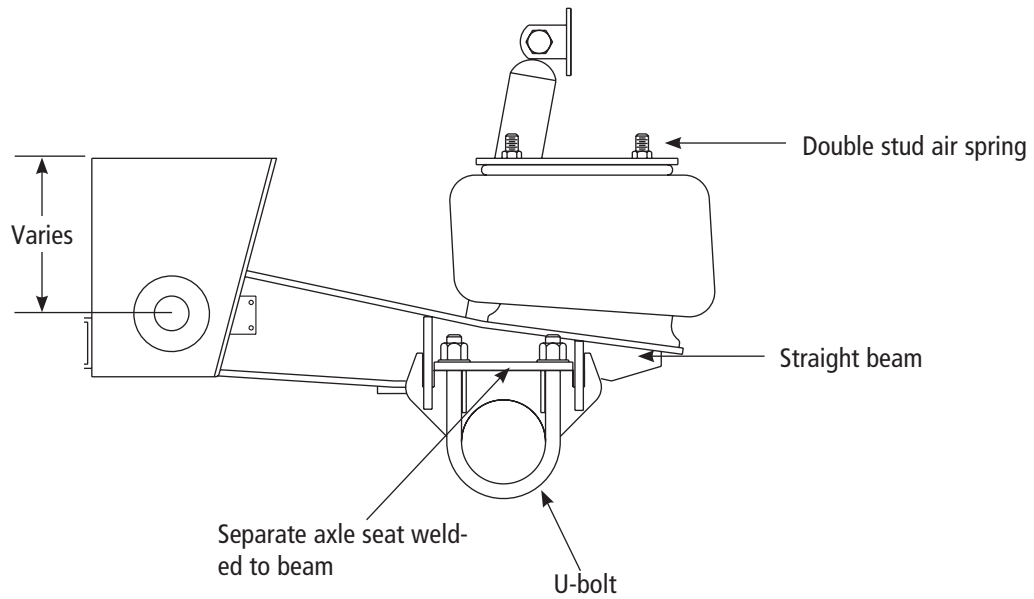


HT® SERIES Top-Mount

- HT300T



T Series Top-Mount (Legacy)



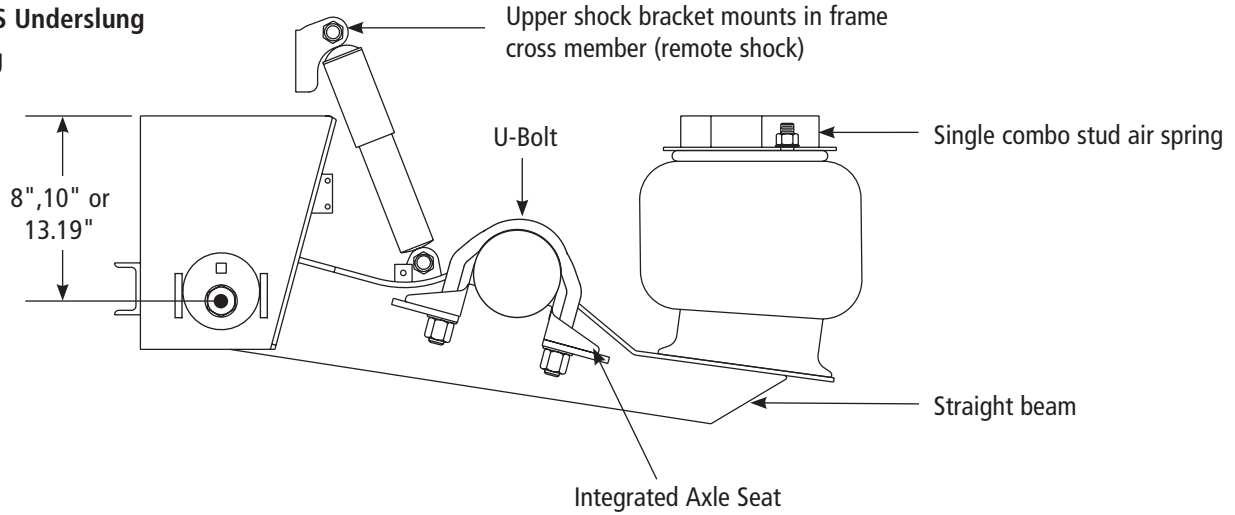


UNDERSLUNG SUSPENSIONS

Underslung suspensions are those with the beam assembly under the axle. The illustrations show the distinguishing characteristics of the various Hendrickson underslung suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

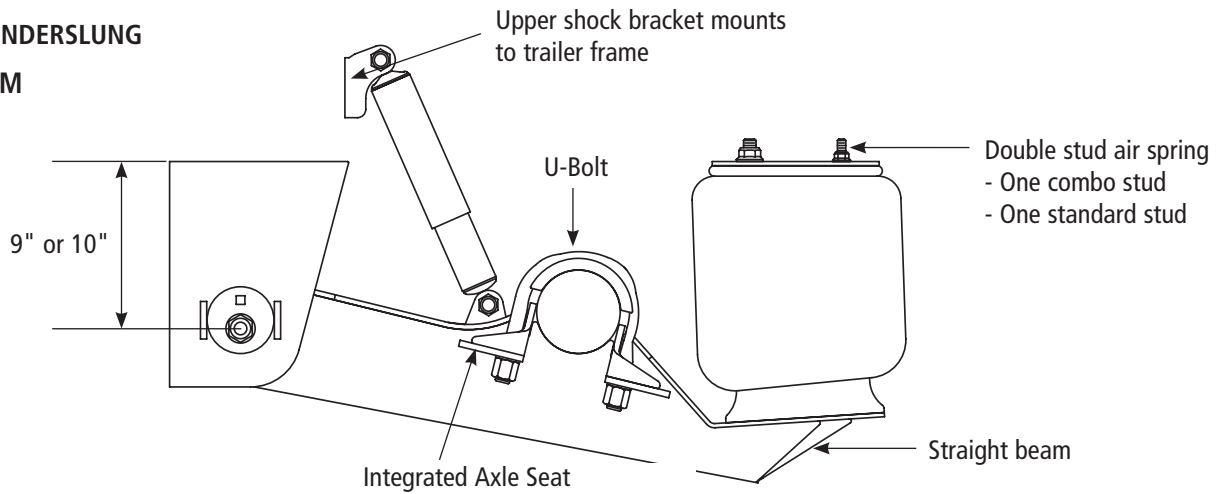
HT® SERIES Underslung

- HT190U



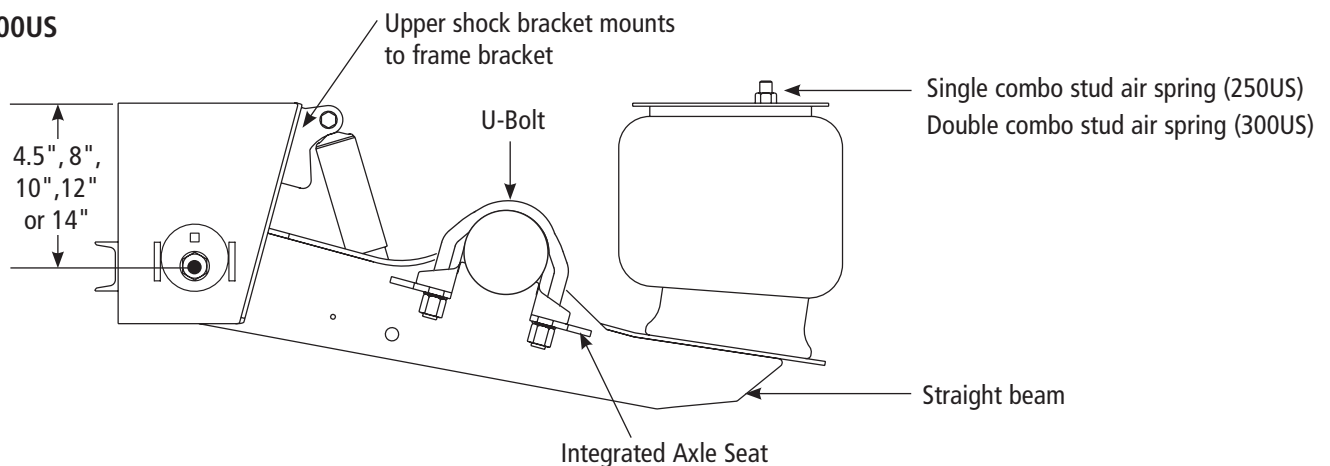
HT SERIES UNDERSLUNG

- HT200UAM



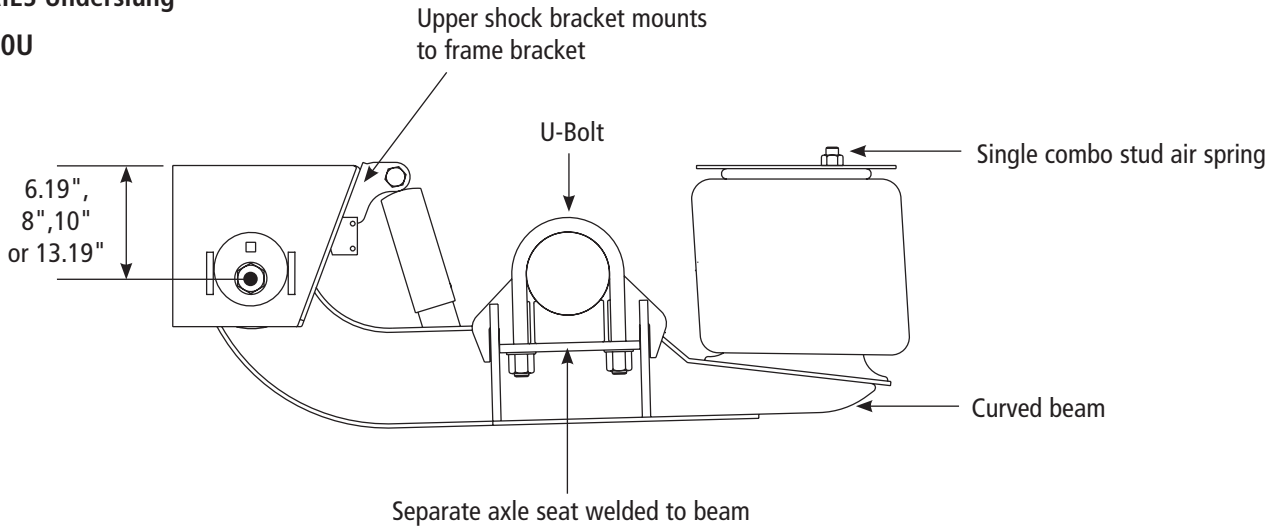
HT SERIES Underslung

- HT250US
- HT300US



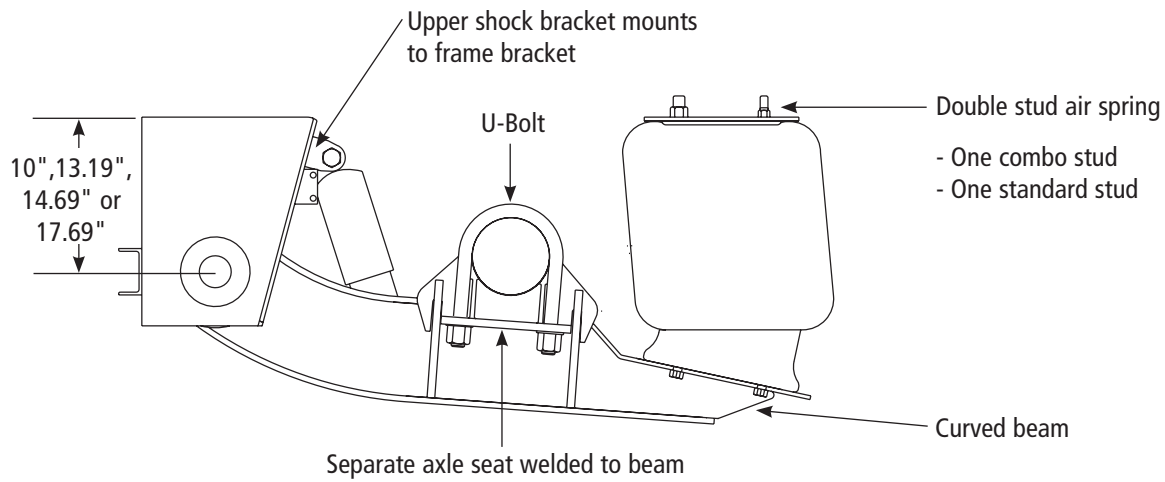
HT® SERIES Underslung

• HT250U

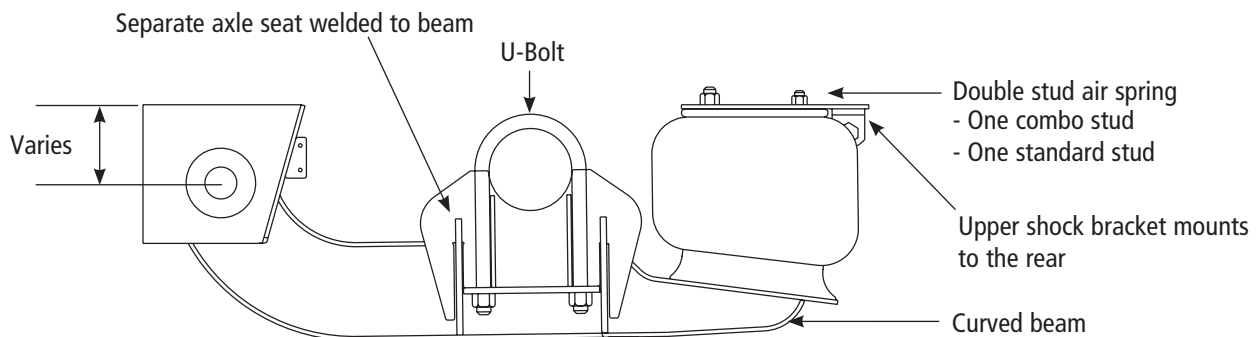


HT SERIES Underslung

• HT300U



T Series Underslung (Legacy)



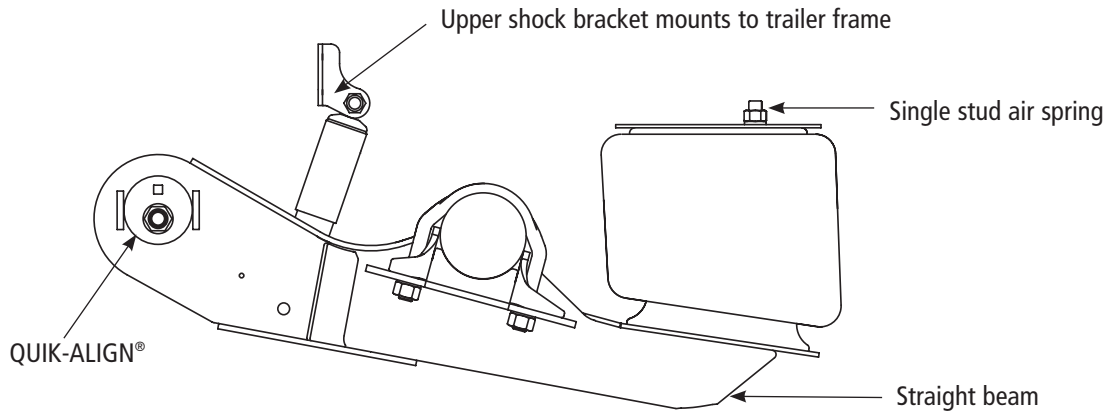


Y-BEAM SUSPENSIONS

Y-Beam suspensions are those with the beam assembly under the axle and the suspension pivot bushing tubes integrated into the trailer frame. The illustrations show the distinguishing characteristics of the various Hendrickson Y-beam suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

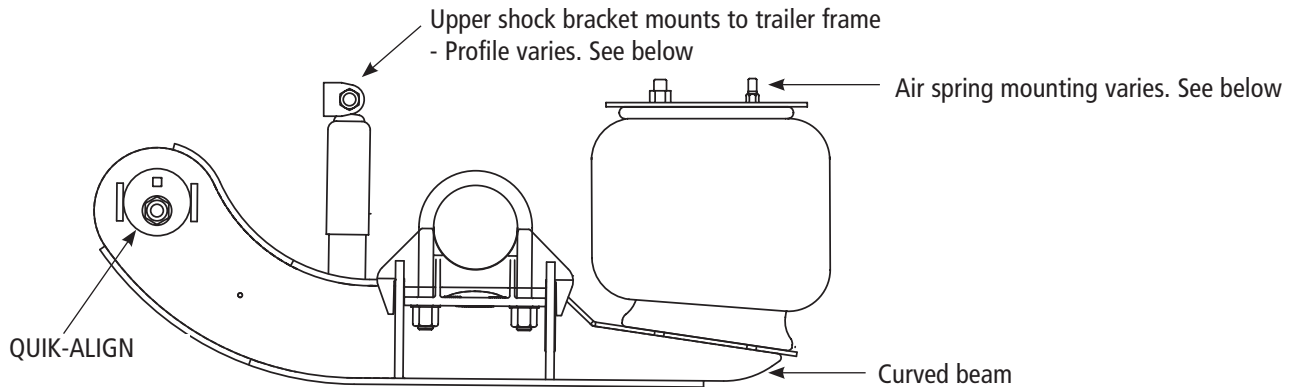
HT® SERIES Y-BEAM

- HT250YS



HT SERIES Y-BEAM

- HT250YB
- HT300YB



HT250YB

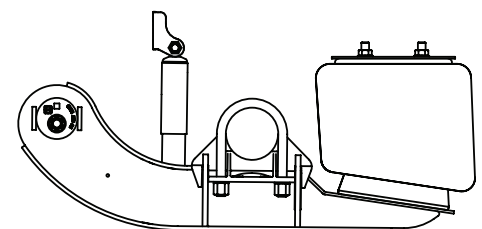
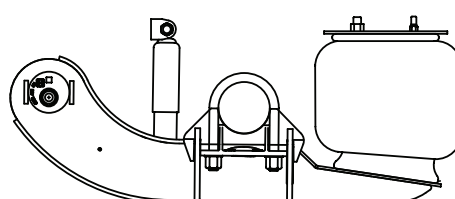
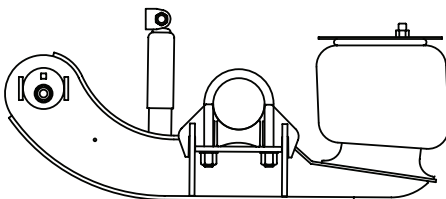
- Paired with HT250UB
- Single combo stud air spring

HT300YB

- Paired with HT300UB
- Double air spring stud
 - One combo stud
 - One standard stud

HT300YB

- Paired with HT300US
- Dual combo stud air spring

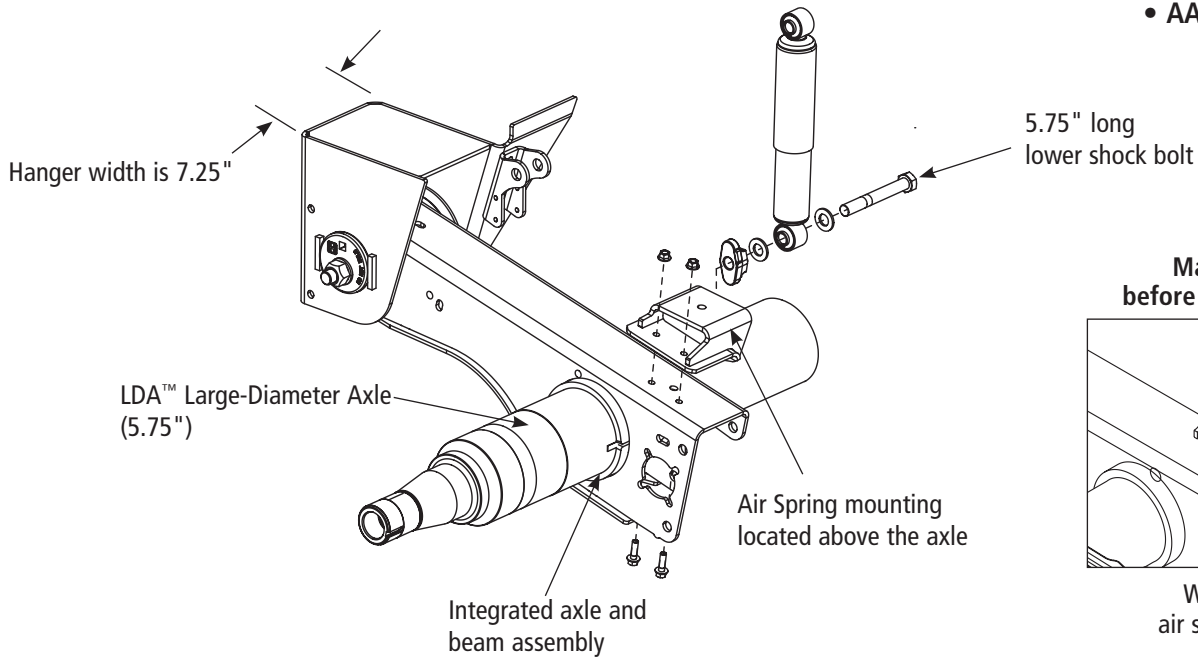




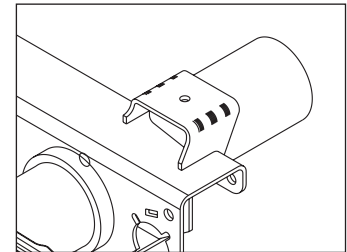
PRIMARY SUSPENSIONS — VOCATIONAL APPLICATIONS (INTRAAX®)

Hendrickson's INTRAAX® suspensions have an integrated axle and beam assembly. The illustrations show the distinguishing characteristics of the various models. In order to determine the suspension model, find the illustration with the same identifying characteristics.

INTRAAX Top-Mount • AAT 23K / 25K / 30K

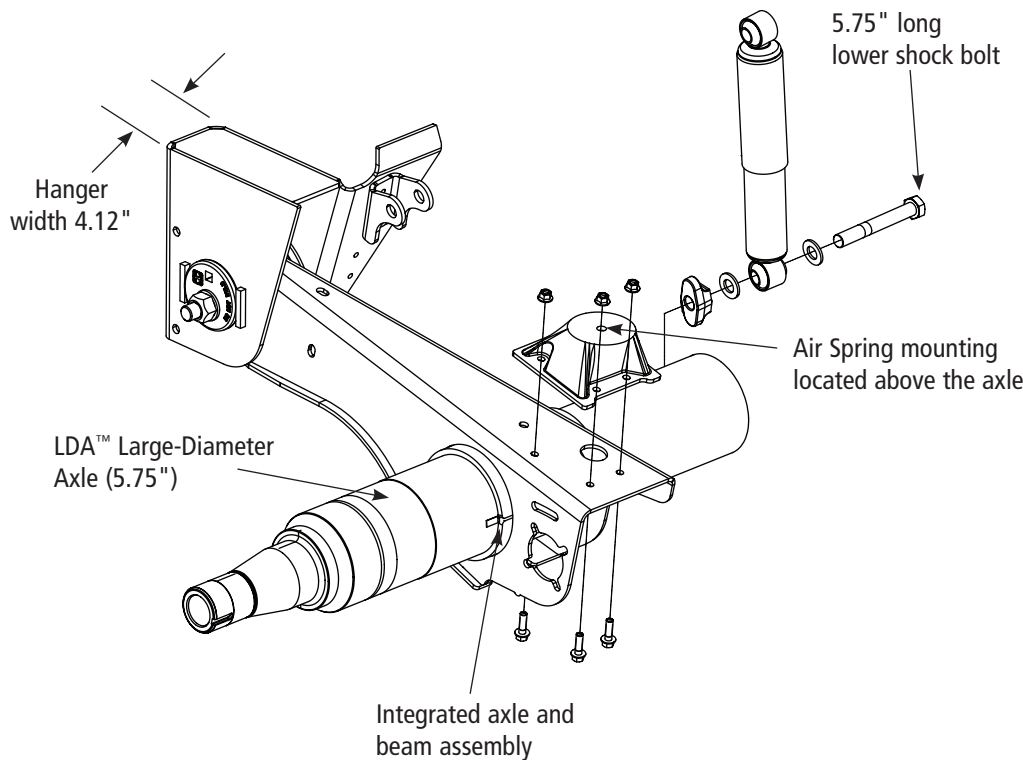


Manufactured before December 2010

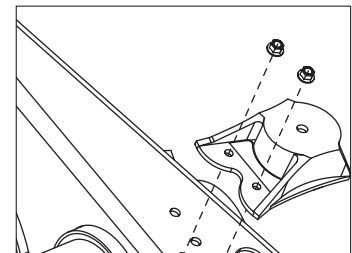


With weld-on air spring pedestal

INTRAAX Top-Mount • AANT 23K

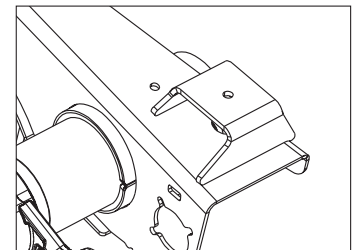


Manufactured late August 2002 through 2008



With cast, bolt-on air spring pedestal

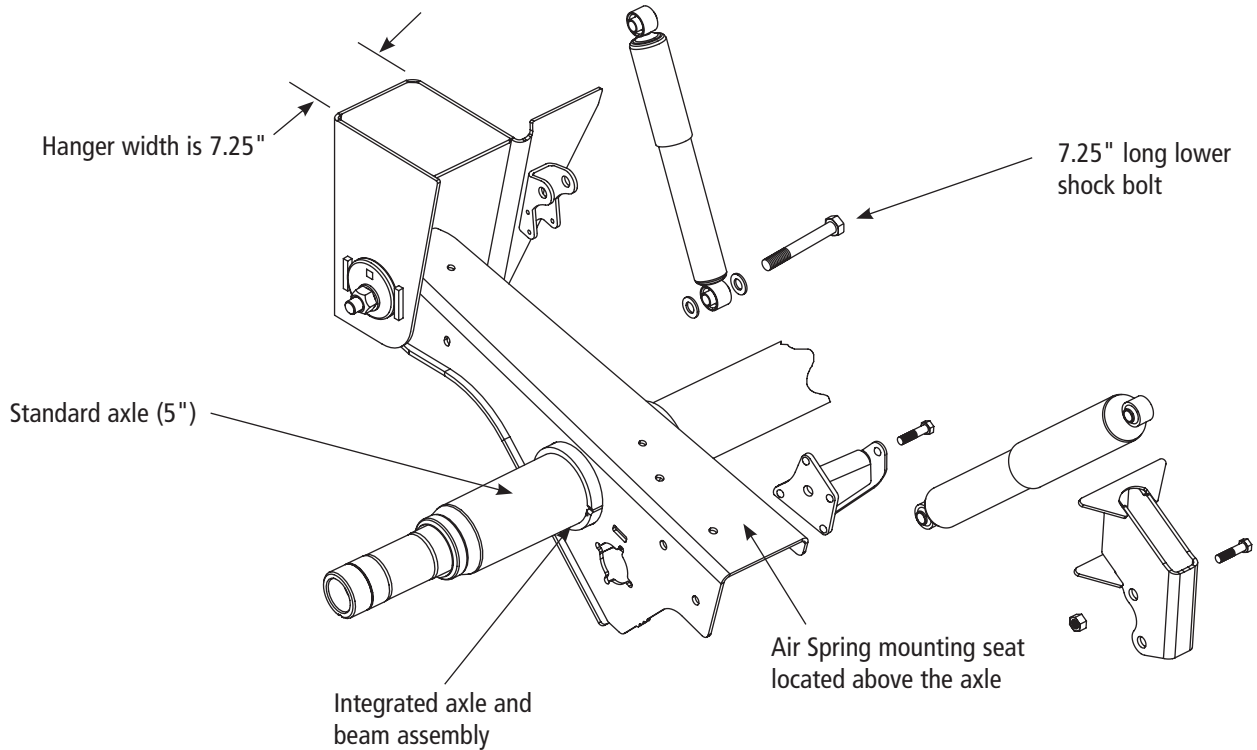
Manufactured 2001 through 2002



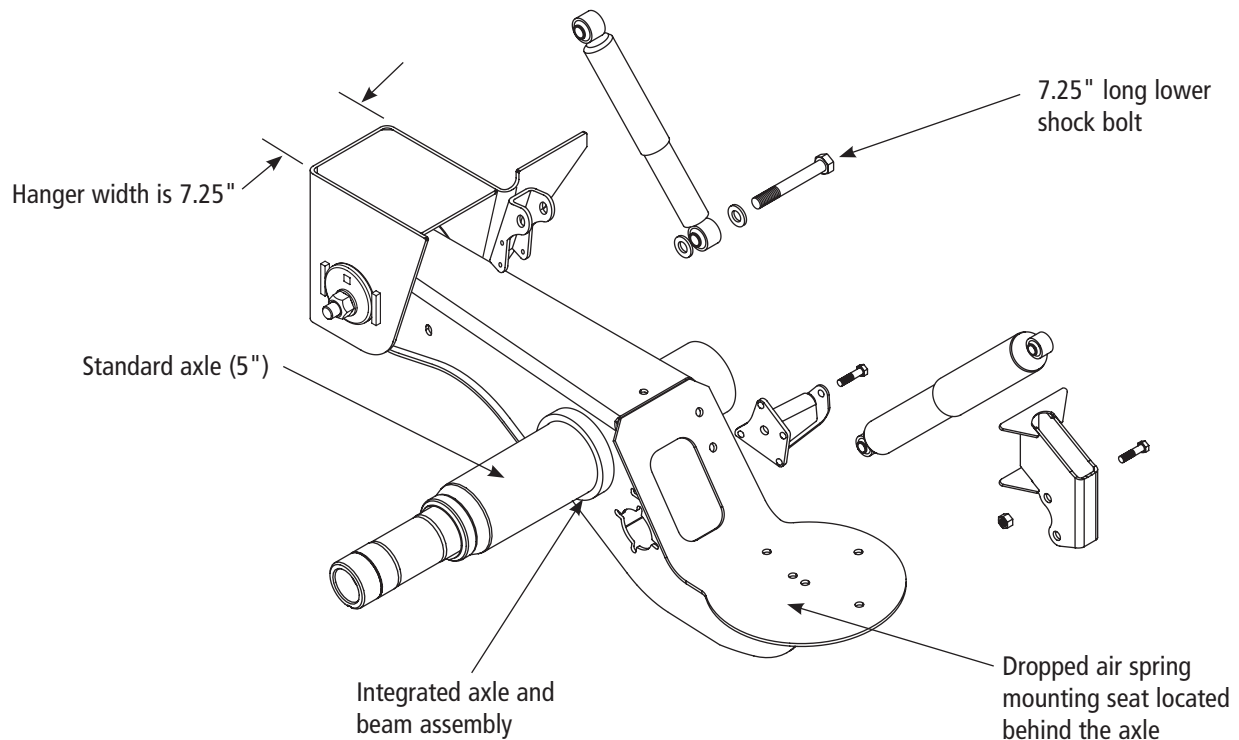
With 2-inch, weld-on air spring pedestal



INTRAAAX® Extreme-Duty Top-Mount
• AAEDT 30K



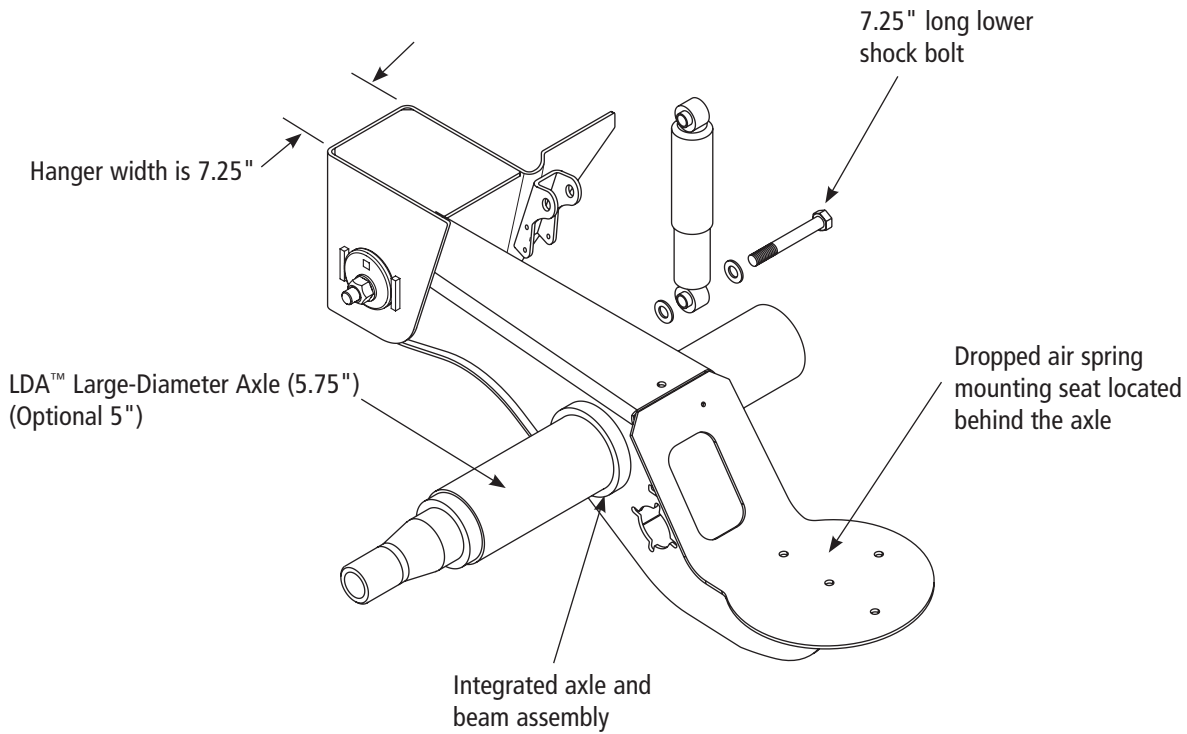
INTRAAAX Extreme Duty Low-Ride /Liftable
• AAEDL 30K





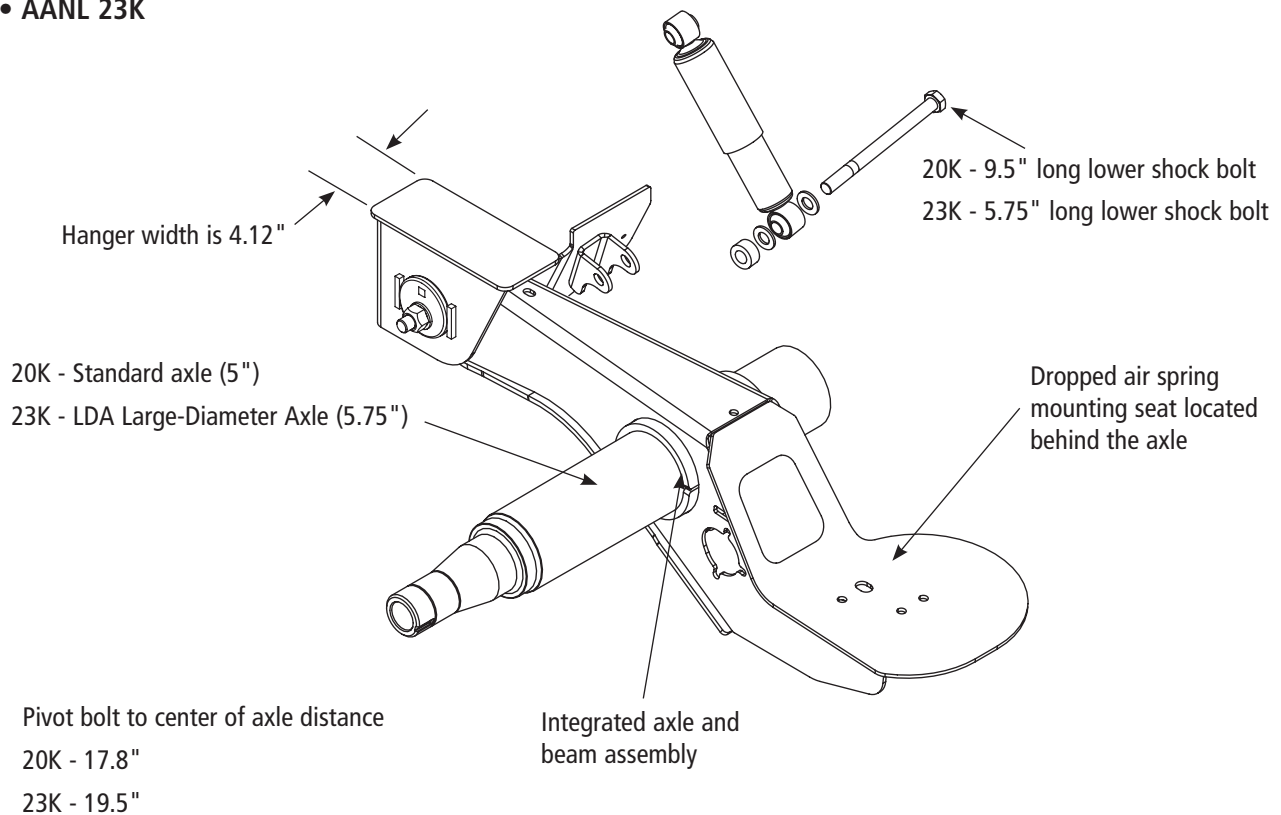
INTRAAAX® Low-Ride / Lifiable

- AAL 23K / 25K / 30K



INTRAAAX Low-Ride

- AANLS 20K
- AANL 23K



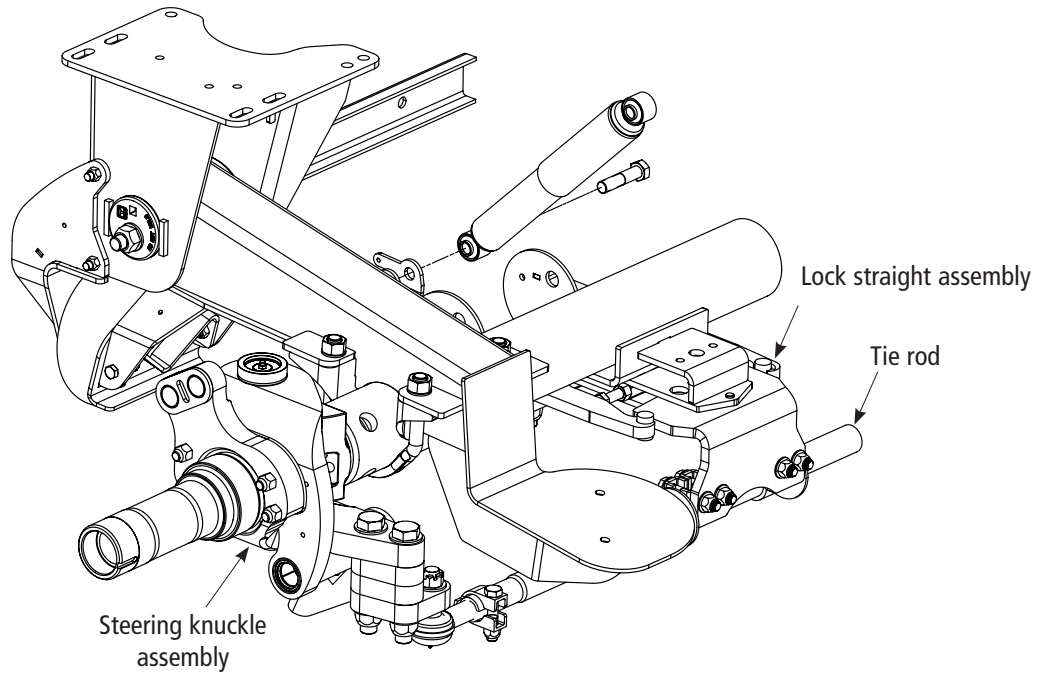


SELF-STEER SUSPENSION — VOCATIONAL APPLICATIONS (CONNEX[®] ST)

Hendrickson's CONNEX ST trailer self-steer suspensions combine the proven HT250T with its innovative steer axle technology. The illustration shows the distinguishing characteristics of the CONNEX ST model.

CONNEX ST Liftable

- CXSL 25K

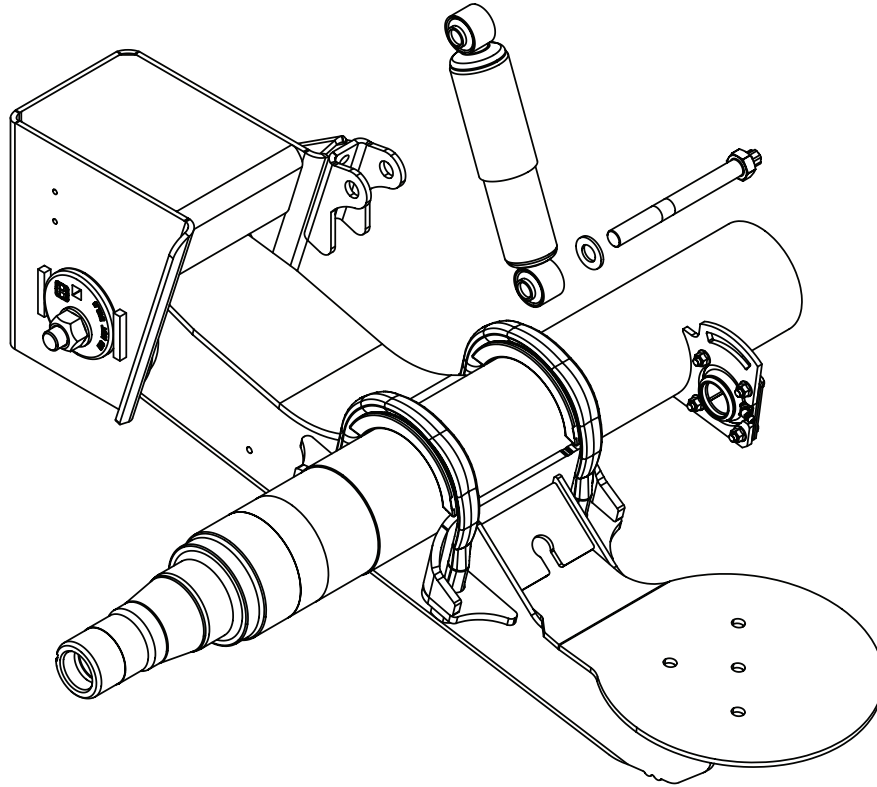


PRIMARY SUSPENSION — VOCATIONAL APPLICATIONS (CONNEX®)

Hendrickson's CONNEX® unitized trailer suspension system combines the proven HT® SERIES suspension components with TRLAXLE® non-integrated axle. The illustration shows the distinguishing characteristics of the CONNEX model.

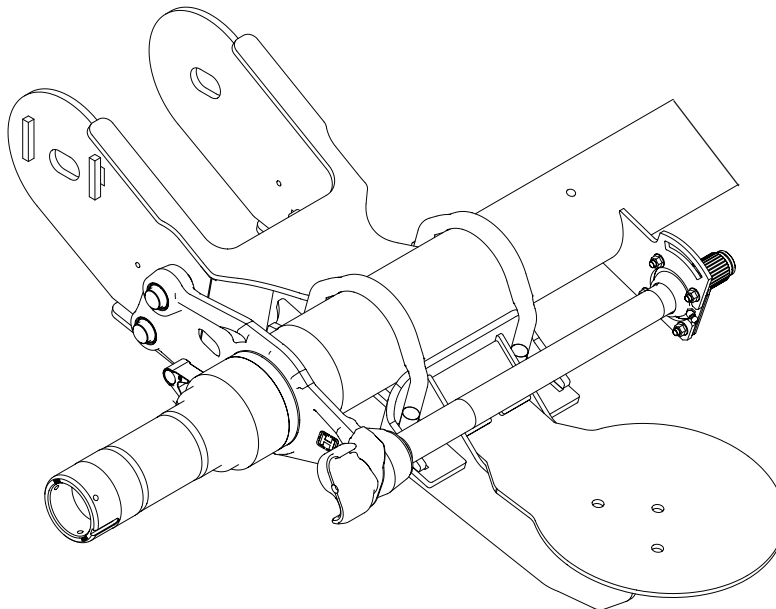
CONNEX Underslung

- CXU 23K
- CXU 25K



CONNEX Y-Beam

- CXY 23K
- CXY 25K

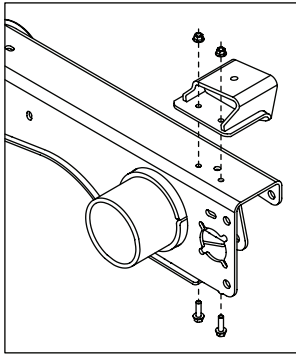




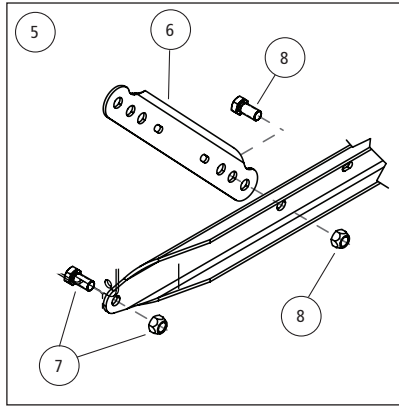
Primary Fixed Suspension System

INTRAAX® AAT Top-Mount

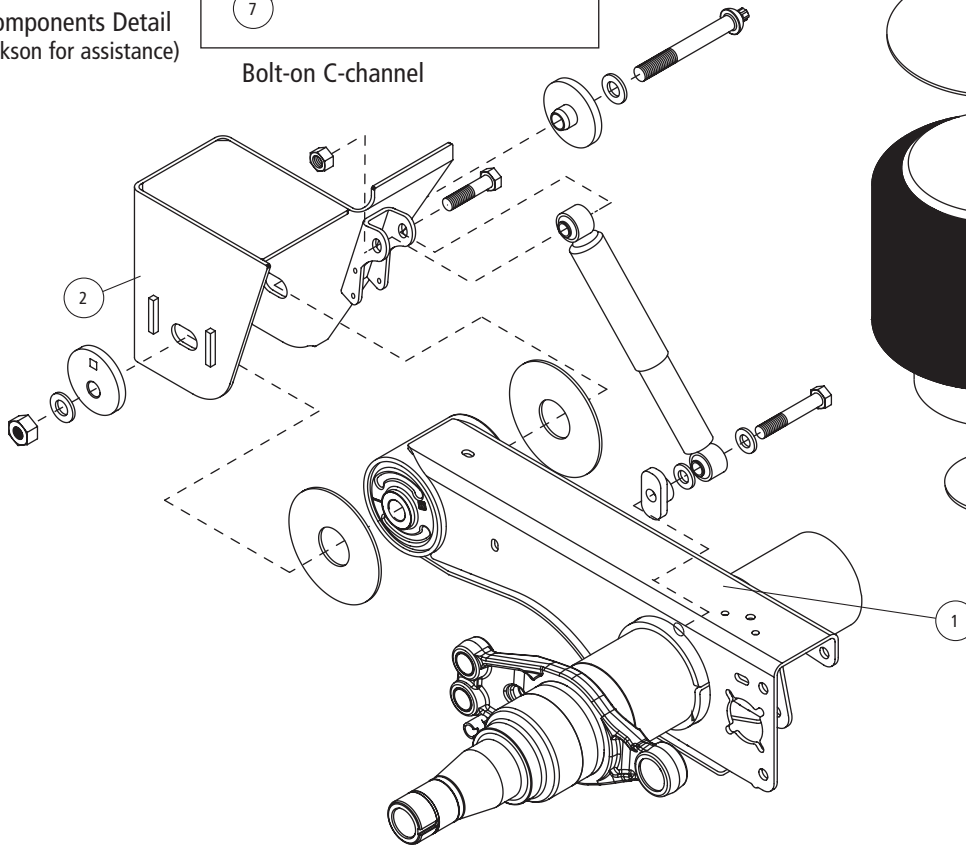
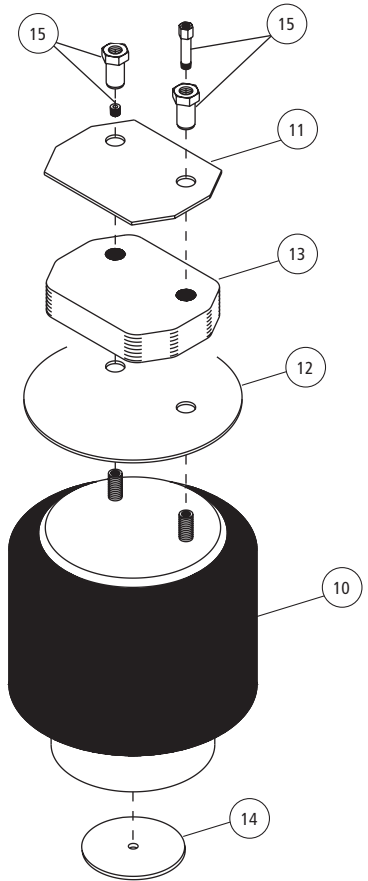
L405 - Suspension Components	58
L1266 - Frame Brackets	278
L1287 - Shocks	297
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



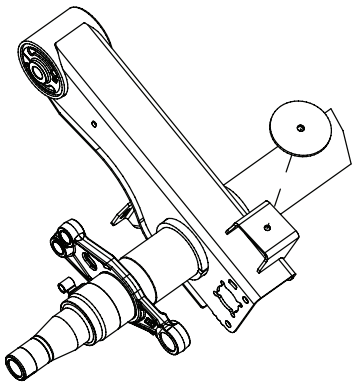
Pedestal Components Detail
(Call Hendrickson for assistance)



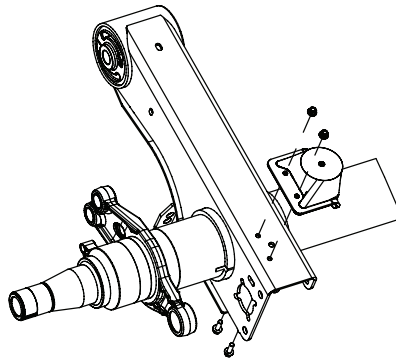
Bolt-on C-channel



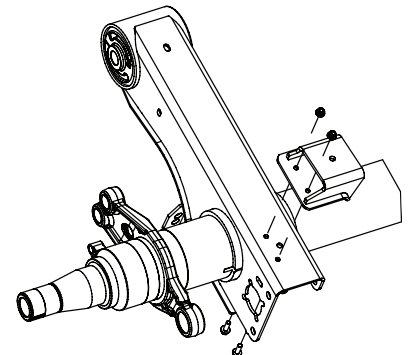
Five inch axle, weld-on
pedestal (obsolete)



LDA Axle, cast pedestal



LDA Axle, fabricated pedestal





ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
1	AXLE / BEAM WELDMENT	HTRAAX.XX		Contact Hendrickson for assistance
2	FRAME BRACKET¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET (Not Shown)	S-27330	2	13.5" to 19" ride heights
4	FRAME BRACKET BRACE (Not Shown)	B-2347-7	1	16" – 17" ride heights
5	BOLT-ON C-CHANNEL KIT²			
	71.5" track	S-31901-3C	1	Standard black primer; includes c-channel, 2 struts and strut bolt kit
	77.5" track	S-31901-1C	1	Standard black primer; includes c-channel, 2 struts and strut bolt kit
6	STRUT²	B-30591	2	
7	C-CHANNEL BOLT KIT	S-29822	1	Includes 2 screws and 2 prevailing torque nuts
8	STRUT BOLT KIT	S-30720	1	Includes 6 screws and 6 prevailing torque nuts
9	WELD-ON C-CHANNEL (Not Shown)			
	71.5" - 77.5" Tracks	A-1631-19	1	13.5" to 19" ride heights
	83.5" - 85" Tracks	A-1631-35	1	13.5" to 19" ride heights
10	AIR SPRING			
	AAT 23K models	S-21800	2	13.5" to 19" ride heights
	AAT 25K models	S-20901	2	13.5" to 19" ride heights
	AAT 30K models	S-25873	2	13.5" to 19" ride heights
	ZMD® TECHNOLOGY (Not Shown)			See page 6
11	AIR SPRING MOUNTING PLATE			
	Weld-on	S-20905	2	12" – 19" ride heights; standard air spring mounting plate
	Bolt-on ³	B-21145	2	13.5" – 19" ride heights; standard air spring mounting plate
		B-21715	2	13.5" – 19" ride heights; pattern 1 air spring mounting plate
		B-22390	2	13.5" – 19" ride heights; pattern 2 air spring mounting plate
		B-27264	2	13.5" – 19" ride heights; pattern 3 air spring mounting plate
12	AIR SPRING FLEX PLATE (30K MODELS ONLY) (5" axle)	B-23294		Not required for units with LDA™
13	AIR SPRING SPACER (Plastic)⁴			
	5" axle			Flex Plate required
	15" ride height	S-22510-1	2	1 ¹ / ₈ " thick spacer
	16" ride height	S-22510-2	2	1 ⁷ / ₈ " thick spacer
		S-22510-1	2	Only on ZMD® air spring
	17" ride height	S-22510-3	2	3 ¹ / ₈ " thick spacer
	LDA™ Large-Diameter Axle			
	16" and 18" ride height	S-22510-4	2	¾" Thick spacer
	19" ride height	S-22510-2	2	1 ⁷ / ₈ " Thick spacer
14	AIR SPRING BOTTOM DISK (5" axle)	S-21786		
15	AIR SPRING MOUNTING KITS^{5,6}			One per air spring; Includes air fittings, hex flange nuts, plugs and extension nuts
	5" and LDA™ Large-Diameter Axle			
	13.5", 14", 15" ride heights	S-22619/2	2	
	16" and 18" ride heights	S-22630/2	2	
	17" ride height	S-22619/2	2	
	19" ride height	S-22631/2	2	

1. Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket parts list.

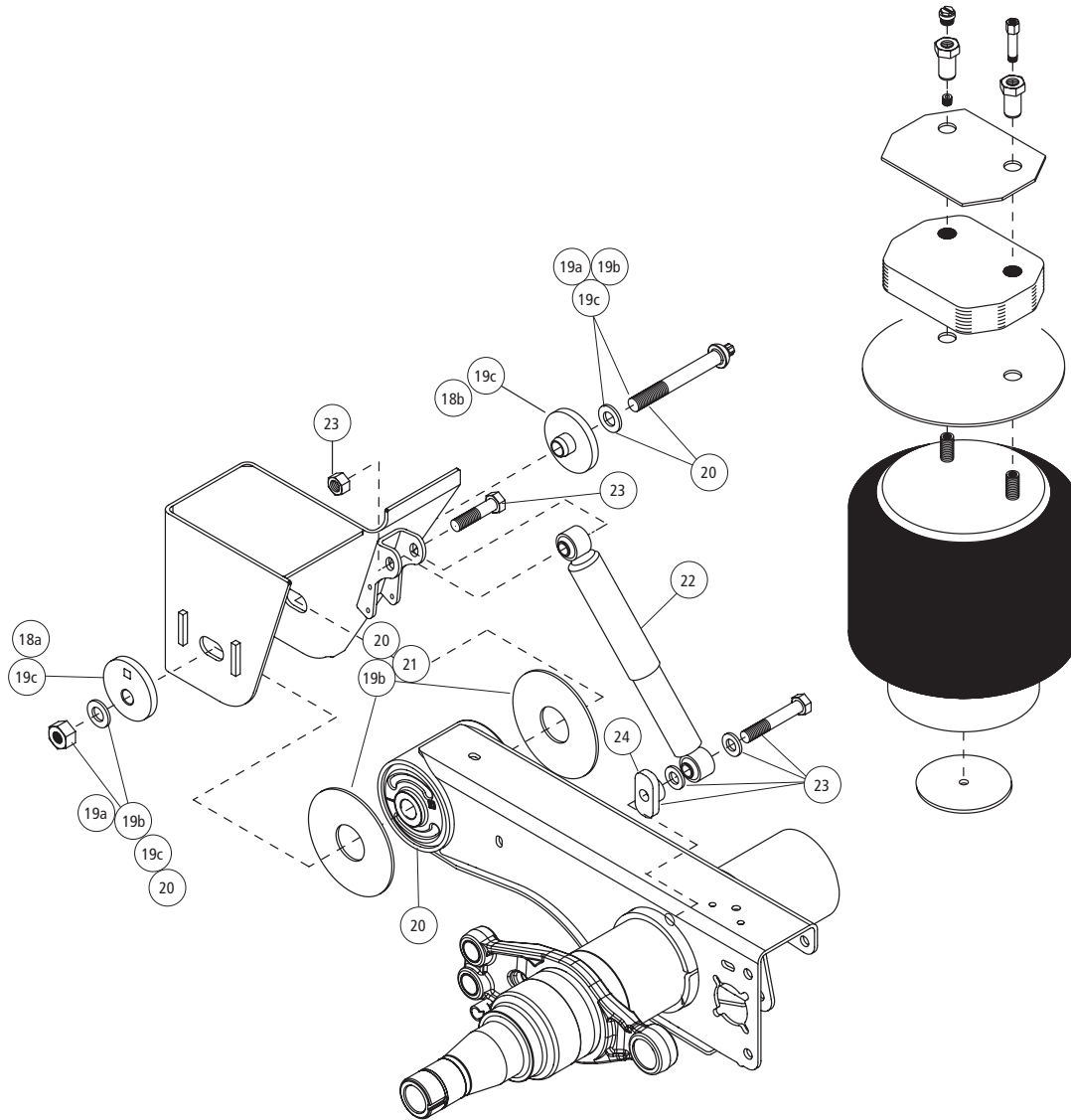
2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.

3. Please see INTRAAX® Bolt-on Mounting Drawing, D-26651, for assistance in pattern selection. This drawing can be found in the literature section of the Hendrickson website (www.hendrickson-intl.com).

4. Standard options listed. Other options exist. Please contact Hendrickson for assistance.

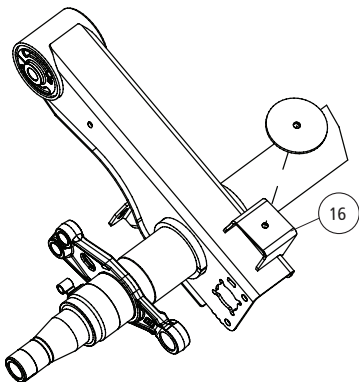
5. Picture may not resemble all models.

6. Kits listed are for units with standard travel, standard air spring hardware and standard air spring mounting plate. Components may vary for limited rebound, limited jounce, thick frame or steel spacer models.

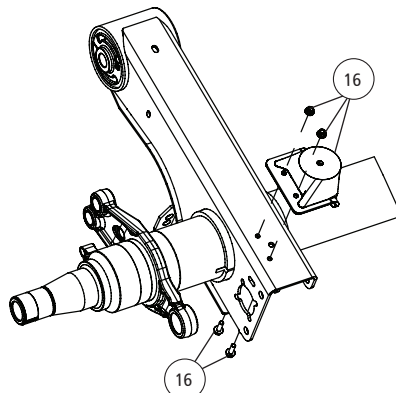


Pedestal Component Details (call Hendrickson for assistance)

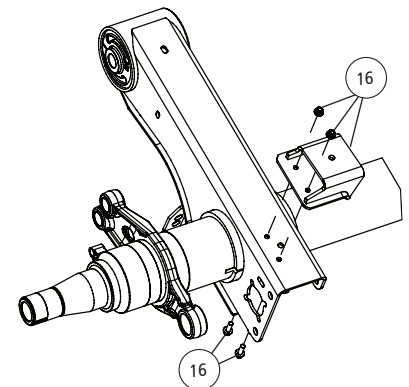
Five inch axle, weld-on pedestal (obsolete)



LDA Axle, cast pedestal



LDA Axle, fabricated pedestal





ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
16	AIR SPRING PEDESTAL KITS			Includes 2 pedestals, 4 nuts, and 4 screws
	LDA and Five Inch Axle: Standard Travel (or) Limited Rebound Travel			
	13.5" – 14" ride heights	S-32164-1	2	Kit uses bolt-on cast pedestals D-36230-1L/1R
	15" – 16" ride heights	S-32164-2	2	Kit uses bolt-on steel pedestals B-30827-2L/2R
	17" – 19" ride heights	S-32164-3	2	Kit uses bolt-on steel pedestals B-30827-3L/3R
	LDA and Five Inch Axle: Limited Jounce Travel			Not available on 13.5", 18", 19" ride heights
	14" – 15" ride heights	S-32164-2	2	Kit uses bolt-on steel pedestals B-30827-2L/2R
	16" – 17" ride heights	S-32164-3	2	Kit uses bolt-on steel pedestals B-30827-3L/3R
	5" Axle (Weld-On) Pedestal			
	13.5" – 19" ride heights	S-32164-1	2	Use bolt-on S-32164-1. Follow directions on B-32164 drawing. Weld-on option obsolete. Replace with bolt-on number listed above.
17	AIR SPRING SPACER ASSEMBLY (Not Shown)			Contact Hendrickson for assistance
18	ALIGNMENT COLLARS			
	18a Eccentric	S-20925	2	Pivot hole is offset from the center of collar
	18b Concentric	S-20924	2	Pivot hole is in center of collar
19	QUIK-ALIGN® PIVOT BOLT KIT⁷			
	19a Pivot bolt kit	S-24679	2	Includes 10" shear-type bolt, nut, and washers
	19b Pivot bolt kit w/ bushing tube spacers			
	Standard	S-26369	2	Includes 10" shear-type bolt, nut, washers, and std. bushing tube spacers (Item 21)
	Off-Highway	S-40394-1	2	Includes 10" shear-type bolt, nut, washers, and off-highway bushing tube spacers (Item 21)
	19c Pivot bolt kit w/ alignment collars	S-24680	2	Includes 10" shear-type bolt, nut, washers, and alignment collars
20	TRI-FUNCTIONAL® BUSHING KIT^{5,7,8}			
	Standard	S-24691	2	Includes bushing, pivot bolt kit (Item 19a), std. bushing tube spacers (Item 21) and lube
	Off-Highway	S-40393-1	2	Includes bushing, pivot bolt kit (Item 19a), off-highway bushing tube spacers (Item 21) and lube
	Standard pivot bushing kit w/alignment collars	S-28654	1	Includes 2 bushings, 2 pivot bolt kits, bushing tube spacers and lube
21	BUSHING TUBE SPACERS			4 required per axle; Standard
	Standard	S-21099	4	
	Off-Highway	S-40230-1	4	
22	FRONT SHOCK ABSORBER			See L1287 Shock Parts List
23	SHOCK ABSORBER BOLT KIT			One 1 required per shock
	23K and 25K models shipped before 8/11/95	S-20896/2	2	
	23K and 25K models shipped after 8/11/95	S-24021	2	
	30K front mounted shock	S-24021	2	
	30K rear mounted shock	S-20031/2	2	
24	SHOCK SPACER	S-27196	2	

7. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive) or S-24303 (3/4-inch drive)

8. Bushing tool, S-21307 is required to correctly rebush the suspension.



ZMD® ZERO MAINTENANCE DAMPING® COMPONENTS – AAT 23K and AAT 25K only (Not Shown)

ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
25	ZMD® AIR SPRING			14" - 19" ride heights only; standard and limited rebound ⁹ travel
	AAT 23K			
	Plastic piston	S-39400	2	
	AAT 25K			
	Plastic piston	S-39401	2	
26	ZMD DOWNSTOP			
	14" ride height	S-33669	2	Standard and limited rebound ⁹ travel
	16" ride height			
	Standard travel	S-33669-3	2	
	Limited rebound ⁹	S-33669	2	
	15" and 17" - 19" ride heights	S-33669-3	2	Standard travel
27	ZMD DOWNSTOP BOLT KIT	S-24049/2	2	Includes shear bolts, spacers, washers, hex bolt and hex nut
28	ZMD RETROFIT KIT			Includes 2 ZMD air springs, 2 down stop assemblies and hardware
	AAT 23K			
	14" ride height	S-39350-2	1	
	15" ride height	S-39350-4	1	
	16" ride height			
	Standard travel	S-39350-9	1	
	Limited rebound	S-39350-10	1	
	17" ride height	S-39350-4	1	
	AAT 25K			
	14" ride height	S-39350-11	1	
	15" ride height	S-39350-12	1	
	16" ride height			
	Standard travel	S-39350-13	1	
	Limited rebound	S-39350-17	1	
	17" - 19" ride heights	S-39350-12	1	

9. Only available on 14" and 16" ride heights with raised center axle.



Primary Fixed Suspension System

INTRAAX® AANT Top-Mount

L1057 - Suspension Components.....	64
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346



SUSPENSION ASSEMBLIES

Frame Bracket Assembly

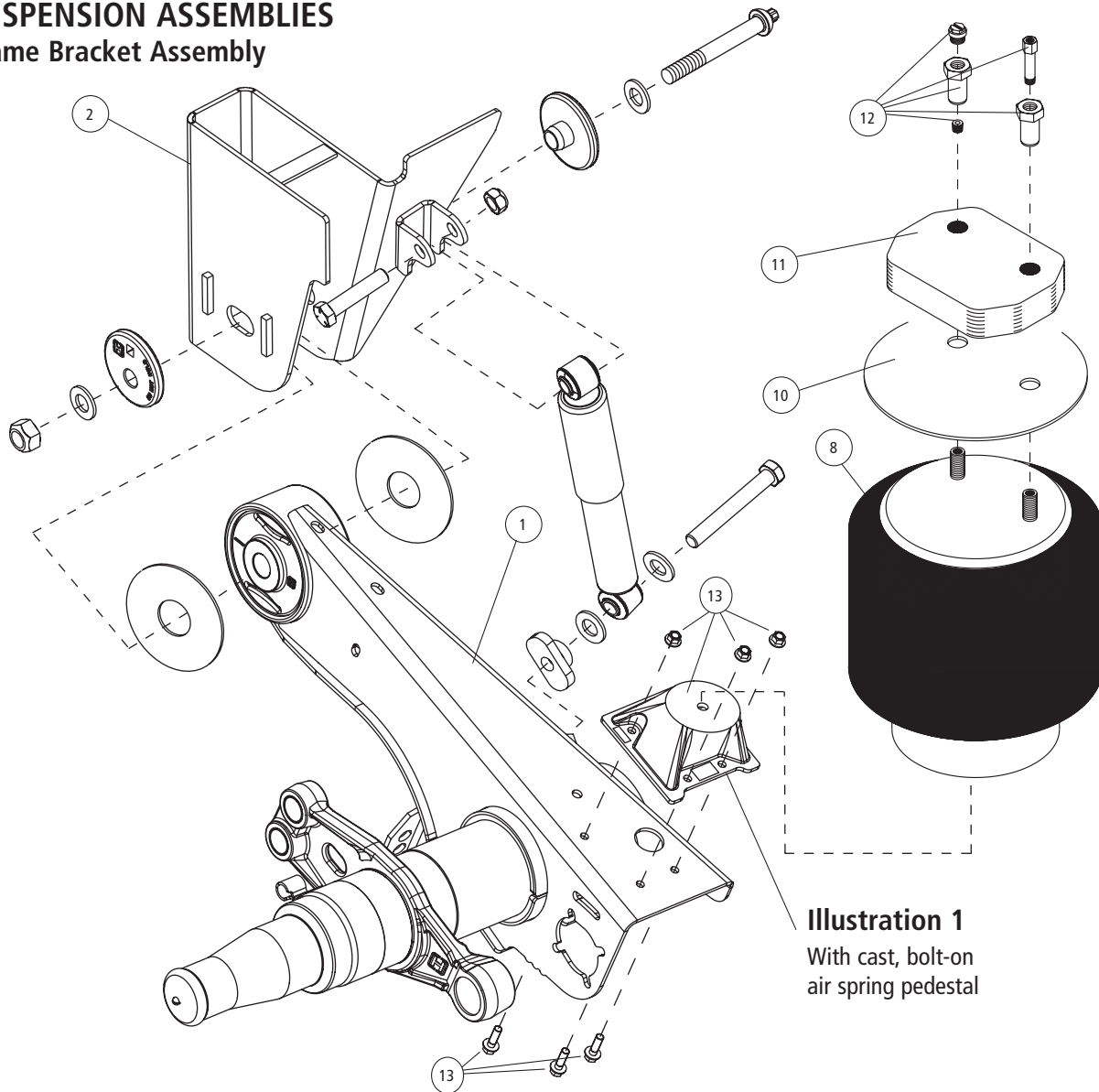


Illustration 1
With cast, bolt-on
air spring pedestal

Manufactured Late August 2002 Through 2008

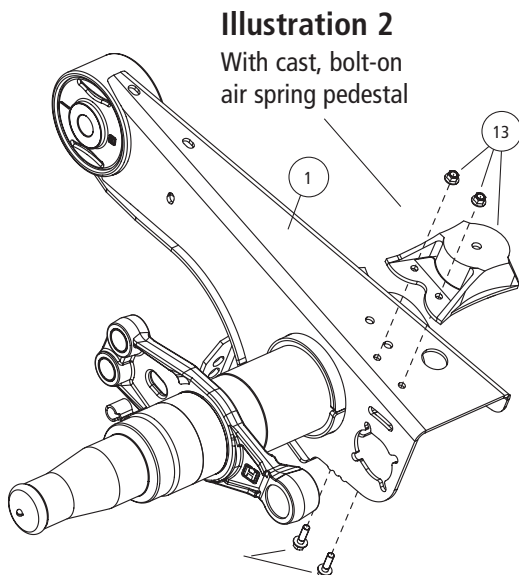


Illustration 2
With cast, bolt-on
air spring pedestal

Manufactured 2001 Through 2002

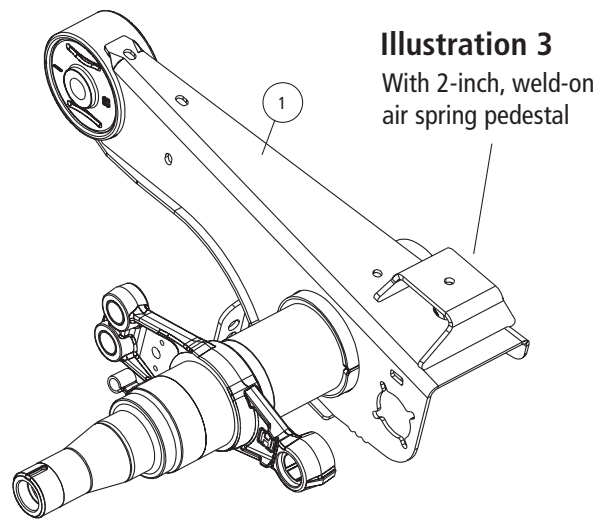


Illustration 3
With 2-inch, weld-on
air spring pedestal



ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE / BEAM WELDMENT	HTRAAX.XXX		Contact Hendrickson for assistance
2	FRAME BRACKET ¹			See L1266 Frame Bracket Parts List
3	BOLT-ON C-CHANNEL KIT² (Not Shown)			
	71.5" track	S-31901-1C		Standard / black primer; includes c-channel, 2 struts and strut bolt kit
	77.5" track	S-31901-2C		Standard / black primer; includes c-channel, 2 struts and strut bolt kit
4	STRUT² (Not Shown)	B-30591	2	
5	C-CHANNEL BOLT KIT (Not Shown)	S-29822	1	Includes 2 screws and 2 prevailing torque nuts
6	STRUT BOLT KIT (Not Shown)	S-30720-1	1	6 Screws and 6 prevailing torque nuts
7	WELD-ON C-CHANNEL (Not Shown)			
	71.5" track	C-27375-1	1	7" C-channel, wingless
	75.5" track	C-27375-2	1	7" C-channel, wingless
	77.5" track	C-27375	1	7" C-channel, wingless
8	AIR SPRING			
	Standard pressure	S-26773	2	12" to 13" ride heights
	Standard pressure	S-21800	2	13.5" to 19" ride heights
	Low pressure	S-20901	2	13.5" to 19" ride heights
9	ZMD® TECHNOLOGY			See page 6
10	AIR SPRING MOUNTING PLATE³			
	Weld-on	S-20905	2	12" - 19" ride heights; standard air spring mounting plate
	Bolt-on ³	B-21145	2	13.5" - 19" ride heights; standard air spring mounting plate
		B-21715	2	13.5" - 19" ride heights; pattern 1 air spring mounting plate
		B-22390	2	13.5" - 19" ride heights; pattern 2 air spring mounting plate
		B-27264	2	13.5" - 19" ride heights; pattern 3 air spring mounting plate
11	AIR SPRING SPACER⁴			Standard travel
	17" ride height	S-22510-1	2	
	16" and 18" ride heights	S-22510-2	2	Only on ZMD air spring and weld-on frame bracket for 16" ride height
	19" ride height	S-22510-3	2	
12	AIR SPRING MOUNTING KIT⁵			(1) per air spring
	12" ride height	S-22907 / 2	2	Standard frame thickness
	13.5" - 16" ride heights	S-22619 / 2	2	Standard frame thickness
	17" ride height	S-22630 / 2	2	Standard frame thickness
	18" ride height	S-22631 / 2	2	Standard frame thickness
	19" ride height	S-22632 / 2	2	Standard frame thickness
13	AIR SPRING PEDESTAL KITS			Includes 2 pedestals, 6 nuts and 6 screws
	13.5" - 14" ride heights	S-27447-1	2	
	15" ride height	S-27447-3	2	
	16" - 19" ride heights	S-27447-4	2	Only on standard air springs for 16" ride height
	16" ride height	S-27447-2	2	Only on ZMD air spring and weld-on frame bracket

1. Options exist based on frame attachment, frame bracket style bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.

2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.

3. Please see INTRAAX® bolt-on mounting drawing, D-26651, for assistance in pattern selection. This drawing can be found in the literature section of the Hendrickson website (www.hendrickson-intl.com).

4. Air spring spacer standard options listed. Other options exist. Please contact Hendrickson for assistance.

5. Kits listed are for units with standard travel, standard air spring hardware and standard air spring mounting plate. Components may vary for limited rebound, limited jounce, thick frame or steel spacer models.

Note: Identification tag can be found on the inside of the curbside beam



SUSPENSION ASSEMBLIES

Frame Bracket Assembly

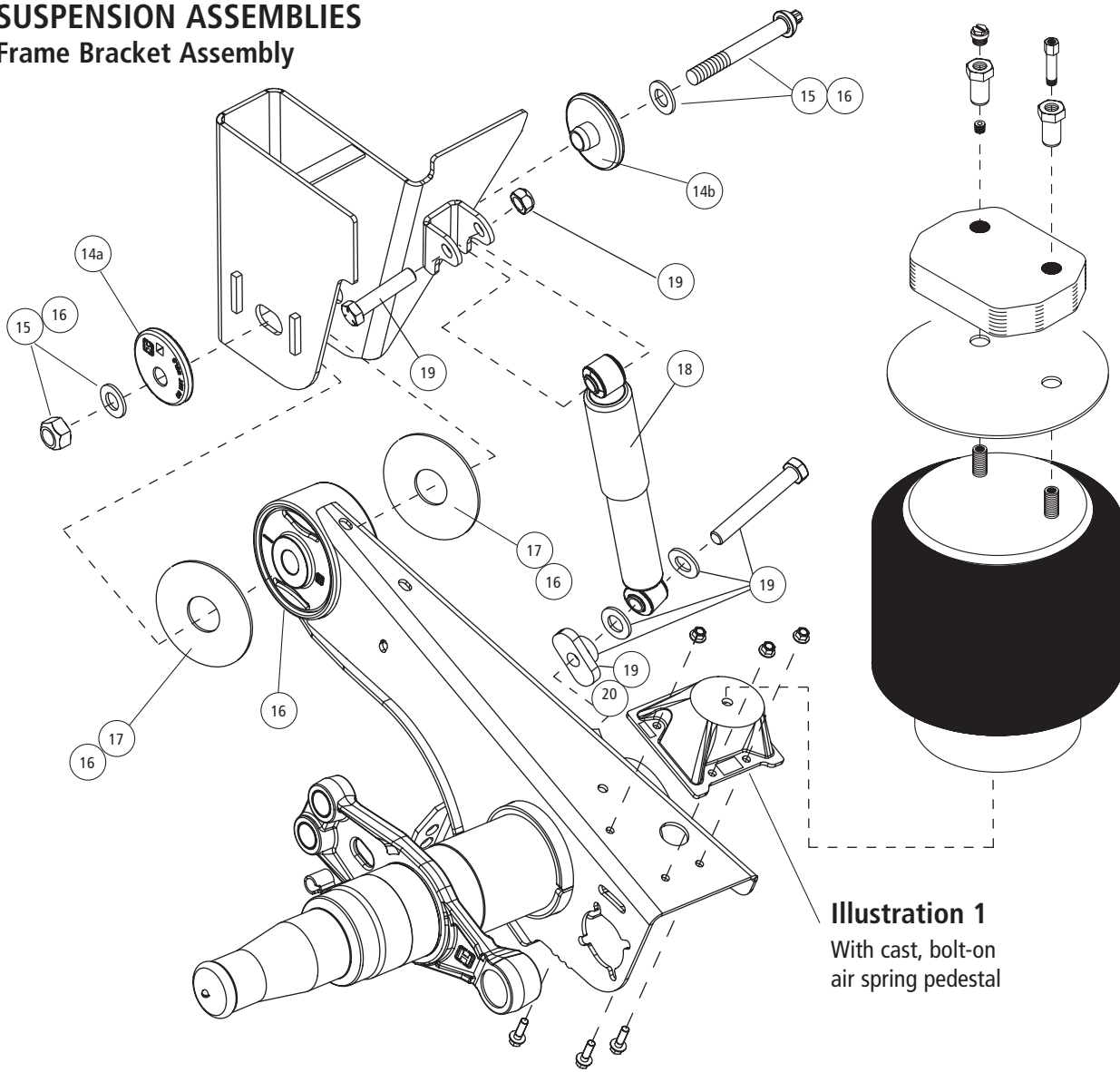
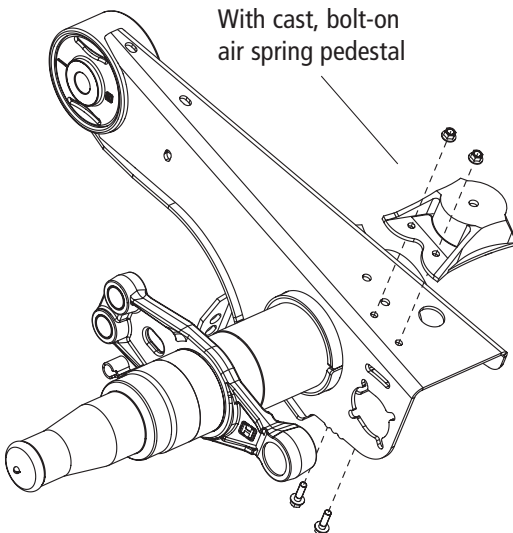


Illustration 1
With cast, bolt-on
air spring pedestal

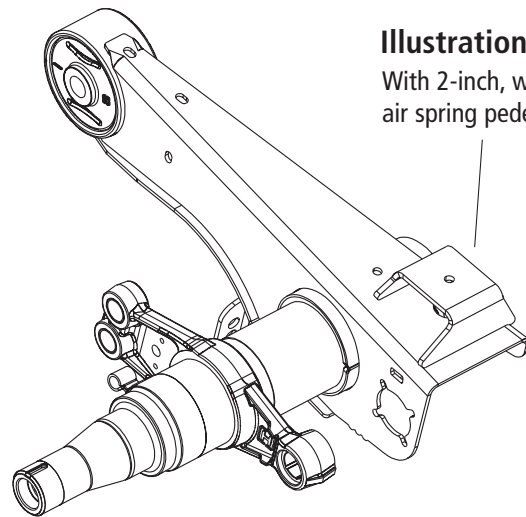
Manufactured Late August 2002 Through 2008

Illustration 2
With cast, bolt-on
air spring pedestal



Manufactured 2001 Through 2002

Illustration 3
With 2-inch, weld-on
air spring pedestal





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
14	ALIGNMENT COLLARS			
	14a Eccentric	S-20925	2	Pivot bolt hole is offset from the center of collar
	14b Concentric	S-20924	2	Pivot bolt hole is in the center of collar
15	QUIK-ALIGN® PIVOT BOLT KIT⁷	S-24705	2	Includes 7" shear-type bolt, nut and washers
16	TRI-FUNCTIONAL® BUSHING KIT^{6,7}	S-26321	1	Includes (2) bushings, pivot bolt kits (Item 15), bushing tube spacers and lube
17	BUSHING TUBE SPACERS	S-26807	4	
18	FRONT SHOCK ABSORBER			See L1287 Shock Parts List
19	FRONT SHOCK BOLT KIT	S-24049/2	2	
20	SHOCK SPACER	S-27196	1	
21	SHOCK STRAP KIT			See L1287 Shock Parts List

6. Bushing tool, S-24736, is required to correctly rebush the suspension.

7. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve) or S-24303 (3/4-inch drive sleeveless).

Note: Identification tag can be found on the inside of the curbside beam



ZMD® ZERO MAINTENANCE DAMPING® COMPONENTS (Not Shown)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
22	ZMD AIR SPRING			14" - 17" ride heights only, std. travel
	Plastic piston	S-39400	2	
23	ZMD DOWNSTOP			
	14" ride height	S-33669	2	
	15" ride height	S-33669-3	2	
	16" ride height			
	Bolt-on	S-33669	2	
	Weld-on	S-33669-3	2	
	17" ride height	S-33669-3	2	
24	ZMD DOWNSTOP BOLT KIT	S-24049/2	2	Includes shear bolts, spacers, washers, hex bolt and hex nut
25	ZMD SHOCK CLEVIS BOLT KIT⁸	S-37219	2	Includes 2 tapping screws and 2 hex nuts
26	ZMD RETROFIT KIT			Includes 2 ZMD air springs, 2 downstop assemblies and hardware
	Winged			
	14" ride height	S-39350-1	1	
	15" ride height	S-39350-3	1	
	16" ride height			
	Bolt-on	S-39350-1	1	
	Weld-on std. frame	S-39350-5	1	Includes B-22510-2 air spring spacer and S-27447-2 kit
	Weld-on thick frame	S-39350-7	1	Includes B-22510-2 air spring spacer and S-27447-2 kit
	17" ride height	S-39350-3	1	
	Wingless			
	14" ride height	S-39350-2	1	
	15" ride height	S-39350-4	1	
	16" ride height			
	Bolt-on	S-39350-2	1	
	Weld-on std. frame	S-39350-6	1	Includes B-22510-2 air spring spacer and S-27447-2 kit
	Weld-on thick frame	S-39350-8	1	Includes B-22510-2 air spring spacer and S-27447-2 kit
	17" ride height	S-39350-4	1	

8. Required only on winged frame brackets equipped with ZMD technology.

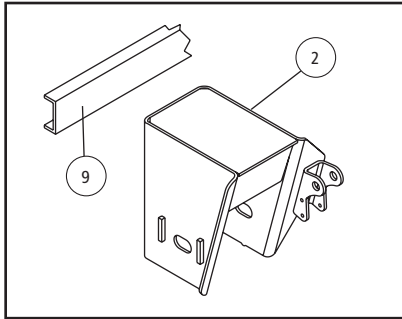
Note: Identification tag can be found on the inside of the curbside beam



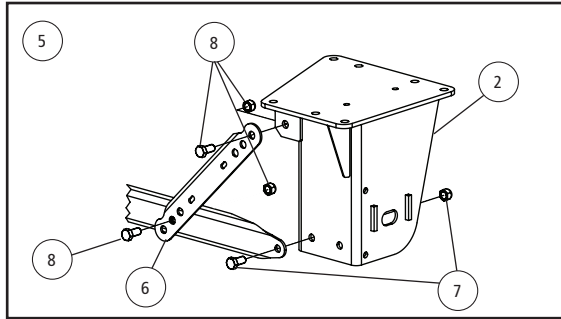
Primary Fixed Suspension System

INTRAAX[®] AAL Low Ride Height / Liftable

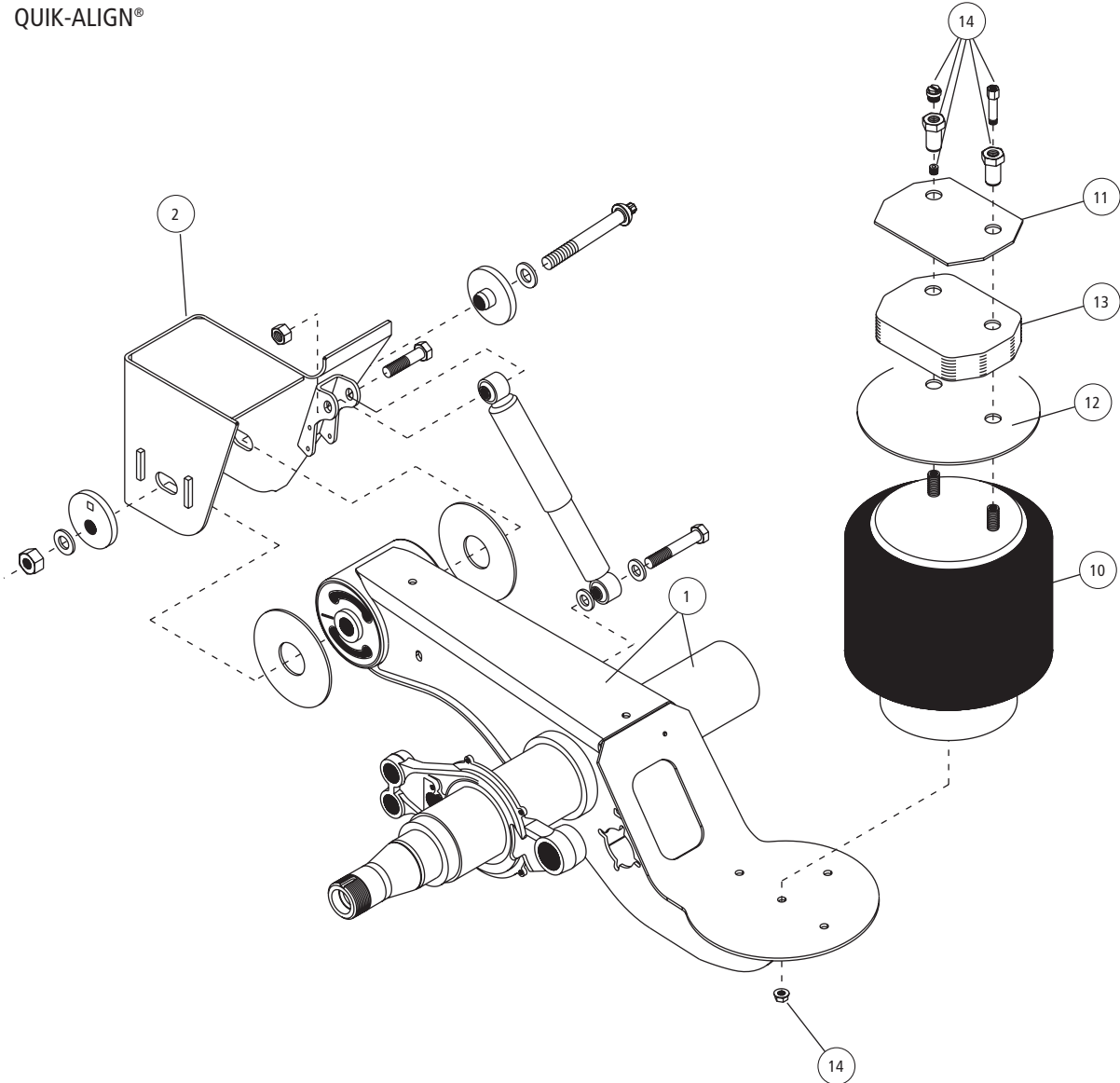
L1060 - Suspension Components.....	70
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL [®] Wheel-End Packages & Air Disc Brake Components.....	346



Wingless, weld-on frame bracket with QUIK-ALIGN®



Wingless, bolt-on frame bracket with QUIK-ALIGN®





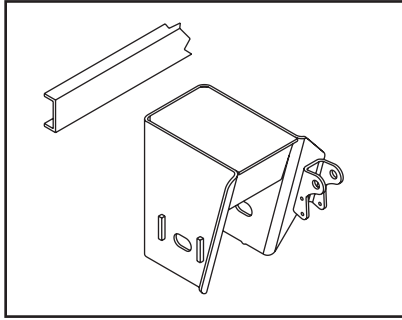
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE	
1	AXLE / BEAM WELDMENT	HTRAAX.###	1	Contact Hendrickson for assistance	
2	FRAME BRACKET ¹			See L1266 Frame Bracket Parts List	
3	FRAME BRACKET GUSSET (Not Shown)	S-27330	2	9" - 17" ride height	
4	FRAME BRACKET BRACE (Not Shown)	B-2347-7	1	Used for 19" ride height	
5	BOLT-ON C-CHANNEL KIT ²				
	71.5" Track	S-31901-3C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit	
	77.5" Track	S-31901-1C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit	
6	STRUT ²	B-30591	2	2	
7	C-CHANNEL BOLT KIT	S-29822	1	Includes 2 screws and 2 prevailing torque nuts	
8	STRUT BOLT KIT	S-30720	1	Includes 6 screws and 6 prevailing torque nuts	
9	WELD-ON C-CHANNEL				
	71.5" - 77.5" Tracks	A-1631-19	1		
	83.5" - 85" Tracks	A-1631-35	1		
10	AIR SPRING (Standard Pressure)				
		23K	25K	30K	
	6.5" - 7.5" Ride heights	S-23720	S-23721	—	2
	8" - 9" Ride heights	S-23613	S-23611	S-25871	2
	12" - 19" Ride heights	S-23614	S-23612	S-25872	2
11	AIR SPRING MOUNTING PLATE ³				
	14" - 16" Ride heights	S-20905	2	Weld-on hangers	
	14" - 16" Ride heights	S-21145	2	Bolt-on hangers	
12	AIR SPRING FLEX PLATE ³				
	9" - 19" Ride heights	S-23294	2	Weld-on and bolt-on hangers	
	12" Ride heights	B-24813	2	Bolt-on hangers	
13	AIR SPRING SPACER ³				
	Five Inch Axle and LDA Large Diameter Axle				
	14" Ride height	S-22510-4	2	Weld-on and bolt-on hangers	
	15" Ride height	S-22510-2	2	Weld-on and bolt-on hangers	
	16" Ride height	S-22510-3	2	Weld-on and bolt-on hangers	
	17" Ride height	D-27049-5	2	Weld-on hangers	
	19" Ride height	D-27049-4	2	Weld-on hangers	
14	AIR SPRINGS MOUNTING KIT ³			One (1) kit per air spring	
		23K / 25K	30K		
	6.5" - 12.0" Ride height	S-22619/2	—	2	
	9" - 12.0" Ride height	—	S-25452/2	2	
	14.0" Ride height	S-22630/2	S-25453/2	2	
	15.0" Ride height	S-22631/2	S-25454/2	2	
	16.0" Ride height	S-22632/2	S-25455/2	2	
	17.0" Ride height	S-22619/2	S-25452/2	2	
	19.0" Ride heights	S-22619/2	S-25452/2	2	

1. Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.

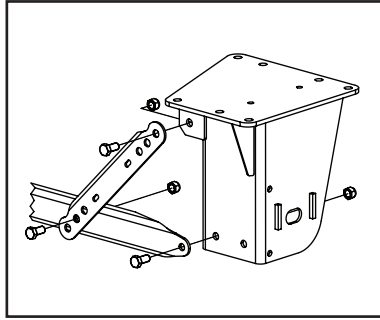
2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.

3. Standard options listed. Other options exist. Contact Hendrickson for assistance.

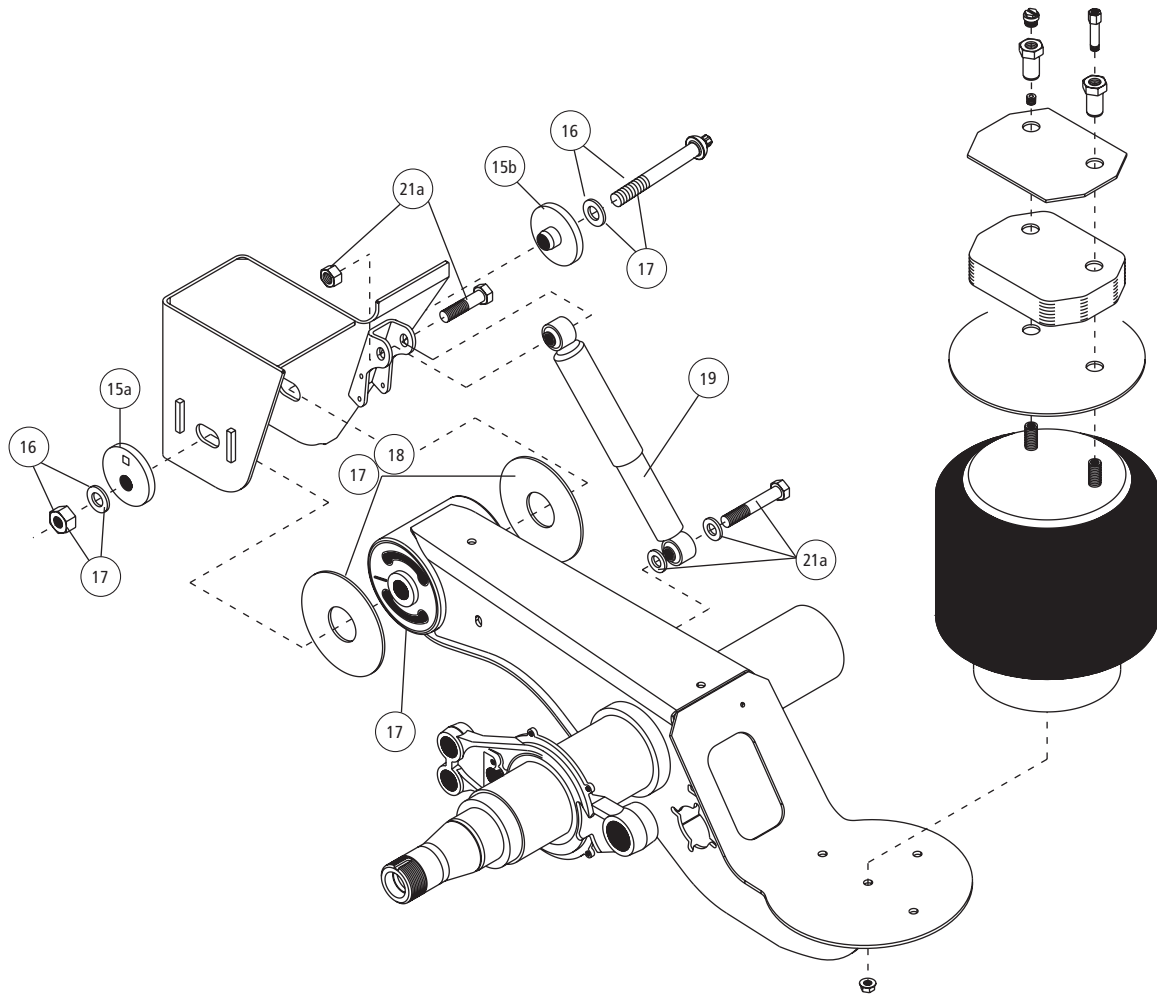
Note: Identification tag can be found on the inside of the curbside beam.



Wingless, weld-on frame bracket with QUIK-ALIGN®



Wingless, bolt-on frame bracket with QUIK-ALIGN®





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
15	ALIGNMENT COLLARS			
	15a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	15b Concentric	S-20924	2	Pivot bolt hole is in center of collar
16	QUIK-ALIGN® PIVOT BOLT KIT*			
	16a Pivot bolt kit	S-24679	2	Includes 10" shear-type bolt, nut, and washers
	16b Pivot bolt kit w/bushing tube spacers			
	Standard	S-26369	2	Includes 10" shear-type bolt, nut, washers, and std. bushing tube spacers (Item 18)
	Off-Highway	S-40394-1	2	Includes 10" shear-type bolt, nut, washers, and off-highway bushing tube spacers (Item 18)
	16c Pivot bolt kit w/alignment collars	S-24680	2	Includes 10" shear-type bolt, nut, washers, and alignment collars
17	TRI-FUNCTIONAL® BUSHING KIT^{4,5}			
	Standard	S-24691	2	Includes bushing, pivot bolt kit (Item 16a), std. bushing tube spacers (Item 18) and lube
	Off-Highway	S-40393-1	2	Includes bushing, pivot bolt kit (Item 16a), off-highway bushing tube spacers (Item 18) and lube
	Standard pivot bushing kit w/alignment collars	S-28654	1	Includes 2 bushings, 2 pivot bolt kits (Item 16a), std. bushing tube spacers (Item 18) and lube
18	BUSHING TUBE SPACERS			4 required per axle
	Standard	S-21099	4	
	Off-Highway	S-40230-1	4	
19	FRONT SHOCK ABSORBER			
	6.5" - 9" Ride heights	S-23651	2	Standard travel, standard duty cycle
	6.5" - 9" Ride heights	S-24579	2	Standard travel, extended service
	12" Ride height	S-23566	2	Standard travel, standard duty cycle
	12" Ride height	S-24023	2	Standard travel, extended service
	14" - 19" Ride heights	S-2212	2	Standard travel, standard duty cycle
	14" - 19" Ride heights	S-23316	2	Standard travel, extended service
20	REAR SHOCK ABSORBER (Not Shown)			
	6.5" - 7.5" Ride heights	S-20345	2	
	9" - 12" Ride heights	S-25436	2	
	14" - 17" Ride heights	S-25437	2	
21	SHOCK BOLT KIT	5-inch	LDA™	
		S-24757/2	S-31080/2	
	21a Front shock absorber	S-2157/2	S-2157/2	2 (1) One kit per shock
	21b Rear shock absorber (Not Shown)			2 (1) One kit per shock

4. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve) or S-24303 (3/4-inch drive sleeveless).

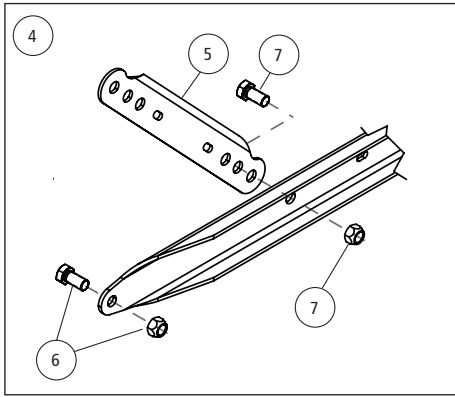
5. Bushing tool S-21307 is required to correctly rebush the suspension.



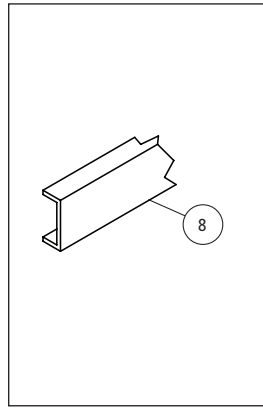
Primary Fixed Suspension System

INTRAAX® AANL Low Ride / Liftable

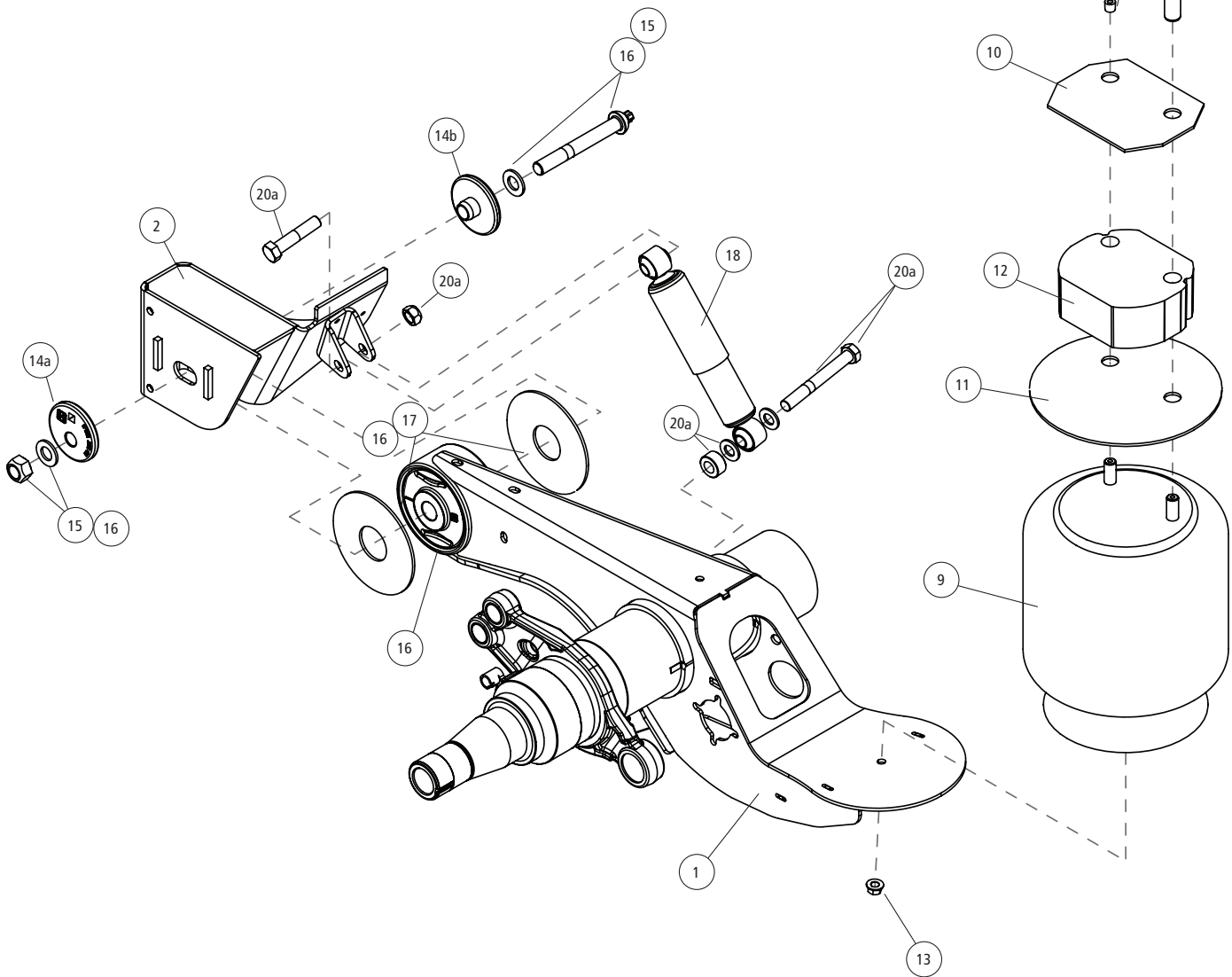
L1051 - Suspension Components.....	76
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346



Bolt-on C-channel



Weld-on C-channel





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE/BEAM WELDMENT	HTRAAX.XX		Contact Hendrickson for assistance
2	FRAME BRACKET ¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET (For winged weld-on) (Not Shown)	S-27330	2	
4	BOLT-ON C-CHANNEL KIT ²			
	73.0" Track	S-31901-4C	1	Standard black primer; includes a c-channel, 2 struts and strut bolt kit
	77.5" Track	S-31901-2C	1	Standard black primer; includes a c-channel, 2 struts and strut bolt kit
5	STRUTS ²	B-30591	2	12" and 19" ride heights (NA with 6.5" - 9" RH)
6	C-CHANNEL BOLT-KIT	S-29822	1	2 screws and 2 prevailing torque nuts
7	STRUT BOLT-KIT	S-30720	1	6 screws and 6 prevailing torque nuts
8	WELD-ON C-CHANNEL			
	71.5" Track	C-27375-1	1	7" C-Channel
	77.5" Track	C-27375	1	7" C-Channel
9	AIR SPRING			
	Standard Pressure	S-23720	2	6.5" and 7.5" ride heights
		S-23613	2	8" and 9" ride heights
		S-23614	2	12" to 17" ride heights
	Low Pressure	S-23721	2	6.5" and 7.5" ride heights
		S-23611	2	8" and 9" ride heights
		S-23612	2	12" to 17" ride heights
10	AIR SPRING MOUNTING PLATE ³	S-20905	2	Weld-On
11	AIR SPRING FLEX PLATE	S-23294	2	Used as mounting plate for 6.5" and 7.5" RH
12	AIR SPRING SPACER			
	Plastic	B-22510-3	2	3-1/8", 15" and 16" ride heights
		B-22510-4	2	3/4", 14" ride height
	Steel (Weld-on)	D-27049-5	2	4-13/16", 17" ride height
13	AIR SPRING MOUNTING KIT			
	6.5" - 12" and 17" - 19" ride heights	S-22619/2	2	Standard frame thickness
	14" ride height	S-22630/2	2	Standard frame thickness
	15" and 16" ride heights	S-22632/2	2	Standard frame thickness
14	ALIGNMENT COLLARS			
	14a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	14b Concentric	S-20924	2	Pivot bolt hole is in center of collar
15	QUIK-ALIGN® PIVOT BOLT KIT ⁴	S-24705	2	Pivot bolt, nut and two washers.
16	TRI-FUNCTIONAL® PIVOT BUSHING KIT ^{4, 5}	S-26321	1	2 pivot bushings, 2 pivot bolts, nuts, washers, lube pack and bushing tube spacers.
17	BUSHING TUBE SPACERS	S-26807	4	
18	FRONT SHOCK ABSORBER			
	Standard	S-23651	2	6.5" - 9" ride heights
	Extended Service, High Damping	S-24579	2	6.5" - 9" ride heights
		S-25515	2	12" - 17" ride heights
19	REAR SHOCK ABSORBER (Not Shown)			
	Extended Service, High Damping	S-20345	2	6.5" - 7.5" ride heights
		S-25436	2	8" - 12" ride heights
		S-25437	2	14" - 17" ride heights

1. Options exist based on frame attachments, frame bracket style, bolt hole pattern and connection.

Contract Hendrickson for assistance, or refer to L1266 Frame Bracket Parts List.

2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.

3. Bolt-on air spring mounting plates exist. Please contact Hendrickson for assistance

4. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive) or S-24303 (3/4-inch).

5. Bushing tool S-24736 is required to correctly rebush the suspension.

NOTE: Identification can be found on the inside of the curbside beam assembly.



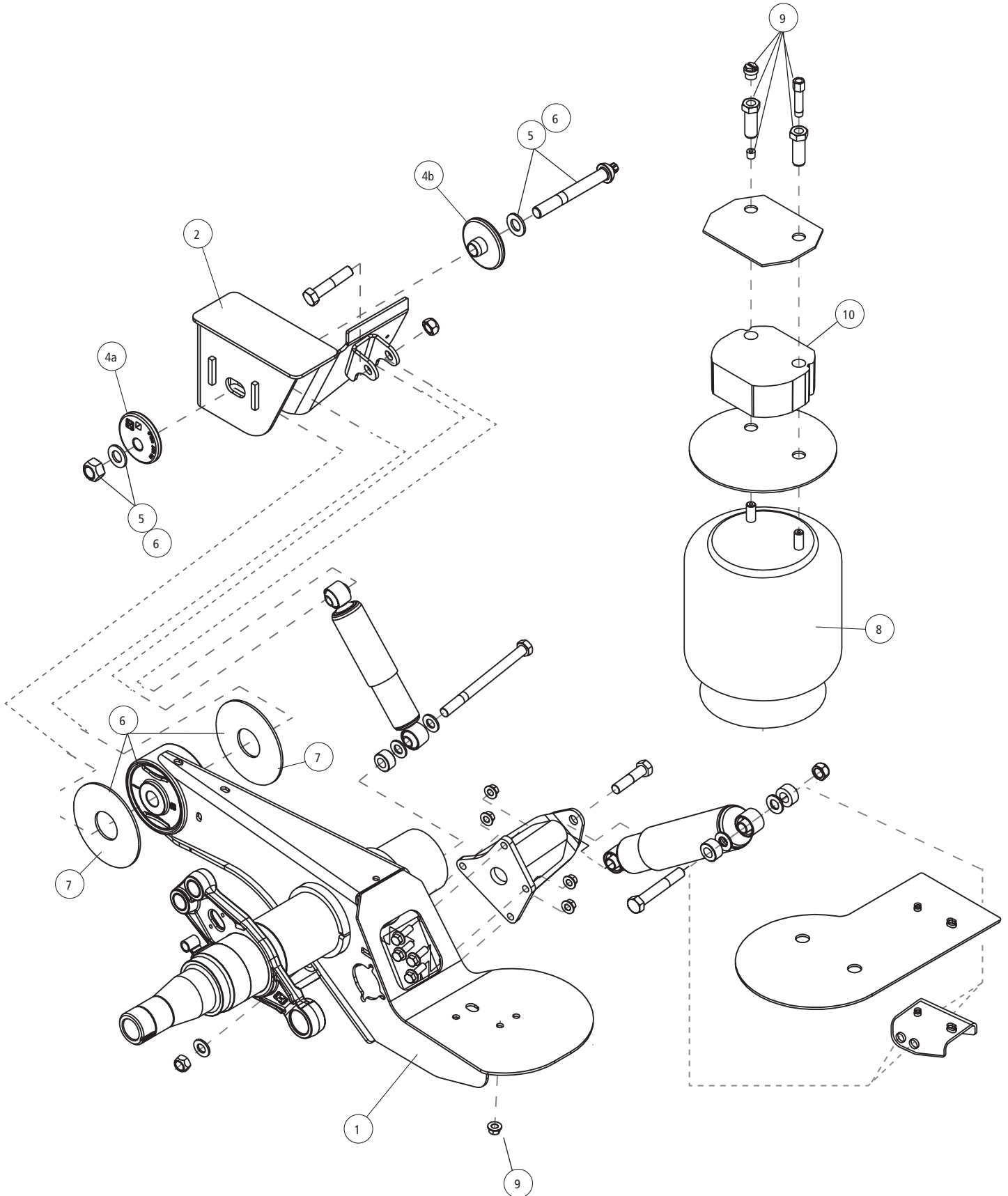
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
20	SHOCK BOLT KIT			
	20a Front Shock Absorber	S-29199/2	2	
	20b Rear Shock Absorber (Not Shown)	S-2157/2	2	
21	REAR UPPER SHOCK CLEVIS (Not Shown)			
	6.5" – 7.5", 12" and 15" – 17" ride heights	S-25420	2	
	8" – 9" and 14" ride heights	S-29967	2	
22	REAR SHOCK TOWER (Not Shown)			
	Roadside	S-36122-1	1	
	Curbside	S-36122-2	1	
23	REAR SHOCK TOWER BACKING PLATE (Not Shown)	S-34790	2	
24	REAR SHOCK TOWER BOLT KIT (Not Shown)	S-25449/2	2	4 flange screws and 4 prevailing torque hex nuts
25	AXLE FILTER KIT (Not Shown)			
	HP	S-24960	1	
	HN	S-24963	1	
26	SPINDLE NUT KIT (Not Shown)			
	HP	S-20475/2	2	
	HN	S-20492/2	2	



Primary Fixed Suspension System

INTRAAX® AANLS Low Ride Height Short Beam

L1050 - Suspension Components.....	80
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346



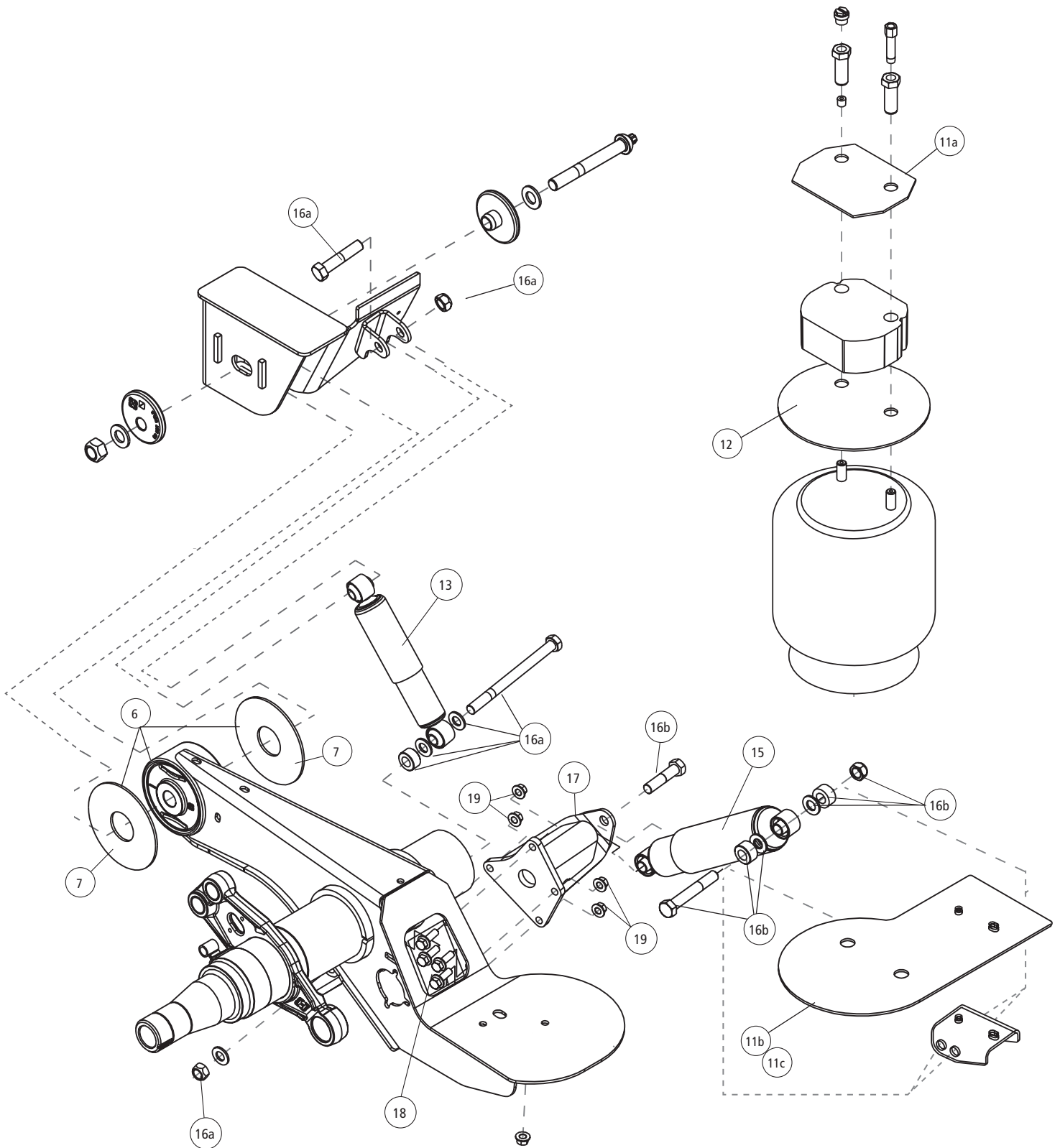


ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE/BEAM WELDMENT	HTRAAX.XXX	1	Contact Hendrickson for assistance
2	FRAME BRACKETS¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET (Not Shown)			
	Standard Mount	S-27330	1	
	Flush Mount	S-28516	1	
4	ALIGNMENT COLLARS			
	4a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	4b Concentric	S-20924	2	Pivot bolt hole is in center of collar
5	QUIK-ALIGN® PIVOT BOLT KIT³	S-24705	2	Includes 7" bolt, hex nut and (2) hardened washers
6	TRI-FUNCTIONAL® III BUSHING KIT^{2, 3}	S-26321	2	Includes (2) tri-functional bushings, (2) pivot bolt kits, (4) bushing tube spacers and lube packet
7	BUSHING TUBE SPACERS	S-26807	4	
8	AIR SPRING	S-23721	2	All ride heights
9	AIR SPRING MOUNTING KIT			
		S-22619/2	2	6.25" and 7" ride heights; no air spring spacer
		S-22632/2	2	9" and 12" ride heights; standard air spring spacer
		S-22630/2	2	6.25" and 7" ride height; thick frame .90" to 1.25" thickness
		S-22619/2	2	All ride heights with steel air spring spacer
10	AIR SPRING SPACER			
	Plastic Spacer	B-22510-3	2	9" and 12" ride heights
	Steel Spacer		1	9" and 12" ride heights
	Roadside	D-28398-2L		Use with extended service rear shock and
	Curbside	D-28398-2R		Narrow air spring centers
	Steel Spacer	D-28397	2	9" and 12" ride heights
				Use when unit has no rear shock

1. Other options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.

2. Bushing tool, S-24736, is required to correctly rebush the suspension.

3. Best installed with Hendrickson's E-20 socket S-24536 (i-inch drive) or S-24303 (3/4-inch drive).





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
11	AIR SPRING MOUNTING PLATE			
	11a Roadside Curbside	S-20905	2	9" and 12" ride heights Standard travel or limited rebound; Standard Air spring hardware; no rear shock
	11b Roadside Curbside	C-26157-1L C-26157-1R	1	All ride heights; narrow air spring centers Standard travel or limited rebound; Standard Air spring hardware; extended service rear shock
	11c Roadside Curbside	C-26157-2L C-26157-2R	1 1	All ride heights; Standard travel or limited rebound; Steel air spring spacer; Extended service rear shock
12	AIR SPRING FLEX PLATE	S-23294	2	All ride heights
13	FRONT SHOCK ABSORBER			
	6.25" - 9" ride heights	S-23651	2	Standard Duty
	12" ride height	S-23566	2	Standard Duty
	6.25" - 9" ride heights	S-24579	2	Extended Service / High Damping Shock
	12" ride height	S-24023	2	Extended Service / High Damping Shock
14	SHOCK STRAP (Not Shown)			Includes 2 shock straps, 2 clevis and 4 nylon ties
	6.25" - 9" Ride Height	C-23086-4	1	Use with S-23651 shock
	6.25" - 9" Ride Height	C-23086-8	1	Use with S-24579 shock
	12" Ride Height	C-23086-1	1	Use with S-23566 shock
	12" Ride Height	C-23086-2	1	Use with S-24023 shock
15	REAR SHOCK ABSORBER			
	6.25" and 7" Ride Heights	S-25515	2	
	9" Ride Height	S-23316	2	
16	SHOCK BOLT KITS			
	16a Front Shock Absorber	S-26154/2	2	1 kit required per shock
	16b Rear Shock Absorber	S-26161/2	2	
17	REAR SHOCK TOWER			
	Roadside	D-24807-1	1	
	Curbside	D-24807-2	1	
18	REAR SHOCK TOWER BOLT	SA-6900-24	8	
19	REAR SHOCK TOWER NUT	SA-7000-1	8	
20	REAR SHOCK TOWER BACKING PLATE (Not Shown)	S-37171	2	

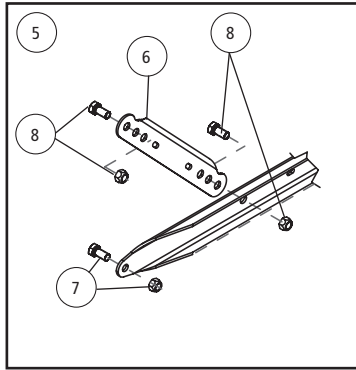
NOTE: Identification tag can be found on the inside of the curbside beam.



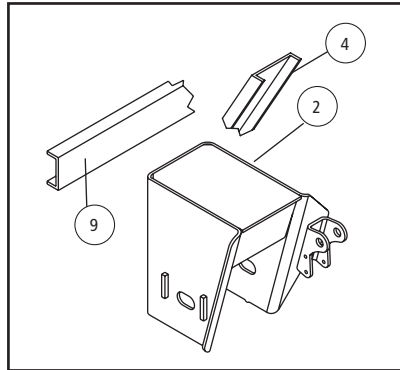
Primary Fixed Suspension System

INTRAAX® AAEDT/AAEDL Extreme-Duty

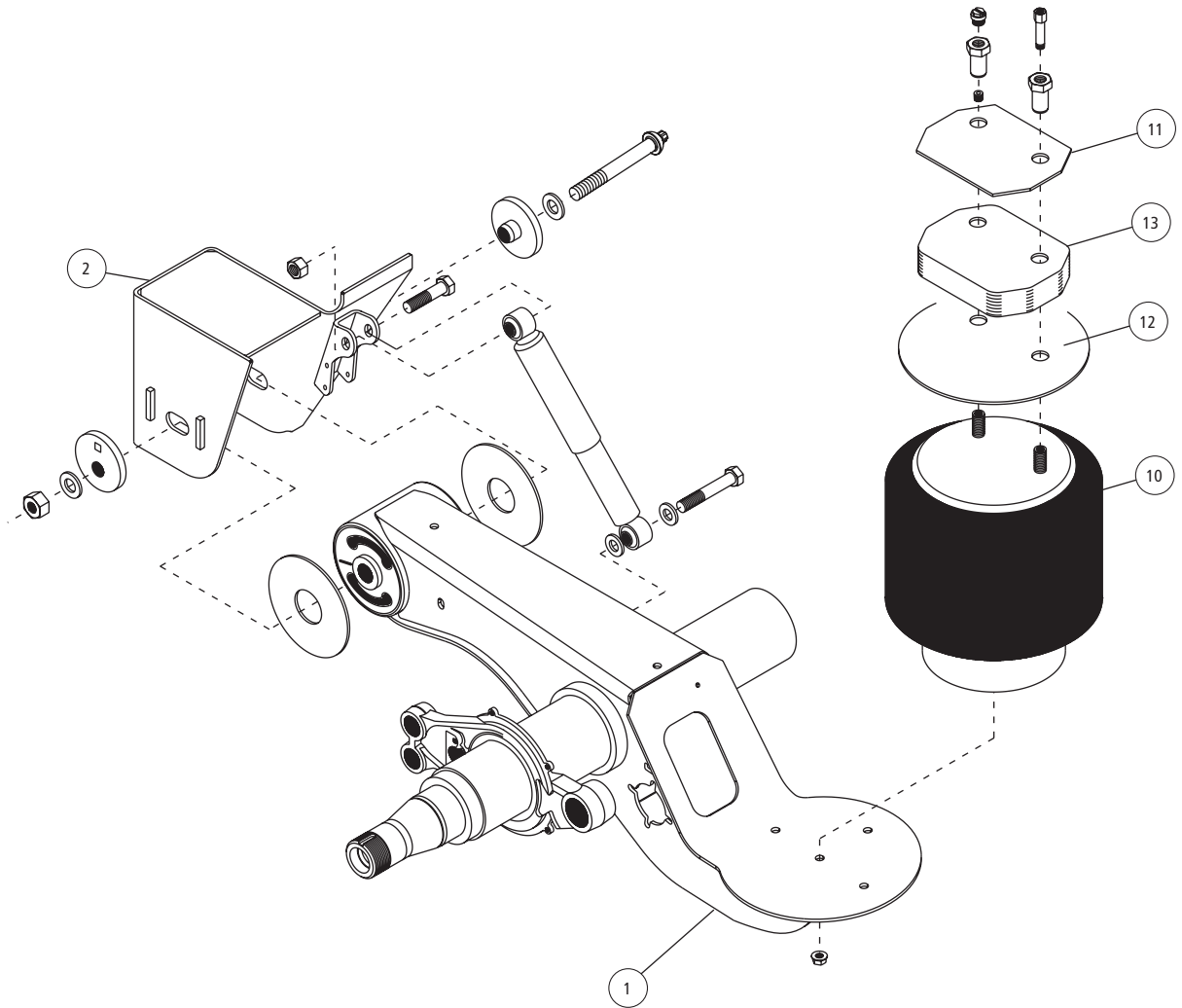
L1058 - Suspension Components.....	86
L1059 - Suspension Components.....	91
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346



Bolt-on C-Channel



Wingless, weld-on frame bracket with
QUIK-ALIGN®

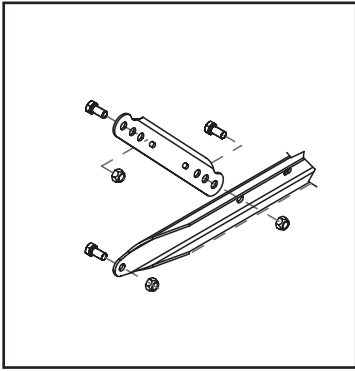




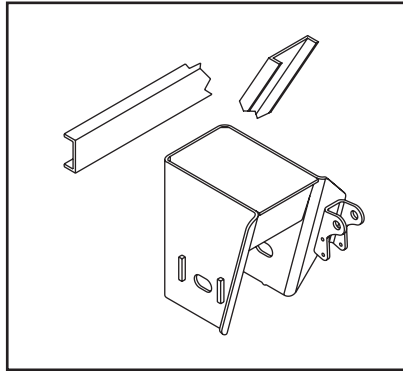
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE/BEAM WELDMENT	HTRAAX.XXX	1	Contact Hendrickson for assistance
2	FRAME BRACKET ¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET (Not shown)	S-27330	2	14" and 15" ride heights
4	FRAME BRACKET BRACE	B-2347-7	1	16" and 17" ride heights
5	BOLT-ON C-CHANNEL KIT ²			
	71.5" Track	S-31901-3C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit
	77.5" Track	S-31901-1C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit
6	STRUT ²	B-30591	2	
7	C-CHANNEL BOLT KIT	S-29822	1	Includes 2 screws and 2 prevailing torque nuts
8	STRUT BOLT KIT	S-30720	1	Includes 6 screws and 6 prevailing torque nuts
9	WELD-ON C-CHANNEL			
	71.5" - 77.5" Tracks	A-1631-19	1	3-inch c-channel
	83.5" - 85" Tracks	A-1631-35	1	3-inch c-channel
10	AIR SPRING (Standard Pressure)			
	9" ride height	S-24445	2	
	12" - 19" ride heights	S-24446	2	
11	AIR SPRING MOUNTING PLATE			
	Weld-on	S-20905	2	12" - 19" ride heights; standard air spring mounting plate
	Bolt-on ³	B-21145	2	13.5" - 19" ride heights; standard air spring mounting plate
		B-21715	2	13.5" - 19" ride heights; pattern 1 air spring mounting plate
		B-22390	2	13.5" - 19" ride heights; pattern 2 air spring mounting plate
		B-27264	2	13.5" - 19" ride heights; pattern 3 air spring mounting plate
12	AIR SPRING FLEX PLATE			
	Weld-on	S-23294	2	9" to 19" ride heights
	Bolt-on	B-24813	2	9" and 12" ride heights
		S-23294	2	14" to 19" ride heights
13	AIR SPRING SPACER ⁴			
	14" ride height	B-22510-4	2	Weld-on and bolt-on hangers
	15" and 16" ride heights	B-22510-3	2	Weld-on and bolt-on hangers; Standard air spring mount
	15" and 16" ride heights	D-27049-8	2	Weld-on hangers; Thick 0.9" to 1.25" air spring mount
	17" ride height	D-27049-5	2	Weld-on hangers
	19" ride height	D-27049-4	2	Weld-on hangers

- Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.
- Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.
- Please see INTRAAX Bolt-on Mounting Drawing, D-26651, for assistance in pattern selection. This drawing can be found in the literature section of the Hendrickson website (www.hendrickson-intl.com).
- Other options exist. Contact Hendrickson for assistance.

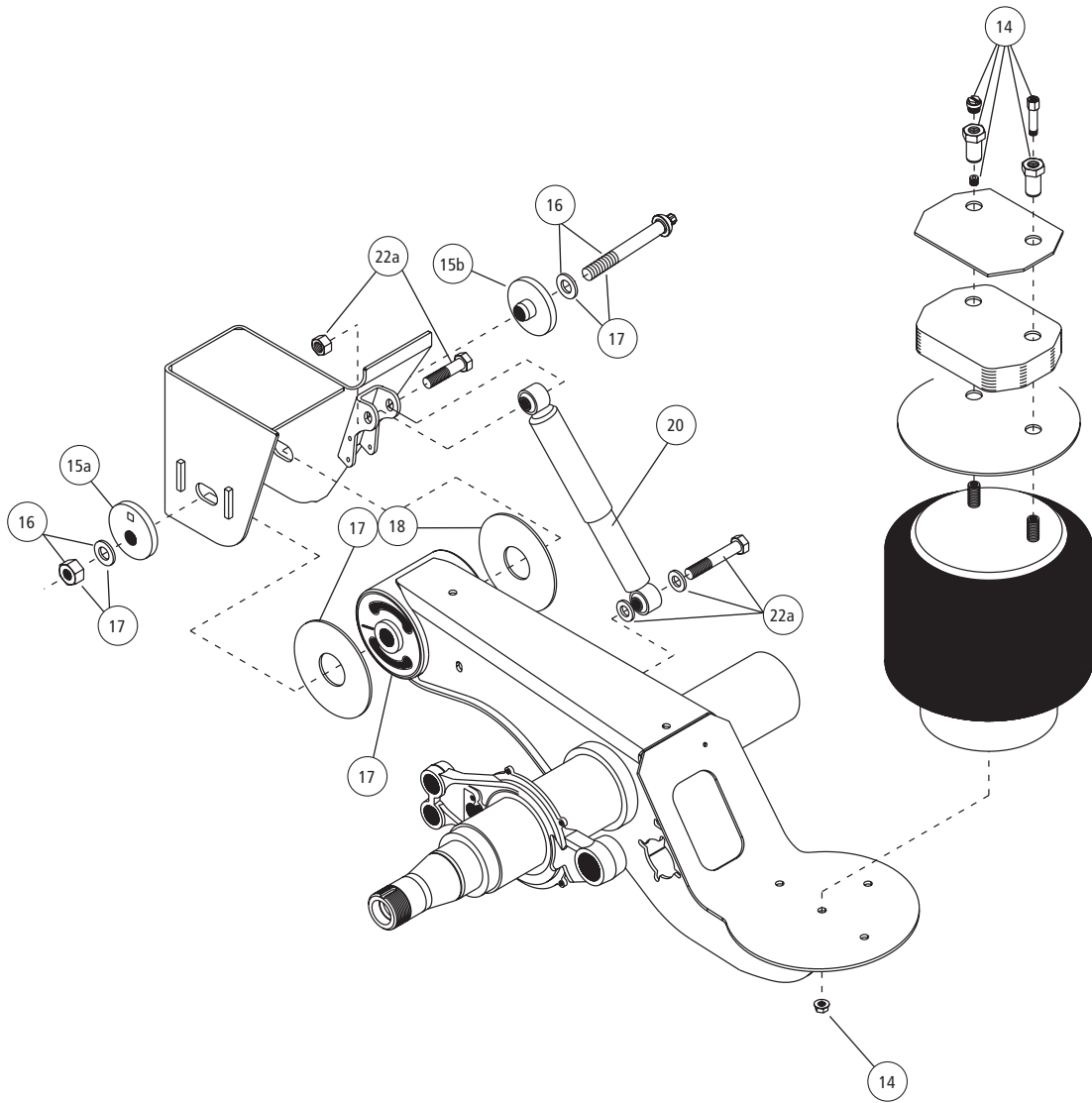
Note: Identification tag can be found on the inside of the curbside beam.



Bolt-on C-Channel



Wingless, weld-on frame bracket with
QUIK-ALIGN®





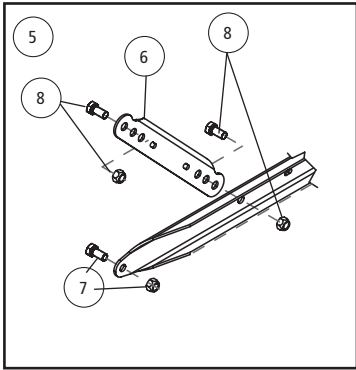
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
14	AIR SPRING MOUNTING KIT			One (1) kit per air spring
	Standard travel			
	9" - 12" ride heights	S-25452/2	2	
	14" ride height	S-25453/2	2	
	15" - 16" ride heights	S-25455/2	2	
	17" - 19" ride heights	S-25452/2	2	
	Standard travel — Thick .90 - 1.25" Frame			
	9" - 12" ride heights — Thick .90 - 1.25" Frame	S-25453/2	2	
	14" ride height	S-25454/2	2	
	15" - 16" ride heights	S-25452/2	2	
	Limited jounce			
	9" - 12" ride heights — Thick .90 - 1.25" Frame	S-25454/2	2	
	14" ride height	S-25455/2	2	
	15" - 19" ride heights	S-25452/2	2	
	Limited jounce — Thick .90 - 1.25" Frame			
	14" ride height	S-25455/2	2	
15	ALIGNMENT COLLARS			
	15a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	15b Concentric	S-20924	2	Pivot bolt hole is in center of collar
16	QUIK-ALIGN® PIVOT BOLT KIT⁵	S-24679	2	Includes 10" bolt, hexnut and (2) hardened washers
17	TRI-FUNCTIONAL® BUSHING KIT^{5, 6}	S-24691	2	Includes (1) TRI-FUNCTIONAL Bushing, (1) pivot bolt kit (Item 11), (2) bushing tube spacers and lube packet
18	BUSHING TUBE SPACERS	S-21099	4	
19	BUSHING TUBE SPACER KIT (Not shown)	S-26369	2	Includes (2) standard bushing tube spacers, 10" shear-type bolt, hex nut and hardened washers - not available in high control
20	FRONT SHOCK ABSORBER			Extended service / High damping
	9" ride height	S-24579	2	
	12" ride height	S-24023	2	
	14" - 19" ride heights	S-23316	2	
21	REAR SHOCK ABSORBER (Not shown)			
	9" - 12" ride heights	S-25436	2	
	14" - 17" ride heights	S-25437	2	
22	SHOCK BOLT KIT			(1) One kit per shock
	22a Front shock absorber	S-24757/2	2	
	22b Rear shock absorber (Not shown)	S-2157/2	2	

5. Best installed with Hendrickson's E-20 Socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve), or S-24303 (3/4 inch drive sleeveless).

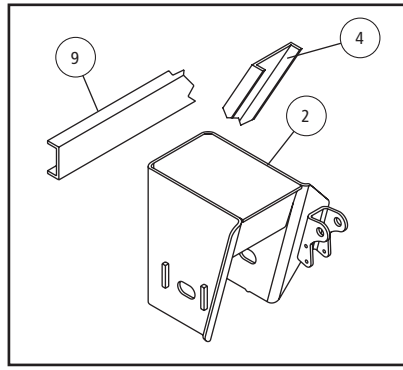
6. Bushing tool (S-21307) is required to correctly rebush the suspension.



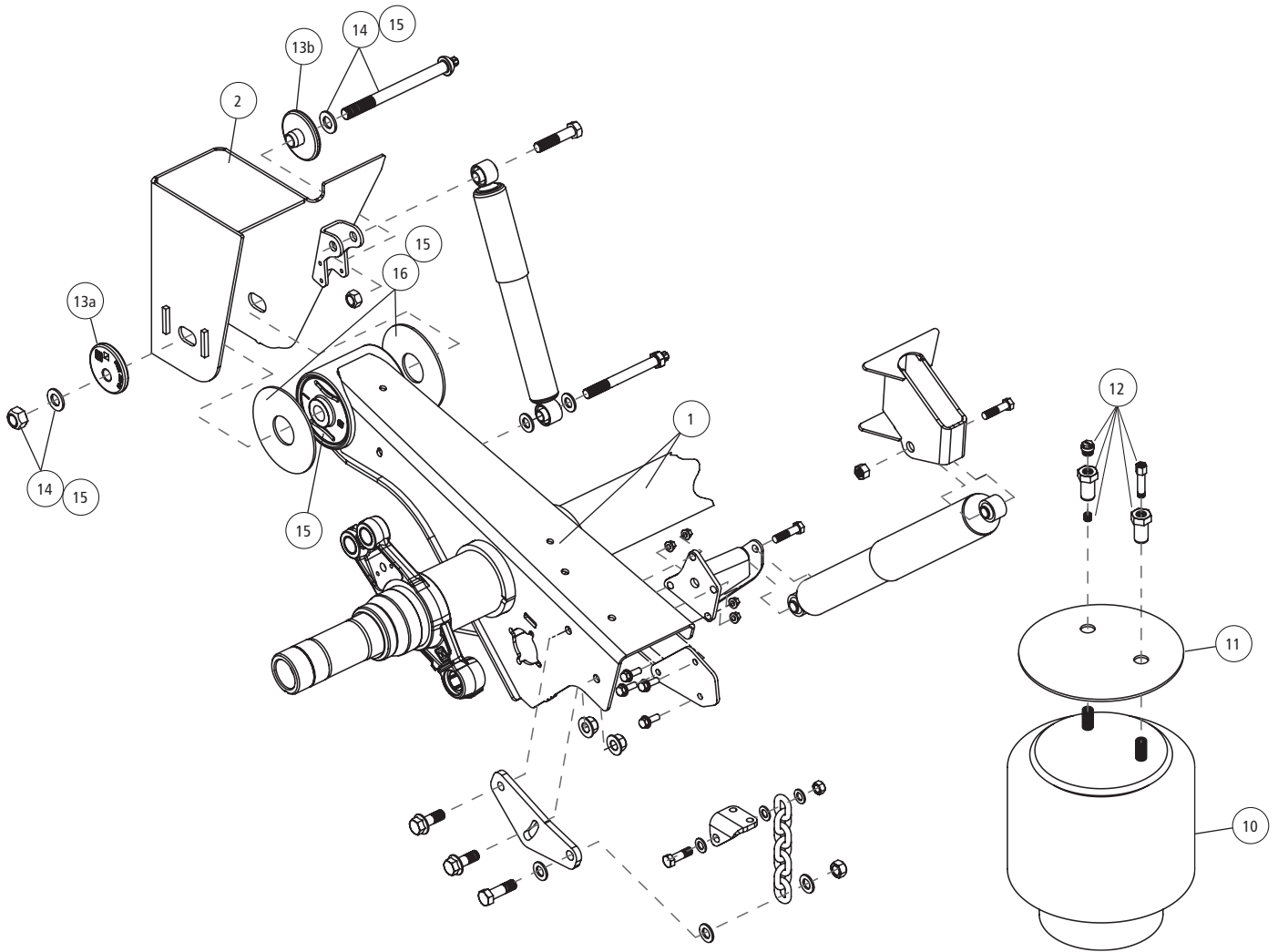
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
REBOUND LIMITER COMPONENTS — Not Shown				
23	REBOUND LIMITER CHAIN			
	9" ride height	SA-9600-10	2	10 links
	12" ride height	SA-9600-12	2	12 links
	14" - 17" ride heights	SA-9600-14	2	14 links
	19" ride height	SA-9600-16	2	16 links
24	CHAIN BRACKET FLANGED BOLT	SA-6900-18	2	
		SA-6900-20	4	
25	CHAIN BRACKET FLANGED NUT	SA-7000-2	2	
		SA-7000-6	4	
26	ADJUSTMENT BRACKET	C-25426	2	
27	ADJUSTMENT ARM	B-25270	2	
28	ADJUSTMENT ARM JAM NUT	SA-3300-2	2	
29	LOWER CHAIN BRACKET (L)	C-25271-1	1	
30	LOWER CHAIN BRACKET (R)	C-25271-2	1	
31	CHAIN BRACKET BOLT	SA-1000-31	6	
32	CHAIN BRACKET NUT	SA-8900-3	6	
33	CHAIN BRACKET WASHER	SA-1500-6	12	



Bolt-on C-Channel



Wingless, weld-on frame bracket with
QUIK-ALIGN®

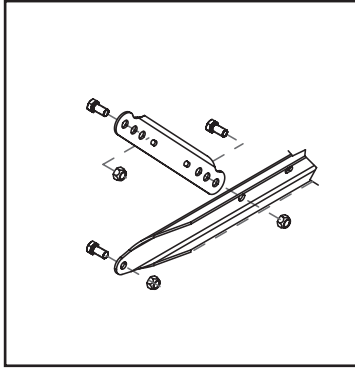




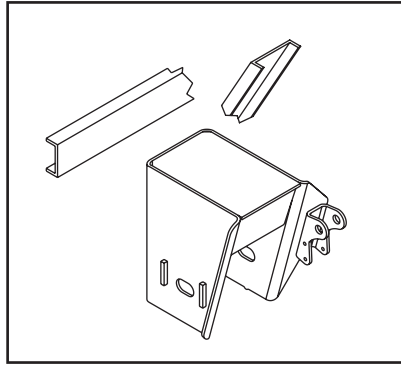
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE/BEAM WELDMENT	HTRAAX.XXX	1	Contact Hendrickson for assistance
2	FRAME BRACKET¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET (Not shown)	S-27330	2	14" and 15" ride heights
4	FRAME BRACKET BRACE	B-2347-7	1	16" and 17" ride heights
5	BOLT-ON C-CHANNEL KIT²			
	71.5" Track	S-31901-3C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit
	77.5" Track	S-31901-1C	1	Standard/black primer; includes c-channel, 2 struts and strut bolt kit
6	STRUT²	B-30591	2	
7	C-CHANNEL BOLT KIT	S-29822	1	Includes 2 screws and 2 prevailing torque nuts
8	STRUT BOLT KIT	S-30720	1	Includes 6 screws and 6 prevailing torque nuts
9	WELD-ON C-CHANNEL			
	71.5" - 77.5" Tracks	A-1631-19	1	13.5" to 19" ride heights
	83.5" - 85" Tracks	A-1631-35	1	13.5" to 19" ride heights
10	AIR SPRING	S-25319	2	Use to replace C-25319
11	AIR SPRING FLEX PLATE			
	Weld-on	S-23294	2	
	Bolt-on	B-24813	2	14" to 17" ride heights
		S-23294	2	18" to 19" ride heights
12	AIR SPRING MOUNTING KIT (One per air spring)			
	Standard Frame	S-25339/2	2	
	Thick .09" to 1.25" Frame	S-25453/2	2	
13	ALIGNMENT COLLARS			
	13a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	13b Concentric	S-20924	2	Pivot bolt hole is in center of collar
14	QUIK-ALIGN® PIVOT BOLT KIT³			
	14a Pivot bolt kit	S-24679	2	Includes 10" shear-type bolt, nut and washers
	Standard	S-26369	2	Includes 10" shear-type bolt, nut, washers, and std. bushing tube spacer (Item 16)
	Off-Highway	S-40394-1	2	Includes 10" shear-type bolt, nut, washers, and off-highway bushing tube spacers (Item 16)
	14c Pivot bolt kit w/alignment collars	S-24680	2	Includes 10" shear-type bolt, nut, washers and alignment collars
15	TRI-FUNCTIONAL® BUSHING KIT^{3,4}			
	Standard	S-24691	2	Includes bushing, pivot bolt kit (Item 14a), std. bushing tube spacer (Item 16) and lube
	Off-Highway	S-40393-1	2	Includes bushing, pivot bolt kit (Item 14a), off-highway bushing tube spacers (Item 16) and lube
	Standard pivot bushing kit w/alignment collars	S-28654	1	Includes 2 bushings, 2 pivot bolt kits (Item 14a), std. bushing tube spacers (Item 16) and lube
16	BUSHING TUBE SPACERS			4 required per axle
	Standard	S-21099	4	
	Off-Highway	S-40230-1	4	

1. Other options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Brackets Parts List.
2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.
3. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve) or S-24303 (3/4-inch drive sleeveless). Hendrickson recommends S-25119.
4. Bushing tool S-21307 is required to correctly rebush the suspension.

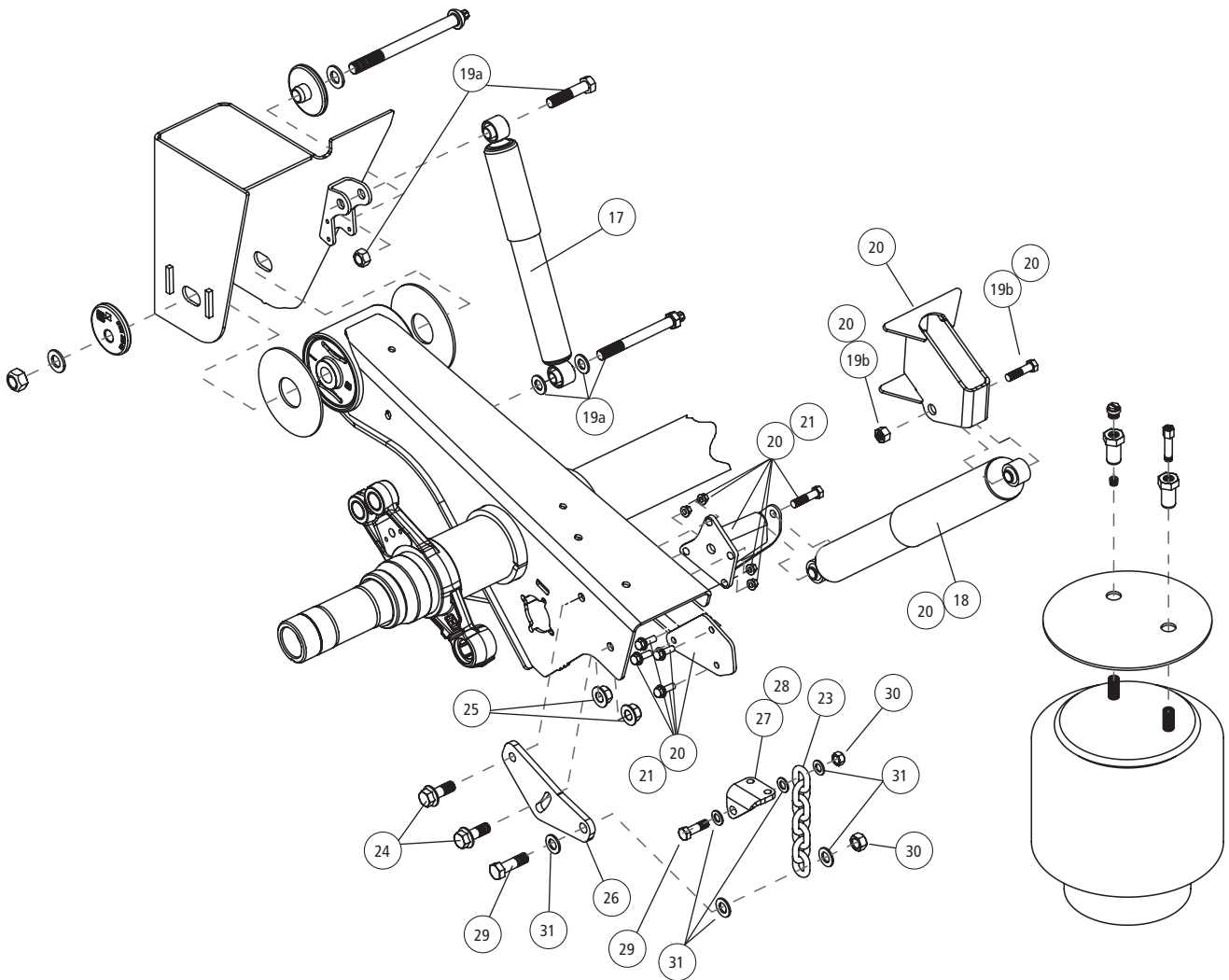
Note: Identification tag can be found on the inside of the curbside beam.



Bolt-on C-Channel



Wingless, weld-on frame bracket with
QUIK-ALIGN®





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
17	FRONT SHOCK ABSORBER (Extended service / High damping)			
	14" ride height	S-23316	2	
	15" and 17" ride height	S-25515	2	
18	REAR SHOCK ABSORBER	S-25436	2	14" and 15" ride heights
	14" and 15" ride height	S-25436	2	
	16" and 17" ride height	S-25512	2	
19	SHOCK BOLT KIT (One per shock)			
	19a Front shock absorber	S-24757/2	2	
	19b Rear shock absorber	S-2157/2	2	
20	REAR SHOCK RETROFIT KIT			
	14" and 15" ride height	S-26428	1	
	16" and 17" ride height	S-26429	1	
21	REAR SHOCK TOWER REPLACEMENT			
	Roadside	S-26426	1	
	Curbside	S-26427	1	
22	SHOCK STRAP (Not shown)			
	14" ride height	C-24041-3		Includes 2 straps, 2 clevis and 4 nylon ties
	15" - 17" ride heights	C-24041-12		Same as above

REBOUND LIMITER COMPONENTS

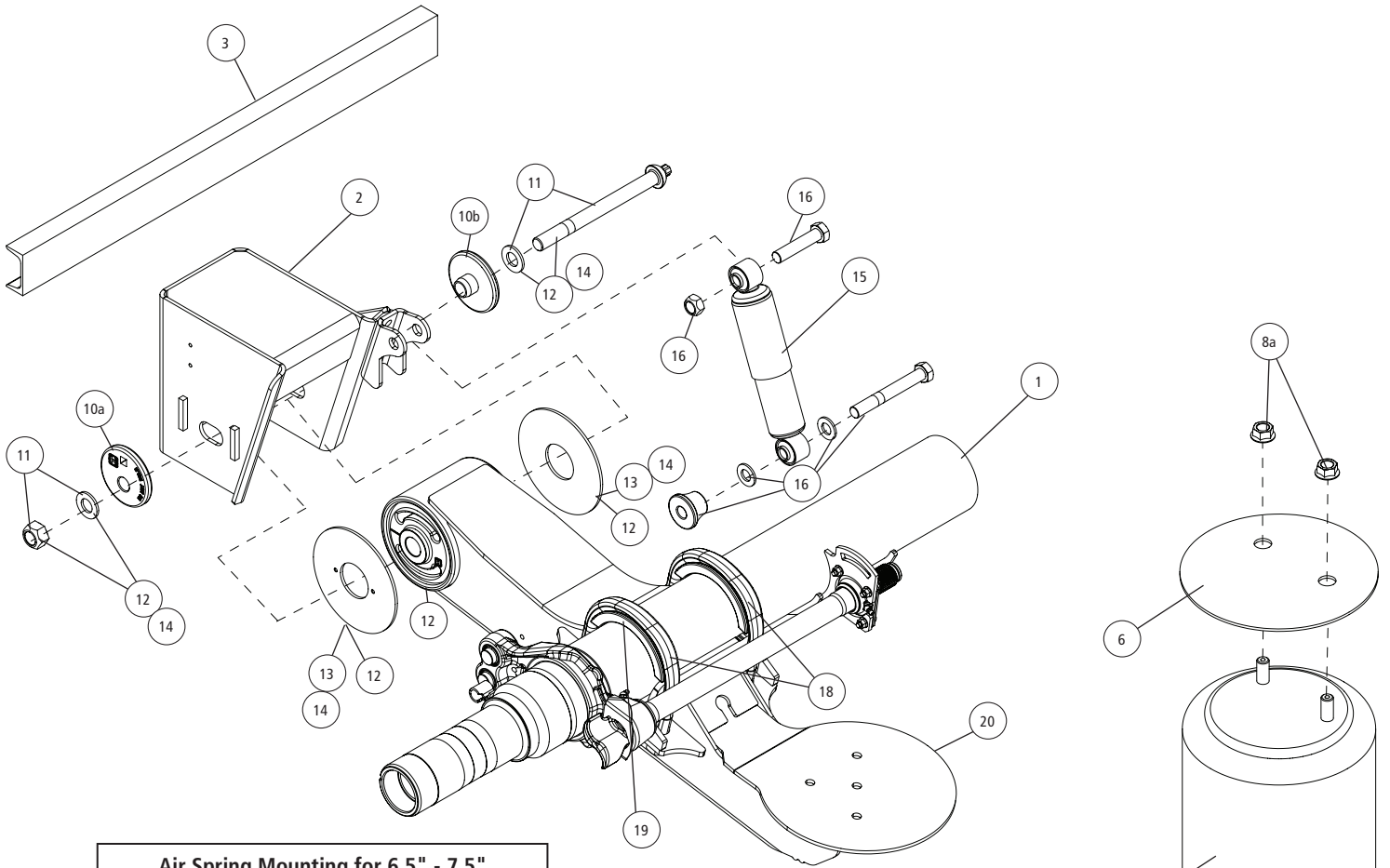
23	REBOUND LIMITER CHAIN			
	15" ride height	SA-9600-13	2	13 links
	14", 16", 17" ride heights	SA-9600-15	2	15 links
	19" ride height	SA-9600-17	2	17 links
24	CHAIN BRACKET FLANGED BOLT	SA-6900-20	4	
25	CHAIN BRACKET FLANGED NUT	SA-7000-6	4	
26	LOWER CHAIN BRACKET	B-25333	2	
27	UPPER CHAIN BRACKET (L)	C-25271-1	1	
28	UPPER CHAIN BRACKET (R)	C-25271-2	1	
29	CHAIN BRACKET BOLT	SA-1000-31	4	
30	CHAIN BRACKET NUT	SA-8900-3	4	
31	CHAIN BRACKET WASHER	SA-1500-6	12	



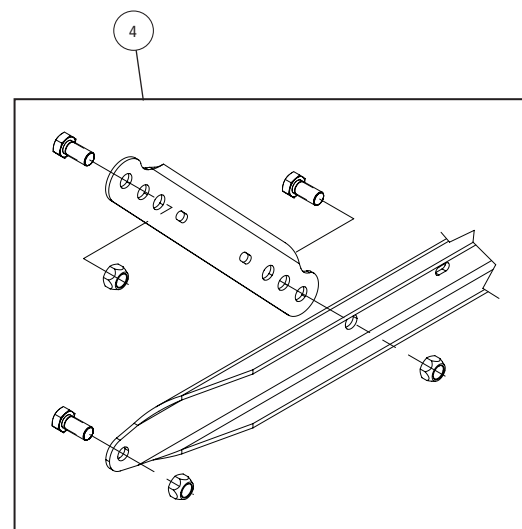
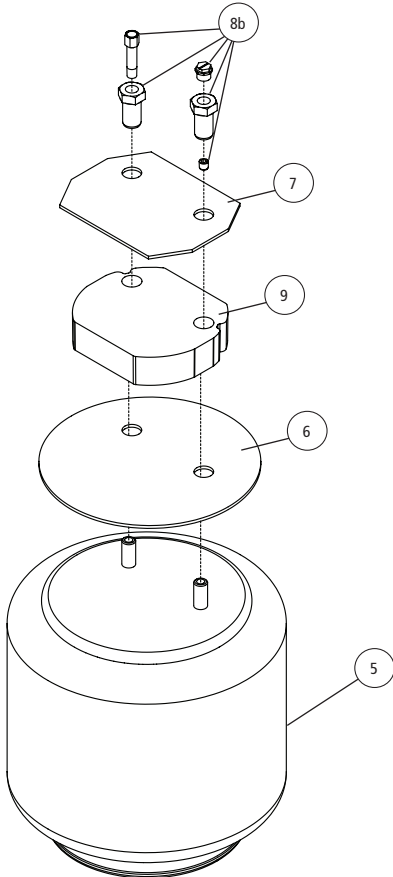
Primary Fixed Suspension System

CONNEX[®] Unitized Trailer Air Suspension System

L1280 - Suspension Components.....	96
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL [®] Wheel-End Packages & Air Disc Brake Components.....	346



**Air Spring Mounting for 6.5" - 7.5"
Ride Heights; Limited Jounce**





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE / BEAM WELDMENT		1	Contact Hendrickson for assistance
2	FRAME BRACKET ¹		2	See Frame Bracket Parts List
3	WELD-ON C-CHANNEL	S-1631-19	1	
4	BOLT-ON C-CHANNEL KIT ²			Includes: channel, struts and hardware
	41.0" suspension beam center	S-31901-1	1	
	35.0" suspension beam center	S-31901-3	1	
5	AIR SPRING			
	23K			
	Standard dual combo stud	S-23720	2	5.5" & 6.5" ride heights
		S-23613	2	7.5" & 9.0" ride heights
	Rotated single combo stud	S-20413	2	5.5" - 9.0" ride heights
	25K			
	Standard dual combo stud	S-23721	2	5.5" & 6.5" ride heights
		S-23611	2	7.5" & 9.0" ride heights
	Rotated single combo stud	S-20414	2	5.5" - 9.0" ride heights
6	AIR SPRING FLEX PLATE			
	Weld-on			
	Standard dual combo stud	S-23294	2	5.5" - 6.5" ride heights; Standard travel & 6.5" - 7.5" limited jounce
	Rotated single combo stud	S-21209	2	5.5" - 9.0" ride height
	Limited jounce dual combo stud	S-23294	2	6.5" - 7.5" ride heights; Use with S-22510-2 air spring spacer only
	Bolt-on			
	Standard pattern	B-24813	2	5.5" & 6.5" ride heights; Standard travel
	Pattern #2	B-24812	2	5.5" & 6.5" ride heights; Standard travel
7	AIR SPRING MOUNTING PLATE	S-20905	2	Use with S-22510-2 air spring spacer only
8	AIR SPRING MOUNTING KIT			
	8a Standard travel			
	Standard dual combo stud	S-22619/2	2	5.5" - 9.0" ride height
	Rotated single combo stud	S-20033/2	2	5.5" - 9.0" ride height
	8b Limited jounce			
	Standard dual combo stud	S-22631/2	2	Use with S-22510-2 air spring spacer only
9	AIR SPRING SPACER	S-22510-2	2	6.5" - 7.5" ride heights; Limited jounce
10	ALIGNMENT COLLARS			
	10a Eccentric	S-20925	2	Alignment hole is off center
	10b Concentric	S-20924	2	Alignment hole is centered
11	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	2	Includes: round head bolt, hardened washers & prevailing torque hex nut
12	TRI-FUNCTIONAL® II BUSHING KIT ³	S-24691	2	Includes: bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube
13	BUSHING TUBE SPACER	S-21099	4	
14	BUSHING TUBE SPACER KIT	S-26369	2	Includes: round head bolt, hardened washers, prevailing torque hex nut and bushing tube spacers

1. Options exist based on frame attachment, frame bracket style, bolt hole pattern and coating. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.

2. Bolt-on C-channel Kits are only optional for bolt-on frame brackets; Options exist for galvanized kits.

3. Bushing tool S-21307 is required to correctly rebush the suspension.

NOTE: Identification tag can be found on the inside of the curbside beam.



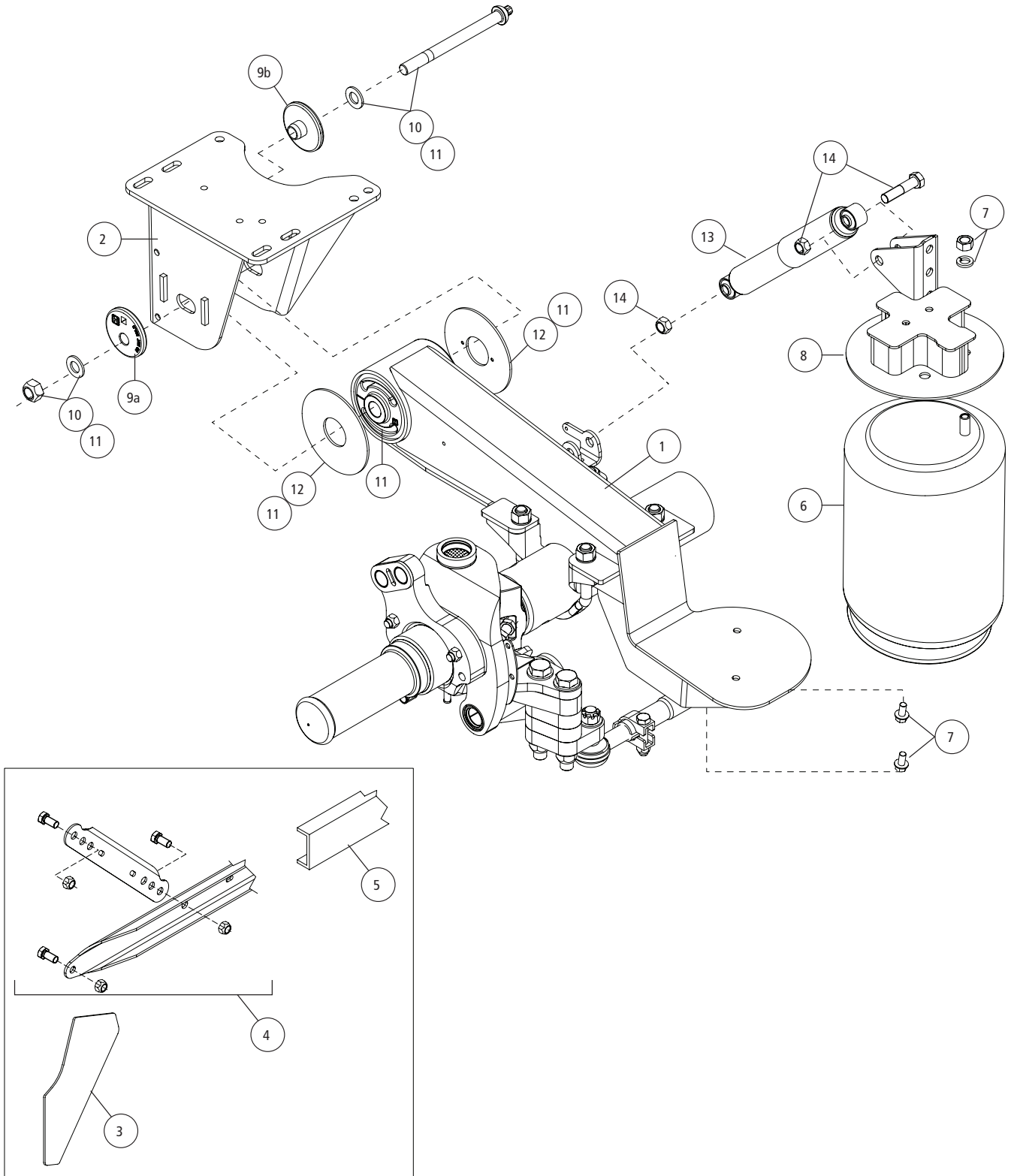
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
15	SHOCK ABSORBER			Reference L1287 for shock part numbers and shock straps
16	SHOCK BOLT KIT	S-24024	2	One (1) shock bolt kit is required per shock
17	LOWER SHOCK BOLT KIT (not shown)	S-23642	2	One (1) shock bolt kit is required per shock
18	U-BOLT KIT			
	12.25" Brakes	S-22894/4	4	Includes: (1) flattened U-bolt and hardware; axle spacer is needed with flattened U-bolt; For 12.25" brakes only
	16.50" Brakes	S-21140/4	4	Includes: (1) coined U-bolt and hardware; For 16.5" brakes only
19	AXLE SPACER	S-20701	4	Must order with U-Bolt Kit (item #20); For 12.25" brakes only
20	BEAM ASSEMBLY			
	Roadside	S-24186-1	1	
	Curbside	S-24186-2	1	



Primary Fixed Suspension System

CONNEX[®] ST

L1277 - Suspension Components.....	100
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL [®] Wheel-End Packages & Air Disc Brake Components.....	346





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AXLE / BEAM WELDMENT		1	Contact Hendrickson for assistance
2	FRAME BRACKET ¹		2	See L1266 Frame Bracket Parts List
3	FRAME BRACKET GUSSET	S-27330	2	Winged Weld-On Frame Brackets only
4	BOLT-ON C-CHANNEL KIT ²		1	
	28.5" beam center	S-31901-6	1	
	30.0" beam center	S-31901-7	1	
	32.5" beam center	S-31901-8	1	
	36.0" beam center	S-31901-10	1	
	36.5" beam center	S-31901-5	1	
	37.5" beam center	S-31901-11	1	
	38.5" beam center	S-31901-12	1	
	39.5" beam center	S-31901-13	1	
5	WELD-ON C-CHANNEL			
	28.5" - 32.5" suspension beam center	A-1631-16	1	
	32.5" - 39.5" suspension beam center	A-1631-19	1	
6	AIR SPRING			
	Standard	S-20124	2	
	Low Pressure	S-20127	2	
7	AIR SPRING MOUNTING KIT	S-20033/2	2	Includes: 2 flanged screws, 1 hex nut and 1 lock washer
8	AIR SPRING SHOCK MOUNT			
	BOLT-ON³			
	13" - 14" ride height	S-36248-L/R	1	No spacer just .25" plate and shock mount
	15" ride height	S-36248-1L/-1R	1	1.19" spacer/plate height and shock mount
	16" ride height	S-36248-2L/-2R	1	2.19" spacer/plate height and shock mount
	17" ride height	S-36248-3L/-3R	1	3.19" spacer/plate height and shock mount
	18" ride height	S-36248-4L/-4R	1	4.19" spacer/plate height and shock mount
	19" ride height	S-36248-5L/-5R	1	5.19" spacer/plate height and shock mount
	WELD-ON			
	13" - 14" ride height	C-21216-1C/-2C	1	No spacer just .19" plate and shock mount
	15" ride height	C-21217-1C/-2C	1	1.00" spacer/plate height and shock mount
	16" ride height	C-21218-1C/-2C	1	2.00" spacer/plate height and shock mount
	17" ride height	C-21219-1C/-2C	1	3.00" spacer/plate height and shock mount
	18" ride height	C-25932-1C/-2C	1	4.00" spacer/plate height and shock mount
	19" ride height	C-21223-1C/-2C	1	5.00" spacer/plate height and shock mount
9	ALIGNMENT COLLARS			
	9a Eccentric	S-20925	2	Pivot bolt hole is offset from center of collar
	9b Concentric	S-20924	2	Pivot bolt hole is in center of collar
10	QUIK-ALIGN® PIVOT BOLT KIT ⁴	S-24679	2	Includes: Bolt, hex nut and 2 hardened washers
11	TRI-FUNCTIONAL® BUSHING KIT ⁵	S-24691	2	Includes: 1 TRI-FUNCTIONAL Bushing, 1 pivot bolt kit, 2 bushing tube spacers and lube packet
12	BUSHING TUBE SPACERS	S-21099	4	
13	SHOCK ABSORBER		2	See L1287 Shock and Shock Strap Parts List
14	SHOCK BOLT KIT	S-20031/2	2	One kit per shock
15	SHOCK STRAP KIT (Not Shown)		1	See L1287 Shock and Shock Strap Parts List

1. Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket Parts List.

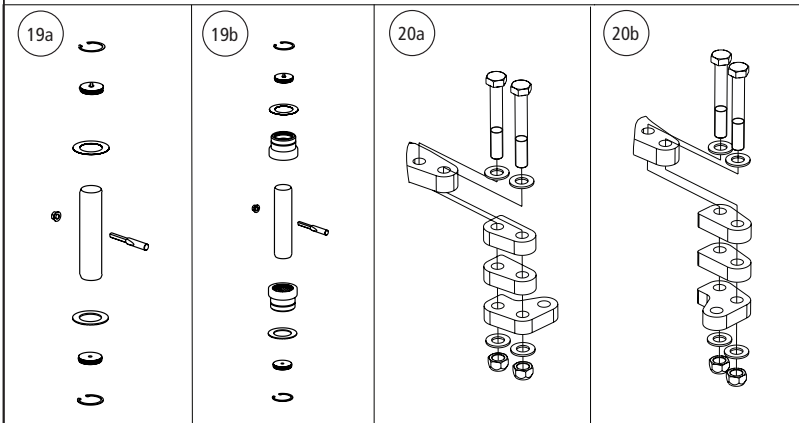
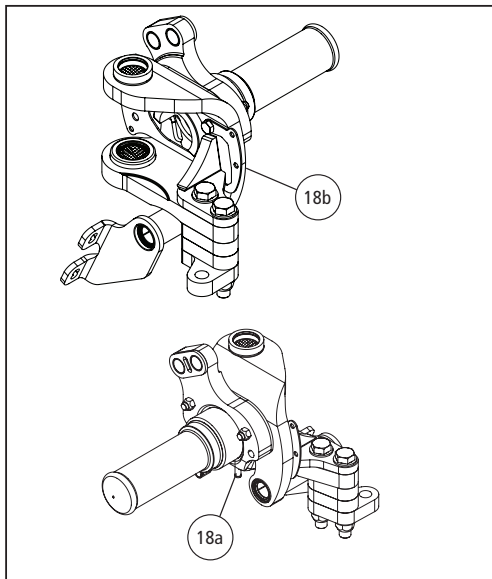
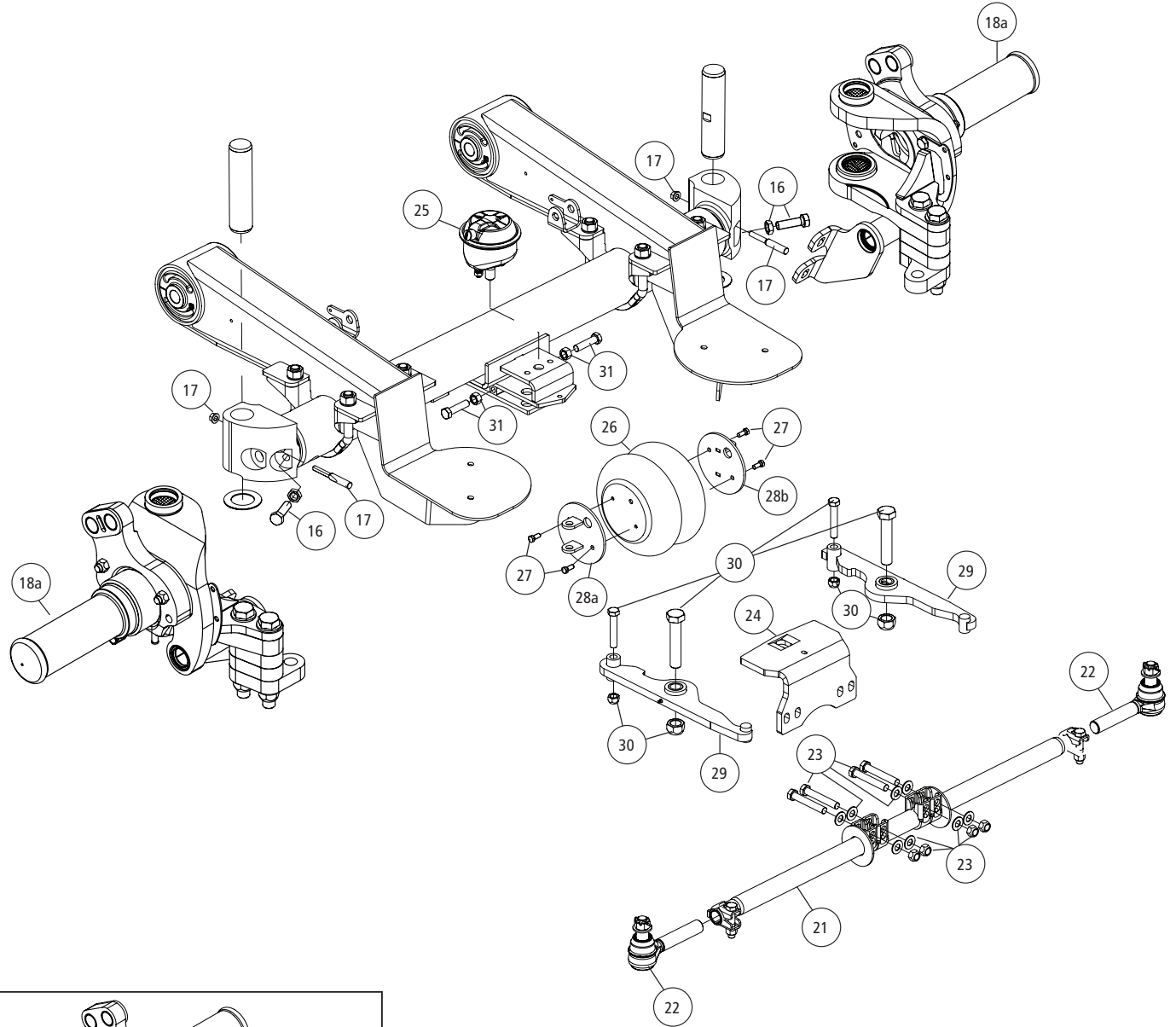
2. Bolt-on c-channel struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.

3. Other options exist for galvanized. Contact Hendrickson for assistance.

4. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve) or S-24303 (3/4-inch drive sleeveless).

5. Bushing tool S-21307 is required to correctly rebush the suspension.

NOTE: Identification tag can be found on the inside of the curbside beam.





STEER AXLE COMPONENTS

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
16	STOP BOLT KIT	S-38970-1	2	1 kit per side
17	DRAW KEY KIT	S-38971-1	2	1 kit per side
18	KNUCKLE ASSEMBLY			Includes: Tie rod mount kits, bushings and seals only
18a	Roadside			
	Standard	S-40342-1	1	
	TIREMAAX® Prepped	S-40342-1T	1	
18b	Curbside			
	Standard	S-40342-2	1	
	TIREMAAX Prepped	S-40342-2T	1	
19	KINGPIN KITS			
19a	Kingpin Replacement Kit	S-38972-1	2	Includes: Draw key kit, kingpin, thrust washer, cap, shims and retaining ring
19b	Kingpin Housing Kit	S-38972-11	2	Includes: Draw Key kit, cap and retaining rings, thrust washer, shims and kingpin Kingpin Housings includes: bushings and seals
19c	Knuckle Shims (Not Shown)	S-40344	2	
20	TIE ROD MOUNT KIT			
20a	Roadside	S-38973-1L	1	For units built before September 2020; includes tie rod mount, spacers and hardware
20b	Curbside	S-38973-1R	1	For units built before September 2020; includes tie rod mount, spacers and hardware
20c	Roadside	S-38973-2L	1	For units built after September 2020; includes tie rod mount, spacers and hardware
20d	Curbside	S-38973-2R	1	For units built after September 2020; includes tie rod mount, spacers and hardware
21	TIE ROD ASSEMBLY			
	Axle Track 77.5	S-37487-2	1	Includes: Tie rod, center bracket clamps, Tie rod ends, castle nut, cotter pin and washer
	Axle Track 80.0 and 83.5	S-37487-3	1	Includes: Tie rod, center bracket clamps, tie rod ends, castle nut, cotter pin and washer
	Axle Track 84.0, 85.0 and 86.0	S-37487-4	1	Includes: Tie rod, center bracket clamps, tie rod ends, castle nut, cotter pin and washer
22	TIE ROD END			
22a	Lefthand Thread	S-38081-1L	1	Includes: Tie rod end, castle nut, cotter pin and washer
22b	Righthand Thread	S-38081-1R	1	Includes: Tie rod end, castle nut, cotter pin and washer
23	LOCK STRAIGHT CLAMP BOLT KIT	S-38974-1	1	Includes: Bolts, washers and nuts
24	LOCK STRAIGHT TIE ROD BRACKET	S-33830	1	
25	PIN LOCK CHAMBER	S-40876-1	1	Includes: Bolts, washers and nuts
26	LOCK STRAIGHT AIR SPRING	S-8768	1	
27	LOCK STRAIGHT AIR SPRING BOLT KIT	S-38975-1	1	
28	LOCK STRAIGHT AIR SPRING PLATE			
28a	Roadside	S-33832-1	1	
28b	Curbside	S-33832-2	1	
29	LOCK STRAIGHT ARM ASSEMBLY	S-33829	2	Includes: Arm weldment, bushing and grease zerk
30	LOCK STRAIGHT ARM BOLT KIT	S-38976-1	1	
31	LOCK STRAIGHT ARM STOP BOLT KIT	S-38977-1	1	



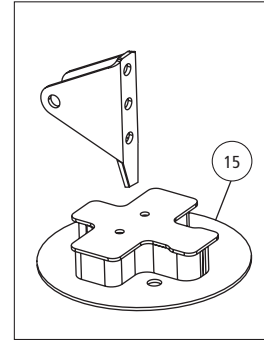
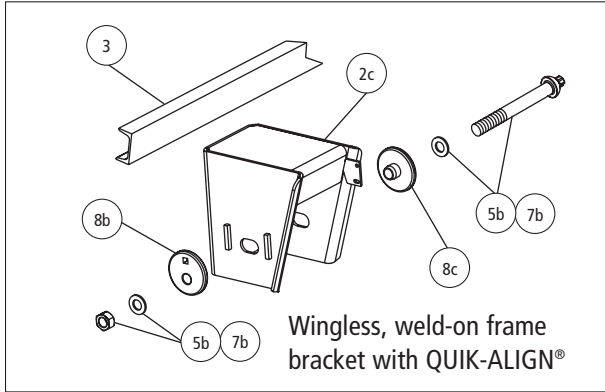
Primary Fixed Suspension System

HT[®] Series Top-Mount

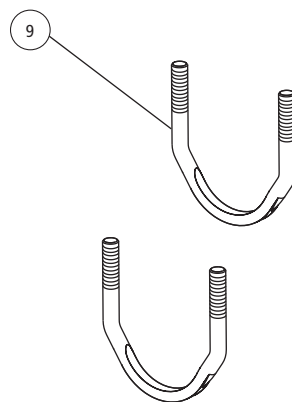
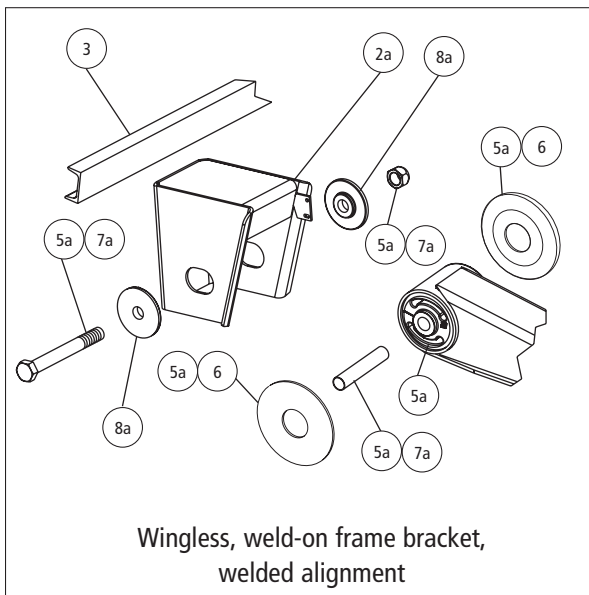
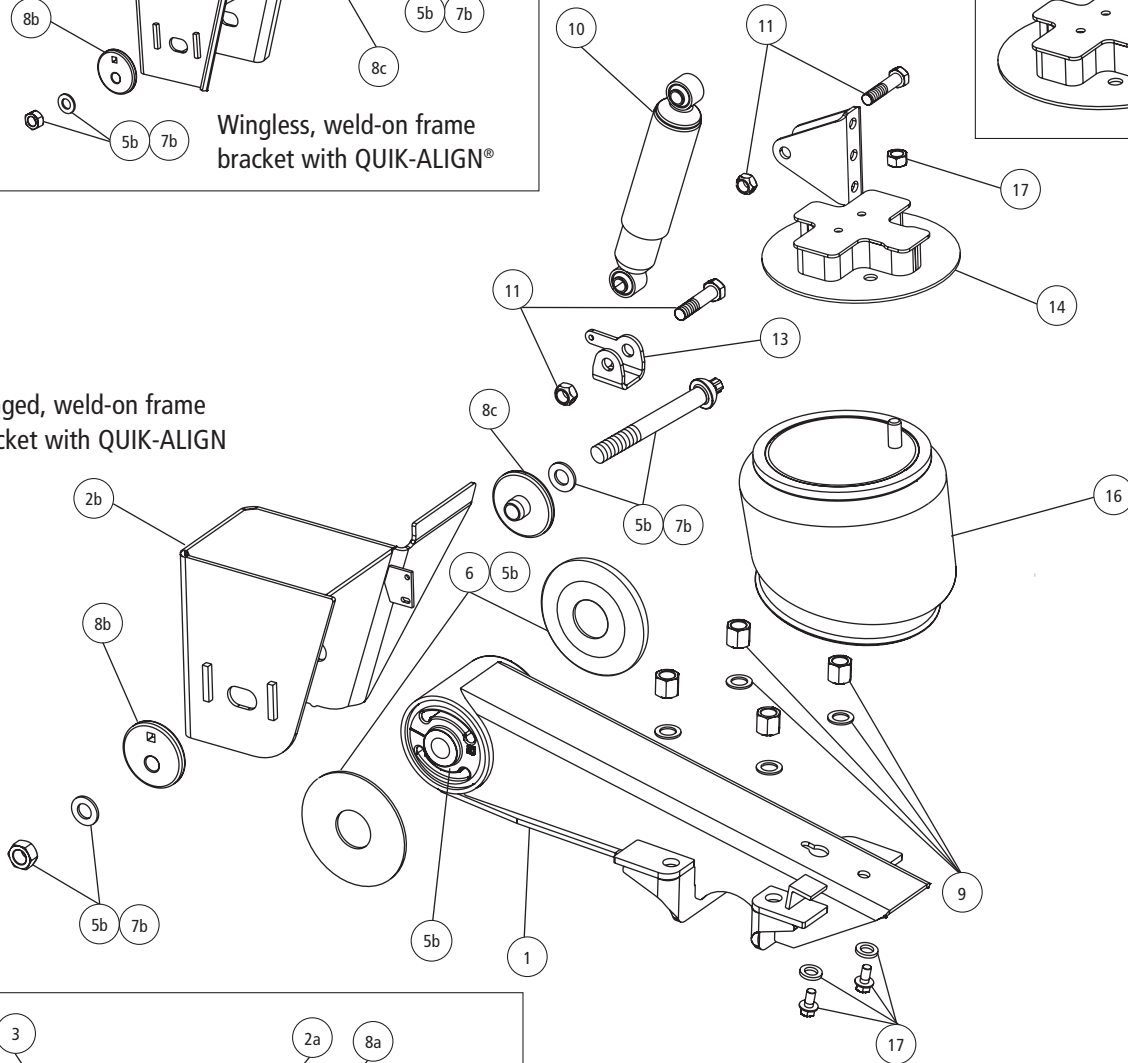
L936 - Suspension Components	106
L38 - Suspension Components	109
L937 - Suspension Components	119
L939 - Suspension Components	125
L1266 - Frame Brackets	278
L1287 - Shocks	297
L1182 - Vehicle Controls	305



Picture shown may not resemble all models.



Winged, weld-on frame bracket with QUIK-ALIGN





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT190 ? or N-HT190 ?		
1	BEAM ASSEMBLY¹					
	Roadside	S-20000-1	1	All models		
	Curbside	S-20000-2	1	All models		
2	FRAME BRACKET					
	2a Wingless, Weld-on Welded Alignment					
	Roadside	S-20064-1	1	T-14-001	T-14-002	T-14-005
	Curbside	S-20064-2	1	T-14-009	T-15-001	T-15-002
				T-15-005	T-15-009	T-15-020
	Roadside	S-20065-1	1	T-16-001	T-16-002	T-16-003
	Curbside	S-20065-2	1	T-16-005	T-16-009	T-17-001
				T-17-002	T-17-005	T-17-009
	2b Winged, Weld-on QUIK-ALIGN®					
	Roadside	S-21179-1	1	TA14-001	TA14-005	TA15-005
	Curbside	S-21179-2	1			
	Roadside	S-21165-1	1	TA16-005	TA17-005	
	Curbside	S-21165-2	1			
	2c Wingless, Weld-on QUIK-ALIGN					
	Roadside	S-21590-1	1	TB14-001	TB14-005	TB14-024
	Curbside	S-21590-2	1	TB15-001	TB15-002	TB15-005
				TB15-024		
	Roadside	S-21592-1	1	TB16-001	TB16-005	TB17-005
	Curbside	S-21592-2	1			
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models		
4	FRAME BRACKET GUSSET (Not Shown)	S-27330	2	TA14-005	TA15-005	TA16-005
				TA17-005		
5	TRI-FUNCTIONAL® II BUSHING KIT²					
	5a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube		
	5b QUIK-ALIGN	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube		
6	BUSHING TUBE SPACER	S-21099	4	All models		
7	PIVOT BOLT KIT					
	7a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner		
	7b QUIK-ALIGN	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut		
8	ALIGNMENT COLLAR					
	8a Welded Alignment	S-2770	4	Collars are welded to frame bracket		
	8b Eccentric, QUIK-ALIGN (outer)	S-20925	2	Alignment hole is off center		
	8c Concentric, QUIK-ALIGN (inner)	S-20924	2	Alignment hole is centered		
9	U-BOLT KIT	S-21140/4	4	Includes (1) stepped U-bolt and hardware Axle spacer is not needed with stepped U-bolt		

¹Lower shock clevis (item #12) is included with beam assembly.

²Bushing tool S-21307 is required to correctly re-bush the suspension.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT190 ? or N-HT190 ?
10	SHOCK ABSORBER	S-20001	2	All models
11	SHOCK BOLT KIT	S-20031/2	2	T-14-005 T-15-005 T-16-005 T-17-005 TA14-005 TA15-005 TA16-005 TA17-005 TB14-005 TB14-024 TB15-005 TB15-024 TB16-005 TB17-005
		S-20218/2	2	T-14-001 T-14-002 T-14-009 T-15-001 T-15-002 T-15-009 T-15-020 T-16-001 T-16-002 T-16-003 T-16-009 T-17-001 T-17-002 T-17-009 TA14-001 TB14-001 TB15-001 TB15-002 TB16-001
12	SHOCK STRAP KIT (Not Shown)	S-14587-1	1	Includes (4) nylon ties and (2) shock straps. Use with S-20001 shocks.
13	LOWER SHOCK CLEVIS ³	S-20069	2	All models
14	AIR SPRING SHOCK MOUNT ⁴			
	Roadside	C-20011-1	1	T-14-005 TA14-005 TB14-005
	Curbside	C-20011-2	1	TB14-024
	Roadside	C-20012-1	1	T-15-005 TA15-005 TB15-005
	Curbside	C-20012-2	1	TB15-024
	Roadside	C-20013-1	1	T-16-003 T-16-005 TA16-005
	Curbside	C-20013-2	1	TB16-005
	Roadside	C-20014-1	1	T-17-005 TA17-005 TB17-005
	Curbside	C-20014-2	1	
15	AIR SPRING SPACER ASSEMBLY ⁴			Includes air spring plate and assembly
		C-20016-1	2	T-15-001 T-15-002 T-15-009 TB15-002
		C-20016-2	2	T-16-001 T-16-002 TB16-001 TB16-009
		C-20016-3	2	T-17-001 T-17-002 T-17-009
16	AIR SPRING	S-20223	2	All models
17	AIR SPRING MOUNTING KIT	S-20033/2	2	All models
18	UNIVERSAL HEIGHT CONTROL VALVE (Not Shown)	VS-227	1 ⁵	Fits all models. Includes height control valve, exhaust line and spacer bracket.
19	UNIVERSAL LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁵	Includes linkage assembly and hardware
20	AUTO DUMP VALVE (Not Shown)	VS-23460	1 ⁵	Includes dump valve and fittings
21	PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1 ⁵	Includes valve only

³ Lower shock clevis is included with beam assembly (item #1).

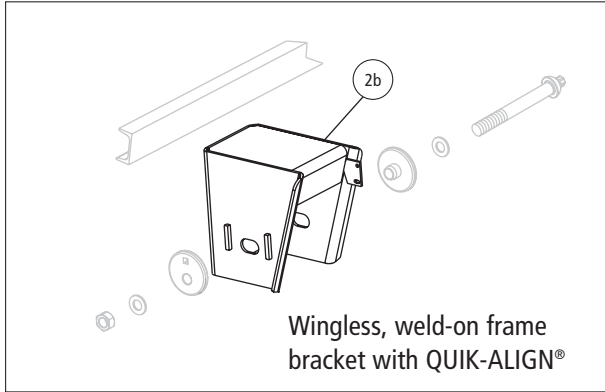
⁴ Component may vary for slider suspensions based on slider box manufacturer. Contact Hendrickson for assistance.

⁵ Quantities for air control components are per trailer.

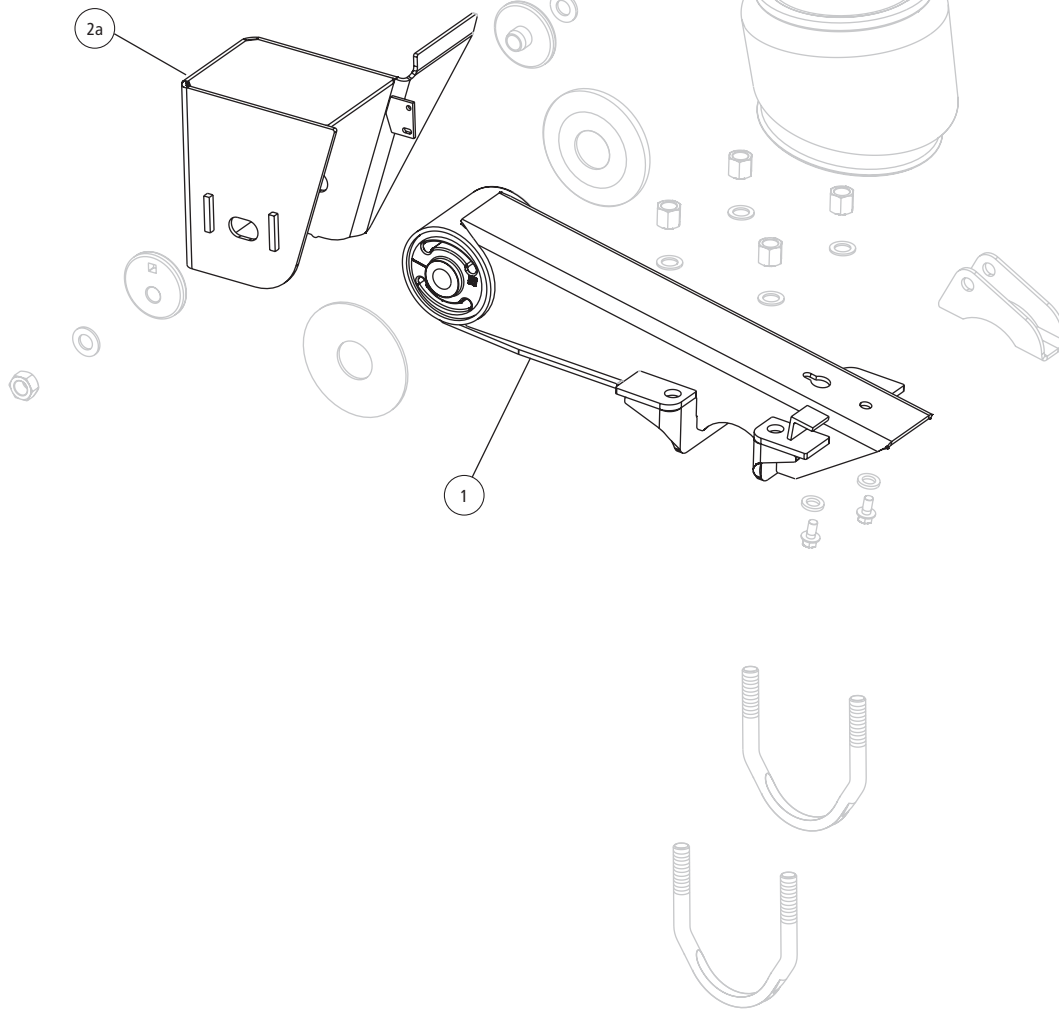
NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Winged, weld-on frame bracket with QUIK-ALIGN





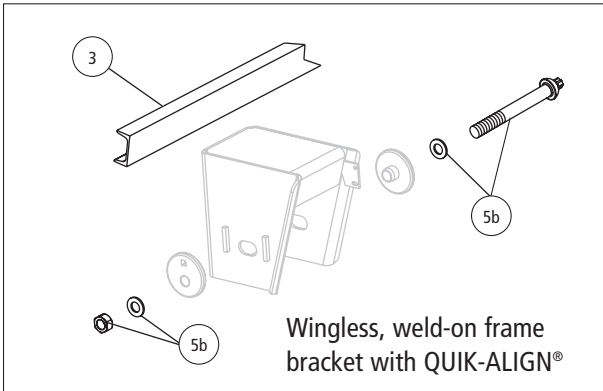
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT230 ? or N-HT230 ?		
1	BEAM ASSEMBLY¹					
	Roadside	S-20000-1	1	Fits all models unless shown below		
	Curbside	S-20000-2	1			
	Roadside	S-21736-1	1	TA14-601	TB14-601	
	Curbside	S-21736-2	1			
	Roadside	S-27614-1	1	TA15-522	TA17-522	
	Curbside	S-27614-2	1			
2	FRAME BRACKET					
	2a Winged, Weld-on, QUIK-ALIGN®					
	Roadside	S-21165-1	1	TA15-525	TA16-001	TA16-004
	Curbside	S-21165-2	1	TA16-007	TA17-001	TA17-003
				TA17-007	TA17-013	TA17-026
				TA17-517	TA17-522	
	Roadside	S-21179-1	1	TA14-001	TA14-004	TA14-007
	Curbside	S-21179-2	1	TA14-020	TA14-021	TA14-520
				TA14-601	TA14-701	TA15-001
				TA15-003	TA15-007	TA15-009
				TA15-012	TA15-016	TA15-018
				TA15-026	TA15-517	TA15-522
				TA15-523	TA15-524	TA15-601
				TA15-701		
	Roadside	S-21179-3	1	TA15-016		
	Curbside	S-21179-4	1			
	Roadside	S-21193-1	1	TA19-001		
	Curbside	S-21193-2	1			
	Roadside	S-21249-1	1	TA14-008	TA15-008	TA15-025
	Curbside	S-21249-2	1			
	Roadside	S-21250-1	1	TA17-008		
	Curbside	S-21250-2	1			
	2b Wingless, Weld-on, QUIK-ALIGN					
	Roadside	S-21590-1	1	TB14-001	TB14-021	TB14-022
	Curbside	S-21590-2	1	TB14-024	TB14-701	TB15-001
				TB15-003	TB15-009	TB15-020
				TB15-026	TB15-027	TB15-028
	Roadside	S-21592-1	1	TB14-033	TB16-001	TB16-004
	Curbside	S-21592-2	1	TB16-024	TB16-026	TB17-001
				TB17-003	TB17-009	TB17-024
				TB17-026		
	Roadside	S-22420-1	1	TB15-025		
	Curbside	S-22420-2	1			
	Roadside	S-23461-1	1	TB19-001		
	Curbside	S-23461-2	1			
	2c Winged, Bolt-on, QUIK-ALIGN (Not Shown)					
	Roadside	S-21204-1	1	TA14-002	TA15-002	TA15-004
	Curbside	S-21204-2	1	TA15-011		
	Roadside	S-21205-1	1	TA16-002	TA17-002	
	Curbside	S-21205-2	1			
	Roadside	S-21332-1	1	-18-052		
	Curbside	S-21332-2	1			
	Roadside	S-25812-1	1	TA14-070	TA15-071	TB14-070
	Curbside	S-25812-2	1			
	Roadside	S-24912-1	1	TA15-036		
	Curbside	S-24912-2	1			

1. Lower shock clevis (item #13) is included with beam assembly.

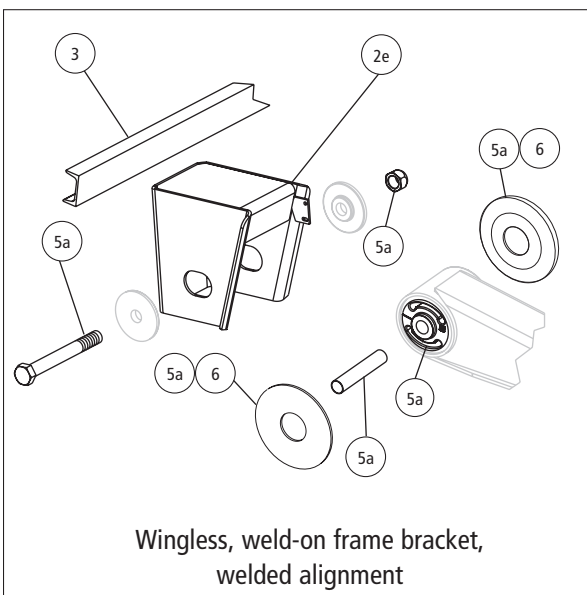
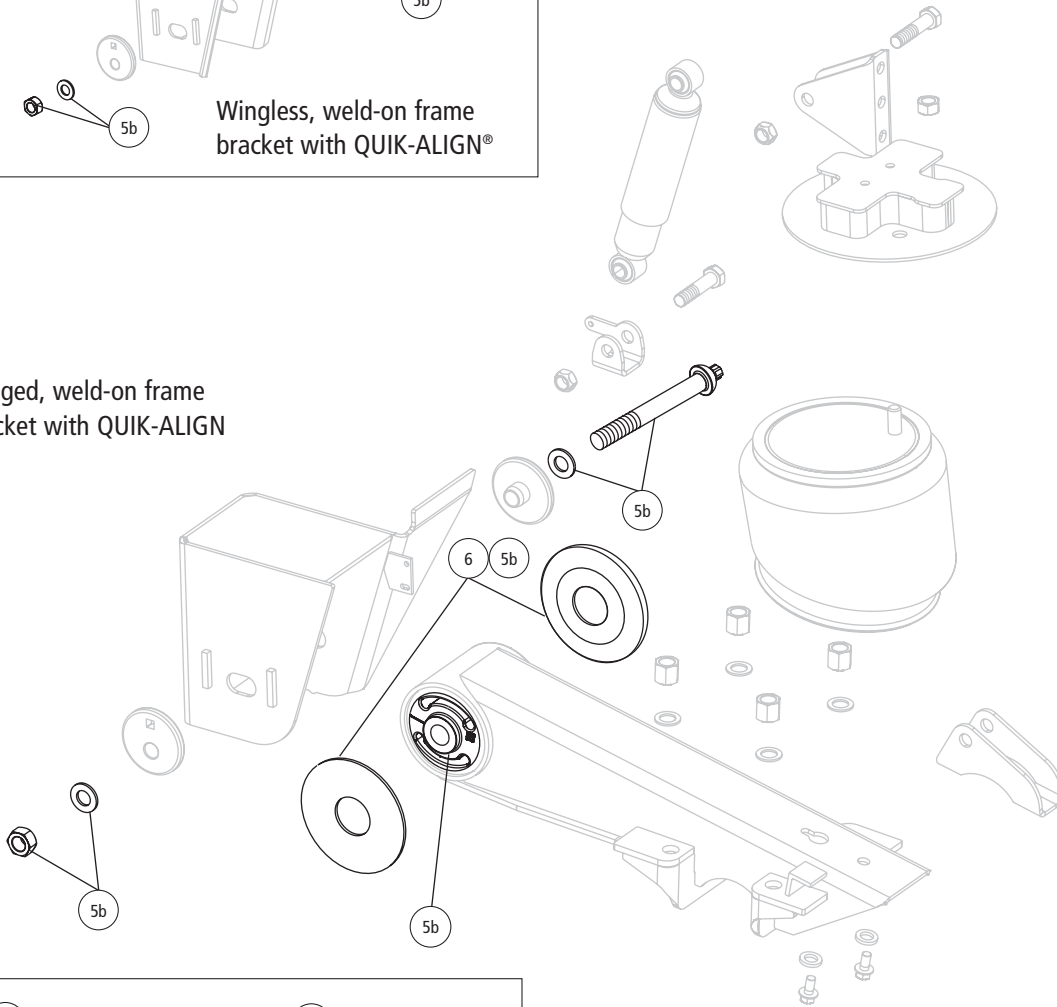
NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Winged, weld-on frame bracket with QUIK-ALIGN





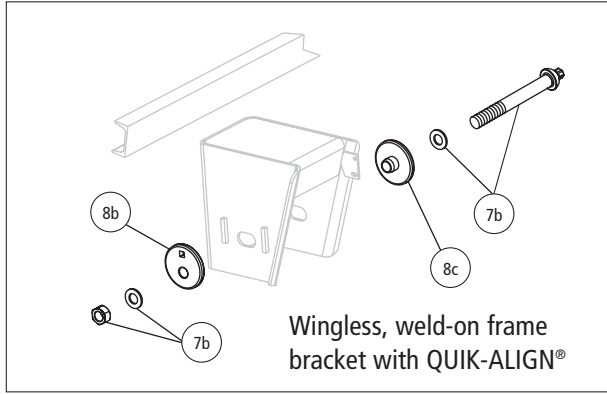
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT230 ? or N-HT230 ?		
2d	Wingless, Bolt-on, QUIK-ALIGN® (Not Shown)					
	Roadside	S-22137-1	1	TB14-002	TB15-002	
	Curbside	S-22137-2	1			
	Roadside	S-22138-1	1	TB16-002	TB17-002	TB18-002
	Curbside	S-22138-2	1			
	Roadside	S-25494-1	1	TB14-071	TB15-071	
	Curbside	S-25494-2	1			
2e	Wingless, Weld-on, Welded Alignment					
	Roadside	S-20047-1	1	-14-008	-15-008	-15-025
	Curbside	S-20047-2	1			
	Roadside	C-20048-1	1	-16-008	-17-008	
	Curbside	C-20048-2	1			
	Roadside	S-20064-1	1	-14-001	-14-004	-14-005
	Curbside	S-20064-2	1	-14-007	-14-017	-14-020
				-14-021	-14-024	-15-001
				-15-003	-15-005	-15-006
				-15-007	-15-009	-15-012
				-15-017	-15-020	-15-026
				-15-027	-15-028	-15-517
	Roadside	S-20065-1	1	-16-001	-16-004	-16-005
	Curbside	S-20065-2	1	-16-006	-16-007	-16-009
				-16-024	-16-026	-17-001
				-17-003	-17-005	-17-006
				-17-007	-17-009	-17-012
				-17-017	-17-022	-17-023
				-17-024	-17-026	-17-517
	Roadside	S-14190-1	1	-19-001	-19-027	
	Curbside	S-14190-2	1			
2f	Wingless, Bolt-on, Welded Alignment (Not Shown)					
	Roadside	S-20007-1	1	-14-002	-14-011	-15-002
	Curbside	S-20007-2	1	-15-004	-15-011	-15-032
				-16-021		
	Roadside	S-20008-1	1	-16-002	-16-010	-17-002
	Curbside	S-20008-2	1	-17-004	-17-011	-17-032
	Roadside	S-20190-1	1	-19-004		
	Curbside	S-20190-2	1			
	Roadside	S-20396-1	1	-19-002		
	Curbside	S-20396-2	1			
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	Used on all wingless frame brackets and with 19" winged frame brackets		
4	FRAME BRACKET GUSSET (Not Shown)	S-27330	2	Used on most winged frame brackets excluding 19" ride height		
5	TRI-FUNCTIONAL® II BUSHING KIT²					
	5a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube		
	5b QUIK-ALIGN	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube		
6	BUSHING TUBE SPACER	S-21099	4	All models		

2. Bushing tool S-21307 is required to correctly re-bush the suspension.

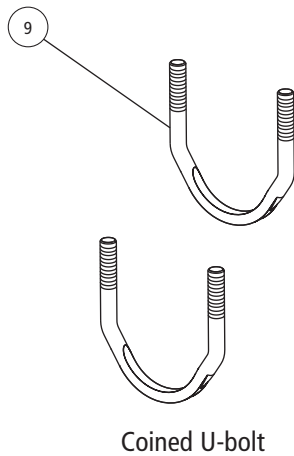
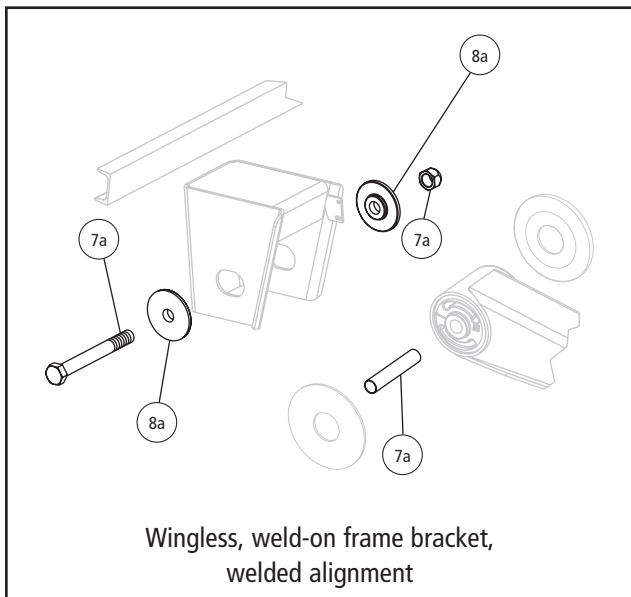
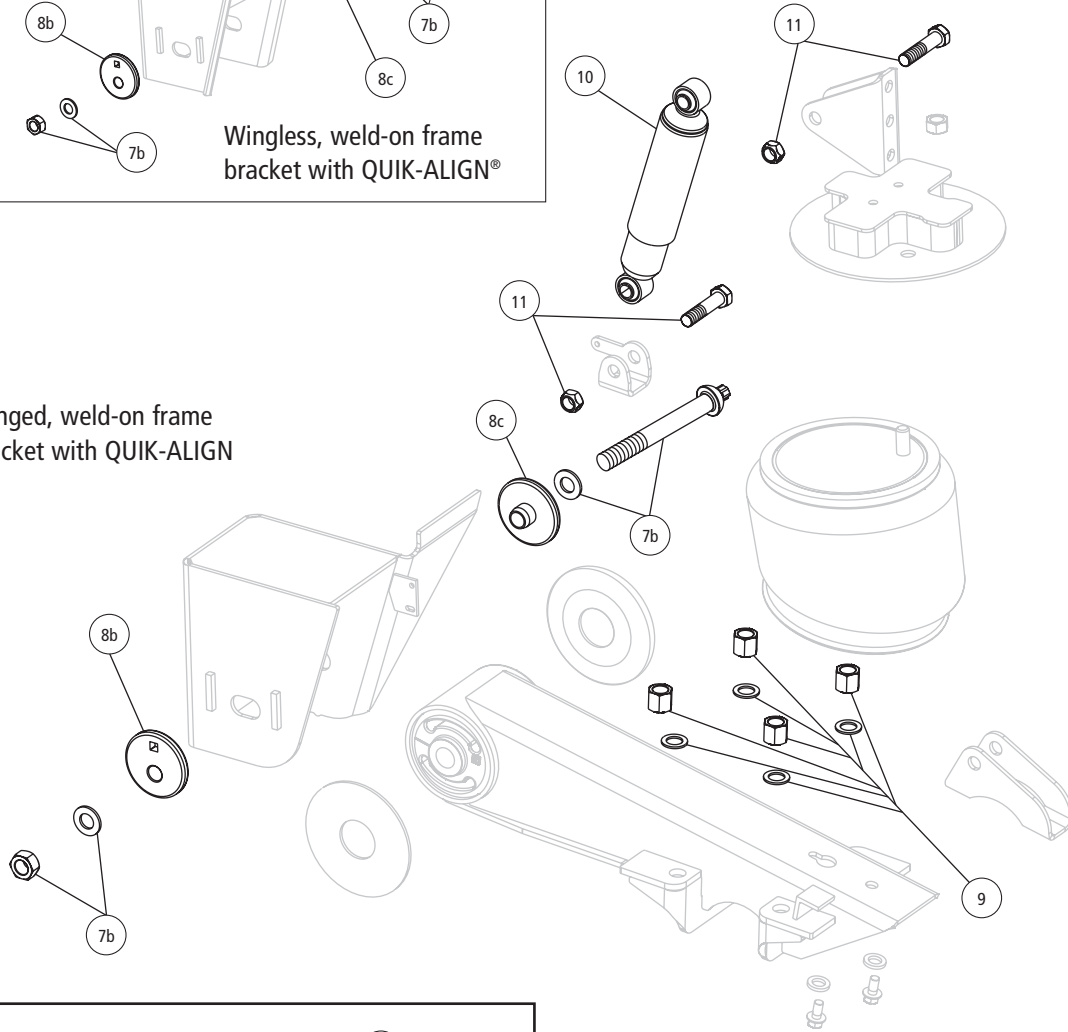
NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



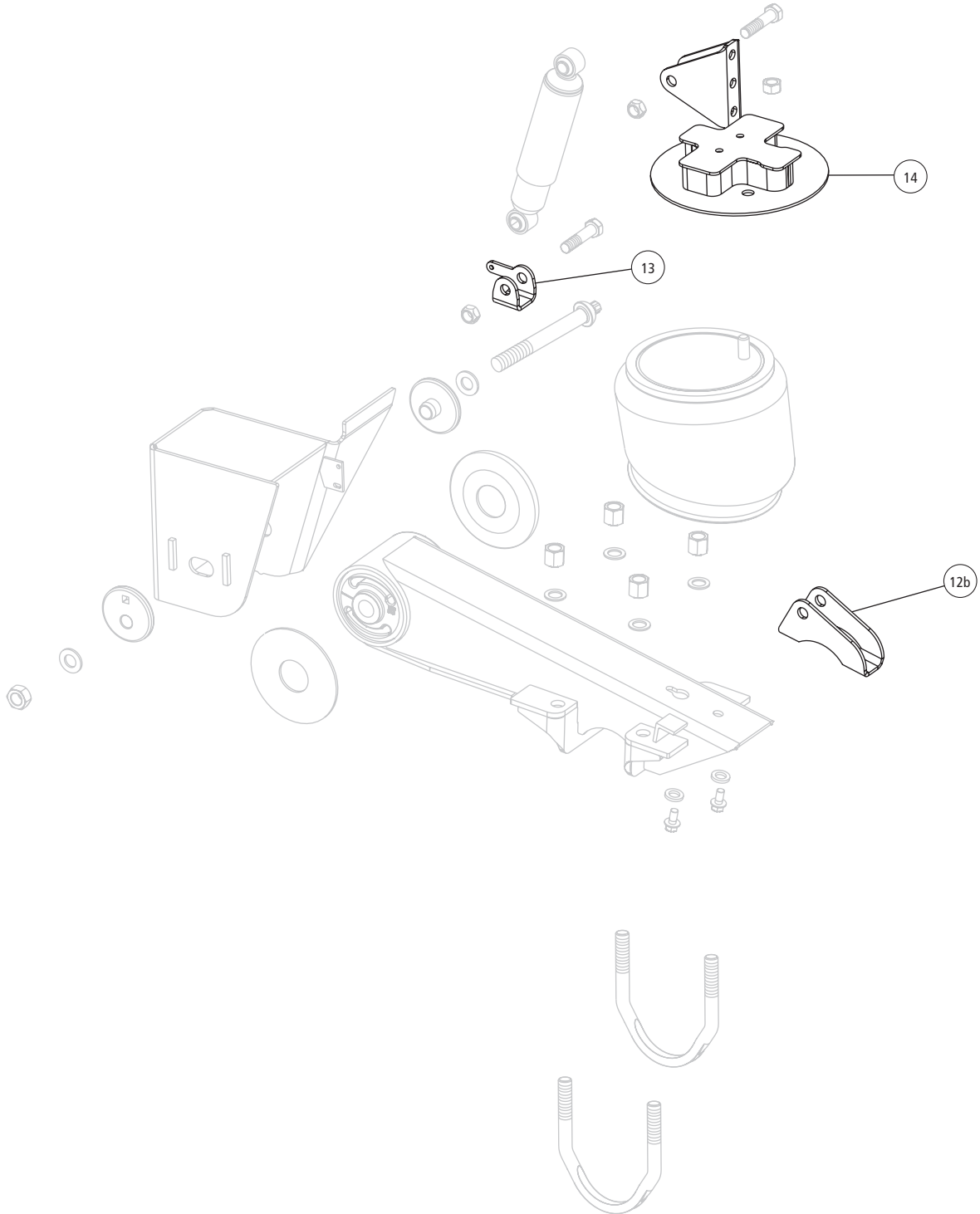
Winged, weld-on frame bracket with QUIK-ALIGN





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT230 ? or N-HT230 ?		
7	PIVOT BOLT KIT					
	7a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner		
	7b QUIK-ALIGN®	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut		
8	ALIGNMENT COLLARS					
	8a Welded Alignment	S-2770	4	Collars are welded to frame bracket		
	8b Eccentric, QUIK-ALIGN (outer)	S-20925	2	Alignment hole is off center		
	8c Concentric, QUIK-ALIGN (inner)	S-20924	2	Alignment hole is centered		
9	U-BOLT KIT	S-21140 / 4	4	Includes (1) stepped U-bolt and hardware. Axle spacer is not needed with stepped U-bolt.		
10	SHOCK ABSORBER	S-20002	2	All models except below		
		S-2160	2	-14-007	-14-011	-14-032
				-15-007	-15-011	-15-012
				-15-028	-15-032	-16-007
				-17-007	-17-011	-17-012
				-17-032	TA14-007	TA15-007
				TA15-011	TA15-012	TA16-007
				TA17-007	TB14-033	TB15-028
		S-20126	2	-14-017	-15-017	-15-517
				-17-017	-17-517	TA14-520
				TA15-517	TA17-517	
		S-2212	2	-14-020	-14-021	TA14-021
				TB14-021		
		B-23361	2	TA14-020		
		S-21699	2	TA15-522	TA15-524	TA15-525
				TA17-522		
		S-2218	2	-16-021		
11	SHOCK BOLT KIT					
	Standard HT Application	S-20031 / 2	2	Fits all models unless shown below		
	Customer Supplied Slider Application	S-20218 / 2	2	-14-003	-14-004	-15-009
				-15-010	-15-013	-15-020
				-16-003	-16-004	-17-009
				-17-010	-17-022	TA15-009
				TB14-003	TB14-601	TB15-009
				TB15-010	TB15-020	TB16-003
				TB16-004	TB17-009	TB17-010
	Customer Located Remote Shock	S-2157 / 2	2	-14-007	-14-011	-14-020
				-14-021	-14-032	-15-007
				-15-011	-15-012	-15-028
				-15-032	-16-007	-16-021
				-17-007	-17-011	-17-012
				-17-032	TA14-007	TA14-021
				TA15-007	TA15-011	TA15-012
				TA16-007	TA17-007	TB14-021
				TB14-033	TB15-028	
		S-27615 / 2	1	TA15-522	TA15-524	TA15-525
				TA16-522	TA17-522	

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



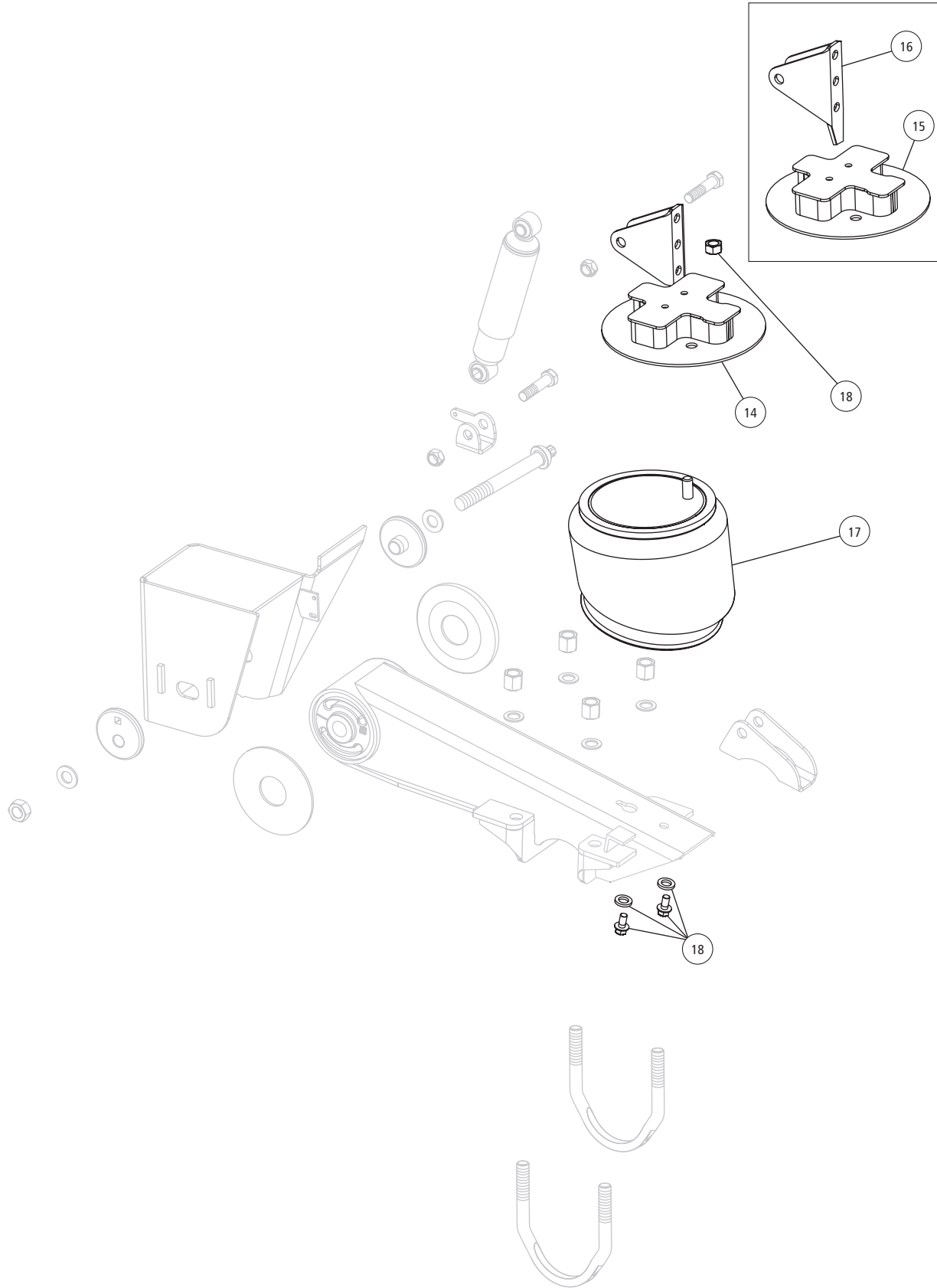


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS			
				HT230 ?	or N-HT230 ?		
12	REMOTE SHOCK MOUNT						
	12a Upper Assembly (Not Shown)	S-2592	2	-14-007 -15-028 -17-012 TA15-012 TB14-033	-15-007 -16-007 TA14-007 TA16-007 TB15-028	-15-012 -17-007 TA15-007 TA17-007	
		S-38151	2	-14-011 -15-032 TA15-011	-14-032 -17-011	-15-011 -17-032	
		S-20023	2	-15-025 TB15-025	TA15-025	TB14-022	
		B-20610	2	-16-021			
	12b Lower Assembly	S-2723	2	-14-007 -15-007 -15-028 -16-021 -17-012 TA15-007 TA16-007 TB15-028	-14-011 -15-011 -15-032 -17-007 -17-032 TA15-011 TA17-007	-14-032 -15-012 -16-007 -17-011 TA14-007 TA15-012 TB14-033	
	13	LOWER SHOCK CLEVIS³	S-20069	2	All models		
	14	AIR SPRING SHOCK MOUNT⁴			Includes air spring plate, spacer assembly and upper shock bracket		
		Roadside	C-20011-1	1	-14-001	-14-005	-14-017
		Curbside	C-20011-2	1	-14-024 -15-027 TA14-520 TA15-016 TB14-071 TB15-027	-15-003 -19-027 TA14-601 TB14-001 TB14-701 TB15-071	-15-006 TA14-020 TA15-003 TB14-024 TB15-003
		Roadside	C-20012-1	1	-15-001	-15-005	-15-017
		Curbside	C-20012-2	1	-15-517 TA15-001 TA15-701	-16-006 TA15-517 TB15-001	-16-009 TA15-522
		Roadside	C-20013-1	1	-16-001	-16-005	-16-024
	Curbside	C-20013-2	1	-17-003 TA17-003 TB17-003	-17-005 TB16-001	TA16-001 TB16-024	
	Roadside	C-20014-1	1	-17-001	-17-006	-17-017	
	Curbside	C-20014-2	1	-17-023 TA17-001 TA17-522	-17-024 TA17-013 TB17-001	-17-517 TA17-517 TB17-024	
	Roadside	C-20015-1	1	-14-002	-14-008	-15-004	
	Curbside	C-20015-2	1	TA14-002 TA15-004	TA14-008 TA15-071	TA14-070 TB14-002	
	Roadside and Curbside	C-20016-1	2	-15-007 TA15-009	-15-009 TB15-009	TA15-007	
	Roadside and Curbside	C-20016-2	2	-16-004 -17-022 TB16-004	-16-007 TA16-004	-17-012 TA16-007	
	Roadside and Curbside	C-20016-3	2	-17-007 TB17-009	-17-009	TA17-007	

3. Lower shock clevis is included with beam assembly (item #1).

4. Component may vary for slider suspensions based on slider box manufacturer. Contact Hendrickson for assistance.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.





ITEM	DESCRIPTION	PART NO.	QTY PER SUSP.	FITS MODELS		
				HT230 ?	or N-HT230 ?	
14	AIR SPRING SHOCK MOUNT⁴ (continued from page 9)			Includes air spring plate, spacer assembly and upper shock bracket		
	Roadside	C-20040-1	1	-15-002	-15-008	-16-010
	Curbside	C-20040-2	1	-19-002	TA15-002	TA15-008
				TA15-026	TA15-036	TB15-002
				TB15-026		
	Roadside	C-20041-1	1	-16-002	-16-008	-16-026
	Curbside	C-20041-2	1	-17-004	TA16-002	TB16-002
				TB16-026		
	Roadside	C-20042-1	1	-17-002	-17-008	-17-026
	Curbside	C-20042-2	1	-19-004	TA17-002	TA17-008
				TA17-026	TB17-002	TB17-026
				TB18-002		
	Roadside	C-20401-1	1	-19-001	TA19-001	TB19-001
	Curbside	C-20401-2	1			
	Roadside	C-21195-1	1	-18-051		
	Curbside	C-21195-2	1			
	Roadside	C-21405-1	1	-18-052		
	Curbside	C-21405-2	1			
	Roadside and Curbside	C-20043-1	2	-15-032		
15	AIR SPRING SPACER ASSEMBLY⁴	C-20016-1	2	-15-007	-15-009	TA15-007
				TA15-009	TB15-009	
		B-20037	2	14-007	14-020	14-021
				15-012	15-028	-16-021
				TA14-007	TA14-021	TA15-012
				TB14-033	TB15-028	
16	UPPER SHOCK BRACKET	S-20023	2	-15-025	TA15-025	TB14-022
				TB15-025		
17	AIR SPRING	S-20010	2	All models except below		
		S-21208	2	TA14-520	TA15-522	TA15-523
				TA15-524	TA17-522	
		S-26773	2	TA15-525		
18	AIR SPRING MOUNTING KIT	S-20033/2	2	All models except below		
		A-21251		TA14-520	TA15-522	TA15-523
				TA17-522		
		S-22907	1	TA15-525		
19	AIR SPRING MOUNTING PLATE (Not Shown)	S-20905	2	TA15-525		
		S-21258	2	TB14-022		
20	HEIGHT CONTROL VALVE (Not Shown)	VS-227	1 ⁵	Fits all models. Includes height control valve, exhaust line and spacer bracket		
21	LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁵	Includes linkage valve assembly and hardware		
22	AUTO DUMP VALVE (Not Shown)	VS-23460	1 ⁵	Includes dump and fittings		
23	PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1 ⁵	Includes valve only		

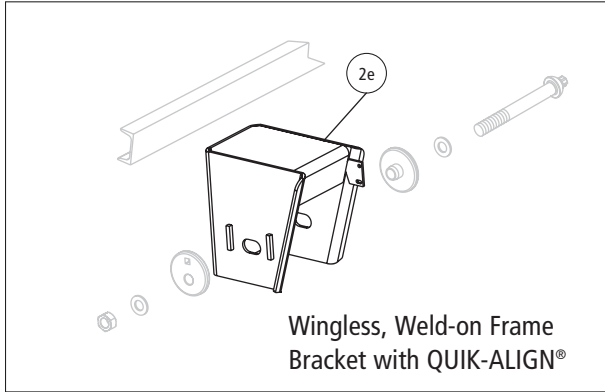
4. Component may vary for slider suspensions based on slider box manufacturer. Contact Hendrickson for assistance.

5. Quantities for air control components per trailer.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.

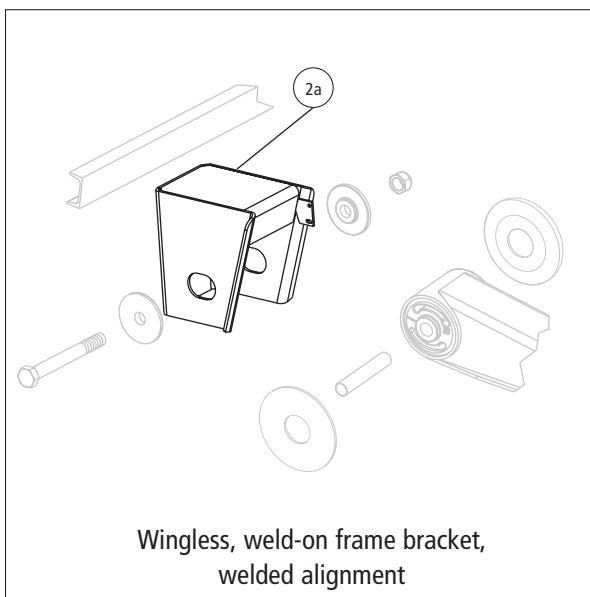
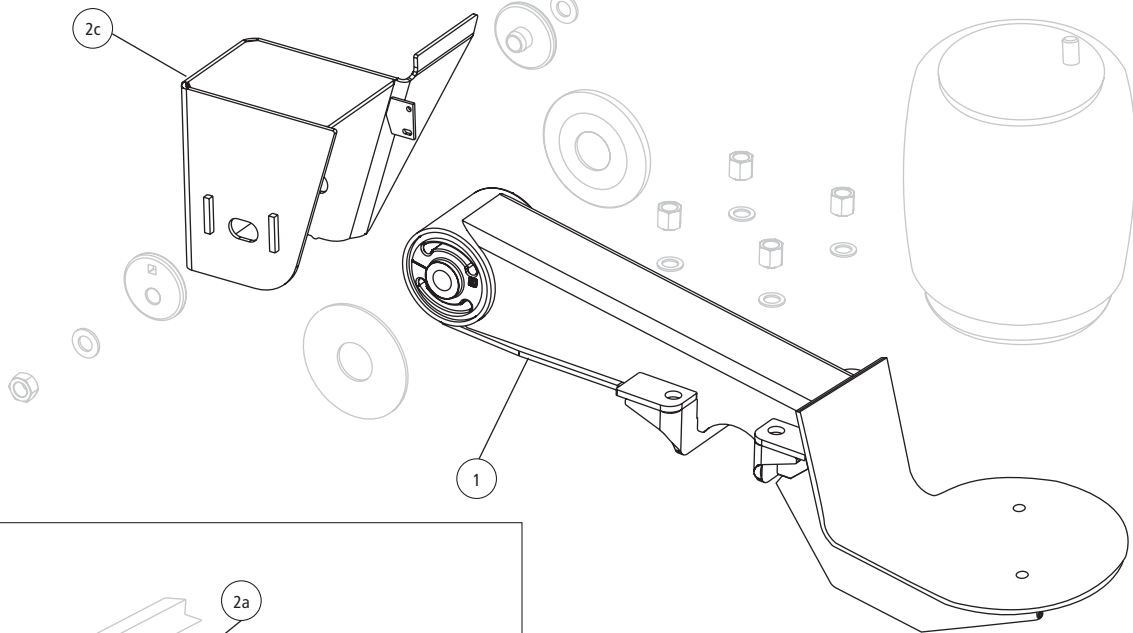


Picture shown may not resemble all models.



Wingless, Weld-on Frame
Bracket with QUIK-ALIGN®

Winged, Weld-on Frame
Bracket with QUIK-ALIGN



Wingless, weld-on frame bracket,
welded alignment



ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT250 ? or N-HT250 ?		
1	BEAM ASSEMBLY¹					
	Roadside	S-20602-1	1	All models		
	Curbside	S-20602-2	1	All models		
2	FRAME BRACKET					
	2a Wingless, Weld-on, Welded Alignment					
	Roadside	S-20064-1	1	T-12-001	T-12-003	T-12-006
	Curbside	S-20064-2	1	T-12-020	T-14-001	T-14-003
				T-14-006	T-14-021	T-15-001
				T-15-006	T-15-021	T-15-022
				T-15-023	T-15-026	
	Roadside	S-20065-1	1	T-16-001	T-16-003	T-16-006
	Curbside	S-20065-2	1	T-16-021	T-16-022	T-17-001
			T-17-006	T-17-020	T-17-021	
			T-17-022	T-17-023	T-17-501	
	Roadside	S-14190-1	1	T-19-001		
	Curbside	S-14190-2	1			
	Roadside	C-21040-1	1	T-16-016		
	Curbside	C-21040-2	1			
	2b Wingless, Bolt-on, Welded Alignment (Not Shown)					
	Roadside	S-20008-1	1	T-16-002	T-17-002	
	Curbside	S-20008-2	1			
	Roadside	S-20396-1	1	T-19-002	T-19-004	
	Curbside	S-20396-2	1			
	Roadside	S-20007-1	1	T-12-002	T-14-002	T-15-002
	Curbside	S-20007-2	1			
	Roadside	S-20047-1	1 ²	T-15-025		
	Curbside	S-20047-2	1 ²			
	2c Winged, Weld-on, QUIK-ALIGN®					
	Roadside	S-21193-1	1	TA19-001		
	Curbside	S-21193-2	1			
	Roadside	S-21179-1	1	TA12-001	TA14-001	TA14-021
	Curbside	S-21179-2	1	TA15-001	TA15-021	
	Roadside	S-21165-1	1	TA16-001	TA16-021	TA17-001
	Curbside	S-21165-2	1	TA17-020	TA17-021	
	Roadside	S-21179-3	1	TA14-016		
	Curbside	S-21179-4	1			
	2d Winged, Bolt-on, QUIK-ALIGN (Not Shown)					
	Roadside	S-21204-1	1	TA12-002	TA14-002	TA15-002
	Curbside	S-21204-2	1			
	Roadside	S-21205-1	1	TA16-002	TA17-002	
	Curbside	S-21205-2	1			
	Roadside	S-25812-1	1	TA14-070		
	Curbside	S-25812-2	1			

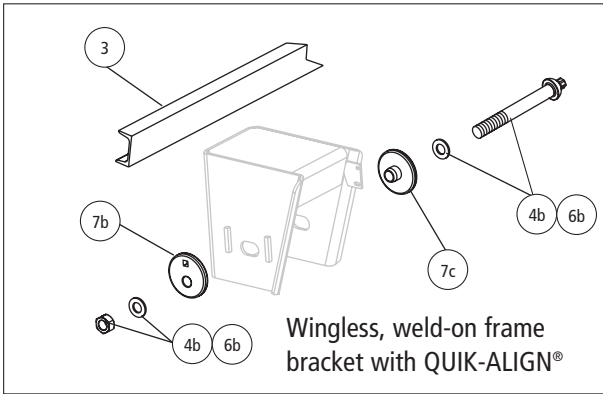
¹ Lower shock clevis (item # 11) is included with beam assembly.

² Trailer manufacturer or OEM supplied bolt-on mounting plate.

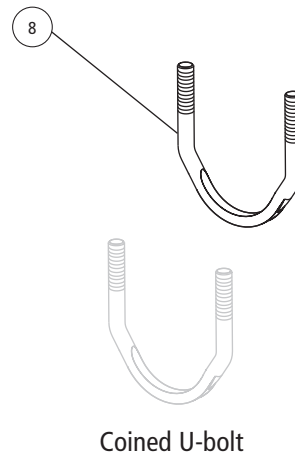
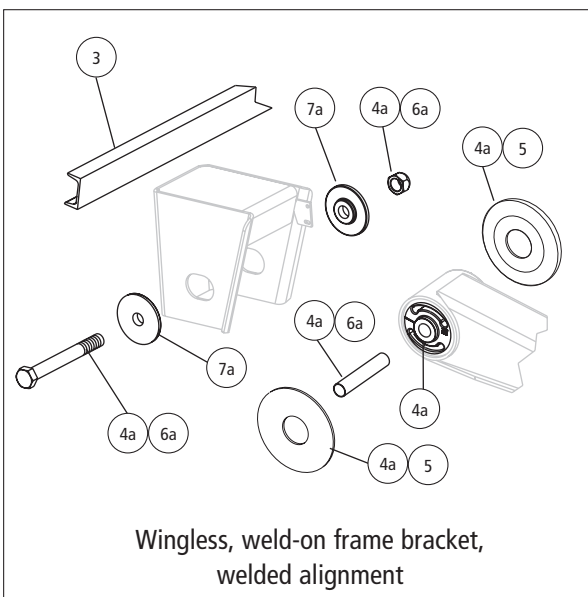
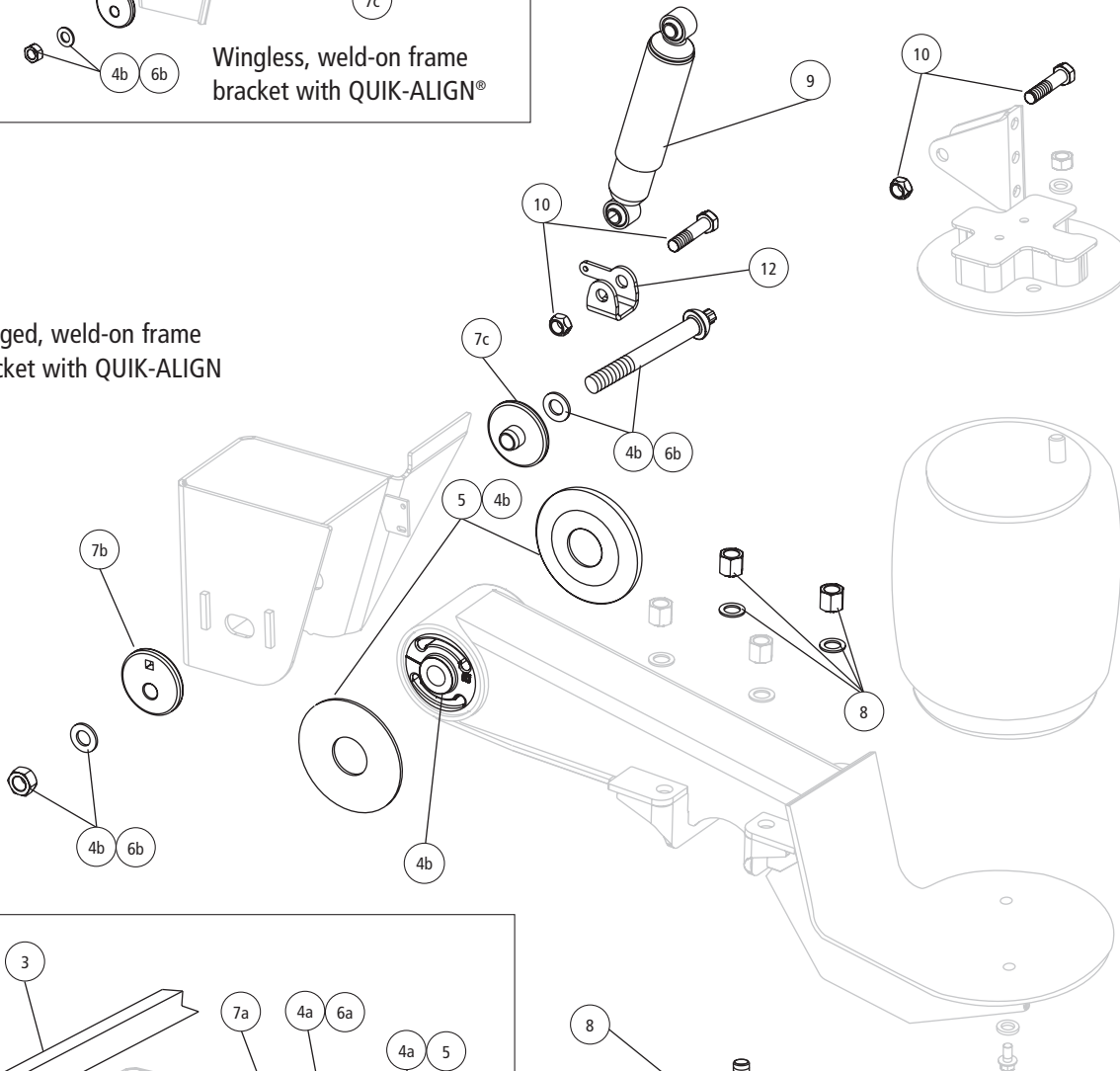
NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Winged, weld-on frame bracket with QUIK-ALIGN





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT250 ? or N-HT250 ?		
2e	Wingless, Weld-on, QUIK-ALIGN®					
	Roadside	S-21590-1	1	TB12-001	TB12-003	TB12-024
	Curbside	S-21590-2	1	TB12-029	TB14-001	TB14-003
				TB14-015	TB14-021	TB14-022
				TB14-024	TB15-001	TB15-021
				TB15-023	TB15-024	TB15-025
				TB15-026		
	Roadside	S-21592-1	1	TB16-001	TB16-020	TB16-021
	Curbside	S-21592-2	1	TB16-022	TB16-023	TB16-024
				TB16-026	TB17-001	TB17-020
				TB17-021	TB17-024	TB17-026
				TB17-027	TB17-028	
	Roadside	S-23461-1	1	TB19-001		
	Curbside	S-23461-2	1			
2f	Wingless, Bolt-on, QUIK-ALIGN (Not Shown)					
	Roadside	S-22137-1	1	TB12-002		
	Curbside	S-22137-2	1			
	Roadside	S-25494-1	1	TB14-071		
	Curbside	S-25494-2	1			
	Roadside	S-25109-1	1	TB15-036		
	Curbside	S-25109-2	1			
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models		
4	TRI-FUNCTIONAL® II BUSHING KIT³					
4a	Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube		
4b	QUIK-ALIGN	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube		
5	BUSHING TUBE SPACER	S-21099	4	All models		
6	PIVOT BOLT KIT					
6a	Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner		
6b	QUIK-ALIGN	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut		
7	ALIGNMENT COLLARS					
7a	Welded Alignment	S-2770	4	Collars are welded to frame bracket		
7b	Eccentric QUIK-ALIGN (outer)	S-20925	2	Alignment hole is off center		
7c	Concentric QUIK-ALIGN (inner)	S-20924	2	Alignment hole is centered		
8	U-BOLT KIT	S-21140 / 4	4	Includes (1) stepped U-bolt and hardware. Axle spacer is not needed with stepped U-bolt.		
9	SHOCK ABSORBER	S-2212	2	All models		
10	SHOCK BOLT KIT	S-20031 / 2	2	All models		
11	SHOCK STRAP KIT (Not Shown)	S-14587-3	1	Includes (4) nylon ties and (2) shock straps Use with S-2212 shock		
12	LOWER SHOCK CLEVIS⁴	S-20069	2	All models		

³ Bushing tool S-21307 is required to correctly re-bush the suspension.

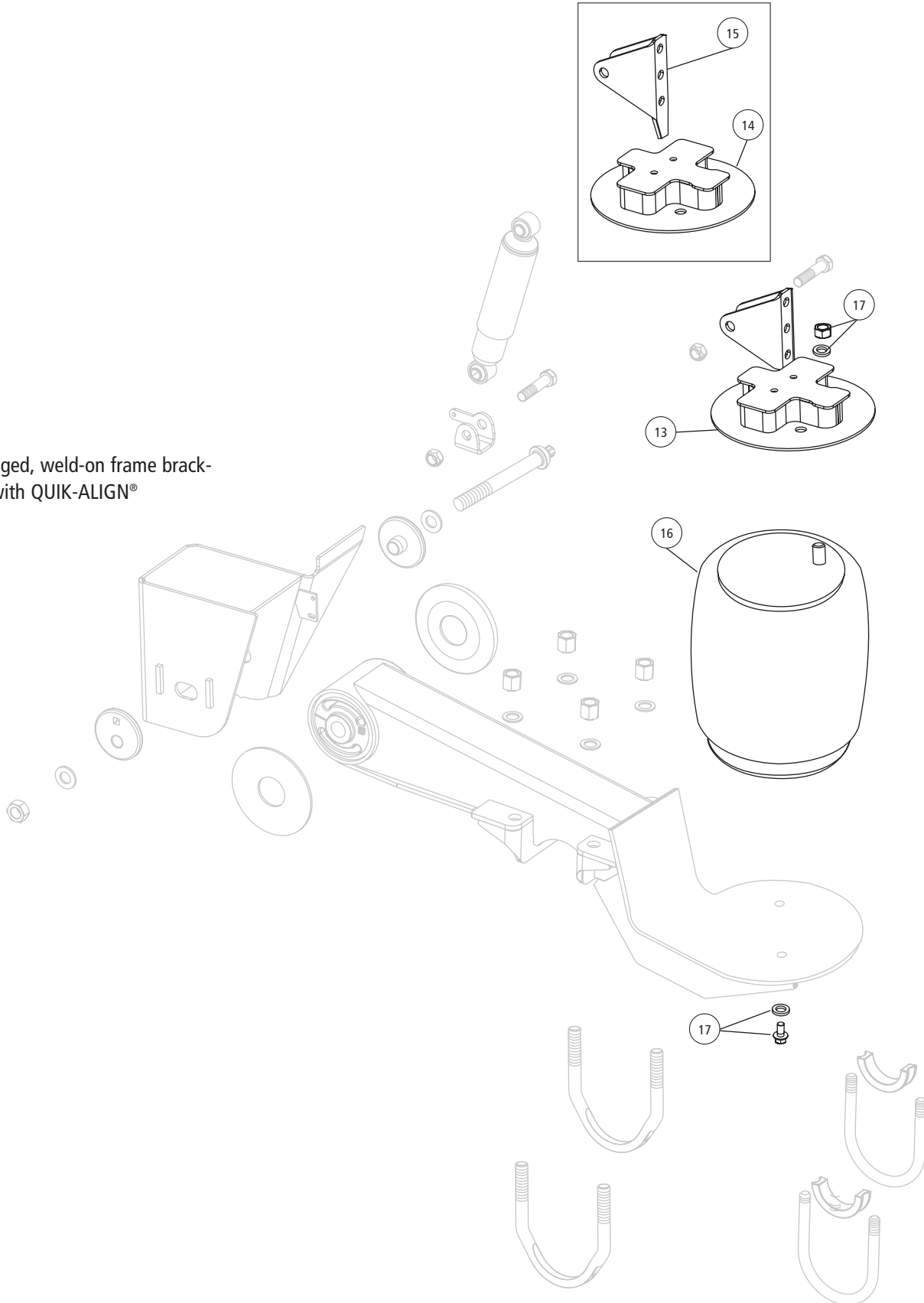
⁴ Lower shock clevis is included with beam assembly (item # 1).

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.

Winged, weld-on frame bracket with QUIK-ALIGN®



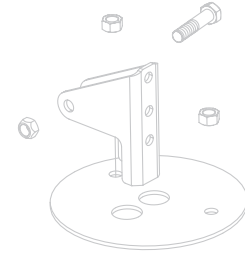
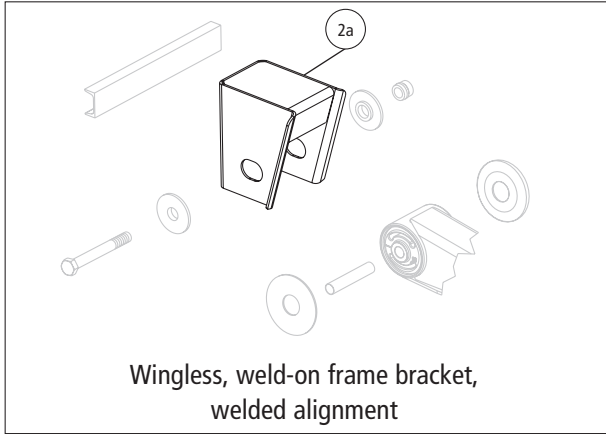


ITEM DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT250 ? or N-HT250 ?		
13 AIR SPRING SHOCK MOUNT⁵					
Roadside	C-21212-1	1	T-12-002	T-14-002	TA12-002
Curbside	C-21212-2	1	TA14-002	TA14-070	TB12-002
			TB14-071	TC14-060	
Roadside	C-21213-1	1	T-19-002	TC19-061	
Curbside	C-21213-2	1			
Roadside	C-21214-1	1	T-19-004		
Curbside	C-21214-2	1			
Roadside	C-21216-1	1	T-12-001	T-12-006	T-14-001
Curbside	C-21216-2	1	T-14-006	TA12-001	TA14-001
			TB12-001	TB12-024	TB14-001
			TB14-022	TB14-024	TB14-071
Roadside	C-21217-1	1	T-13-021	T-15-001	T-15-006
Curbside	C-21217-2	1	TA15-001	TB15-001	TB15-024
			TB15-025		
Roadside	C-21218-1	1	T-16-001	T-16-006	TA14-021
Curbside	C-21218-2	1	TA16-001	TB16-001	TB16-024
			TB16-025		
Roadside	C-21219-1	1	T-17-001	T-17-006	T-17-022
Curbside	C-21219-2	1	T-17-501	TA17-001	TB17-001
			TB17-024		
Roadside	C-21220-1	1	T-15-002	T-15-026	TA15-002
Curbside	C-21220-2	1	TA15-036	TB15-026	TB15-036
			TC15-061	TC15-060	
Roadside	C-21222-1	1	T-17-002	TA17-002	TB17-026
Curbside	C-21222-2	1	TC17-060	TC17-061	
Roadside	C-21223-1	1	T-19-001	TA19-001	TB19-001
Curbside	C-21223-2	1			
Roadside	C-21221-1	1	T-16-002	TA16-002	TB16-026
Curbside	C-21221-2	1			
Roadside	C-25932-1	1	TA16-021		
Curbside	C-25932-2	1			
14 AIR SPRING SPACER ASSEMBLY⁵			Includes air spring plate and assembly		
	C-21210-3	2	T-14-021	TB14-021	
	C-21210-4	2	T-15-021	T-15-022	T-15-023
			TA15-021	TB15-021	TB15-023
				TB17-027	TB17-028
	C-21210-5	2	T-16-021	T-16-022	TB16-021
				TB16-022	
	C-21210-6	2	T-17-020	T-17-021	T-17-023
			TA17-021	TA17-020	TB16-020
			TB17-020	TB17-021	
15 UPPER SHOCK BRACKET	S-20023	2	All models		
16 AIR SPRING	S-20124	2	Fits all models unless shown below		
	S-20127	2	T-17-022	TB15-025	
17 AIR SPRING MOUNTING KIT	S-20033 / 2	2	All models		
18 UNIVERSAL HEIGHT CONTROL VALVE (Not Shown)	VS-227	1 ⁶	Fits all models. Includes height control valve, exhaust line, and spacer bracket		
19 UNIVERSAL LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁶	Includes linkage assembly and hardware		
20 AUTOMATIC DUMP VALVE (Not Shown)	VS-23460	1 ⁶	Includes dump valve and fittings		
21 PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1 ⁶	Includes valve only		

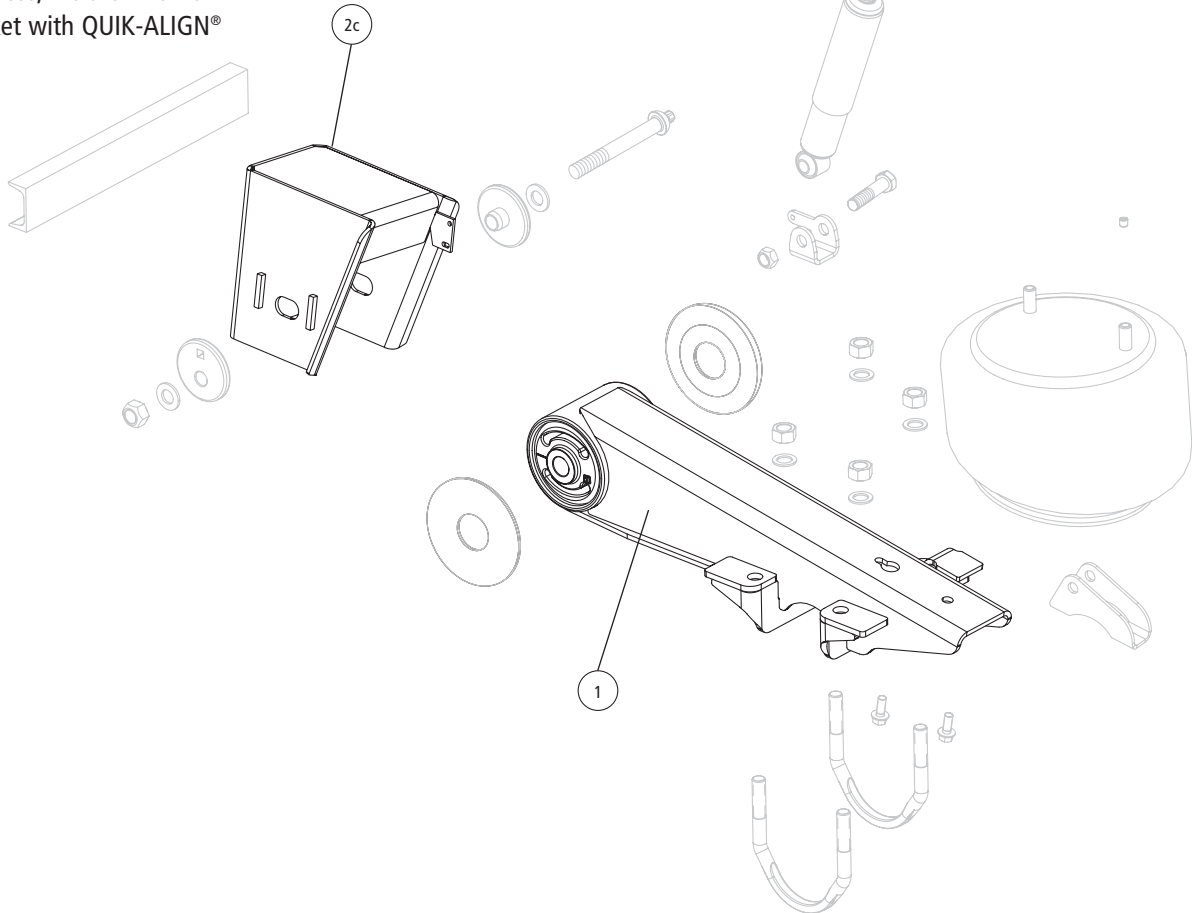
⁵ Component may vary for slider suspensions based on slider box manufacturer. Contact Hendrickson for assistance.

⁶ Quantities for air control components are per trailer.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Wingless, weld-on frame
bracket with QUIK-ALIGN®





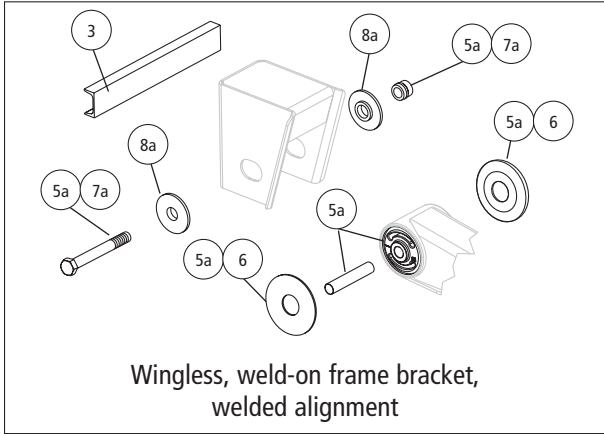
ITEM DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
			HT300 ?	OR N-HT300 ?	
1 BEAM ASSEMBLY¹					
Roadside	S-20186-1	1	All models		
Curbside	S-20186-2	1	All models		
2 FRAME BRACKET					
2a Wingless, Weld-on, Welded Alignment					
Roadside	S-20196-1	1	-15-001	-15-005	-15-007
Curbside	S-20196-2	1	-15-017	-15-024	-15-501
			-15-518	-15-701	
Roadside	S-20197-1	1	-17-001	-17-005	-17-007
Curbside	S-20197-2	1	-17-024	-17-501	-17-518
			-17-701		
Roadside	S-20286-1	1	-15-016		
Curbside	S-20286-2	1			
Roadside	S-20065-1	1	-17-003	-17-012	-17-019
Curbside	S-20065-2	1	-17-503	-17-520	
Roadside	C-21123-1	1	-17-025		
Curbside	C-21123-2	1			
Roadside	S-14190-1	1	-19-001		
Curbside	S-14190-2	1			
Roadside	S-21454-1	1	-21-003		
Curbside	S-21454-2	1			
Roadside	S-21150-1	1	-23-001		
Curbside	S-21150-2	1			
Roadside	S-21122-1	1	-15-021	-15-025	
Curbside	S-21122-2				
2b Wingless, Bolt-on, QUIK-ALIGN® (Not Shown)					
Roadside	S-23512-1	1	TB17-022		
Curbside	S-23512-2	1			
2c Wingless, Weld-on, QUIK-ALIGN					
Roadside	S-23790-1	1	TB15-001	TB15-023	TB15-024
Curbside	S-23790-2	1	TB15-027	TB15-518	
Roadside	S-24635-1	1	TB17-001	TB17-024	
Curbside	S-24635-2	1			
Roadside	S-23461-1	1	TB19-007	TB19-020	
Curbside	S-23461-2	1			
Roadside	C-23797-1	1	TB15-016		
Curbside	C-23797-2	1			
Roadside	S-21592-1	1	TB16-026	TB17-003	
Curbside	S-21592-2	1			
2d Wingless, Bolt-on, Welded Alignment (Not Shown)					
Roadside	S-22073-1	1	-23-002		
Curbside	S-22073-2	1			
Roadside	S-22281-1	1	-17-022		
Curbside	S-22281-2	1			
Roadside	S-20008-1	1	-17-004		
Curbside	S-20008-2	1			
2e Wingless, Bolt-on, QUIK-ALIGN (Not Shown)					
Roadside	S-24220-1	1	TC15-060		
Curbside	S-24220-2	1			
Roadside	S-24226-1	1	TC15-061		
Curbside	S-24226-2	1			
Roadside	S-24222-1	1	TC17-060		
Curbside	S-24222-2	1			

¹ Lower shock clevis (item # 13) is included with beam assembly.

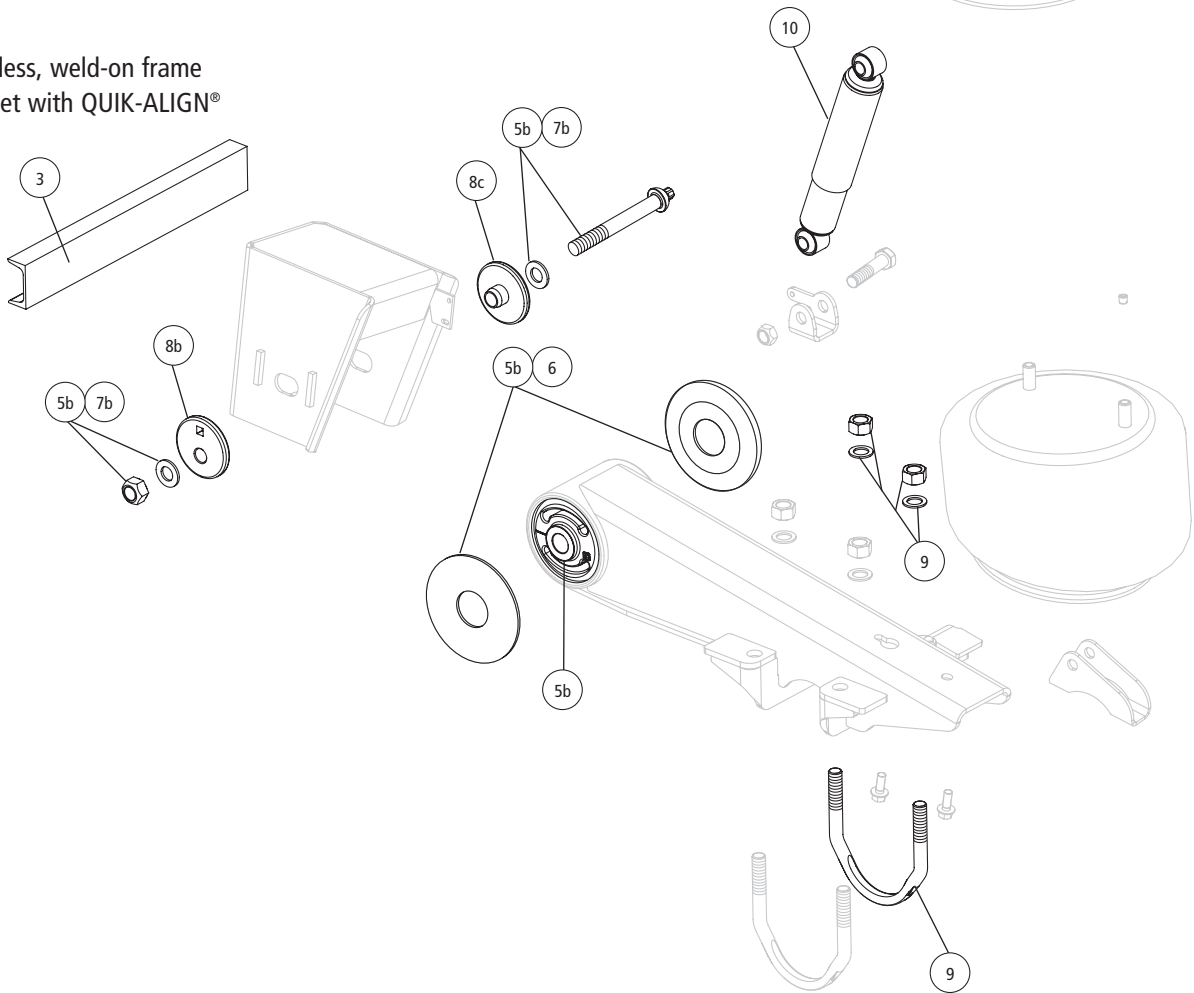
NOTE: Identification tag can be found on the front of the curbside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame
bracket with QUIK-ALIGN®





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT300 ?	OR N-HT300 ?	
2	FRAME BRACKET (Continued)					
	2e Wingless, Bolt-on, QUIK-ALIGN® (Not Shown)					
	Roadside	S-24228-1	1	TC17-061		
	Curbside	S-24228-2	1			
	Roadside	S-24181-1	1	TC19-060	TC19-062	
	Curbside	S-24181-2	1			
	Roadside	S-24251-1	1	TC19-061	TC19-063	
	Curbside	S-24251-2	1			
	2f Winged, Bolt-on, QUIK-ALIGN					
	Roadside	S-25461-1	1	TA15-070		
	Curbside	S-25461-2	1			
	Roadside	S-25618-1	1	TA15-036		
	Curbside	S-25618-2				
	Roadside	S-25462-1	1	TA17-070		
	Curbside	S-25462-2	1			
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models		
4	FRAME BRACKET BRACE (Not Shown)	B-2347-6	2	-21-003	-23-001	
5	TRI-FUNCTIONAL® II BUSHING KIT²					
	5a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube		
	5b QUIK-ALIGN	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube		
6	BUSHING TUBE SPACER	S-21099	4	All models		
7	PIVOT BOLT KIT					
	7a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner		
	7b QUIK-ALIGN	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut		
8	ALIGNMENT COLLARS					
	8a Welded Alignment	S-2770	4	Collars are welded to frame bracket		
	8b Eccentric, QUIK-ALIGN (outer)	S-20925	2	Alignment hole is off center		
	8c Concentric, QUIK-ALIGN (inner)	S-20924	2	Alignment hole is centered		
9	U-BOLT KIT	S-21140/4	4	Includes (1) stepped U-bolt and hardware. Axle spacer is not needed with stepped U-bolt.		
10	SHOCK ABSORBER	S-20126	2	All models except below		
		S-2160	2	-15-007	-15-011	-15-021
				-17-007	-17-011	-17-012
				TB19-007	TB19-020	
		S-21553	2	-15-017	-15-518	-17-518
				-17-520		
		S-24579	2	TB15-027		
		S-21699	2	TB15-518		

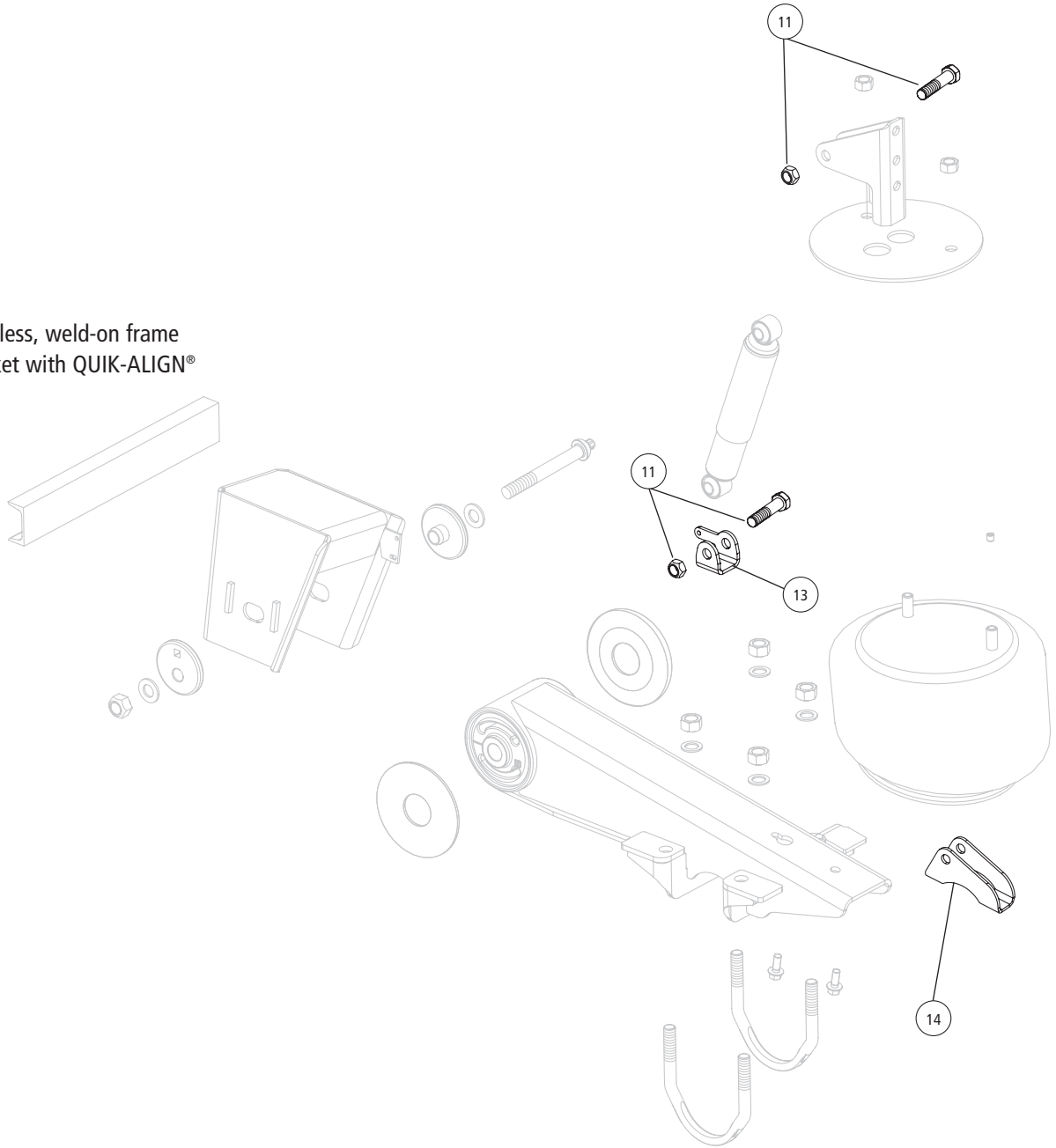
² Bushing tool S-21307 is required to correctly re-bush the suspension.

NOTE: Identification tag can be found on the front of the curbside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.

Wingless, weld-on frame
bracket with QUIK-ALIGN®





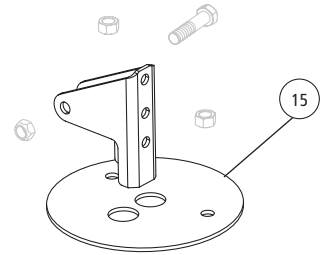
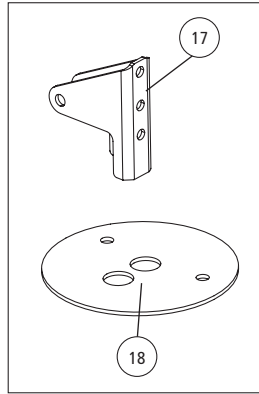
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT300 ?	OR N-HT300 ?	
11	SHOCK BOLT KIT	S-20031/2	2	All models except below		
		S-20218/2	2	-15-010	-17-010	
		S-2157/2	2	-15-007	-15-011	-15-021
				-17-007	-17-011	-17-012
		TB19-007	TB19-020			
12	REMOTE SHOCK MOUNT (Not Shown)					
12a	Upper Assembly	S-2592	2	-15-007	-17-007	-17-012
				TB15-027	TB19-007	TB19-020
12b	Lower Assembly ³	S-20069	2	All models		
12c	Shock Bracket Assembly	S-38151	2	-15-011	-15-021	-17-011
				(Includes shock bracket assembly and shock clevis)		
13	LOWER SHOCK CLEVIS ³	S-20069	2	All models		
14	LOWER SHOCK BRACKET	S-2723	2	-15-007	-15-011	-15-021
				-17-007	-17-011	-17-012
				TB19-007	TB19-020	

³ Lower shock clevis is included with beam assembly (item #1).

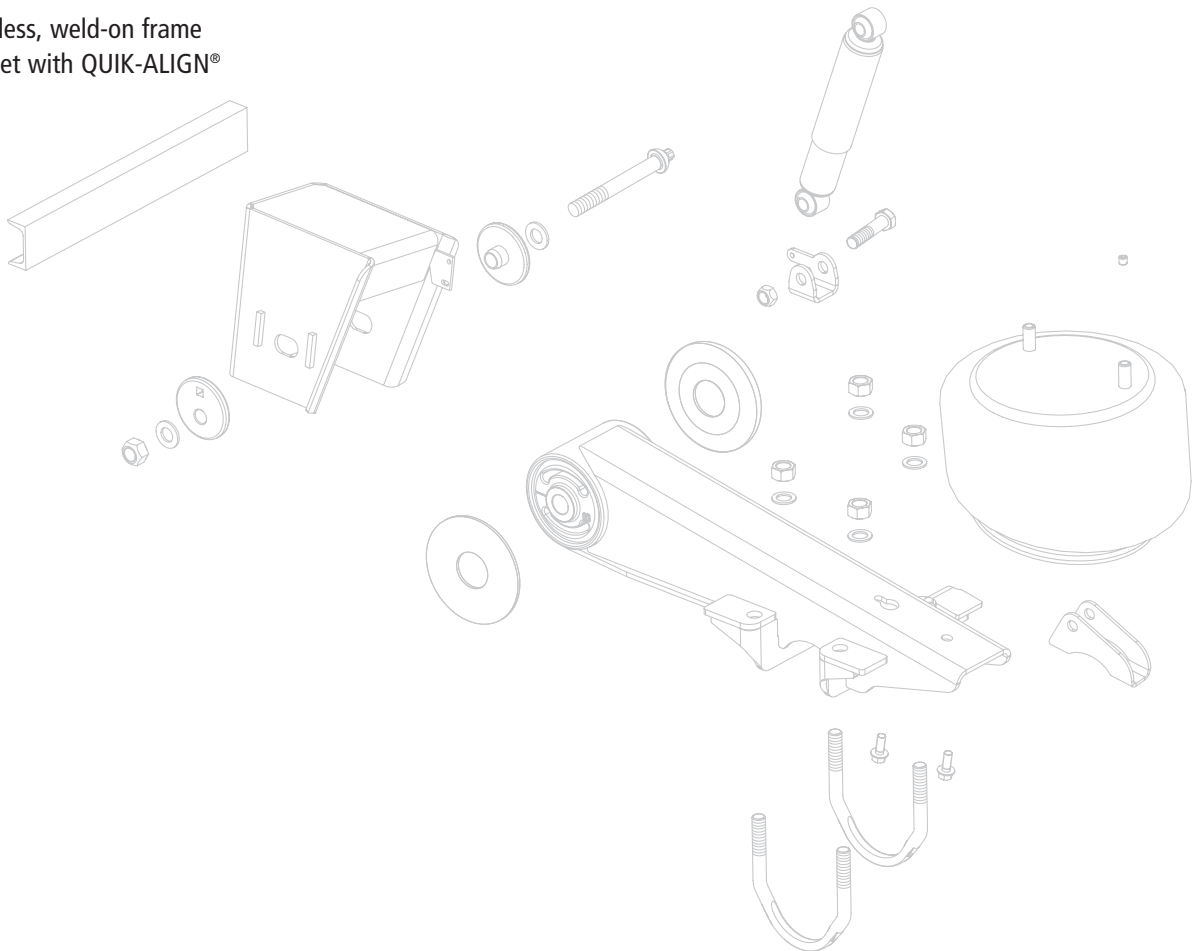
NOTE: Identification tag can be found on the front of the curbside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame
bracket with QUIK-ALIGN[®]





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS		
				HT300 ?	OR N-HT300 ?	
15	AIR SPRING SHOCK MOUNT⁴					
	Roadside	C-20199-1	1	-15-001	-15-005	-15-016
	Curbside	C-20199-2	1	-15-017	-15-024	-15-501
				-15-518	-15-701	TB15-001
				TB15-016	TB15-024	TB15-518
	Roadside	C-20191-1	1	-17-001	-17-005	-17-017
	Curbside	C-20191-2		-17-024	-17-501	-17-518
			1	-17-701	TB17-001	TB17-024
	Roadside	C-20191-3	1	-17-002	-17-022	TA17-070
	Curbside	C-20191-4	1	TB17-022	TC17-060	TC17-061
	Roadside	C-21453-1	1	-21-003		
	Curbside	C-21453-2	1			
	Roadside	C-20188-3	1	-15-002	TA15-036	TA15-070
	Curbside	C-20188-4	1	TC15-060	TC15-061	
	Roadside	C-20195-1	1	-17-003	-17-019	-17-503
	Curbside	C-20195-2	1	-17-520	TB17-003	
	Roadside	C-20195-3		-17-004		
	Curbside	C-20195-4				
	Roadside	C-20708-1	1	-19-001		
	Curbside	C-20708-2	1			
	Roadside	C-20708-3	1	-19-004	TC19-062	TC19-063
	Curbside	C-20708-4	1			
	Roadside	C-24496-1	1	TC19-060	TC19-061	TC19-062
	Curbside	C-24496-2	1			
	Roadside	C-24595-1	1	TB16-026		
	Curbside	C-24595-2	1			
	Roadside	C-24497-1	1	TB19-020		
	Curbside	C-24497-2	1			
16	AIR SPRING SPACER ASSEMBLY⁴ (Not Shown)					
	Roadside	C-20329-1	1	T-17-007		
	Curbside	C-20329-2	1			
	Roadside	C-20309-1	1	T-17-012		
	Curbside	C-20309-2	1			
	Roadside	C-21952-1	1	TB19-007		
	Curbside	C-21952-2	1			
	Roadside and Curbside	C-21149	1 each	-23-001		
	Roadside and Curbside	C-21149-1	1 each	-23-002		
17	UPPER SHOCK BRACKET					
	Roadside	C-21797-1	1	All models except below		
	Curbside	C-21797-2	1			
	Roadside	C-24591-1		TB16-026		
	Curbside	C-24591-2				
18	AIR SPRING PLATE					
		C-20192	2	-15-007		
		C-20193	2	TB15-027		

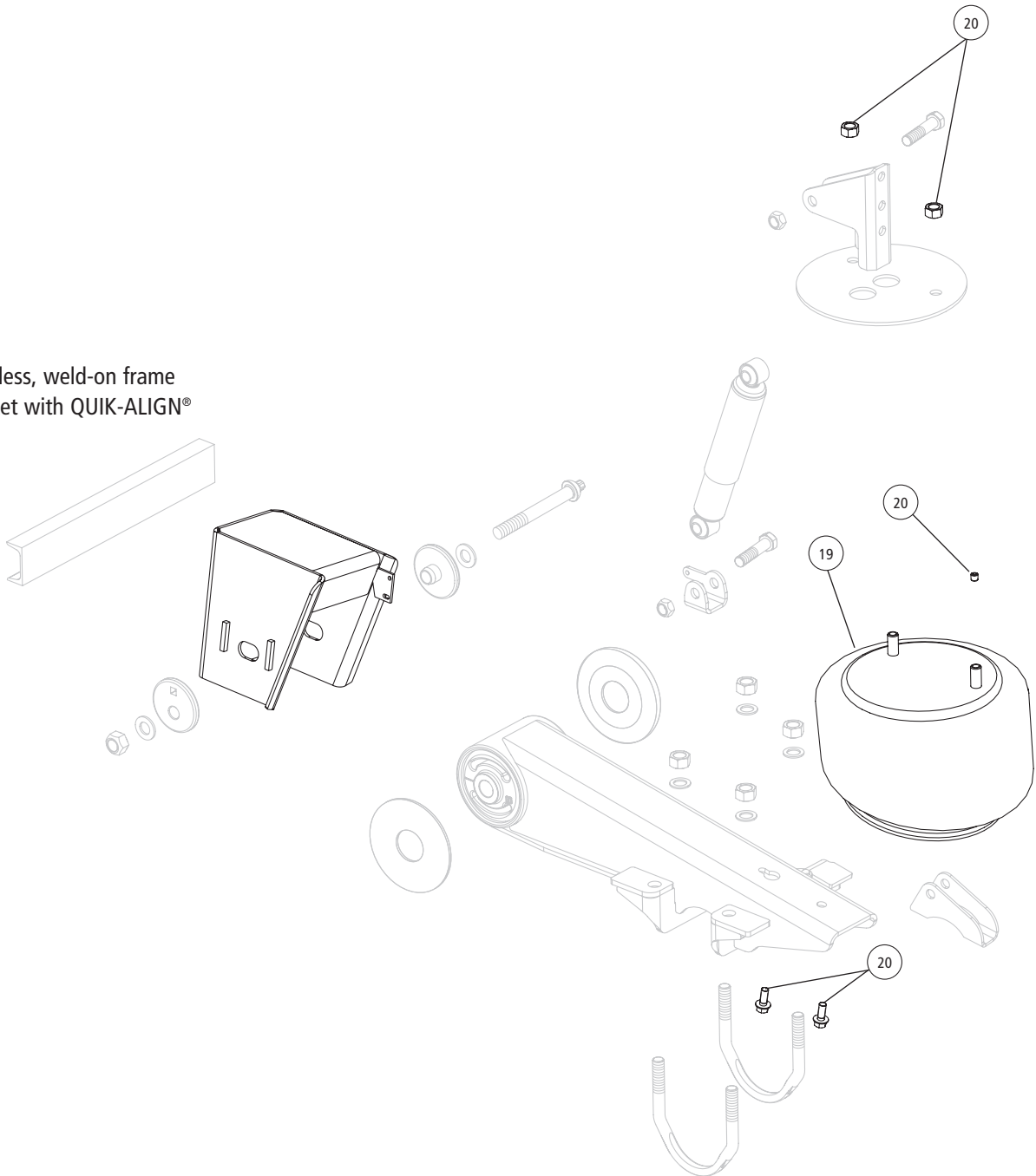
⁴ Component may vary for slider suspensions based on slider box manufacturer. Contact Hendrickson for assistance.

NOTE: Identification tag can be found on the front of the curbside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.

Wingless, weld-on frame
bracket with QUIK-ALIGN®





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS
				HT300 ? OR N-HT300 ?
19	AIR SPRING	S-4771	2	All models
20	AIR SPRING MOUNTING KIT	S-4903/2	2	All models
21	UNIVERSAL HEIGHT CONTROL VALVE (Not Shown)	VS-227	1	Fits all models. Includes height control valve, exhaust line and spacer bracket.
22	UNIVERSAL LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁵	Includes linkage assembly and hardware
23	AUTOMATIC DUMP VALVE (Not Shown)	VS-23460	1 ⁵	Includes dump valve and fittings
24	PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1 ⁵	Includes valve only

⁵ Quantities for air control components are per trailer.

NOTE: Identification tag can be found on the front of the curbside frame bracket or the inside of the curbside beam.



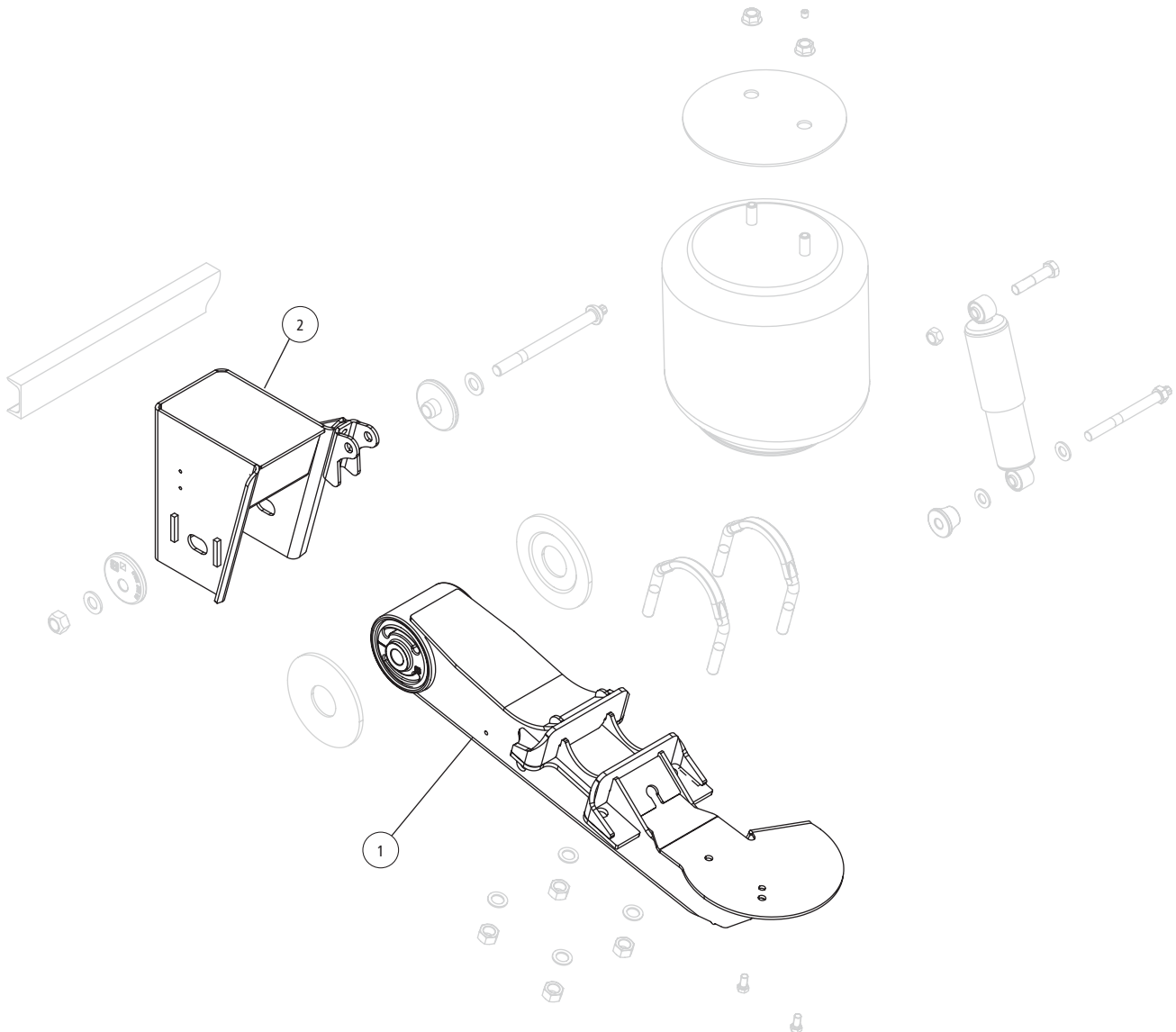
Primary Fixed Suspension System

HT[®] Series Underslung

L1230 - Suspension Components.....	136
L83 - Suspension Components	142
L938 - Suspension Components	148
L582 - Suspension Components	155
L940 - Suspension Components.....	161
L1266 - Frame Brackets.....	278
L1287 - Shocks	297
L1182 - Vehicle Controls.....	305



Picture shown may not resemble all models.



Wingless, weld-on frame bracket
with QUIK-ALIGN® (Shown)

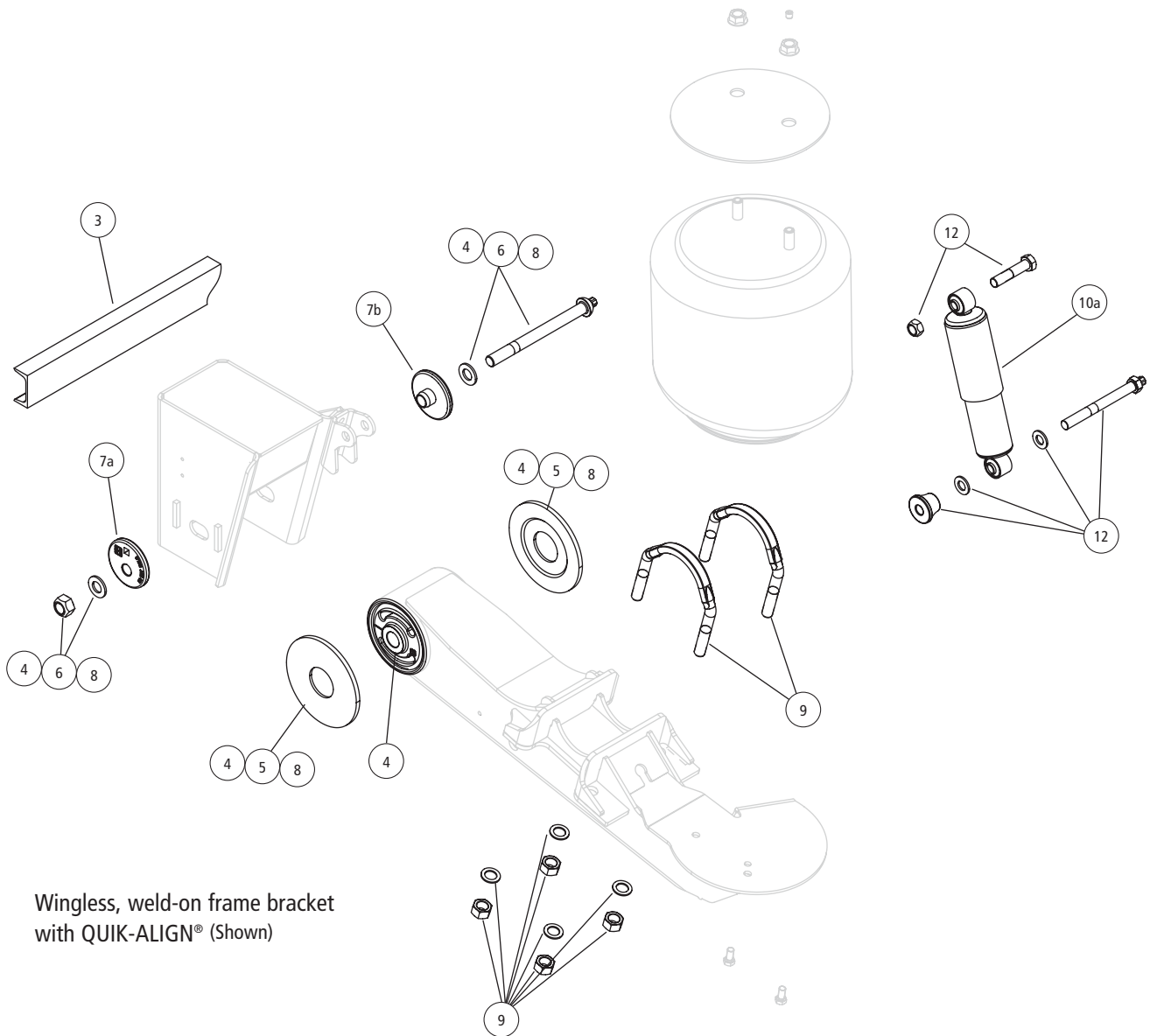
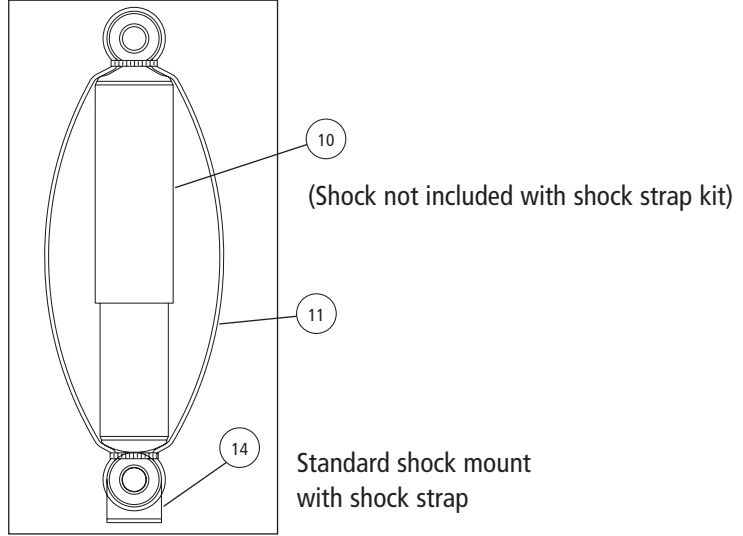
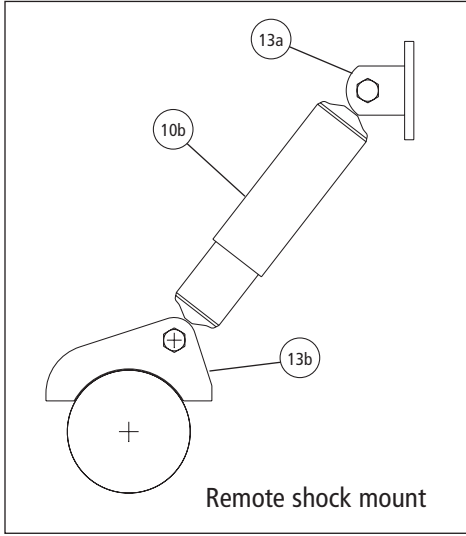


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
1	BEAM ASSEMBLY			
	Roadside	S-32426-1	1	All models
	Curbside	S-32426-2	1	All models
2	FRAME BRACKET			See L1266 Frame Bracket Parts List

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models
4	TRI-FUNCTIONAL® II BUSHING KIT ¹	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube
5	BUSHING TUBE SPACER	S-21099	4	All models
6	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut
7	ALIGNMENT COLLARS			
7a	Eccentric (outer)	S-20925	2	Alignment hole is off center
7b	Concentric (inner)	S-20924	2	Alignment hole is centered
8	BUSHING TUBE SPACER KIT	S-26369	2	Includes round head bolt, hardened washers prevailing torque hex nut and bushing tube spacers
9	U-BOLT KIT	S-21140/4	4	Includes (1) stepped U-bolt and hardware

10 & 11 SHOCK ABSORBERS AND SHOCK STRAP KITS					
ITEM	DESCRIPTION	SHOCK PART NUMBER (10)	QTY. PER SUSP.	SHOCK STRAP KIT NUMBER (11) ²	QTY. PER SUSP.
a	Standard Shock Mount				
	Standard Travel				
	5.5" to 6.5" RH	S-23744	2	C-23086-10	1
	Standard Travel and Limited Jounce				
	7.5" to 17" RH	S-23743	2	C-23086-5	1
	Limited Jounce Travel				
	6.5" RH	S-23744	2	C-23086-10	1
	Extended Rebound Travel				
	6.5" RH	S-24579	2	C-23086-8	1
b	Remote Shock Mount ³				
	Standard Travel				
	5.5" to 6.5" RH	S-23744	2	C-23086-10	1
	14" to 17" RH	S-23316	2	C-23086-6	1
	Standard Travel and Limited Jounce				
	7.5" to 12" RH	S-23743	2	C-23086-5	1
	Limited Jounce Travel				
	6.5" RH	S-23744	2	C-23086-10	1
	14" to 17" RH	S-23316	2	C-23086-6	1
	Extended Rebound Travel				
	6.5" RH	S-23316	2	C-23086-6	1

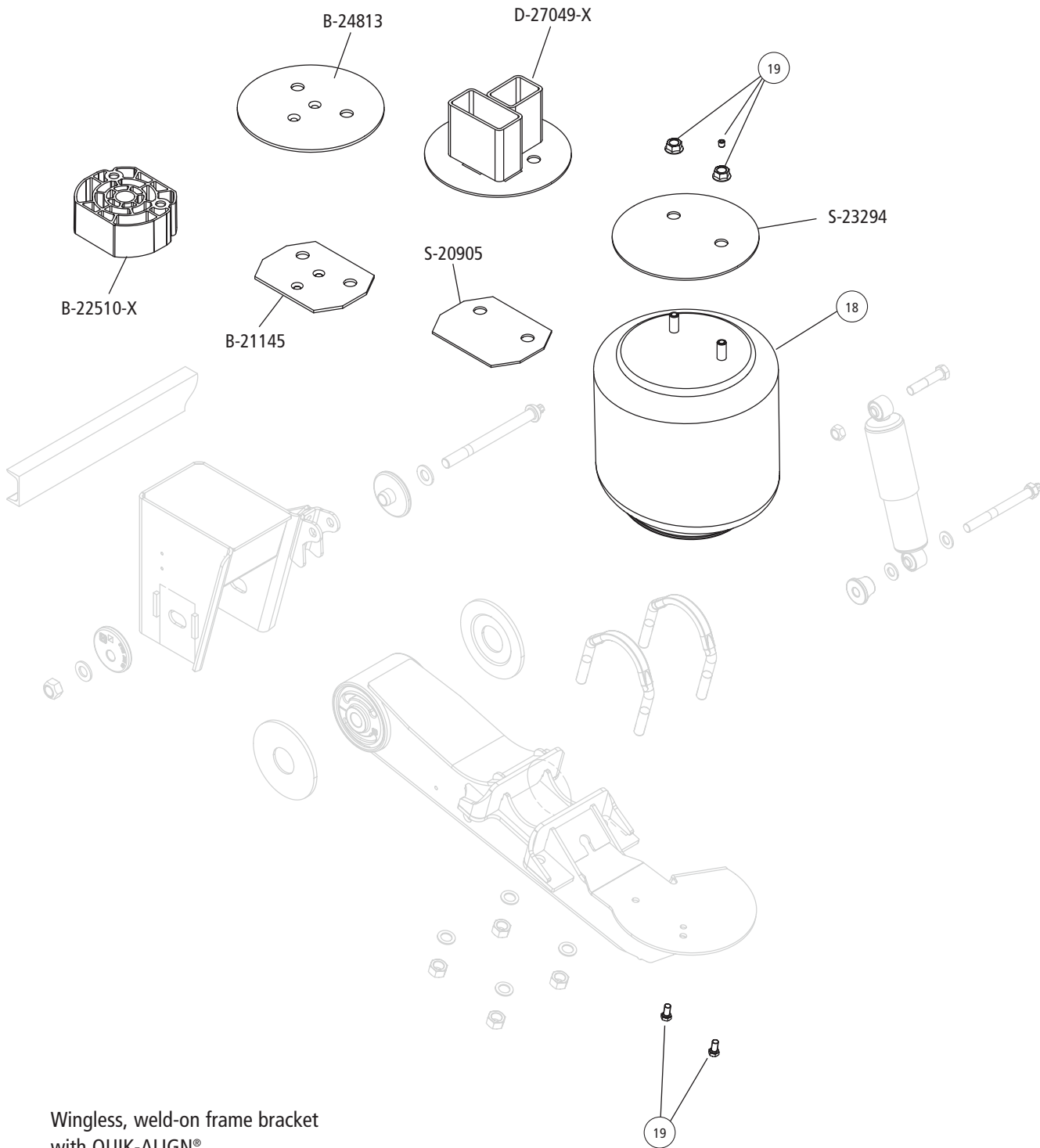
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
12	SHOCK BOLT KIT			(1) Shock bolt is required per shock
	Standard Shock Mount	S-24024	2	
	Standard Shock Mount Lower	S-23642	2	
	Standard Shock Mount Upper	S-2157/2	1	
	Remote Shock Mount	S-2157/2	2	
13	REMOTE SHOCK MOUNT			
	13a Upper Assembly	A-5431	2	
	13b Lower Assembly	S-2723	2	
14	SHOCK STRAP CLEVIS	B-20919	2	Only needed for standard shock mount included in shock strap kit

1. Bushing tool S-21307 is required to correctly re-bush the suspension
2. Shock strap kits: includes (2) straps, (2) clevis and (4) nylon ties
3. Clevis not included and not needed for remote shock mount

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame bracket
with QUIK-ALIGN®

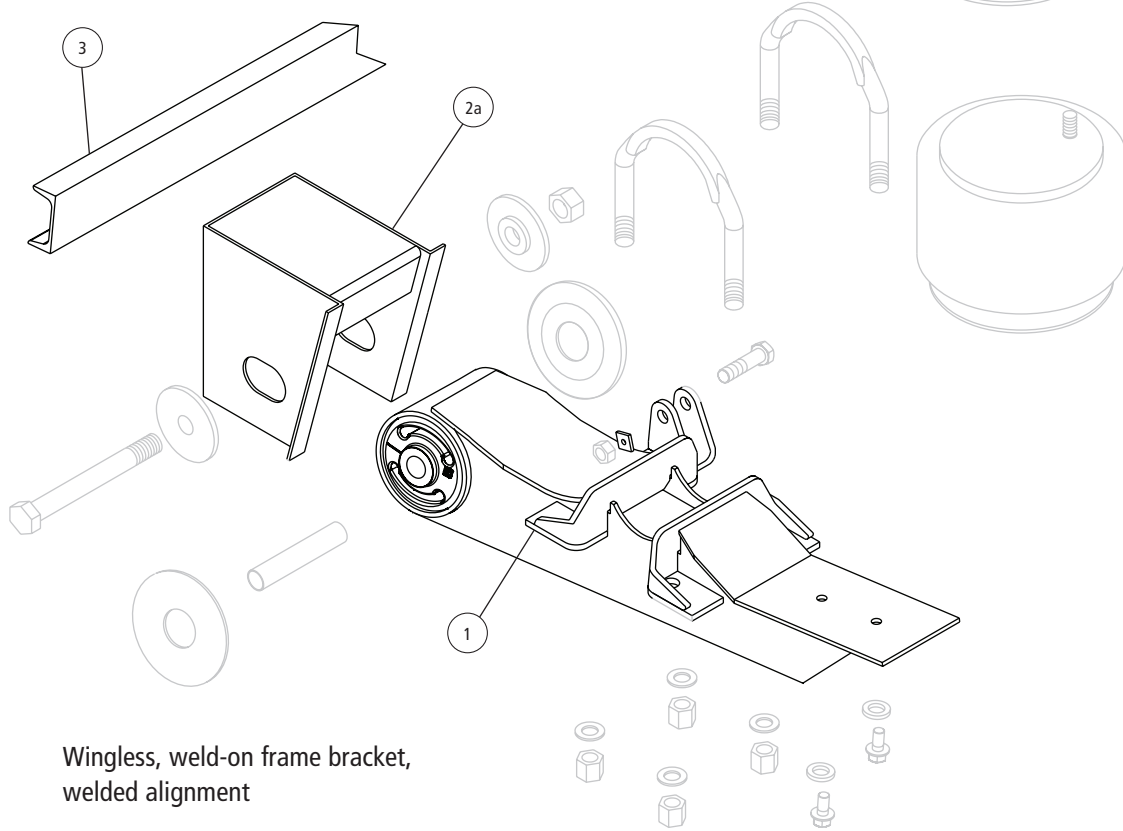
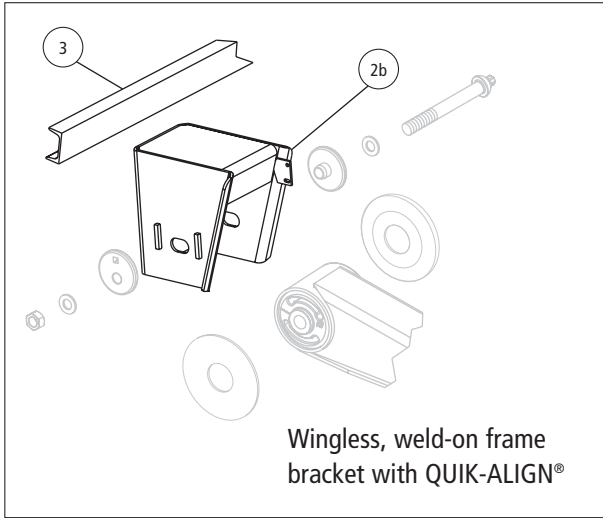


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
15	AIR SPRING MOUNTING PLATE			
	15a Weld-on, Standard Travel			
	5.5" to 12" RH	S-23294	2	For dual combo stud
	5.5" to 9.0" RH	S-21209	2	For single combo stud
	12" RH	S-20905	2	For dual combo stud
	15b Bolt-on, Standard Travel			
	5.5" to 9" RH	B-24813	2	For dual combo stud
	12" RH	S-23294	2	For dual combo stud
	12" RH	B-21145	2	For dual combo stud
16	AIR SPRING SPACER ASSEMBLY			Includes air spring plate and spacer assembly
	Weld-on, Standard Travel			
	14" RH	D-27049-2	2	For dual combo stud
	17" RH	D-27049-4	2	For dual combo stud
17	AIR SPRING SPACER			
	17a Weld-on, Standard Travel			
	12" RH	B-22510-3	2	For dual combo stud
	17b Bolt-on, Standard Travel			
	12" RH	B-22510-3	2	For dual combo stud
18	AIR SPRING	S-25319	2	
	18a Dual Combo Stud	S-25319	2	
	18b Single Combo Rotated Stud	S-20414	2	
19	AIR SPRING MOUNTING KIT			Order (1) kit per air spring
	Weld-on, Standard Travel			
	5.5" to 17" RH	S-25339/2	2	For dual combo stud
	5.5" to 9.0" RH	S-20033/2	2	For single combo stud
	12" RH	S-33437/2	2	For dual combo stud
	Weld-on, Limited Jounce Travel			
	6.5" to 17" RH	S-25339/2	2	For dual combo stud
	6.5" to 7.5" RH	S-33433/2	2	For dual combo stud
	9" RH	S-33434/2	2	For dual combo stud
	Weld-on, Extended Rebound Travel			
	6.5" RH	S-25339/2	2	For dual combo stud
	Bolt-on, Standard Travel			
	5.5" to 12" RH	S-25339/2	2	For dual combo stud
	12" RH	S-33437/2	2	For dual combo stud
	Bolt-on, Limited Jounce Travel			
	6.5" to 9" RH	S-25339/2	2	For dual combo stud
	6.5" to 7.5" RH	S-33433/2	2	For dual combo stud
	9" RH	S-33434/2	2	For dual combo stud

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.





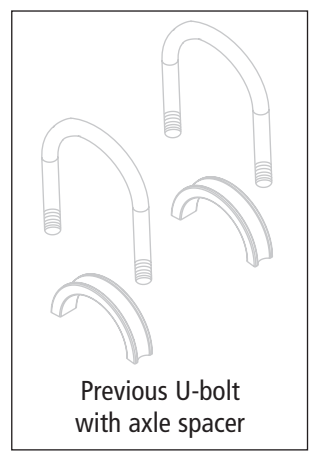
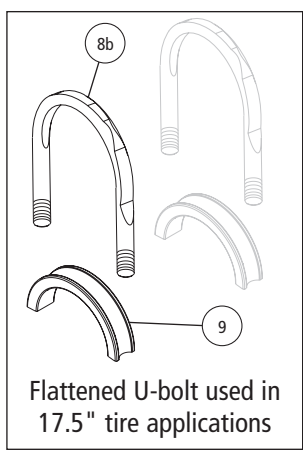
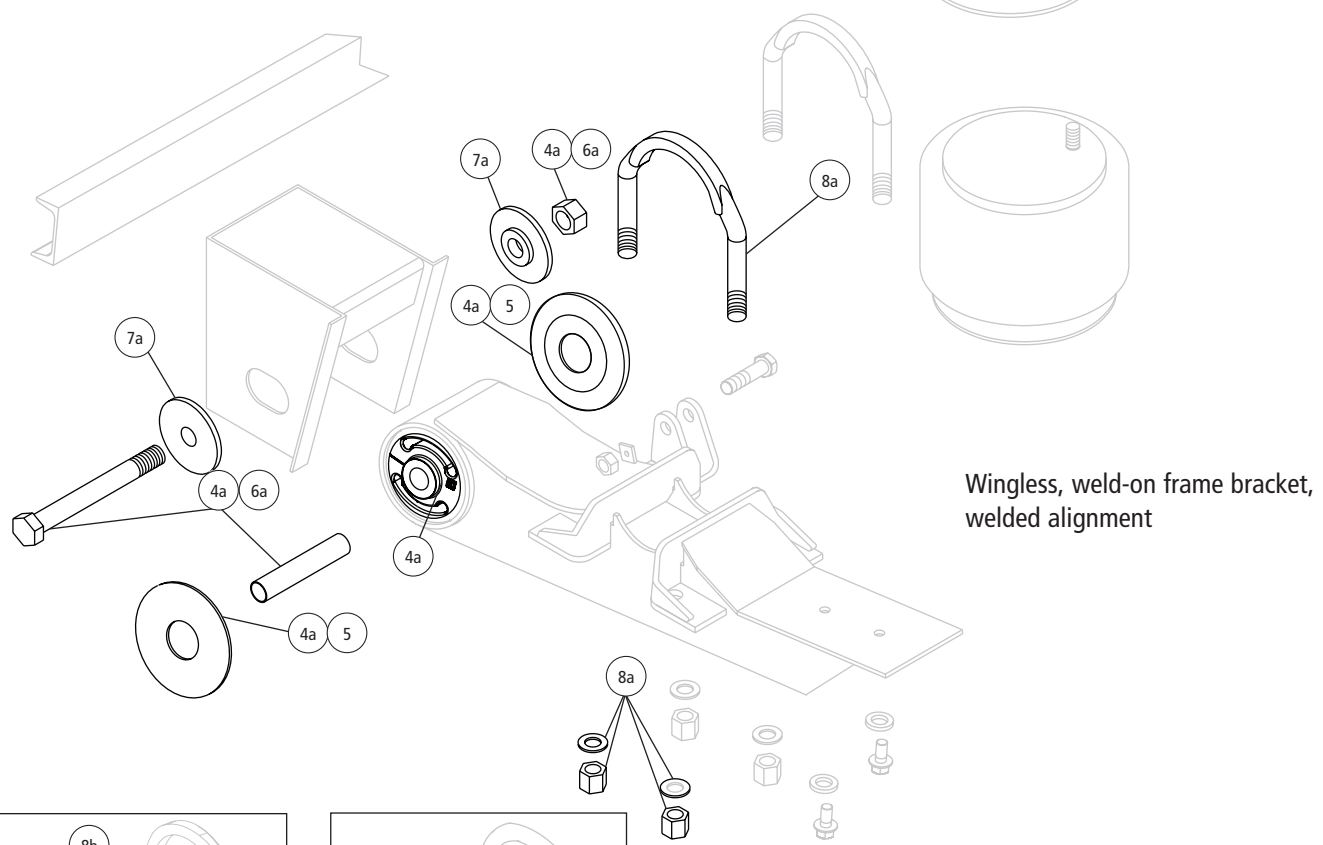
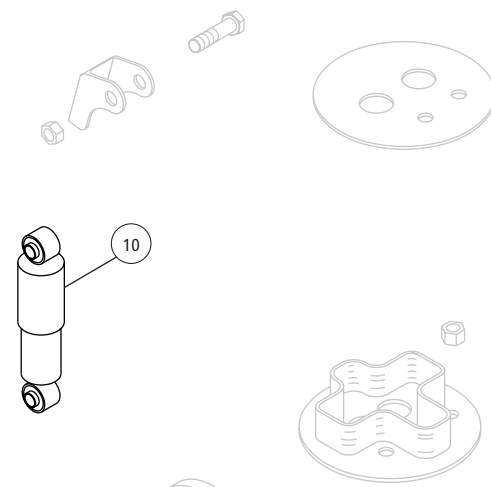
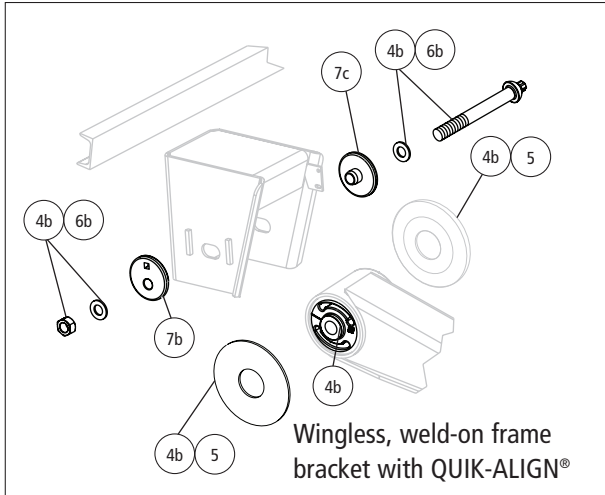
ITEM	DESCRIPTION	PART NO.	QTY.	PER SUSP.	FITS MODELS	HT190 ? or
N-HT190?						
1	BEAM ASSEMBLY¹					
	Roadside	D-20200-1	1		U-6-020 U-7-001	U-7-020
	Curbside	D-20200-2	1		U-7-021 U-7-024	U-7.5-001
					U-7.5-020 U-7.5-501	U-7.5-517
					U-9-001 U-9-003	U-9-020
					U-9-022 U-9-024	U-9-030
					U-12-001 U-12-030	U-12-031
					UB6-020 UB6-022	UB6-030
					UB7-001 UB7-020	UB7-021
					UB7.5-001 UB7.5-020	UB9-001
					UB12-001 UB12-003	
	Roadside	D-20333-1	1		U-6.75-001 U-6.75-002	U-6.75-003
	Curbside	D-20333-2	1		U-6.75-020	
	Roadside	D-20663-1	1		U-9-007	
	Curbside	D-20663-2	1			
2	FRAME BRACKET					
	2a Wingless, Weld-on, Welded Alignment					
	Roadside	S-20211	1		U-9-001 U-9-007	U-9-020
	Curbside	S-20065-2	1		U-9-022 U-9-024	
	Roadside	S-20216	1		U-6-020 U-7-001	U-7-020
	Curbside	S-20064-2	1		U-7-024 U-7.5-001	U-7.5-020
					U-7.5-501 U-7.5-517	
	Roadside and Curbside	C-20222	1 each		U-6.75-001 U-6.75-002	U-6.75-003
					U-6.75-020 U-7-021	
	Roadside	D-15188-1	1		U-12-001	
	Curbside	S-14190-2	1			
	Roadside	S-14959-1	1		U-12-031	
	Curbside	S-14959-2	1			
	2b Wingless, Weld-on, QUIK-ALIGN®					
	Roadside	S-22580	1		UB6-020 UB6-030	UB7-001
	Curbside	S-21590-2	1		UB7-020 UB7-021	UB7.5-001
					UB7.5-020	
	Roadside	D-22601	1		UB9-001 UB9-020	
	Curbside	S-21592-2	1			
	Roadside	D-23265-1	1		UB12-001	
	Curbside	S-23461-2	1			
3	FRAME BRACKET C-CHANNEL	A-1631-19	1		All models	

1. Lower shock mount is included with beam assembly (not available for individual sale).

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS	HT190 ? or N-HT190 ?	
4	TRI-FUNCTIONAL® II BUSHING KIT²					
	4a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube		
	4b QUIK-ALIGN®	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube		
5	BUSHING TUBE SPACER	S-21099	4	All models		
6	PIVOT BOLT KIT					
	6a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner		
	6b QUIK-ALIGN	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut		
7	ALIGNMENT COLLARS					
	7a Welded Alignment	S-2770	4	Collars are welded to frame bracket		
	7b Eccentric, QUIK-ALIGN (outer)	S-20925	2	Alignment hole is off center		
	7c Concentric, QUIK-ALIGN (inner)	S-20924	2	Alignment hole is centered		
8	U-BOLT KIT			Includes (1) U-bolt and hardware		
	8a Standard (with stepped U-bolt)	S-21140/4	4	U-6.75-001	U-6.75-002	U-6.75-003
				U-7-001	U-7-021	U-7-024
				U-7.5-001	U-7.5-501	U-7.5-517
				U-9-001	U-9-003	U-9-007
				U-9-022	U-9-024	U-9-030
				U-12-001	U-12-030	U-12-031
				UB6-030	UB7-001	UB7.5-001
				UB9-001	UB12-001	UB12-003
	8b Flattened³	S-22894/4	4	U-6-020	U-6.75-020	U-7-020
				UB6-020	UB6-022	UB7-020
				UB7-021	UB9-020	
9	AXLE SPACER⁴	S-20701	4	For use with flattened U-bolt only		
10	SHOCK ABSORBER	S-20001	2	U-6-020	U-7-001	U-7-020
				U-7-021	U-7-024	U-7.5-001
				U-7.5-020	U-7.5-501	U-9-001
				U-9-003	U-9-007	U-9-020
				U-9-024	U-9-030	U-12-001
				U-12-030	U-12-031	UB6-020
				UB6-022	UB6-030	UB7-001
				UB7-020	UB7.5-001	UB7.5-020
				UB9-001	UB9-020	UB12-001
				UB12-003		
		S-20002	2	U-7.5-517		
		S-2212	2	U-6.75-001	U-6.75-002	U-6.75-003
				U-6.75-020		
		S-23649	2	U-9-022	UB7-021	
11	SHOCK STRAP KIT (Not Shown)			Includes (4) nylon ties and (2) shock straps		
		S-14587-1	1	Use with S-20001 or S-20002 shock		
		S-14587-3	1	Use with S-2212 shock		
		S-23086-5	1	Use with S-23649 shock		

2. Bushing tool S-21307 is required to correctly re-bush the suspension.

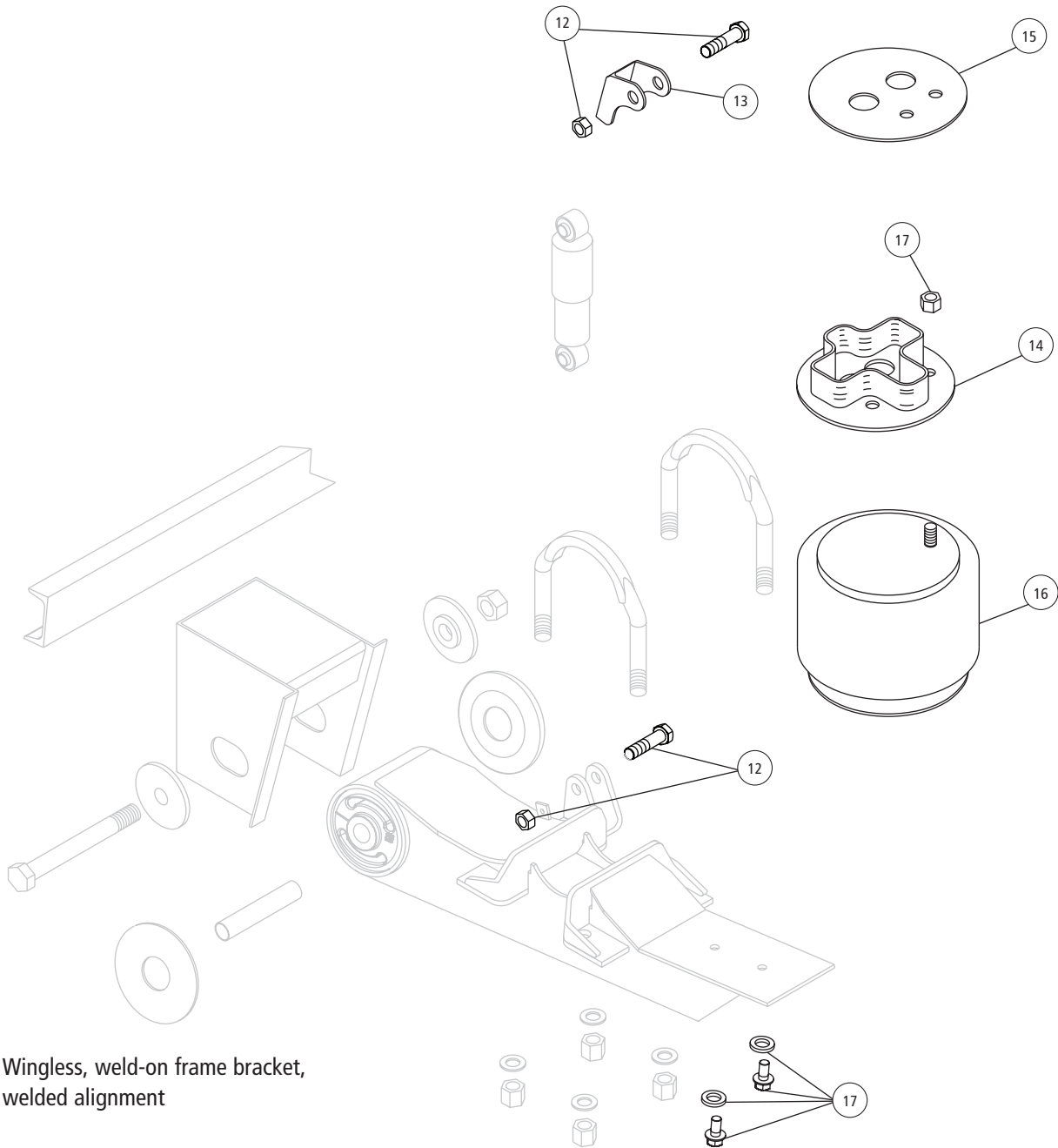
3. Must order axle spacer (item #9).

4. Must order with flattened U-bolt (item #8b).

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame bracket,
welded alignment



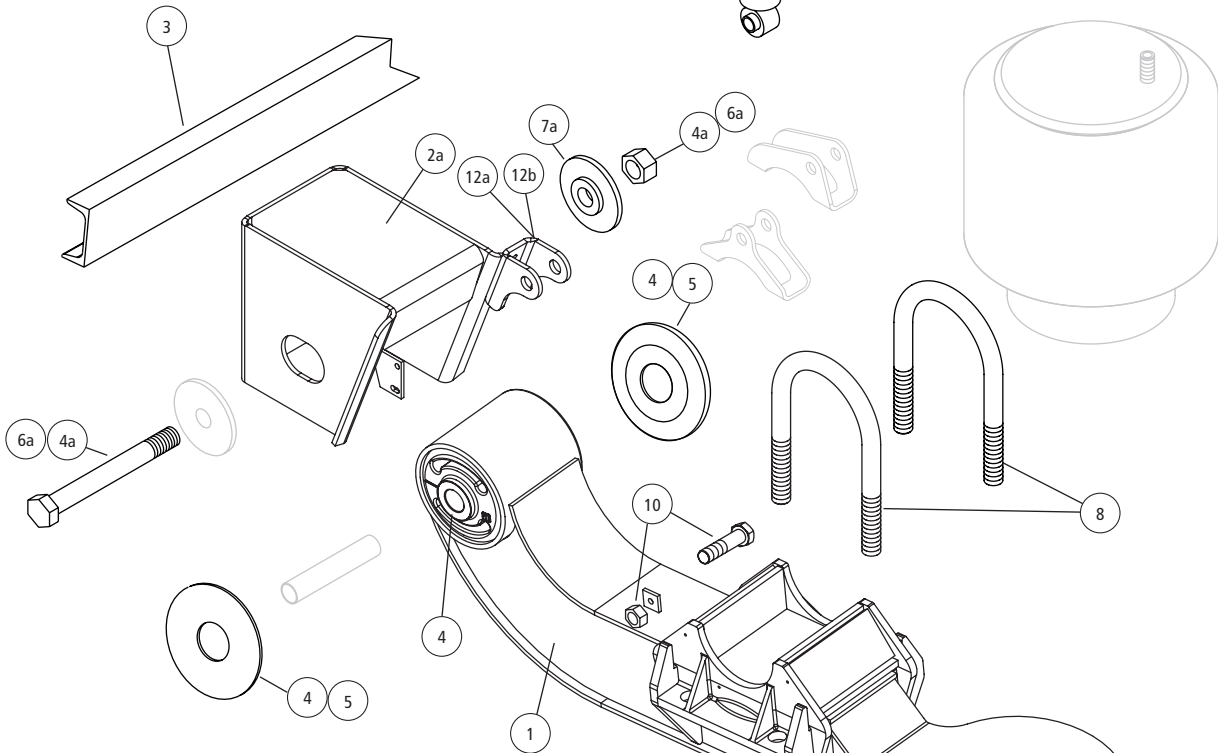
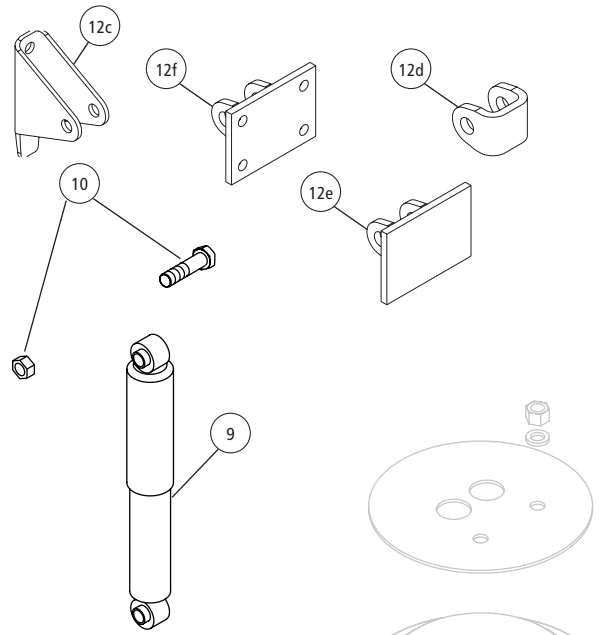
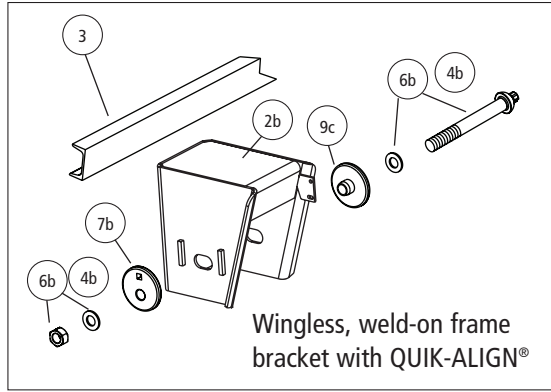
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS	HT190 ? or							
12	SHOCK BOLT KIT	S-20218/2	2	U-6-020	U-7-001	U-7-020						
				U-7-021	U-7-024	U-7.5-001						
				U-7.5-020	U-7.5-501	U-7.5-517						
				U-9-001	U-9-003	U-9-007						
				U-9-020	U-9-022	U-9-024						
				U-9-030	U-12-001	U-12-030						
				U-12-031	UB6-020	UB6-022						
				UB6-030	UB7-001	UB7-020						
				UB7-021	UB7.5-001	UB7.5-020						
				UB9-001	UB9-020	UB12-001						
				UB12-003								
				S-2157/2	2	U-6.75-001	U-6.75-002	U-6.75-003				
						U-6.75-020						
				13	UPPER SHOCK CLEVIS	S-20113	2	U-6-020	U-7-001	U-7-020		
U-7-021	U-7-024	U-7.5-001										
U-7.5-020	U-7.5-501	U-7.5-517										
U-9-001	U-9-020	U-9-022										
U-9-024	U-12-001	U-12-031										
UB6-020	UB6-030	UB7-001										
UB7-020	UB7-021	UB7.5-001										
UB7.5-020	UB9-001	UB9-020										
UB12-001	UB12-003											
S-2592	2	U-9-007										
14	AIR SPRING SPACER ASSEMBLY							Includes air spring plate and assembly				
								C-20016-1	2	U-7.5-001	U-7.5-020	U-7.5-501
										U-7.5-517	UB7.5-001	UB7.5-020
								C-20016-2	2	U-9-001	U-9-007	U-9-020
						U-9-022	U-9-024	UB9-001				
		UB9-020										
		C-20016-5	2	U-12-001	U-12-031	UB12-001						
15	AIR SPRING PLATE	B-21258	2	U-6-020	U-7-001	U-7-020						
				U-7-024	UB6-020	UB6-030						
				UB7-001	UB7-020	UB7-021						
16	AIR SPRING	S-20217	2	All models								
17	AIR SPRING MOUNTING KIT	S-20033/2	2	All models								
18	AIR SPRING CROSSTUBE ASSEMBLY (Not Shown)	D-20221	1	U-6.75-001								
				D-21094	1	U-6.75-002	U-6.75-020					
				D-21095	1	U-6.75-003						
19	UNIVERSAL HEIGHT CONTROL VALVE (Not Shown)		VS-227	1 ⁵	Fits all models. Includes height control valve,							
					exhaust line and spacer bracket							
20	UNIVERSAL LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁵	Includes linkage assembly and hardware								
21	AUTO DUMP VALVE (Not Shown)	VS-23460	1 ⁵	Includes dump valve and fittings								
22	PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1 ⁵	Includes valve only								

5. Quantities for air control components are per trailer

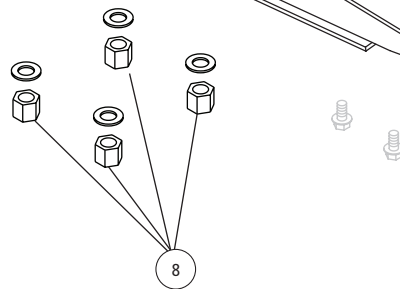
NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame bracket, welded alignment



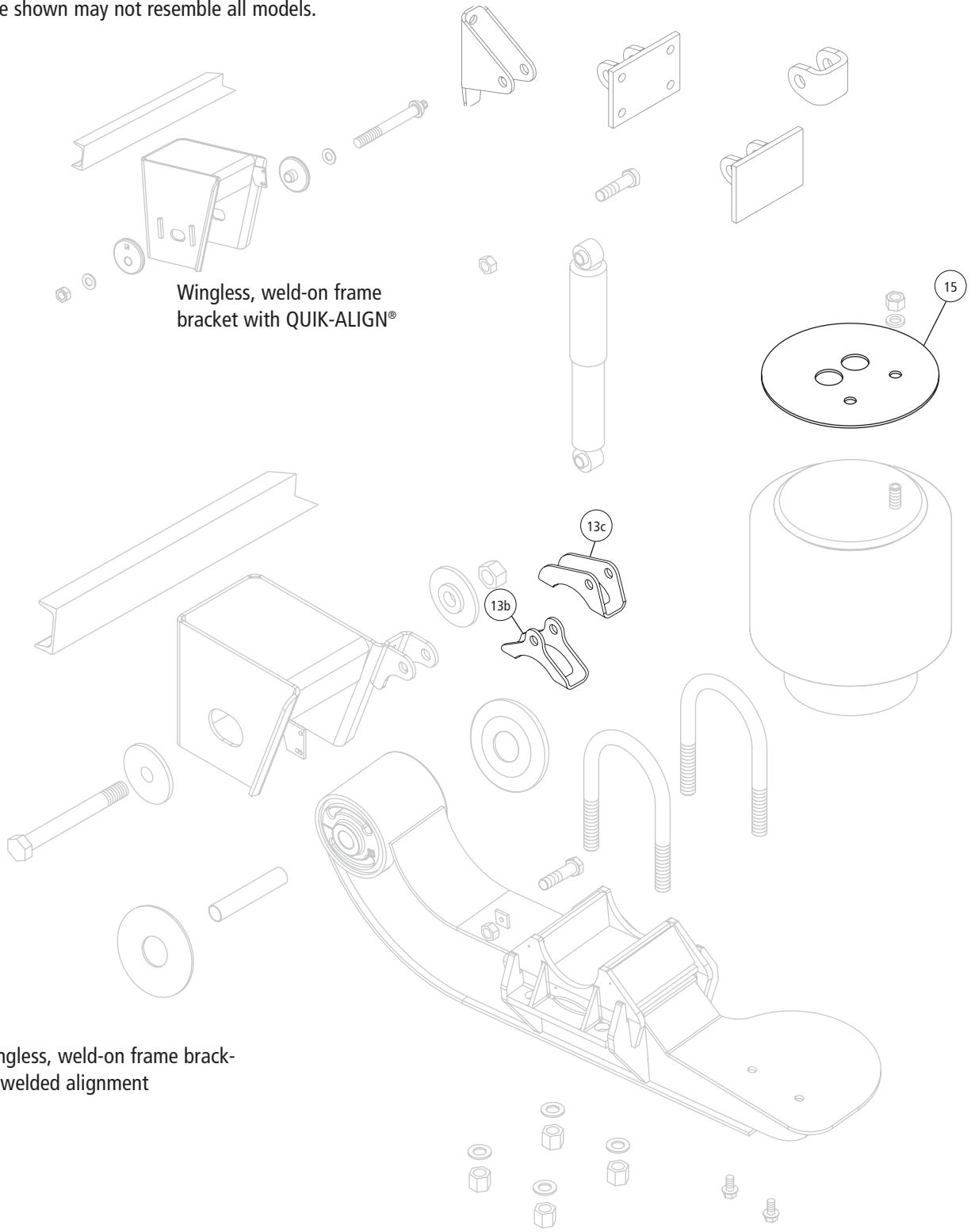


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT250? OR NHT250? OR HC250?
1	BEAM ASSEMBLY			
	Roadside	S-20335-1	1	All models except those listed below
	Curbside	S-20335-2	1	
	Roadside	S-20338-1	1	U-7.5-021 U-7.5-022 U-7.5-521 U-9.2-026
	Curbside	S-20338-2	1	
	Roadside	S-20338-3	1	U-9-020 U-9-021 U-9-023 U-9.2-013 U-9.2-030 U-15-022 UB9-022 UB15-022
	Curbside	S-20338-4	1	
	Roadside	S-20338-5	1	UB.x & UBxx-DBxxx disc brake approved configurations
	Curbside	S-20338-6	1	
2	FRAME BRACKET			See L1266 Frame Bracket Parts List
3	FRAME BRACKET SUPPORT / C-CHANNEL	A-1631-19	1	All models; if suspension beam centers are between 35-41"
4	TRI-FUNCTIONAL® II BUSHING KIT			
	4a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube
	4b Eccentric washer, QUIK-ALIGN®	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube
5	BUSHING TUBE SPACER	S-21099	4	All models
6	PIVOT BOLT KIT			
	6a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner
	6b QUIK-ALIGN	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut
7	ALIGNMENT COLLAR			
	7a Welded Alignment	S-2770	4	Collars are welded to frame bracket
	7b Eccentric washer, QUIK-ALIGN	S-20925	2	Bolt hole is offset from center to collar
	7c Concentric washer, QUIK-ALIGN	S-20924	2	Pivot bolt hole is center of collar
8	U-BOLT KIT, RD	S-3650/4	4	All models
9	SHOCK ABSORBER			See L1287 Shock and Shock Strap Parts List
10	SHOCK BOLT KIT	S-2157/2	2	All models
11	SHOCK STRAP KIT			See L1287 Shock and Shock Strap Parts List
12	UPPER SHOCK CLEVIS			
	12a Mounted on FB	S-2592	2	All models except those listed below
	12b Mounted on FB	S-20113	2	U-6.5-007 U-6.5-024 U-6.5-001 U-6.5-008 U-6.5-011 U-6.5-020 U-6.5-021 U-6.5-027 U-6.5-517 U-7.5-005 U-6.5-002 U-6.5-003 U-6.5-022 UB6.5-001 UB6.5-022 UB6.5-517 UB7.5-005 UB6.5-002
	12c Forward mount on trailer frame	S-20023	2	U-6.5-030 U-6.5-031
	12d Rear mount on trailer frame WO clevis only	S-2592	2	UB7.5-DB1 UB9-DB1 UB9-DB020 UB9-DB021 UB9-4DB1
	12e Rear mount on trailer frame WO clevis & plate	S-5431	2	UB.x UB6.5-DB1 UB7.5-DB2 UB9-DB2
	12f Rear mount on trailer frame BO clevis & plate	S-38151	2	UB.x

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame bracket with QUIK-ALIGN®

Wingless, weld-on frame bracket, welded alignment

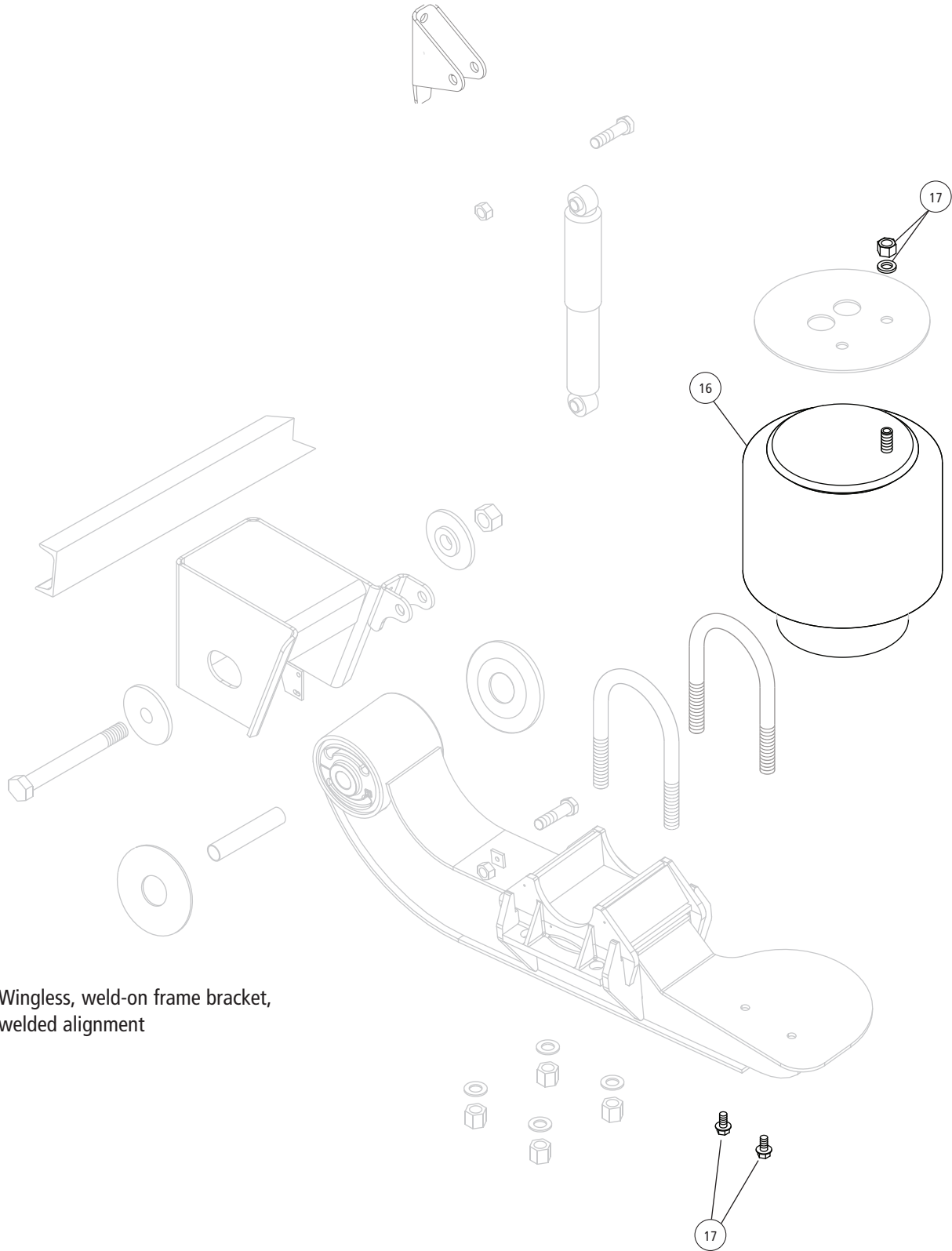


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT250? OR NHT250? OR HC250?
13	LOWER SHOCK CLEVIS			
13a	On beam (not shown)	S-2592	2	
13b	On axle; hole centered	S-32444	2	UB.x UB6.5-DB1 UB9-DB020 UB9-DB021
13c	On axle; hole off center	S-2723	2	UB7.5-DB1 UB7.5-DB2 UB9-DB1 UB9-DB2 UB9-4DB1
14	AIR SPACER ASSEMBLY (not shown)			
14a	WO 1" Thick	S-21210-1	2	U-6.5-022 U-7.5-002
14b	WO 2" Thick	S-21210-2	2	UB.X (WO Limited Jounce Travel 7.5 RH) UB7.5-DB2 UB9-DB2
14c	WO 3" Thick	S-21210-3	2	U-9-002 U-9-029 U-12-001 U-12-006 U-12-008 U-12-517 UB12-001 UB12-006 UB12-027 UB12-028
14d	WO 4" Thick	S-21210-4	2	UB.X (WO Limited Jounce Travel 9.0 RH) U-9-024 U-12-002 U-12-024 U-14-001 U-14-006 U-14-008 U-14-028 U-14-517 UB9-002 UB9-013 UB14-001 UB14-006 UB14-027 UB14-028
14e	BO 3-3/16" Thick	S-21215-3	2	U-12-007 U-12-026
14f	BO 4-3/16" Thick	S-21215-4	2	UB.X (BO Limited Jounce Travel 9.0 RH) U-14-026 UB14-023
14g	BO 5-3/16" Thick	S-21215-5	2	U-14-007
15	AIR SPRING PLATE			
15a	STD WO Plate	S-21209	2	UB.X (STD Travel 6.5, 7.5, 9.0 RH) U-6.5-001 U-6.5-002 U-6.5-008 U-6.5-011 U-6.5-020 U-6.5-023 U-6.5-024 U-6.5-027 U-6.5-030 U-6.5-031 U-6.5-517 U-7.5-001 U-7.5-005 U-7.5-008 U-7.5-017 U-7.5-027 U-7.5-517 U-9-001 U-9-006 U-9-008 U-9-010 U-9-022 U-9-027 U-9-028 U-9-517 UB6.5-001 UB6.5-002 UB6.5-517 UB6.5-522 UB7.5-001 UB7.5-005 UB7.5-522 UB9-001 UB9-010 UB9-522 UB6.5-DB1 UB7.5-DB1 UB9-DB1 UB9-DB020 UB9-DB021 UB9-4DB1
15b	STD BO PLATE	S-21211	2	UB.X (STD TRAVEL 6.5, 7.5, 9.0 RH) U-6.5-007 U-7.5-007 U-9-007
15c	MULTI PATTERN PLATE	S-11134	2	U-7.5-021 U-7.5-022 U-9-021 U-9-023 U-9.2-026 U-15-022 UB9-022 UB15-022

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame bracket,
welded alignment

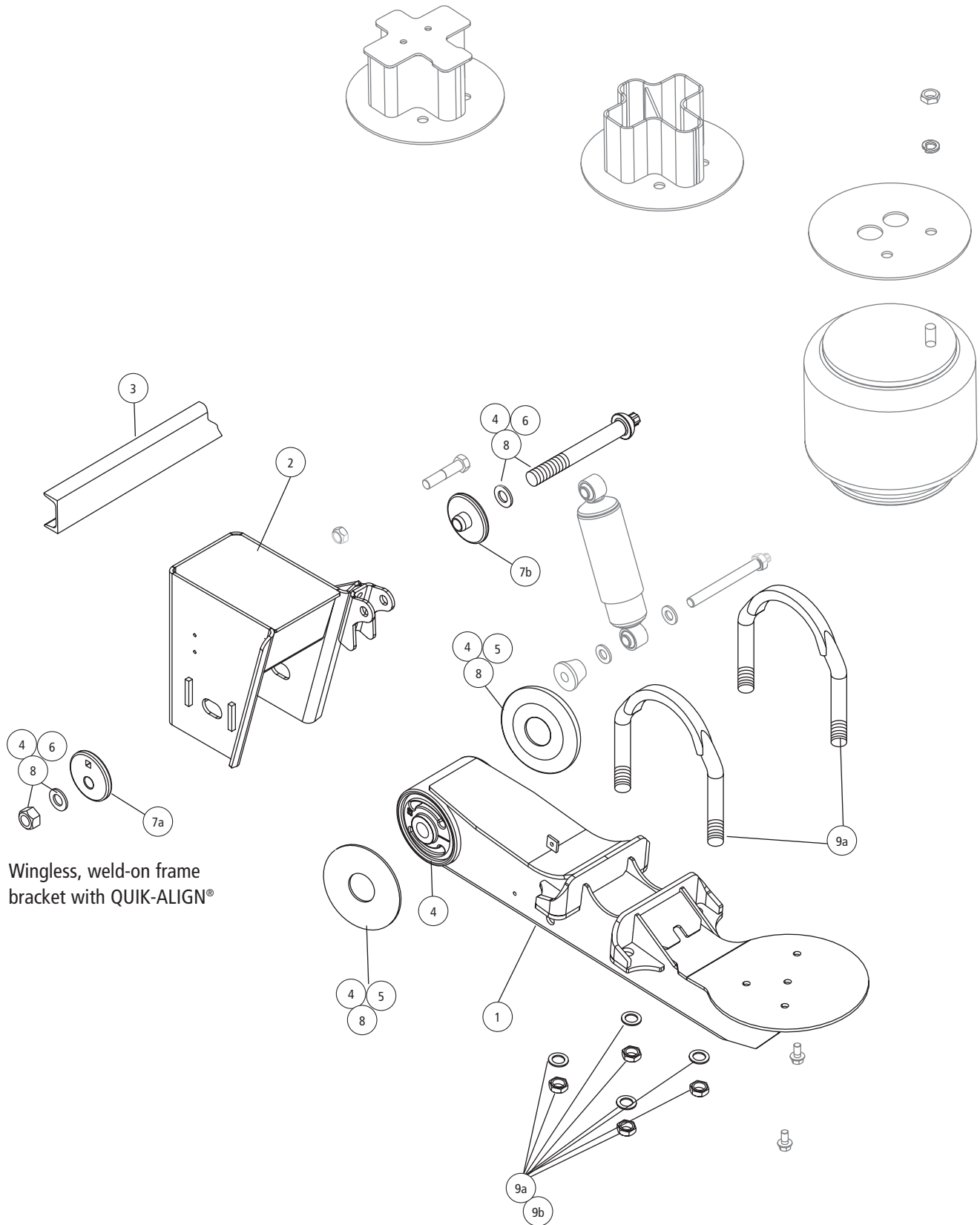


ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT250? OR NHT250? OR HC250?
16	AIR SPRING			
16a	Std. Mount, High Pressure	S-20124	2	UB.x (STD A/S) All hard bill models except below
16b	Std. Mount, Std. Pressure	S-20127	2	UB.x (HI PSI STD) U-9-006 U-9-028 U-9-029 U-12-006 U-14-006 U-14-028 UB9-DB020 UB12-006 UB12-028 UB14-006 UB14-028
16c	Rotated Mount, High Pressure	S-20413	2	U-6.5-011 U-6.5-023
16d	Rotated Mount, Std. Pressure	S-20414	2	U-9-010 UB9-010
16e	Std. Mount High Pressure Short Bellows	S-20716	2	U-6.5-002 U-6.5-003 U-6.5-022 U-6.5-030 U-6.5-031 U-6.5-002
16f	Dual Combo Stud	S-13122	2	U-9-020 U-9-021 U-9-023 U-9.2-013 U-9.2-026 U-15-021 U-15-022 U-15-023 UB9-022 UB15-022 UB15-023
16g	One Combo Stud & One Stud	S-14249	2	U-7.5-021 U-7.5-022 U-7.5-521
17	AIR SPRING MOUNTING KIT			
17a	3/4-16 nut and lockwasher and two 1/2-13x1" flanged bolts	S-20033/2	2	Used with air springs: s-20124, s-20127, s-20413, s-20414, s-20716
17b	two 3/4-16 nuts & lockwasher and two 1/2-13x1" bolts, one 1/4 NPTF Plug	S-4093/2	2	Used with air spring: s-13122
17c	3/4-16 hex nut & 1/3-13 hex nut two 1/2-13x1" flanged bolts	S-1981/2	2	Used with air spring: s-14249

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame
bracket with QUIK-ALIGN®



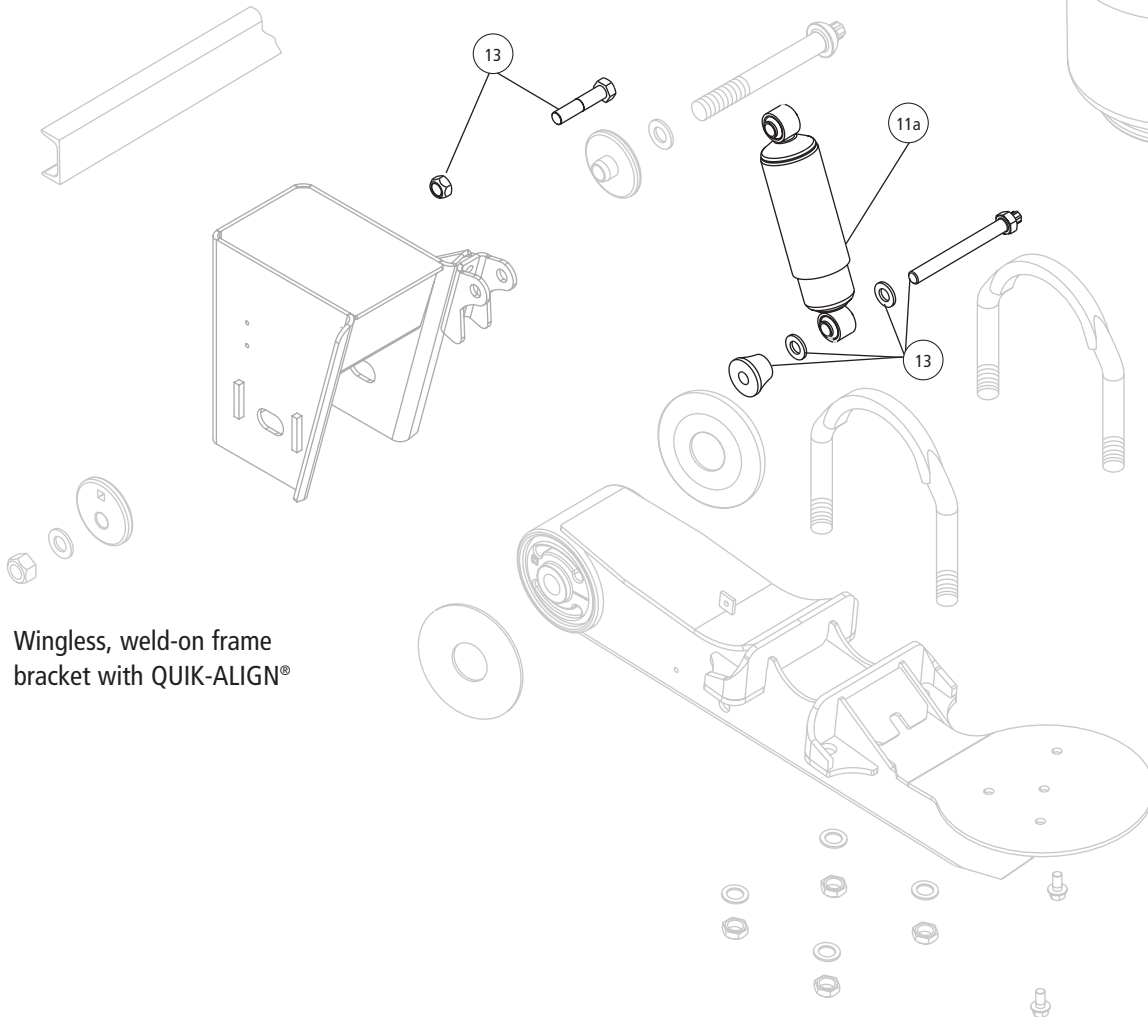
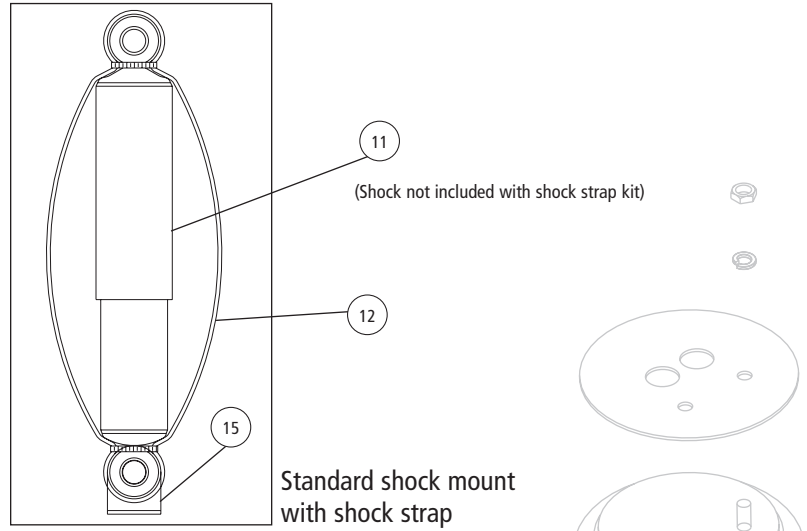
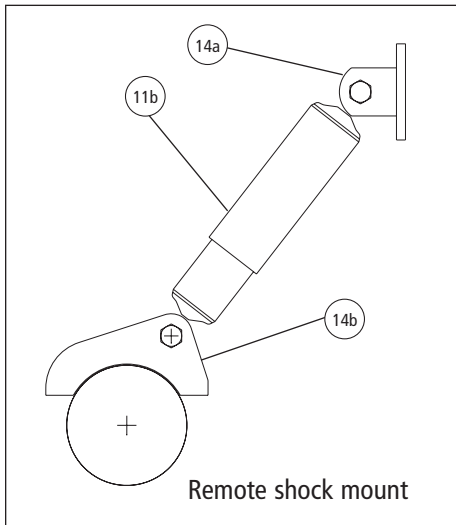
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
1	BEAM ASSEMBLY			
	Standard			
	Roadside	S-24186-1	1	All models except steer axles
	Curbside	S-24186-2	1	All models except steer axles
	Steer (Not Shown)			
	Roadside	S-29303-1	1	Steer axles only
	Curbside	S-29303-1	1	Steer axles only
2	FRAME BRACKET¹			See L1266 Frame Bracket Parts List
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models
4	TRI-FUNCTIONAL® II BUSHING KIT²	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube
5	BUSHING TUBE SPACER	S-21099	4	All models
6	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut
7	ALIGNMENT COLLARS			
	7a Eccentric	S-20925	2	Alignment hole is off center
	7b Concentric	S-20924	2	Alignment hole is centered
8	BUSHING TUBE SPACER KIT	S-26369	2	Includes round head bolt, hardened washers, prevailing torque hex nut and bushing tube spacers
9	U-BOLT KIT			
	9a 19.5" or Larger Tires	S-21140/4	4	Includes (1) stepped U-bolt and hardware; axle spacer is not needed
	9b 17.5" Tires	S-22894/4	4	Includes (1) flattened U-bolt and hardware; axle spacer is needed with flattened U-bolt
10	AXLE SPACER	S-20701	4	Axle spacer is not needed with stepped U-Bolt. For use with flattened U-bolt only. Must order with 9b.

1. Other options exist. Contact Hendrickson for assistance.
2. Bushing tool S-21307 is required to correctly re-bush the suspension.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.





11 & 12 SHOCK ABSORBERS AND SHOCK STRAP KITS				
DESCRIPTION	SHOCK PART NO. (11)	QTY PER SUSP.	SHOCK STRAP KIT NO. (12) ³	QTY PER SUSP.
a Standard Shock Mount				
Standard Travel				
3.5" to 4" RH	S-23548	2	C-23086-11	1
5.5" to 6.5" RH	S-23650	2	C-23086-3	1
7.5" to 14" RH	S-23649	2	C-23086-5	1
Standard Travel - High Damping				
5.5" to 6.5" RH	S-23744	2	C-23086-10	1
7.5" to 14" RH	S-23743	2	C-23086-5	1
Limited Jounce				
6.5" to 12" RH	S-23649	2	C-23086-5	1
Limited Jounce - High Damping				
6.5" to 12" RH	S-23743	2	C-23086-5	1
Extended Rebound				
6.5" RH	S-23651	2	C-23086-4	1
Extended Rebound - High Damping				
6.5" RH	S-24579	2	C-23086-8	1
b Remote Shock Mount ⁴				
Standard Travel				
5.5" to 6.5" RH	S-23650	2	S-14587-91	
7.5" to 9" RH	S-23649	2	S-14587-10	1
12" to 14" RH	S-2212	2	S-14587-31	
Standard Travel - High Damping				
5.5" to 6.5" RH	S-23744	2	S-14587-11	1
7.5" to 9" RH	S-23743	2	S-14587-10	1
Extended Rebound				
6.5" to 9" RH	S-2212	2	S-14587-31	
Extended Rebound - High Damping				
6.5" to 9" RH	S-23316	2	S-14587-31	
c Angled and Frame Clearance Mounting (Not Shown)				
Standard Travel				
6.5", 7.5" and 14" RH	S-23651	2	N/A	1
Standard Travel - High Damping				
6.5", 7.5" and 14" RH	S-24579	2	N/A	1

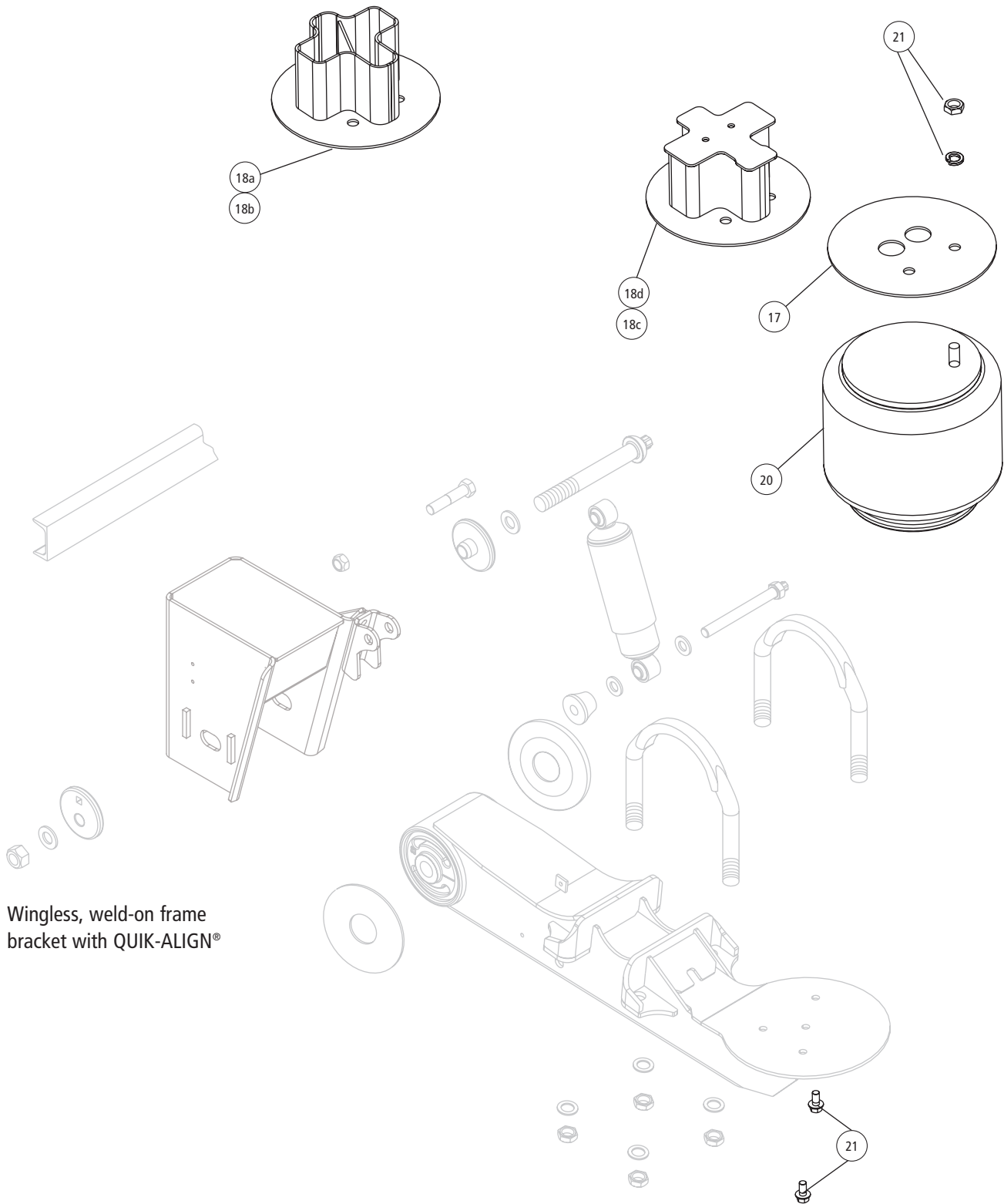
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
13	SHOCK BOLT KIT			(1) Shock bolt is required per shock
	Standard Shock Mount	S-24024	2	
	Standard Shock Mount Lower	S-23642	2	
	Standard Shock Mount Upper	S-2157/2	1	
	Remote Shock Mount	S-2157/2	2	
14	REMOTE SHOCK MOUNT			Also order shock bolt kit S-2157/2
	Upper Assembly	A-5431	2	
	Lower Assembly	S-2723	2	
15	SHOCK STRAP CLEVIS	B-20919	2	Only needed for standard shock mount Included in shock strap kit

3. Shock strap kits: includes (2) straps, (2) clevis and (4) nylon ties
 4. Shock strap clevis not included and not needed for remote shock mount

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.



Wingless, weld-on frame
bracket with QUIK-ALIGN®



ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	NOTE
16	UPPER SHOCK CLEVIS (Not Shown)	S-2592	2	3.5" and 4" RH only
17	AIR SPRING MOUNTING PLATE			Air spring mounting plates fit standard and rotated mounting types
	Weld-on, Angled and Frame Clearance			
	3.5" to 14" RH	S-21209	2	
	Bolt-on			
	5.5" to 9" RH, Standard Travel	B-21211	2	
18	AIR SPRING SPACER ASSEMBLY ⁵			Air spring spacers fit standard and rotated air spring mounting types. Includes air spring plate and spacer assembly.
	18a Weld-on, Standard Travel			
	12" RH	C-21210-3	2	With 3" spacer with top plate
	14" RH	C-21210-5	2	With 5" spacer with top plate
	18b Weld-on, Limited Jounce			
	6.5" and 7.5" RH	C-21210-1	2	With 1" spacer with top plate
	9" RH	C-21210-3	2	With 3" spacer with top plate
	12" RH	C-21210-5	2	With 5" spacer with top plate. Also on frame angled and frame clearance 14" RH
	18c Bolt-on, Standard Travel			
	12" RH	C-21215-3	2	With 3.2" spacer with top plate
	14" RH	C-21215-5	2	With 5.2" spacer with top plate
	18d Bolt-on, Limited Jounce			
	6.5" and 7.5" RH	C-21215-1	2	With 1.2" spacer with top plate
	9" RH	C-21215-3	2	With 3.2" spacer with top plate
	12" RH	C-21215-5	2	With 5.2" spacer with top plate
19	AIR SPRING SPACER ⁶ (Not Shown)	B-28662	2	For steer axle configurations only
20	AIR SPRING			
	Standard Mount			
	4" RH	S-20010	2	
	3.5" and 4" RH, High Pressure	S-20223	2	
	5.5" to 14" RH	S-20127	2	
	6.5" RH, High Pressure, Short Bellows	S-20716	2	
	7.5" to 14" RH, High Pressure	S-20124	2	
	Rotated Mount			
	5.5" to 14" RH	S-20414	2	
	7.5" to 14" RH, High Pressure	S-20413	2	
21	AIR SPRING MOUNTING KIT	S-20033/2		Order 1 kit per air spring

5. Other options exist. Contact your customer service representative for specific model numbers.

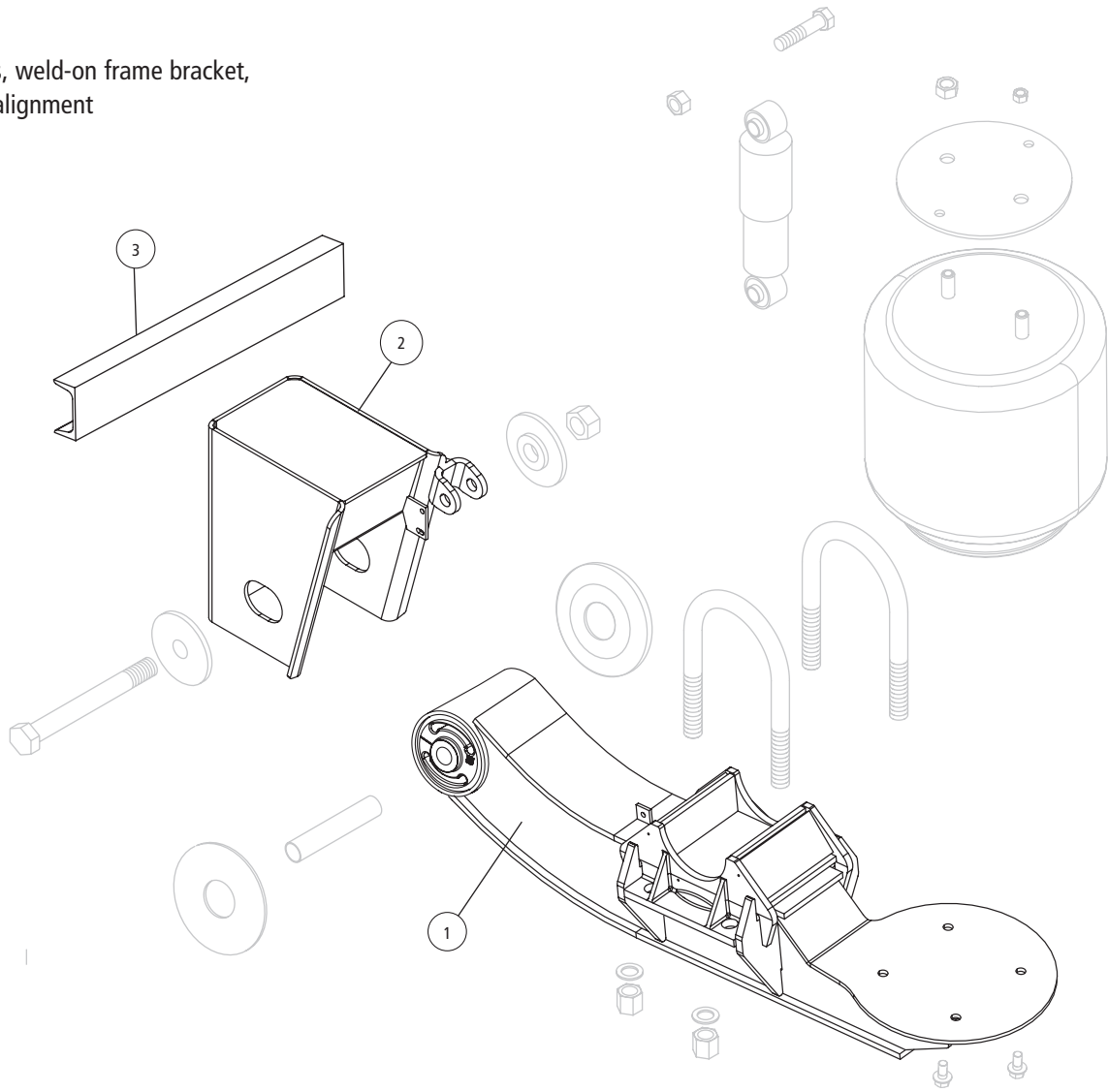
6. Used on all steerable configurations except when paired with bolt-on air spring mounting plate and spacer assembly.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.

Wingless, weld-on frame bracket,
welded alignment





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT300? OR N-HT300?		
1	BEAM ASSEMBLY ¹					
	Roadside	S-20252-1	1	All models		
	Curbside	S-20252-2	1	All models		
2	FRAME BRACKET ²			See L1266 Frame Bracket Parts List		
3	FRAME BRACKET C-CHANNEL	A-1631-19	1	All models		
4	FRAME BRACKET BRACE (Not Shown)	B-2347-6	2	U-14-001	U-14-005	U-14-011
				U-14-015	U-14-021	U-14-023
				U-14-701	U-14-021	U-17-001
				U-17-011	U-17-021	U-17-024
				UB14-022		

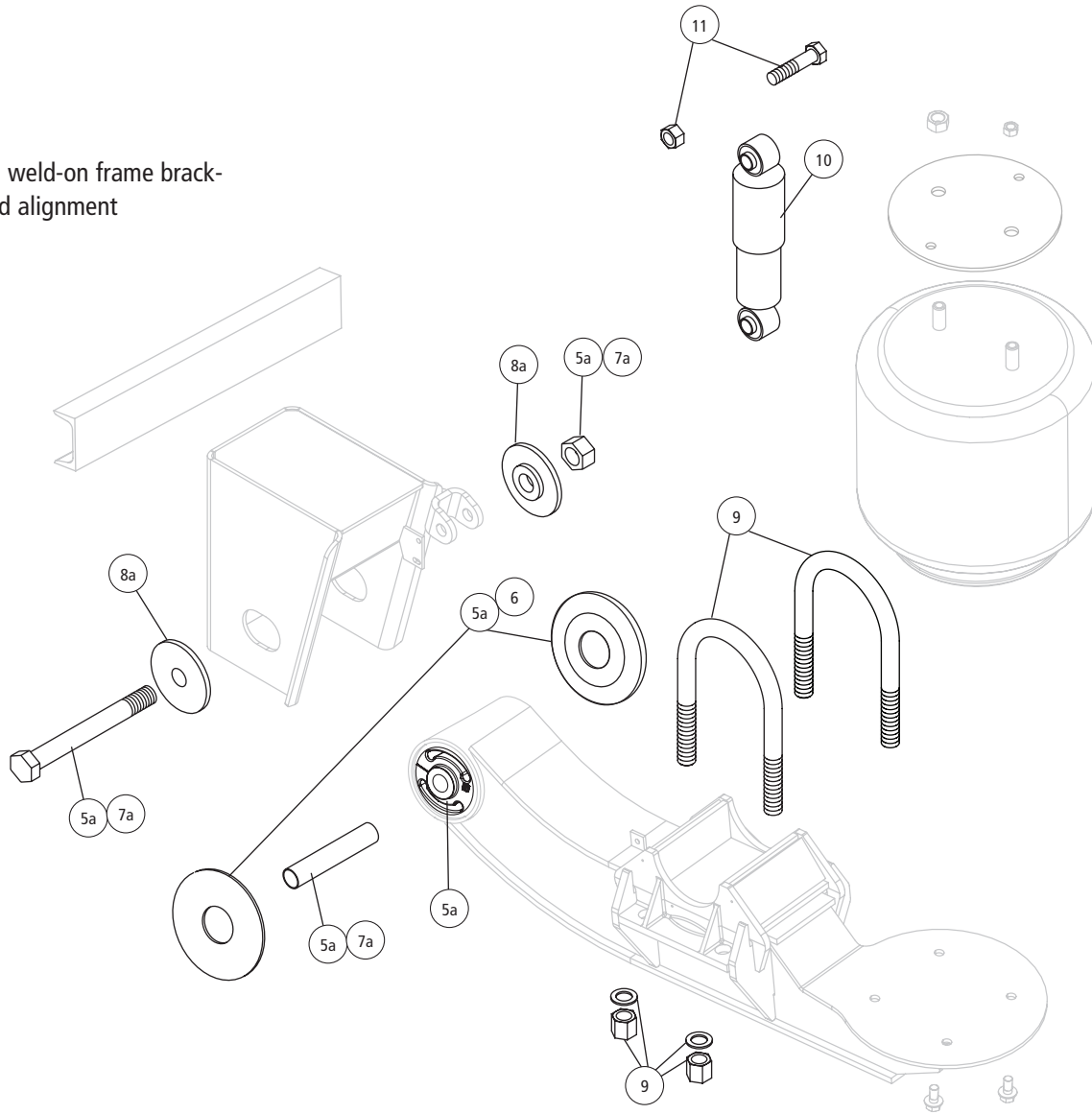
1. QUIK-ALIGN is available on certain specs. Contact Hendrickson for assistance.
2. Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket parts list.

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Picture shown may not resemble all models.

Wingless, weld-on frame bracket,
welded alignment





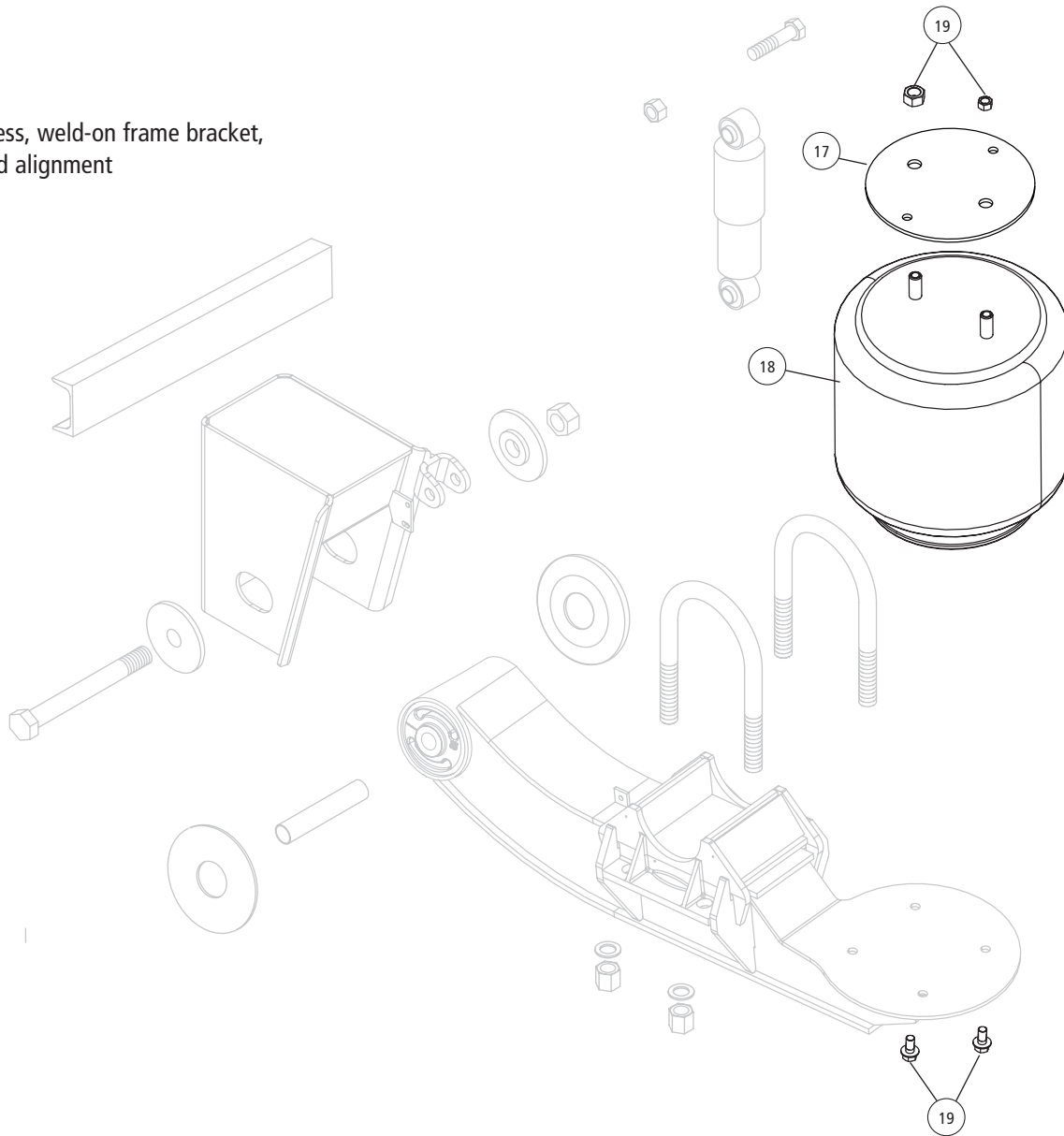
ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT300__ OR N-HT300__
5	TRI-FUNCTIONAL® II BUSHING KIT³			
	5a Welded Alignment	S-6914	2	Includes bushing, bushing tube spacers, cap screw, prevailing torque hex nut, liner and lube
	5b QUIK-ALIGN® (Not Shown)	S-24691	2	Includes bushing, bushing tube spacers, round head bolt, prevailing torque hex nut, hardened washers and lube
6	BUSHING TUBE SPACER	S-21099	4	All models
7	PIVOT BOLT KIT			
	7a Welded Alignment	S-3646	2	Includes cap screw, prevailing torque hex nut and liner
	7b QUIK-ALIGN (Not Shown)	S-24679	2	Includes round head bolt, hardened washers and prevailing torque hex nut
8	ALIGNMENT COLLARS			
	8a Welded Alignment	S-2770	4	Collars are welded to frame bracket
	8b Eccentric, QUIK-ALIGN (outer) (Not Shown)	S-20925	2	Alignment hole is off center
	8c Concentric, QUIK-ALIGN (inner) (Not Shown)	S-20924	2	Alignment hole is centered
9	U-BOLT KIT	S-3650/4	4	Includes (1) round U-bolt and hardware
10	SHOCK ABSORBER	S-20126	2	U-7.5-001 U-7.5-501 U-9-001 U-9-005 U-9-020 U-9-021 U-9-022 U-9-024 U-9-501 U-9-701 U-12-001 U-12-005 U-14-005 U-14-020 U-14-021 U-14-022 U-14-023 U-14-701 U-15-011 U-17-001 U-17-020 U-17-021 U-17-024 UB9-022 UB14-022
		S-21699	2	U-7.5-519 U-9-011 U-9-519 U-12-011 U-12-015 U-14-011 U-14-015 U-17-011
11	SHOCK BOLT KIT	S-2157/2	2	All models
12	SHOCK STRAP KIT (Not Shown)			Includes (4) nylon ties and (2) shock straps
		S-14587-8	1	Use with S-20126 shock
		S-14587-8	1	Use with S-21699 shock
13	REMOTE SHOCK MOUNT (Not Shown)			
	13a Upper Assembly (Not Shown)			
	Roadside Suspension	C-21797-1	1	U-17-020
	Curbside Suspension	C-21797-2	1	
	Roadside and Curbside Suspension	A-5431	2	U-9-021 U-12-020 U-14-020
	13b Lower Assembly (Not Shown)	S-2723	1	U-9-021 U-12-020 U-14-020

3. Bushing tool S-21307 is required to correctly re-bush the suspension



Picture shown may not resemble all models.

Wingless, weld-on frame bracket,
welded alignment





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	FITS MODELS HT300? OR N-HT300?		
16	AIR SPRING SPACER ASSEMBLY			Includes air spring plate and spacer assembly		
		A-20279	2	U-12-001	U-12-005	U-12-015
				U-12-024		
		C-24967	2	U-9-020	U-14-001	U-14-005
				U-14-011	U-14-015	U-14-020
				U-14-011	UB14-022	
17	AIR SPRING PLATE	C-22514	2	U-15-011		
		C-24968	2	U-17-001	U-17-011	U-17-020
				U-17-024		
		C-24969	2	U-14-023		
18	AIR SPRING	A-24966	2	U-7.5-001	U-7.5-501	U-7.5-519
				U-9-001	U-9-005	U-9-011
				U-9-021	U-9-022	U-9-024
				U-9-501	U-9-519	U-9-701
				U-12-001	U-12-005	U-12-011
				U-12-020	UB9-022	
18	AIR SPRING	S-3830	2	Fits all models. Replaces S-22173		
19	AIR SPRING MOUNTING KIT	S-1981/2	2	U-7.5-001	U-7.5-501	U-7.5-519
				U-9-001	U-9-005	U-9-011
				U-9-020	U-9-021	U-9-022
				U-9-701	U-14-001	U-14-005
				U-14-011	U-14-015	U-14-020
				U-14-021	U-14-022	U-14-023
				U-14-701	U-15-011	U-17-001
				U-17-011	U-17-020	U-17-021
				UB9-022	UB14-022	
				S-20313/2	2	U-12-001
				U-12-015	U-12-020	U-12-024
20	UNIVERSAL HEIGHT CONTROL VALVE (Not Shown)	VS-227	1 ⁴	Fits all models. Includes height control valve, exhaust line fittings and spacer bracket		
21	UNIVERSAL LINKAGE ASSEMBLY (Not Shown)	S-14187	1 ⁴	Includes linkage assembly and hardware		
22	DUMP VALVE (Not Shown)	VS-23460	1 ⁴	Includes dump valve and fittings		
23	PRESSURE PROTECTION VALVE (Not Shown)	VS-1128	1	Includes valve only		

4. Quantities for air control components are per trailer

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



Primary Fixed Suspension System

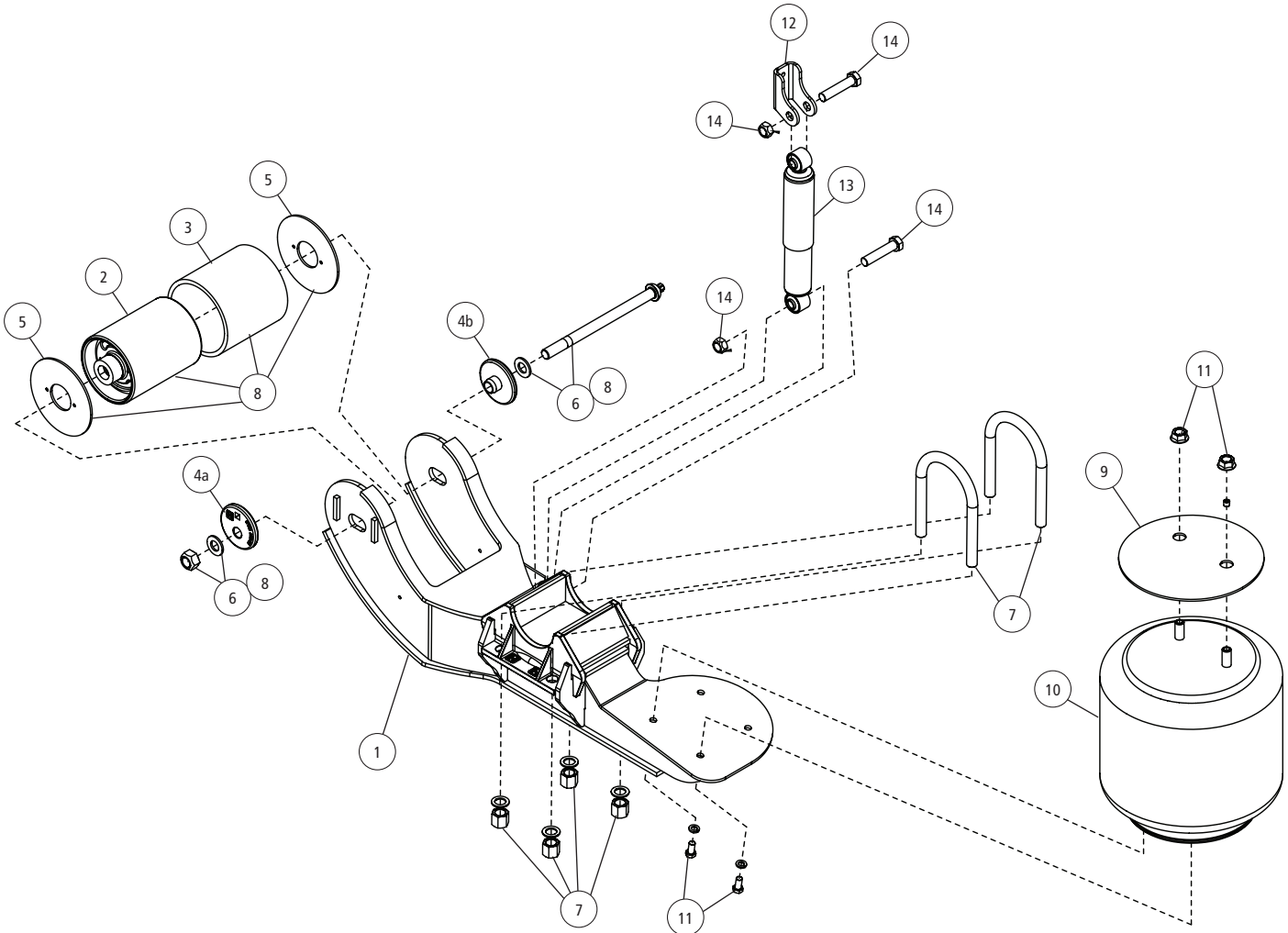
HT[®] Series Y-Beam

L1271 - Suspension Components	168
L58 - Suspension Components	170



Picture shown may not resemble all models.

HT300YB





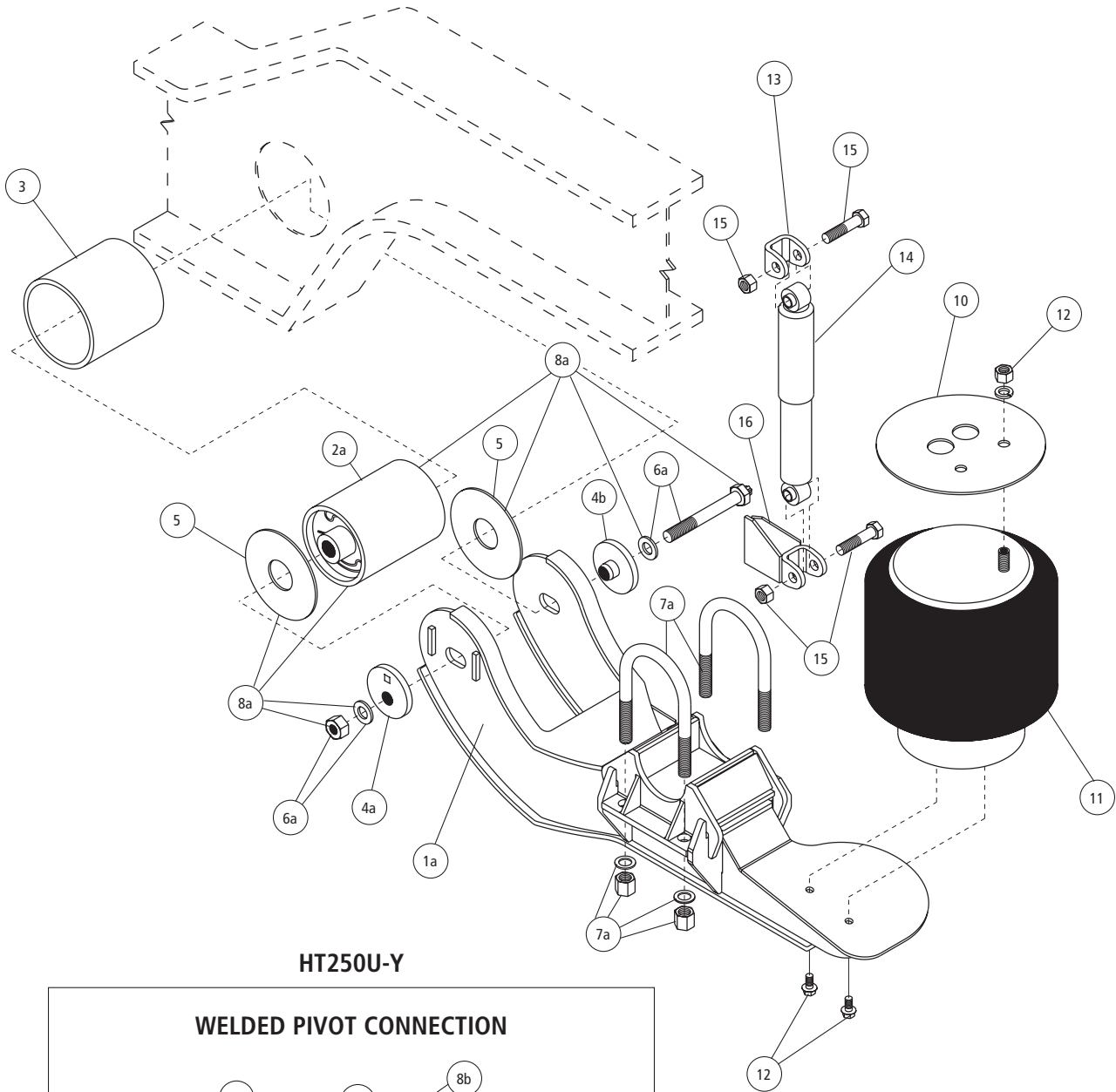
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	BEAM ASSEMBLY			
	Standard, roadside, QUIK-ALIGN®	S-31377-3	1	
	Standard, curbside, QUIK-ALIGN	S-31377-4	1	
2	BUSHING ASSEMBLY	S-30862	2	
3	TUBE SLEEVE	S-7342	2	
4	ALIGNMENT COLLAR			
	4a Eccentric washer, QUIK-ALIGN	S-20925	2	Bolt hole is offset from center of collar
	4b Concentric washer, QUIK-ALIGN	S-20924	2	Pivot bolt hole is center of collar
5	BUSHING TUBE SPACER	S-21099	4	
6	QUIK-ALIGN PIVOT BOLT KIT	S-25948	2	Includes shear-type bolt, nut & washers
7	U-BOLT KIT, RD	S-3650/4	4	
8	TRI-FUNCTIONAL® II BUSHING KIT	S-26000	2	Includes bushing assembly, bushing tube spacers, bolt & nut
9	AIR SPRING PLATE			
	HT300YB.XXX	S-23294	2	For Dual Combo Stud A/S
		S-21209	2	For Single Combo Stud A/S
	HT300YB-XX-XXX	A-24966	2	For A/S with 1 combo & 1 std. Stud.
10	AIR SPRING			
	HT300YB.XXX	S-25319	2	Dual Combo Stud A/S
		S-20414	2	Single Combo Stud A/S
	HT300YB-XX-XXX	S-3830	2	A/S with 1 Combo & 1 std Stud.
11	AIR SPRING BOLT KIT			
	HT300YB.XXX	S-25339/2	2	For Dual Combo Stud A/S
		S-20033/2	2	For Single Combo Stud A/S
	HT300YB-XX-XXX	S-1981/2	2	For A/S with 1 Combo & 1 std Stud.
12	UPPER SHOCK CLEVIS			
	HT300YB.XXXX	S-20113	2	
	HT300YB-XX-XXX	S-2592	2	
13	SHOCK ABSORBER	S-20002	2	
14	SHOCK BOLT KIT	S-2157/2	2	
15	LOWER SHOCK CLEVIS (Not Shown)			
	Standard, roadside	S-20145-1	1	
	Standard, curbside	S-20145-2	1	
16	SHOCK STRAP KIT (Not Shown)			
	For A-20002 shock absorber	S-14587-1	1	

NOTE: US/YB can be identified by Dual Combo Stud A/S & YB "dot number" YB.XXX
 NOTE: UB/YB only consists of two part numbers HT300YB-7.5-001 or HT300YB-9-001

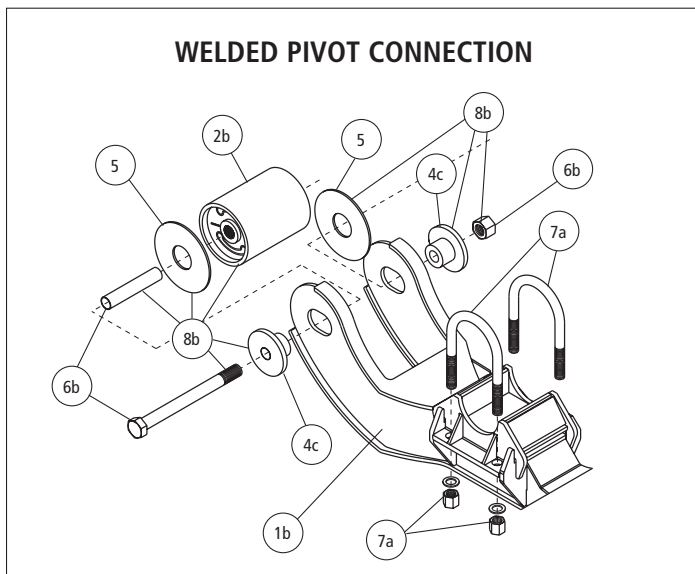


Picture shown may not resemble all models.

HT250U-Y / HT250YB



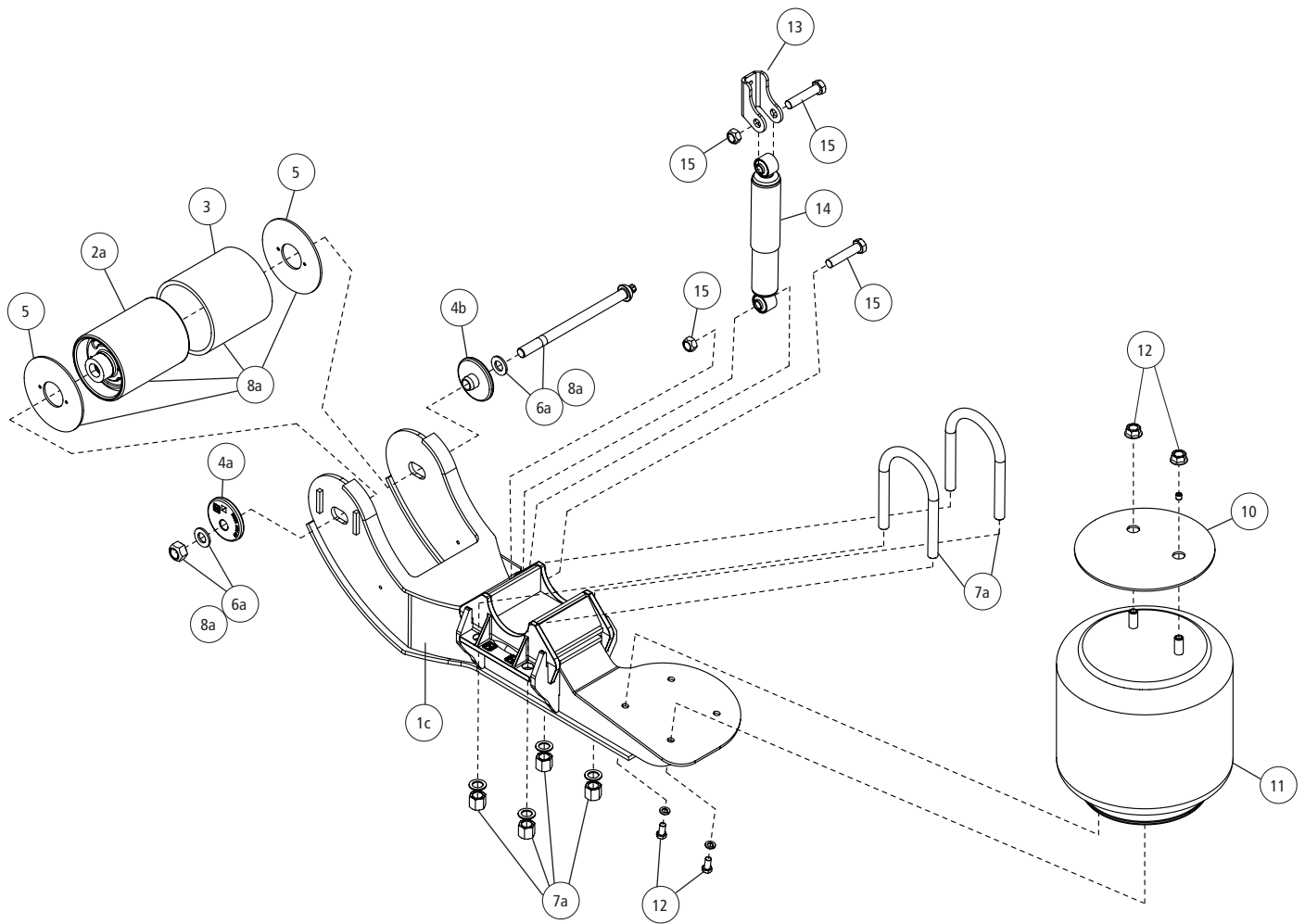
HT250U-Y





Picture shown may not resemble all models.

HT250YS





ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	Model No. / Description
1	BEAM ASSEMBLY			
	1a Roadside, QUIK-ALIGN®	S-22350-3	1	HT250YB
	Curbside, QUIK-ALIGN	S-22350-4	1	HT250YB
	1b Roadside, welded alignment	S-21076-1	1	HT250U-Y
	Curbside, welded alignment	S-21076-2	1	HT250U-Y
	1c Roadside, QUIK-ALIGN	S-30873-1	1	HT250YS
	Curbside, QUIK-ALIGN	S-30873-2	1	HT250YS
2	BUSHING ASSEMBLY			
	2a Bushing assembly, QUIK-ALIGN	S-30862	2	HT250YB and HT250YS
	2b Bushing assembly, welded alignment	S-7343	2	HT250U-Y
3	TUBE SLEEVE	S-7342	2	All models
4	ALIGNMENT COLLAR			
	4a Eccentric washer, QUIK-ALIGN	S-20925	2	HT250YB and HT250YS; Offset pivot bolt hole
	4b Concentric washer, QUIK-ALIGN	S-20924	2	HT250YB and HT250YS; Centered pivot bolt hole
	4c Welded alignment	S-7349	4	HT250U-Y
5	BUSHING TUBE SPACER	S-21099	4	All models
6	PIVOT BOLT KIT			
	6a QUIK-ALIGN	S-25948	2	HT250YB and HT250YS; Includes shear-type bolt, nut and washer
	6b Welded alignment	S-7345	2	HT250U-Y; Includes bolt, nut and liner
7	U-BOLT KIT	S-3650/4	4	All models
	7a U-Bolt Kit, RD	S-3650/4	4	HT250U-Y and HT250YB
	7b Flattened U-Bolt / Spacer Kit (not shown)	A-22237	1	HT250YS with 12.25" brakes only
	7c U-Bolt Kit (not shown)	S-21140/4	4	HT250YS with 16.5" brakes only
8	TRI-FUNCTIONAL® II BUSHING KIT			
	8a QUIK-ALIGN	S-26000	2	HT250YB and HT250YS; Includes assembly, bushing tube spacers, bolt and nut
	8b Welded Alignment	S-13136	2	HT250U-Y; Includes alignment collars, bushing assembly, bushing tube spacers, bolt, nut and liner
9	BUSHING TUBE SPACER KIT (not shown)	S-26371		HT250U-Y; Includes bolt, nut, liner and bushing tube spacer
10	AIR SPRING PLATE	S-21209	2	All models

NOTE: Identification tag can be found on the front of the roadside frame bracket or the inside of the curbside beam.



ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	Model No. / Description
11	AIR SPRING			
		S-20127	2	HT250U -6.5Y -005, 006 -9Y -006, 031, 037, 706 HT250YB -6.5 -006, 031, 037 -7.5 -006, 031, 037 -9.0 -006, 031, 037 HT250YS -006, 106
	Rotated stud	S-20414	2	HT250U -9Y -010 HT250YB -6.5 -010 -7.5 -010 -9.0 -010 HT250YS -010, 011
	High pressure, standard	S-20124	2	HT250U -6.5Y -001 -9Y -001,021,027 HT250YB -6.5 -001 021, 027 -7.5 -001, 021, 027 -9.0 -001, 021, 027 HT250YS -001, 101
12	AIR SPRING BOLT KIT	S-20033/2	2	All models
13	UPPER SHOCK CLEVIS			
	Standard	S-2592	2	All models except listed below
	For use with shock straps (not shown)	S-20113	2	HT250U -9Y -021, 031 HT250YB -6.5 -021, 031 -7.5 -021, 031 -9.0 -021, 031 HT250YS
14	SHOCK ABSORBER			
	Standard	S-20002	2	HT250U -6.5Y -001, 006 -7.5Y -001, 006 -9.0Y -001, 006, 010, 021, 031, 706 HT250YB -6.5 -001, 006, 010, 021, 031 -7.5 -001, 006, 010, 021, 031 -9.0 -001, 006, 010, 021, 031, 706
	Standard	S-23651	2	HT250YS
	Extended service, high damping	S-21553	2	HT250U -9Y -027, 037 HT250YB -6.5 -027, 037 -7.5 -027, 037 -9.0 -027, 037
	Remote shocks	S-23649	2	HT250YB -7.5-DB2 -9-DB2
15	SHOCK ABSORBER BOLT KIT			
		S-2157/2	2	HT250U-Y and HT250YB
		S-31929/2	2	HT250YS



ITEM	DESCRIPTION	PART NO.	QTY. PER SUSP.	Model No. / Description
16	LOWER SHOCK CLEVIS			
	Roadside	S-20145-1	1	All HT250U-Y and HT250YS except for remote mt. axle mount
	Curbside	S-20145-2	1	All HT250U-Y and HT250YS except for remote mt. axle mount
	Remote axle mount	S-2723	2	HT250YB -7.5-DB2 -9-DB2
17	SHOCK STRAP KIT (not shown)			Includes strap and nylon tie
	For S-20002 shock absorber	S-14587-1	1	
	For S-21553 shock absorber	S-14587-8	1	
	For S-23651 shock absorber	C-23086-4	1	



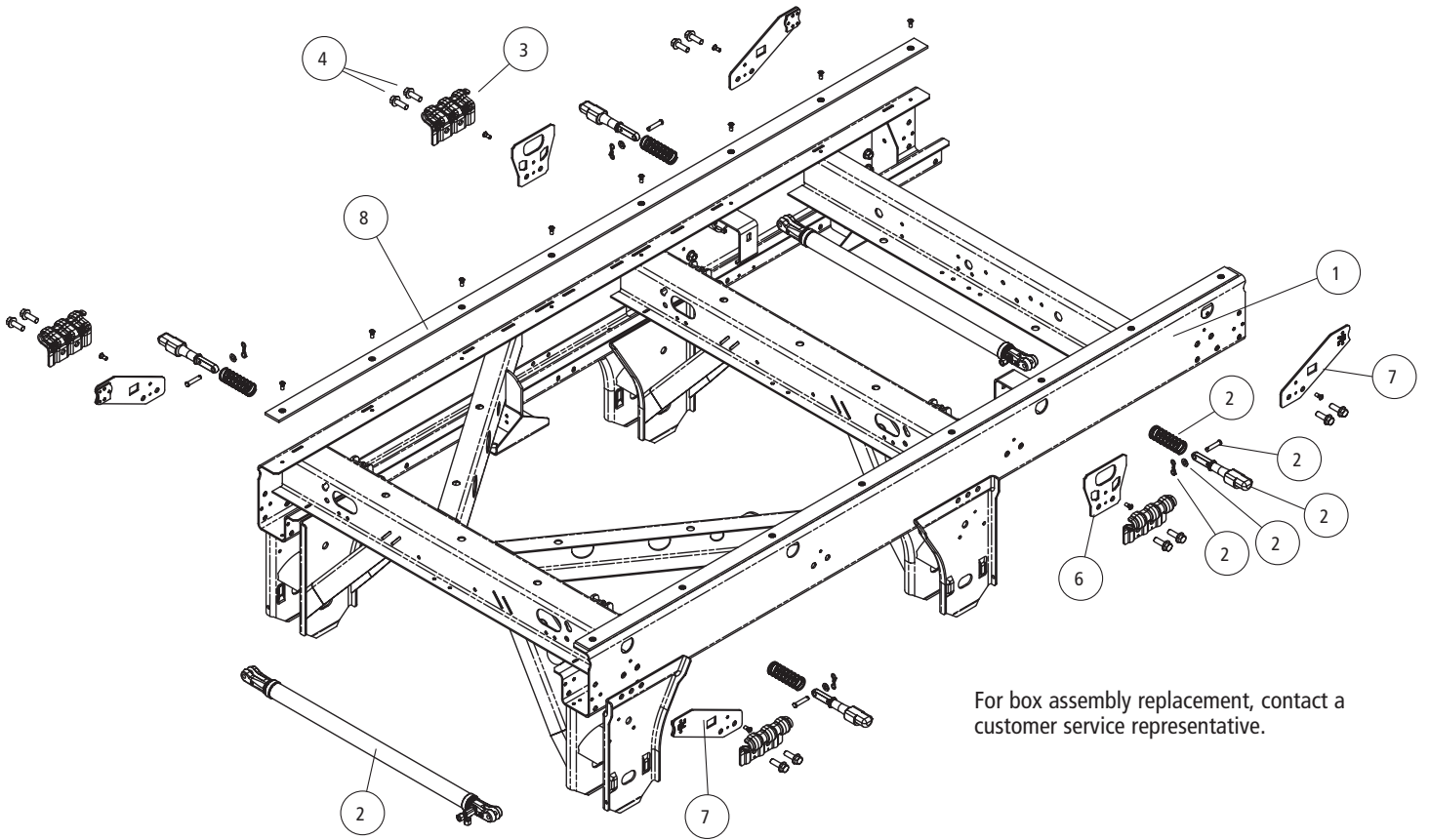
Slider Suspension System

ULTRAA-K[®]

L1237 - Suspension Components	176
L1266 - Frame Brackets	278
L751 - QUIK-DRAW[®]	382
L1055 - SURELOK[®]	386
L1182 - Vehicle Controls	302
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL[®] Wheel-End Packages & Air Disc Brake Components	346

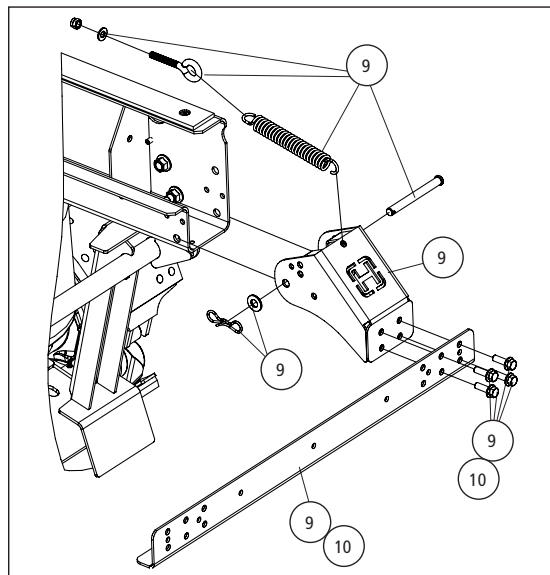


SLIDER BOX ASSEMBLY



For box assembly replacement, contact a customer service representative.

MUD FLAP MOUNTING





SLIDER BOX ASSEMBLY

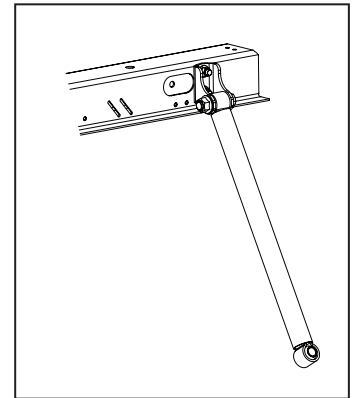
ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.###	1	Contact Hendrickson for assistance
2	QUIK-DRAW® COMPONENTS			See L751 QUIK-DRAW Parts List
3	BODY RAIL CLIP			
	3.4" clip height	S-24459	4	Use with 4" hole centers
	3.8" clip height	S-24460	4	Use with 6" hole centers
4	BODY RAIL BOLT	SA-6900-2	8	1/2"-13" × 1-1/2" flanged bolt
5	BODY RAIL CLIP SPACER (Units built before August 2015) (not shown)			
	1.5" clip hole centers	A-21282	4	
	2" clip hole centers	A-22367	4	
6	BOLT-ON SHIM			
	.188" thickness	S-34860	4	6" body rail hole spacing
	.188" thickness	S-34860	2	4" body rail hole spacing
	.232" thickness	S-34859	4	6" body rail hole spacing
	.232" thickness	S-34859	2	4" body rail hole spacing
7	BOLT-ON END STOP (4" body rail hole spacing only)			
	.188" thickness	S-34821-1	2	Left front rail and right rear rail
	.188" thickness	S-34821-2	2	Right front rail and left rear rail
	.232" thickness	S-35761-1	2	Left front rail and right rear rail
	.232" thickness	S-35761-2	2	Right front rail and left rear rail
8	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad with fasteners
9	MUD FLAP BRACKET KIT	S-34886	2	Includes (1) mud flap bracket assembly, (1) mud flap angle and hardware
10	MUD FLAP ANGLE KIT	S-35021	2	Includes (1) mud flap angle and hardware

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There will also be a blank ULTRAA-K tag on the inside of the curbside beam.

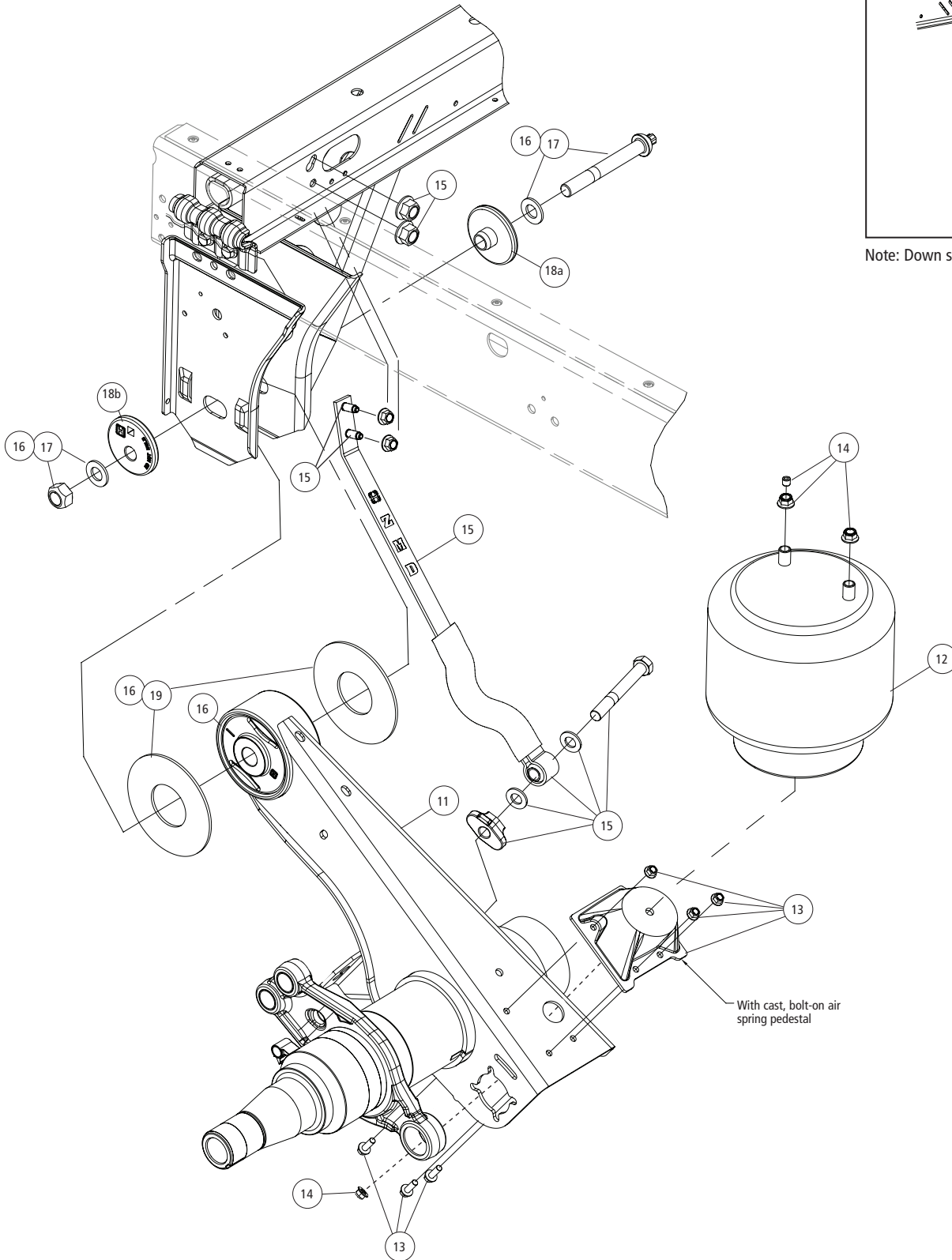


SUSPENSION ASSEMBLIES

ZMD DOWN STOP BEFORE MARCH 2017
NO LONGER AVAILABLE



Note: Down stop mounted to shock clavis.





SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
11	HALF-TRAAX AXLE/BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
12	ZMD® AIR SPRING ¹		4	
	Units built before March 2019	S-34733	4	Straight piston
	Units built after March 2019	S-38000	4	Flared piston
13	CAST AIR SPRING PEDESTAL KIT	S-27447-1	2	2" pedestal; includes left and right side pedestals and fasteners
14	AIR SPRING MOUNTING KIT (per air spring)	S-22619/2	4	16" ride height
15	ZMD DOWN STOP KIT	S-40231-1	4	Includes down stop and hardware; Use this kit if replacing an old style downstop
16	TRI-FUNCTIONAL® PIVOT BUSHING KIT ²	S-26321	2	Includes (2) bushings, (2) pivot bolt kits, (4) bushing tube spacers and lubricant pack
17	QUIK-ALIGN® PIVOT BOLT KIT	S-24705	4	Contains 7" bolt, nut and hardened washers
18	QUIK-ALIGN ALIGNMENT COLLARS			
	18a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	18b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
19	BUSHING TUBE SPACER	S-26807	8	Inner metal outer diameter dimension of TRI-FUNCTIONAL Bushing is 2.6"; Inner hole dimension of BTS 2.95"
20	AIR TANK BRACKET KIT (not shown)			
		S-34883	1	1 (2) air tank brackets, (4) hex flange scews and (4) prev-torq hex flange nuts
		S-34883/2	2	(1) air tank bracket, (2) hex flange scews and (2) prev-torq flange nuts
21	HEIGHT CONTROL VALVE KITS (not shown)			See L1182 Control Parts Catalog
	Valves with fittings	VS-33704-3	1	
	HCV with dump	VS-33705-3	1	
	HCV with DST®	VS-33703-3	1	
	Link and valves with fittings	VS-33704-1	1	
	HCV with dump	VS-33705-1	1	
	HCV with DST	VS-33703-1	1	
22	FIXED LINK ASSEMBLY ³ (not shown)	VS-33702-1	1	
23	SHOCK SPACER (not shown)	S-27196	4	Included in down stop kit

1. If replacing S-34733 ZMD air spring with S-38000, all air springs on the suspension must be changed to S-38000 ZMD air spring.

2. Bushing tool S-24736 is required to correctly rebush the suspension.

3. Also included in HCV kits.

OTHER PARTS LISTS

More information can be found in the following documents

Lit. Number	Description
L1055	SURELOK® Parts List
L1102	Slider Accessories and Axle Components Parts List
L949	Wheel-Ends & Brakes Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1104	Brake Kits and Components Parts List



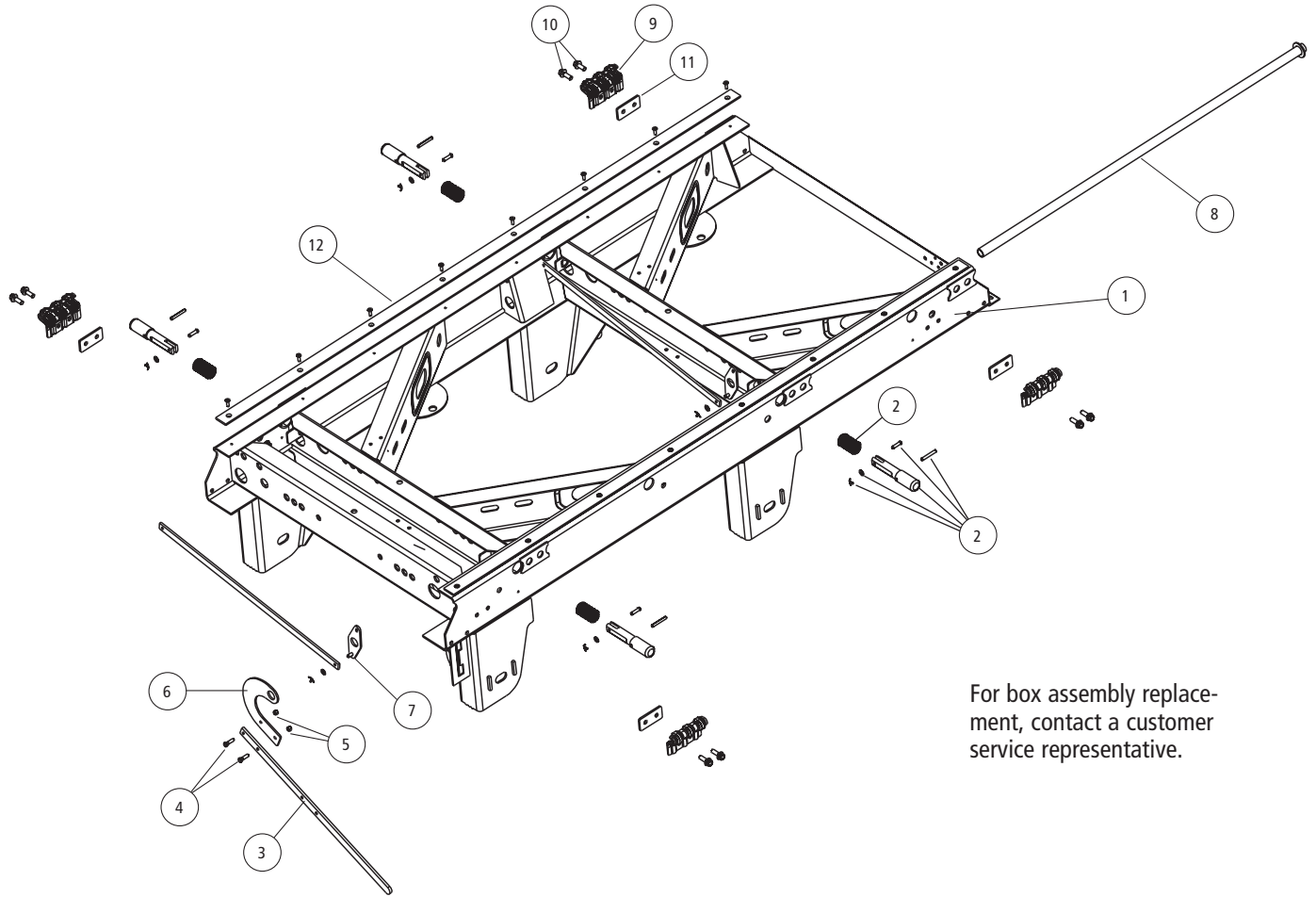
Slider Suspension System

VANTRAAX® HKANT 40K

L649 - Suspension Components	181
L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
L1287 - Shocks	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346

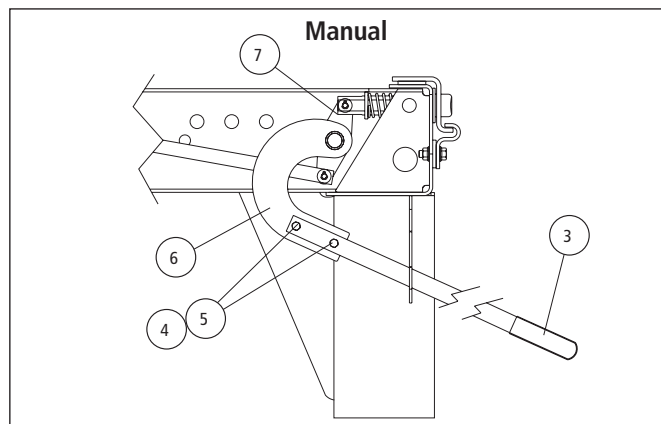


SLIDER BOX ASSEMBLY



For box assembly replacement, contact a customer service representative.

RELEASE MECHANISM





SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.###	1	Contact Hendrickson for assistance
2	QUIK-DRAW® COMPONENTS			See L751 QUIK-DRAW Parts List
3	HANDLE ASSEMBLY			Manual
		B-22923	1	4 holes
		B-21505	1	2 holes
4	HANDLE BOLT	SA-1100-10	2	2-3/8" -16 × 1-1/4" hex head bolt, grade 5
5	HANDLE NUT	SA-9000-5	2	2-3/8" -16 lock nut, grade B
6	HANDLE MOUNT	C-21275	1	Manual
7	CRANK ARM WELDMENT	B-33010	2	For front and rear of slider box
8	PIPE WELDMENT	S-21433	1	Manual
9	BODY RAIL CLIP			
	3.4" clip height	S-24459	4	Use with 4" hole centers and 1.625" locking pin
	3.8" clip height	S-24460	4	Use with 6" hole centers and 1.375" locking pin
10	BODY RAIL BOLT	SA-6900-2	8	1/2" -13" × 1-1/2" flanged bolt
11	BODY RAIL CLIP SPACER			
	1.5" clip hole centers	A-21282	4	
	2" clip hole centers	A-22367	4	
12	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and (8) screws

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank VANTRAAX tag on the inside of the curbside beam



SUSPENSION ASSEMBLIES

Frame Bracket Assembly

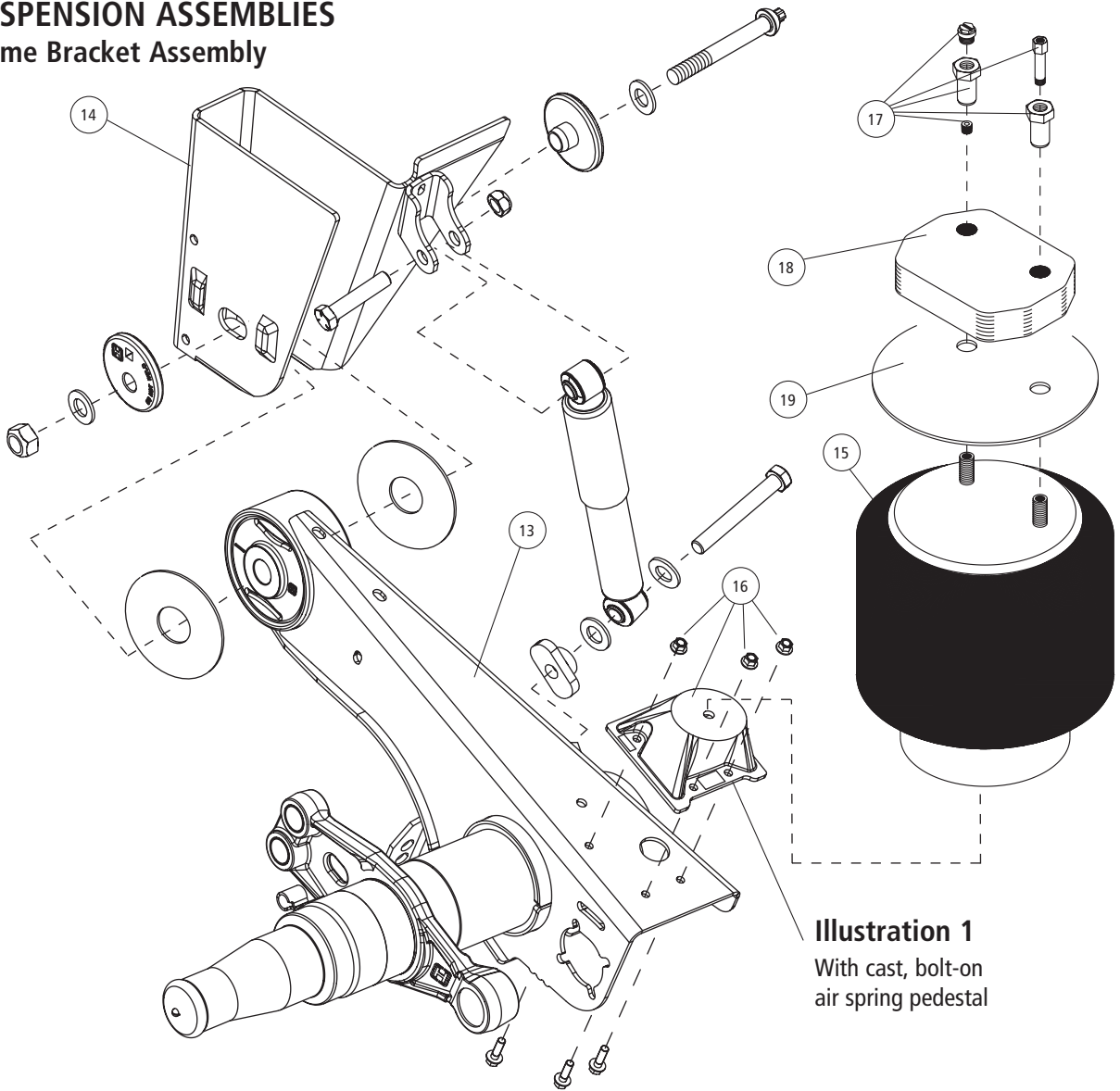


Illustration 1
With cast, bolt-on
air spring pedestal

Manufactured Late August 2002 Through 2008

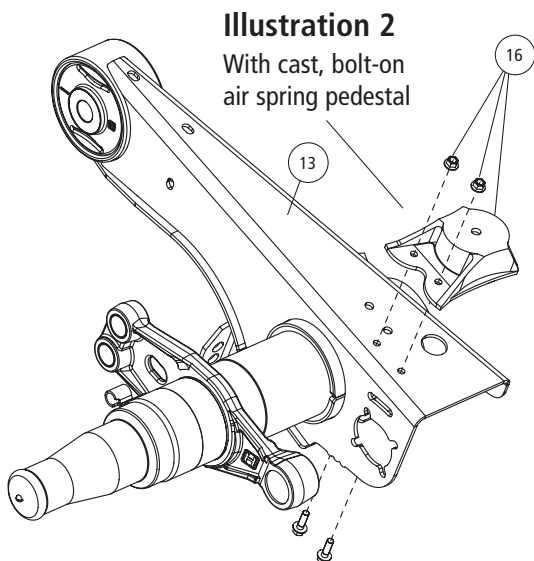


Illustration 2
With cast, bolt-on
air spring pedestal

Manufactured 2001 Through 2002

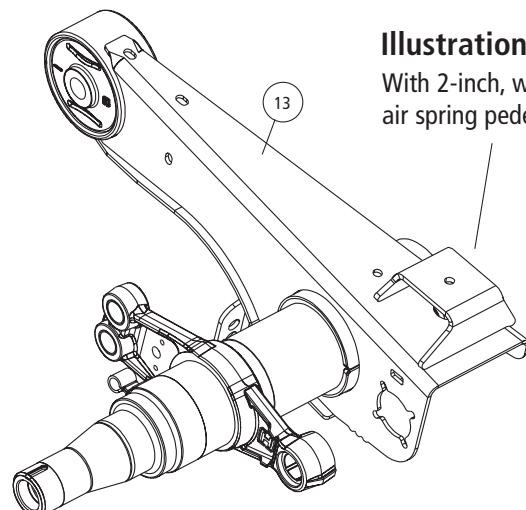


Illustration 3
With 2-inch, weld-on
air spring pedestal



SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
13	AXLE/BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
14	FRAME BRACKET			See L1266 Frame Bracket Parts List
15	AIR SPRING			
	Shipped prior to January 2008	S-22948	4	Replaces C-22948 and C-21966 16" ride height and above
	Shipped after January 2008	S-28929	4	
16	CAST AIR SPRING PEDESTAL KIT ¹ - When model includes a cast, bolt-on pedestal under the air spring. (Illustration 1 and 2)			Includes 2 pedestals, 6 nuts and 6 screws
	16" ride height	S-27447-1	2	2" pedestal
	16.5" ride height	S-27447-2	2	2.57" pedestal
	14" ride height and 17" ride heights	S-27447-3	2	3.17" pedestal
	15", 15.5", 18" and 19" ride heights	S-27447-4	2	3.91" pedestal
17	AIR SPRING MOUNTING KIT (per air spring)			
	WITH 2" WELD-ON AIR SPRING PEDESTAL - When model includes a 2" weld-on pedestal under the air spring. (Illustration 3)			
	14" and 18" ride heights	S-22635/2	4	
	15" and 19" ride heights	S-22631/2	4	
	15.5" ride height	S-22632/2	4	
	16", 16.5" and 17" ride heights	S-22619/2	4	
	WITH CAST AIR SPRING PEDESTAL - When model includes a cast, bolt-on pedestal under the air spring. (Illustration 1 and 2)			
	14"-18" ride heights	S-22619/2	4	
	19" ride height	S-22630/2	4	
18	AIR SPRING SPACER			
	WITH 2" WELD-ON AIR SPRING PEDESTAL - When model includes a 2" weld-on pedestal under the air spring. (Illustration 3)			
	14" and 16.5" ride heights	B-22510-4	4	3/4" thick spacer
	15.5" ride height	B-22510-2	4	
	16.5" and 18" ride heights	B-22510-4	4	Requires both the 3/4" and 1-7/8" spacer
	15" and 18" ride heights	B-22510-2	4	1-7/8" thick spacer
	17" ride height	B-22510-1	4	1-1/8" thick spacer
	19" ride height	B-22510-3	4	3-1/8" thick spacer
	WITH CAST AIR SPRING PEDESTAL - When model includes a cast, bolt-on pedestal under the air spring. (Illustration 1 and 2)			
	19" ride height	B-22510-1	4	1-1/8" thick spacer
19	AIR SPRING MOUNTING PLATE	S-27042	4	15.5" ride height only

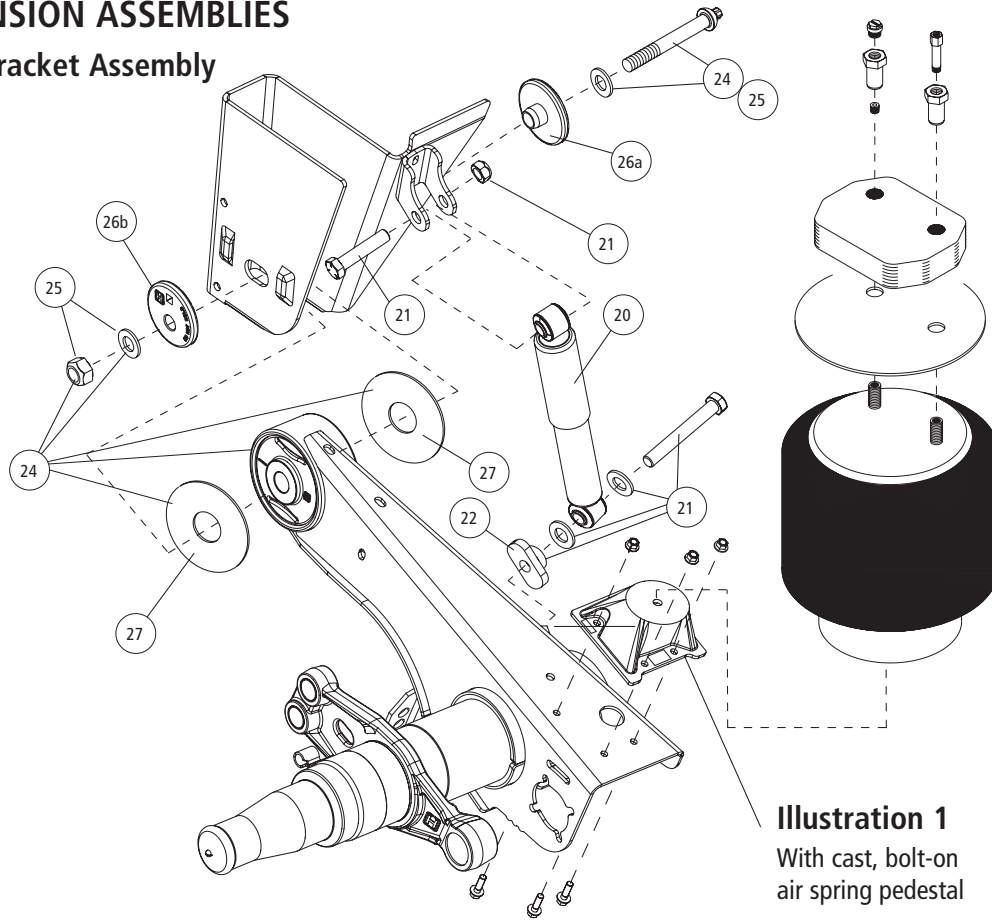
1. The bolt pedestal is not included in the kit. Pedestal (Illustrations 2 and 4) instructions are provided in the kit.

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank VANTRAAK tag on the inside of the curbside beam.

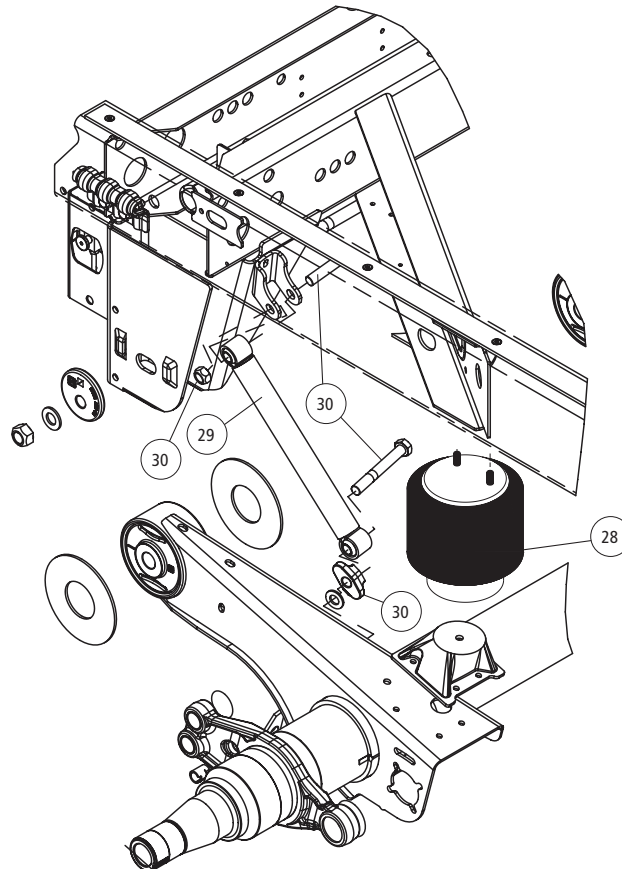


SUSPENSION ASSEMBLIES

Frame Bracket Assembly



ZMD® Technology





SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
20	SHOCK ABSORBER	S-24088	4	
21	SHOCK BOLT KIT	S-24049/2	4	Includes shear bolt, spacer, washers, hex bolt and hex nut
22	SHOCK SPACER	S-27196	4	
23	SHOCK STRAP KIT (Not shown)	C-23086-1	4	Includes (2) strap, (2) clevis and (4) ties
24	TRI-FUNCTIONAL® PIVOT BUSHING KIT ²	S-26321	2	Includes (2) bushings, (2) pivot bolt kits, (4) bushing tube spacers and lubricant pack
25	QUIK-ALIGN® PIVOT BOLT KIT	S-24705	4	Contains 7" bolt, nut and hardened washers
26	QUIK-ALIGN ALIGNMENT COLLARS			
	26a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	26b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
27	BUSHING TUBE SPACER	S-26807	8	Inner metal outer diameter dimension of TRI-FUNCTIONAL Bushing is 2.6"; Inner hole dimension of BTS 2.95"

ZMD® ZERO MAINTENANCE DAMPING® COMPONENTS

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
28	ZMD® AIR SPRING			
	Units built before August 2020	S-33161	4	Steel piston
	Units built after August 2020	S-34733	4	Composite piston
29	ZMD DOWNSTOP	S-33669	4	
30	ZMD DOWNSTOP BOLT KIT	S-24049/2	4	Includes shear bolts, spacers, washers, hex bolt and hex nut
31	ZMD RETROFIT KIT (Not shown)			Contact Hendrickson for assistance

2. Bushing tool S-24736 is required to correctly rebush the suspension

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank VANTRAAX tag on the inside of the curbside beam



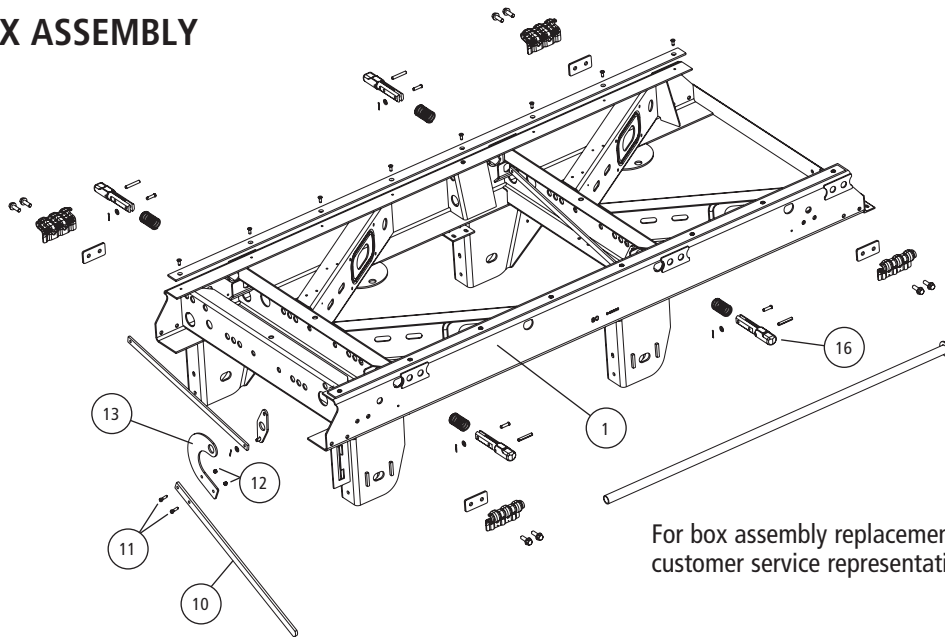
Slider Suspension System

VANTRAAX® HKANT 46K

L890 - Suspension Components	188
L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
L1287 - Shocks	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346

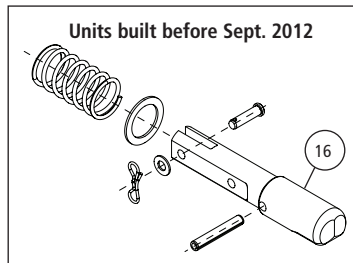
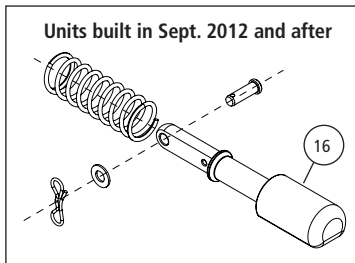


SLIDER BOX ASSEMBLY

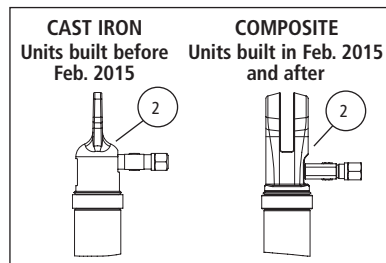


For box assembly replacement, contact a customer service representative.

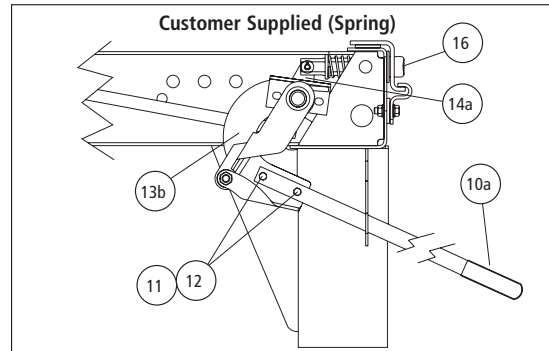
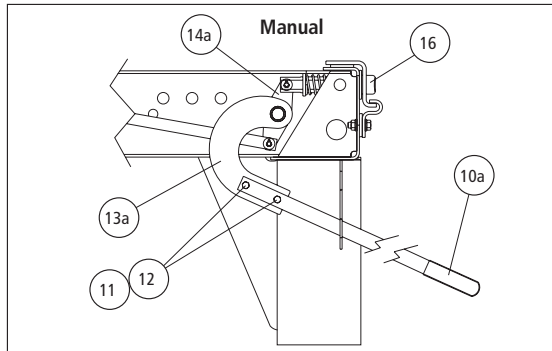
SLIDER PINS



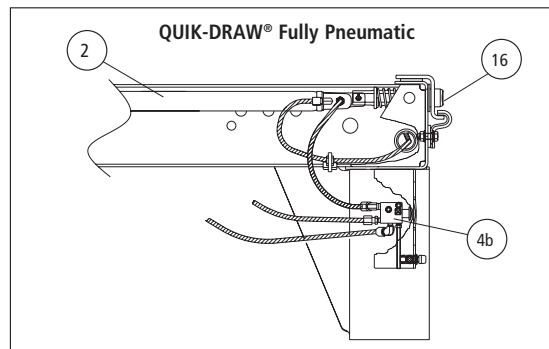
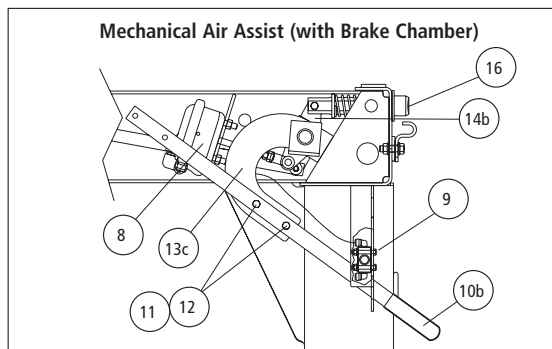
QUIK-DRAW® ACTUATOR ENDS



RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





SLIDER BOX ASSEMBLY

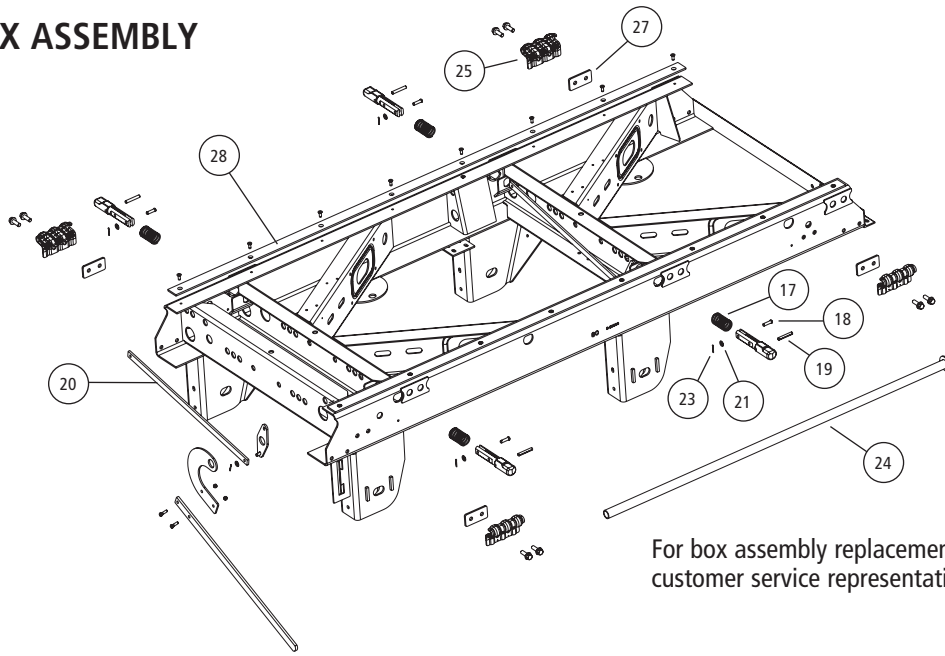
ITEM	DESCRIPTION	PART NO.	SYSTEM	
			QTY.	NOTE
1	AFTERMARKET BOX REPLACEMENT	AMBOX.###		Contact Hendrickson for assistance
2	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM			See L751 QUIK-DRAW Parts List
3	PIN EXTENSION 54" BOX WIDTH (Not shown)			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE			See L751 QUIK-DRAW Parts List
5	QUIK-DRAW VALVE KNOB with SET SCREW (Not shown)			See L751 QUIK-DRAW Parts List
6	QUIK-DRAW VALVE SPACER (Not shown)			See L751 QUIK-DRAW Parts List
7	QUIK-DRAW RETROFIT KIT (Not shown)			See L751 QUIK-DRAW Parts List
8	BRAKE CHAMBER MECHANICAL AIR ASSIST	A-23039	1	Type 12 modified
9	AIR VALVE MECHANICAL AIR ASSIST	VS-23224	1	Air valve with fittings
10	HANDLE ASSEMBLY			
	10a Manual and customer supplied release mechanisms	S-25592	1	Handle and grip assembly
	10b Mechanical air assist release mechanisms	B-22923	1	Handle only
11	HANDLE BOLT	SA-1100-10	2	2-3/8" -16 × 1-1/4" hex head bolt, grade 5
12	HANDLE NUT	SA-9000-5	2	2-3/8" -16 lock nut, grade B
13	HANDLE MOUNT			
	13a Manual	C-21275	1	
	13b Customer supplied	S-23534	1	Includes crank arm bolt kit
	13c Mechanical air assist	C-23231	1	
14	CRANK ARM WELDMENT			
	14a Manual and customer supplied	B-33010	2	For front and rear of slider box
	14b Mechanical air assist	B-33010	1	For rear of slider box
15	CRANK ARM BOLT KIT (Not shown)	A-22041	1	Includes bolt, flat washer, lock washer and nut
16	LOCKING PIN			See L751 QUIK-DRAW Parts List

Note: Narrow hanger shown. Pin pull mechanisms are identical for both wide and narrow width slider models.

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank INTRAAX® tag on the inside of the curbside beam

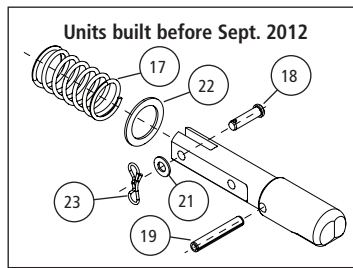
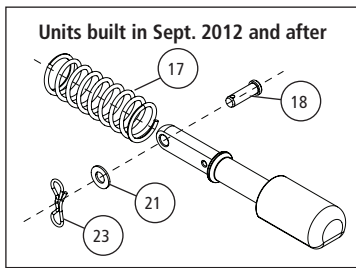


SLIDER BOX ASSEMBLY

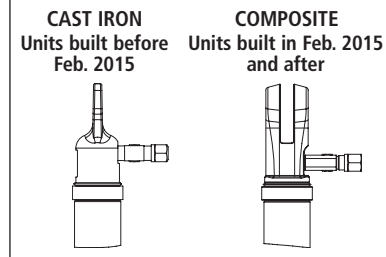


For box assembly replacement, contact a customer service representative.

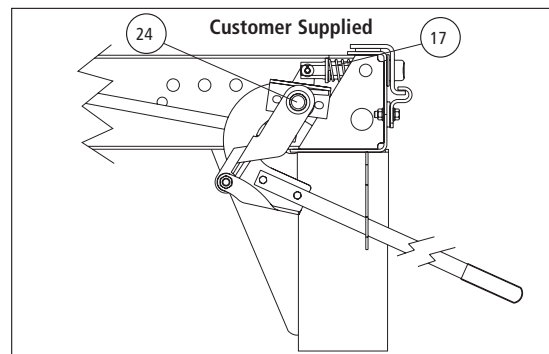
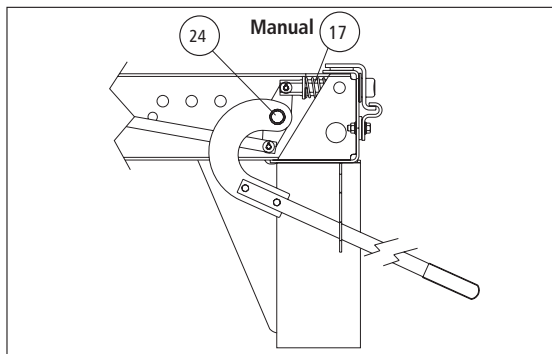
SLIDER PINS



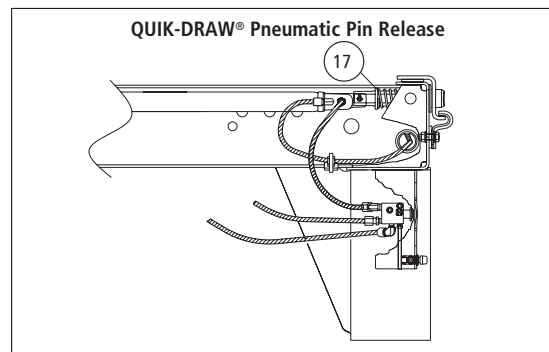
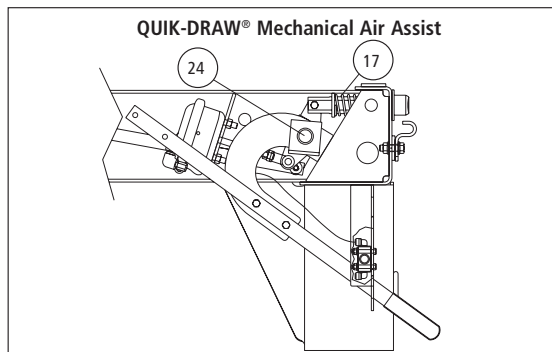
QUIK-DRAW® ACTUATOR ENDS



RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
17	LOCKING PIN SPRING			See L751 QUIK-DRAW® Parts List
18	CLEVIS PIN			See L751 QUIK-DRAW Parts List
19	SPRING PIN (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
20	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
21	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
22	PIN WASHER (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
23	LOCKING PIN LINK COTTER PIN			See L751 QUIK-DRAW Parts List
24	PIPE WELDMENT			
	Manual and mechanical air assist	S-21433	1	
	Customer supplied	S-21433-1	1	
25	BODY RAIL CLIP			
	3.4" clip height	S-24459	4	Use with 4" hole centers and 1.625" locking pin
	3.8" clip height	S-24460	4	Use with 6" hole centers and 1.395" locking pin
26	BODY RAIL CLIP BOLT	SA-6900-2	8	1/2"-13" × 1-1/2" flanged bolt
27	BODY RAIL CLIP SPACER	A-22367	4	2" clip hole centers
28	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and (8) screws



SUSPENSION ASSEMBLIES

HKANT 46K - Narrow Bushing / Tapered Beam Model

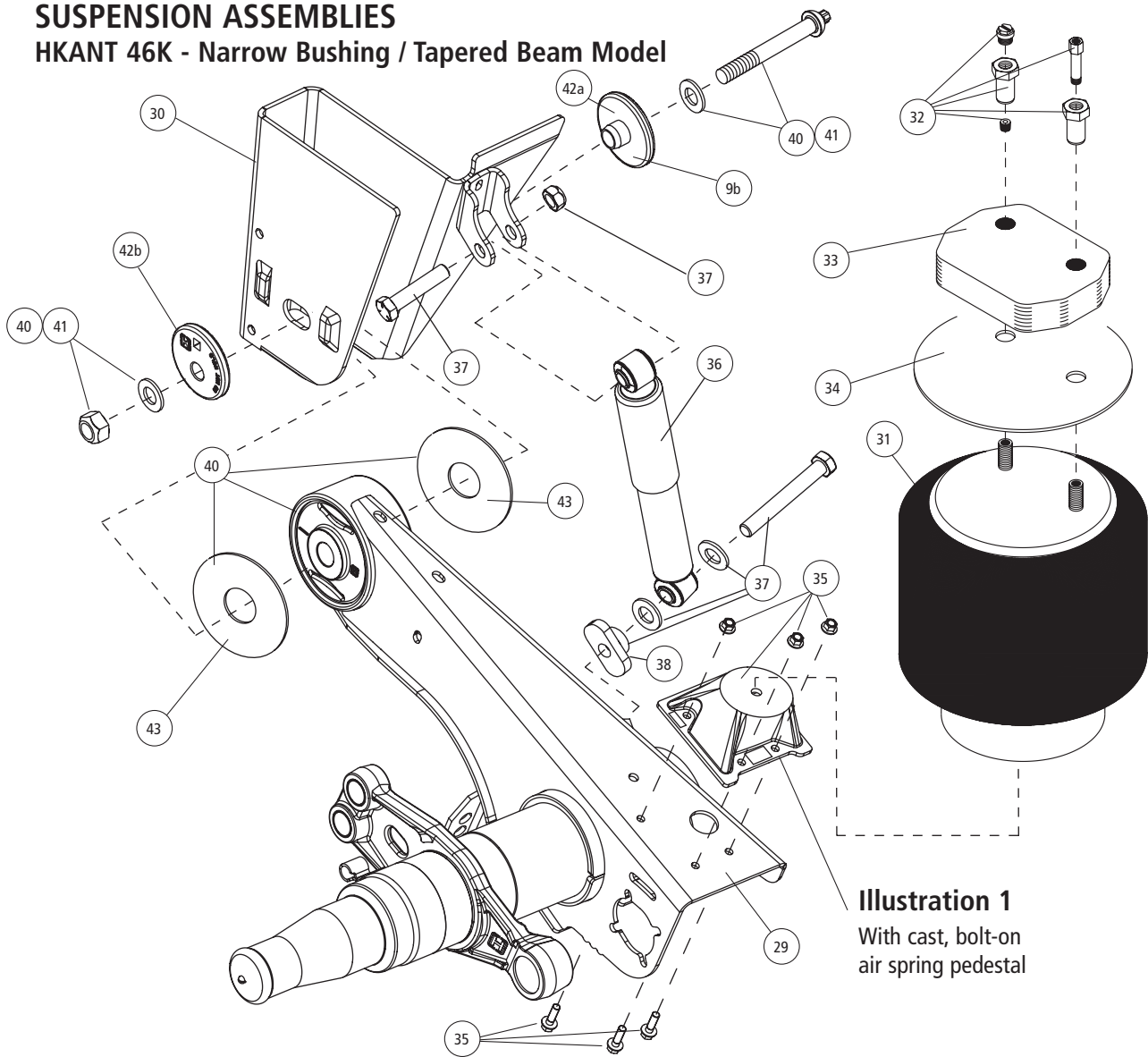
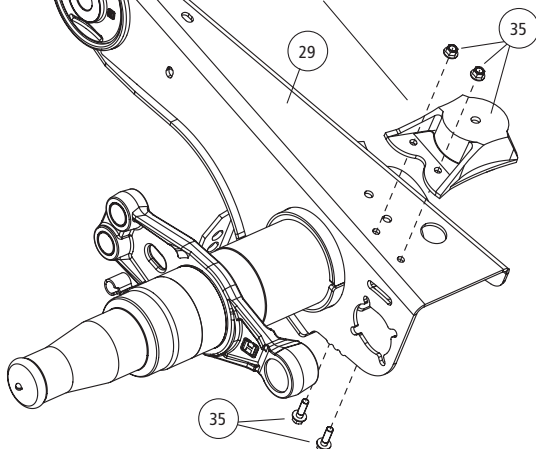


Illustration 1
With cast, bolt-on
air spring pedestal

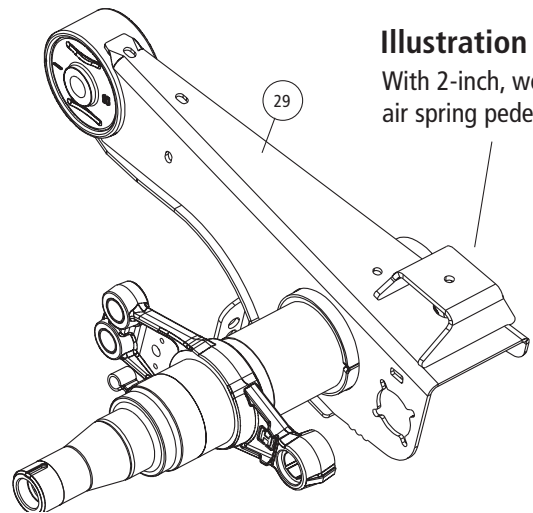
Manufactured Late August 2002 Through 2008

Illustration 2
With cast, bolt-on
air spring pedestal



Manufactured 2001 Through 2002

Illustration 3
With 2-inch, weld-on
air spring pedestal





SUSPENSION ASSEMBLIES —

HKANT 46K - Narrow Bushing / Tapered Beam Model

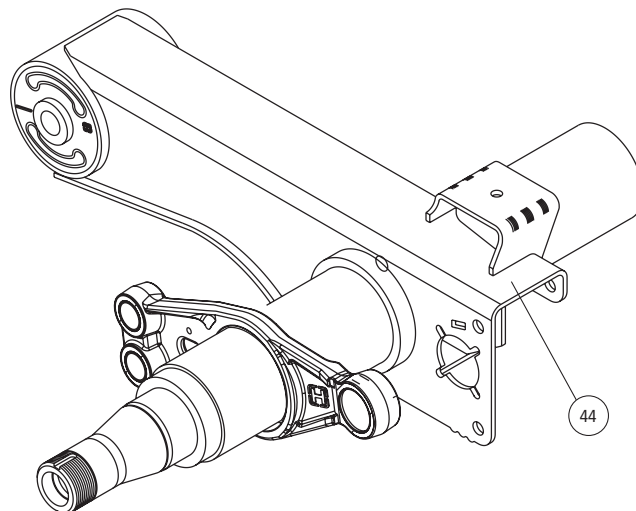
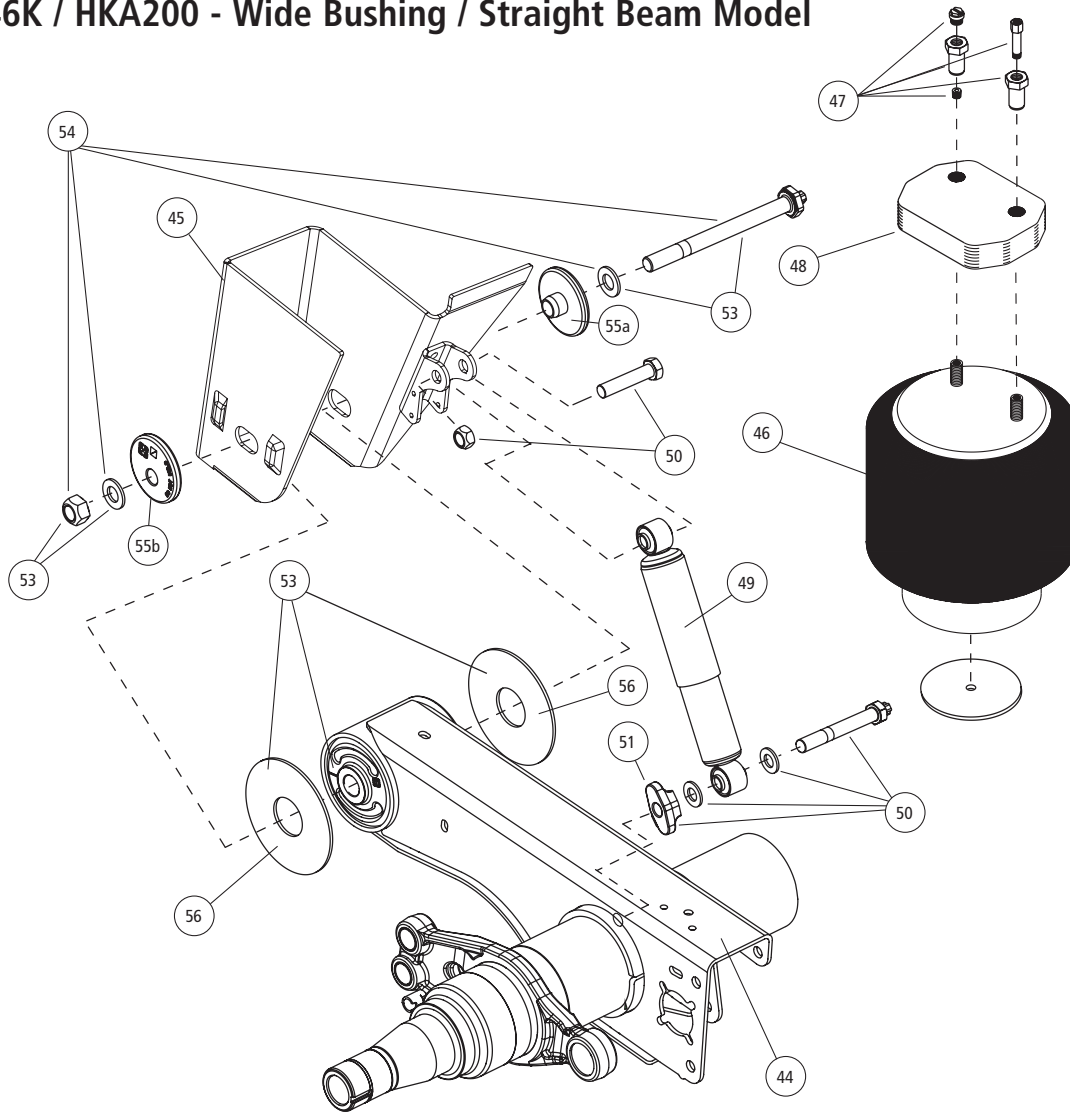
ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
29	HALFTRAAX™ AXLE/BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
30	FRAME BRACKET			See L1266 Frame Bracket Parts List
31	AIR SPRING			
	16" ride height and above	S-22948	4	Replaces C-21966
	Below 16" ride height	S-21800	4	Replaces C-21800
32	AIR SPRING MOUNTING KIT (per air spring) - When model includes a cast, bolt-on pedestal under the air spring.			
	14" - 18" ride heights	S-22619/2	4	Includes Spirallock nuts, pipe plug and flange nut
	19" ride height	S-22630/2	4	Includes Spirallock nuts, pipe plug, air fitting and flange nut
33	AIR SPRING SPACER - When model includes a cast, bolt-on pedestal under the air spring.			19" ride height
		B-22510-1	4	1-1/8" spacer
34	AIR SPRING MOUNTING PLATE	S-27042	4	15.5" ride height
35	CAST AIR SPRING PEDESTAL KIT - When model includes a cast, bolt-on pedestal under the air spring. (Illustrations 1 and 2)			
	16" ride height with 2" pedestal	S-27447-1	2	Includes left and right side pedestals and fasteners
	16.5" ride height with 2.57" pedestal	S-27447-2	2	Same as above
	14" and 17" ride heights with 3.17" pedestal	S-27447-3	2	Same as above
	15", 15.5", 18" and 19" ride heights with 3.91" pedestal	S-27447-4	2	Same as above
36	SHOCK ABSORBER	S-23566	4	Standard duty
37	SHOCK BOLT KIT	S-24049/2	4	Includes shear bolt, spacer, washers, hex bolt and hex nut
38	SHOCK SPACER	S-27196	4	
39	SHOCK STRAP KIT (Not shown)	C-23086-1	4	Includes (2) straps, (2) clevis and (4) ties
40	TRI-FUNCTIONAL® PIVOT BUSHING KIT ¹	S-26321	2	Narrow bushing, includes (2) bushings, (2) pivot bolt kits, (4) bushing tube spacers and lubricant pack
41	QUIK-ALIGN® PIVOT BOLT KIT	S-24705	4	Contains 7" bolt, nut and hardened washers
42	QUIK-ALIGN ALIGNMENT COLLAR			
	42a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	42b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
43	BUSHING TUBE SPACER	S-26807	8	Outer diameter dimension of TRI-FUNCTIONAL bushing inner metal is 2.6"; inner hole dimension of bushing tube spacer 2.95"

1. Bushing tool S-24736 is required to correctly re-bush the suspension.

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank INTRAAX tag on the inside of the curbside beam.



SUSPENSION ASSEMBLIES —
HKAT 46K / HKA200 - Wide Bushing / Straight Beam Model





SUSPENSION ASSEMBLIES — HKAT 46K / HKA200 - Wide Bushing / Straight Beam Model

ITEM	DESCRIPTION	PART NO.	SYSTEM	
			QTY.	NOTE
44	HALFTRAAX™ AXLE/BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
45	FRAME BRACKET ASSEMBLY			See L1266 Frame Bracket Parts List
46	AIR SPRING			
	14" - 15" ride heights	S-21800	4	Replaces C-21800
	16" - 19" ride heights	S-22948	4	Replaces C-21966
47	AIR SPRING MOUNTING KIT (per air spring) - When model includes a 2", weld-on pedestal under the air spring.			
	14" and 16.5" ride heights	S-22635/2	4	Includes Spirallock nuts, pipe plug and flange nut
	16" ride height	S-22619/2	4	Same as above
	15" and 18" ride heights	S-22631/2	4	Includes Spirallock nuts, pipe plug, air fitting and flange nut
	17" ride height	S-22630/2	4	Same as above
	19" ride height	S-22632/2	4	Same as above
48	AIR SPRING SPACER - When model includes a 2", weld-on pedestal under the air spring.			
	14" and 16.5" ride heights	B-22510-4	4	3/4" spacer
	15" and 18" ride heights	B-22510-2	4	1-7/8" spacer
	17" ride height	B-22510-1	4	1-1/8" spacer
	19" ride height	B-22510-3	4	3-1/8" spacer
49	SHOCK ABSORBER	S-23566	4	Standard duty
50	SHOCK BOLT KIT	S-24049/2	4	Includes shear bolt, spacer, washers, hex bolt and hex nut
51	SHOCK SPACER	S-27196	4	
52	SHOCK STRAP KIT (Not shown)	C-23086-1	4	Includes (2) straps, (2) clevis and (4) ties
53	TRI-FUNCTIONAL® PIVOT BUSHING KIT ¹	S-24691	4	Wide bushing, includes (1) bushing, (1) pivot bolt kit, (2) bushing tube spacers and lubricant pack
54	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	4	Contains 10" bolt, nut and hardened washers
55	QUIK-ALIGN ALIGNMENT COLLAR			
	55a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	55b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
56	BUSHING TUBE SPACER	S-21099	8	Outer diameter dimension of TRI-FUNCTIONAL® Bushing inner-metal is 2.2"; Inner hole dimension of bushing tube spacer 2.38"

1. Bushing tool S-21307 is required to correctly re-bush the suspension

More information can be found in the following documents

Lit. Number	Description
L1055	SURELOK® Parts List
L1102	Slider Accessories and Axle Components Parts List
L949	RTR® READY-TO-ROLL® Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1063	Air Disc Brakes Parts List
L1104	Brake Kits and Components Parts List

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank INTRAAX tag on the inside of the curbside beam



Slider Suspension System

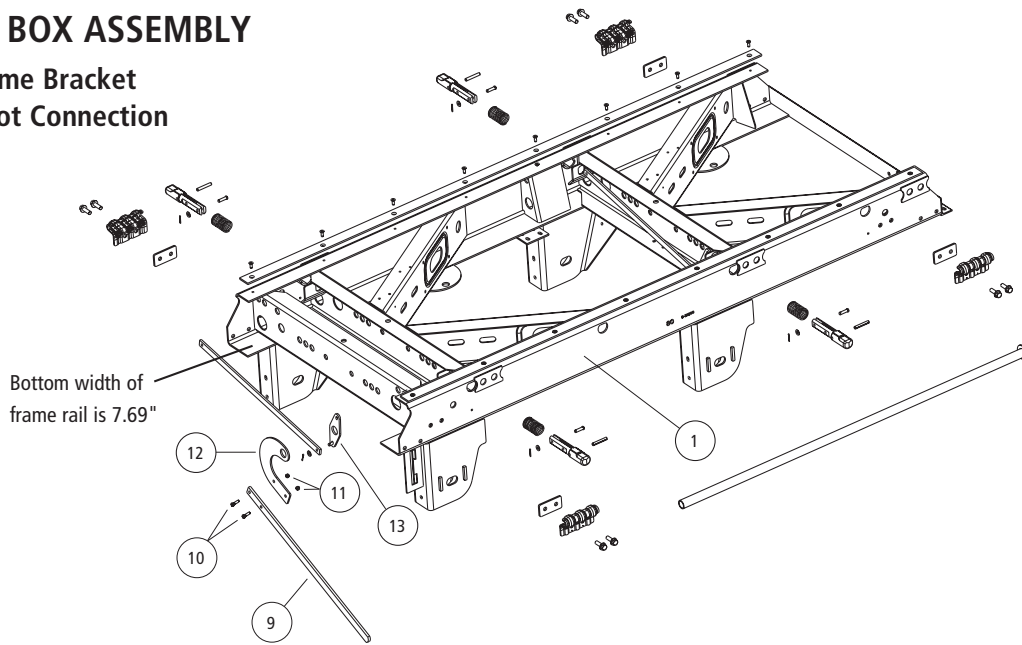
VANTRAAX® HKANT 50K

L561 - Suspension Components	198
L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
L1287 - Shocks	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346

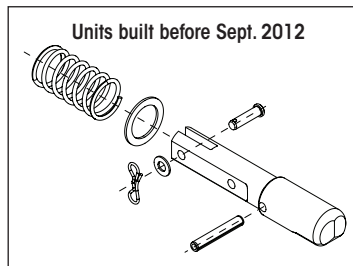
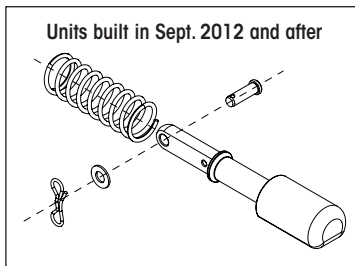


SLIDER BOX ASSEMBLY

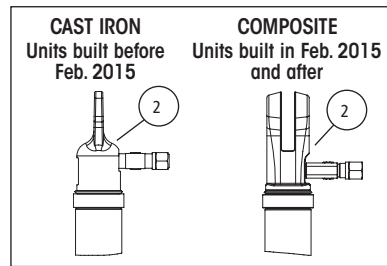
Wide Frame Bracket
Wide Pivot Connection



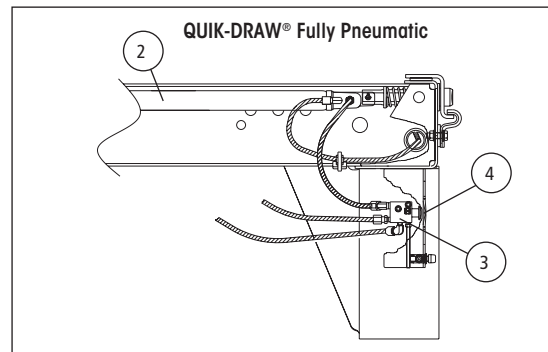
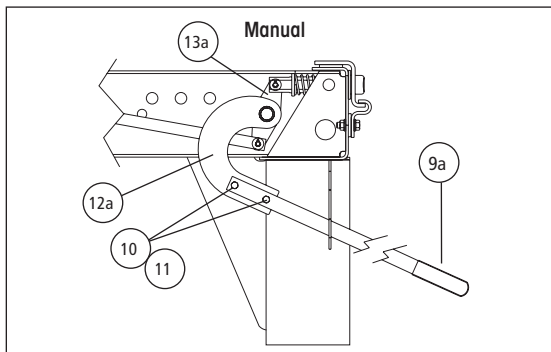
SLIDER PINS



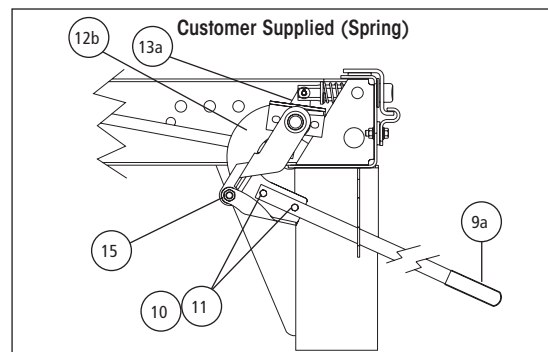
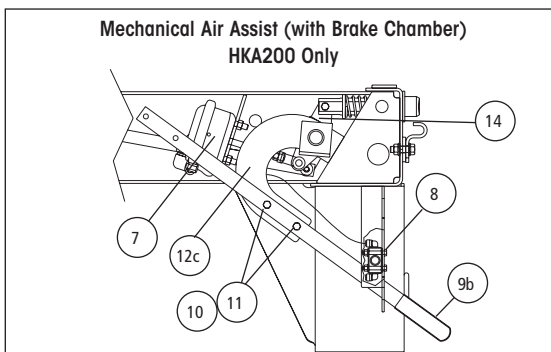
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





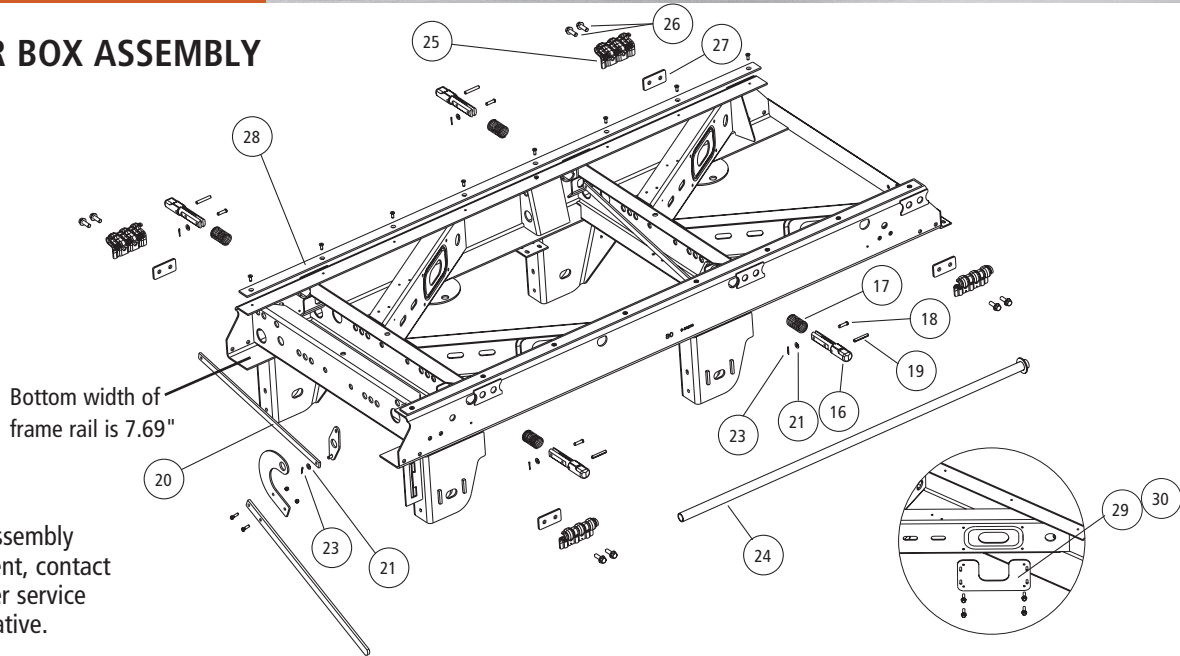
SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET BOX REPLACEMENT	AMBOX.###	1	Many options exist. Contact Hendrickson with your model number for assistance. You can upgrade to QUIK-DRAW® pneumatic pin-pull system when you replace your slider box.
2	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM			See L751 QUIK-DRAW Parts List
3	QUIK-DRAW VALVE			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE KNOB with SET SCREW			See L751 QUIK-DRAW Parts List
5	QUIK-DRAW VALVE SPACER (Not Shown)			See L751 QUIK-DRAW Parts List
6	QUIK-DRAW RETROFIT KIT (Not Shown)			See L751 QUIK-DRAW Parts List
7	BRAKE CHAMBER MECHANICAL AIR ASSIST	A-23039	1	Type 12 modified
8	AIR VALVE MECHANICAL AIR ASSIST	VS-23224	1	Air valve with fittings
9	HANDLE ASSEMBLY			
	9a Manual and customer supplied	S-25592	1	Handle and grip assembly
	9b Mechanical air assist	B-22923	1	Handle only
10	HANDLE BOLT	SA-1100-10	2	2-3/8"-16 × 1-1/4" hex head bolt, grade 5
11	HANDLE NUT	SA-9000-5	2	2-3/8"-16 lock nut, grade B
12	HANDLE MOUNT			
	12a Manual	C-21275	1	
	12b Customer supplied	S-23534	1	Includes crank arm bolt kit
	12c Mechanical air assist	C-23231	1	
13	CRANK ARM WELDMENT			
	13a Manual and customer supplied	B-33010	2	For front and rear of slider box
	13b Mechanical air assist - rear (Not Shown)	B-33010	1	For rear of slider box
14	CRANK ARM PLATE MECHANICAL AIR ASSIST	B-23025	1	For front of slider box
15	CRANK ARM BOLT KIT			
	Customer supplied mechanism	A-22041	1	Includes bolt, flat washer, lock washer and nut

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX® tag on the inside of the curbside beam.

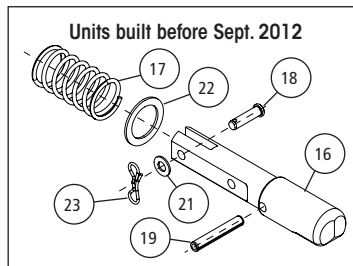
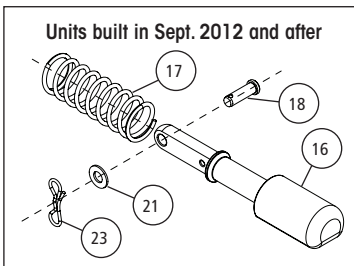


SLIDER BOX ASSEMBLY

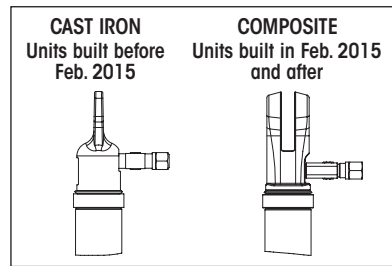


For box assembly replacement, contact a customer service representative.

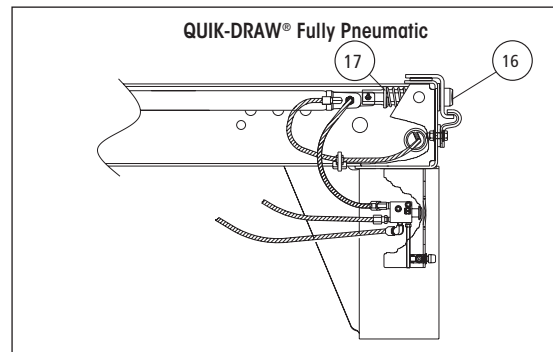
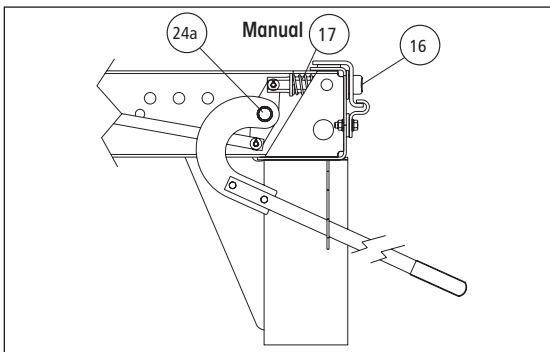
SLIDER PINS



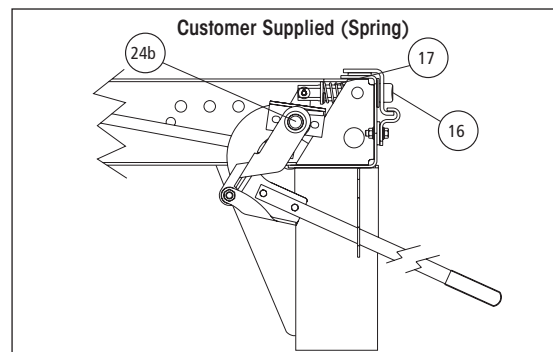
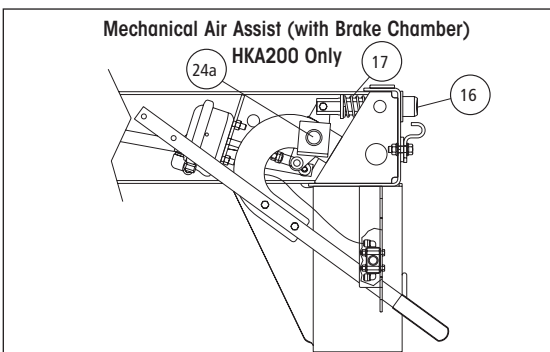
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





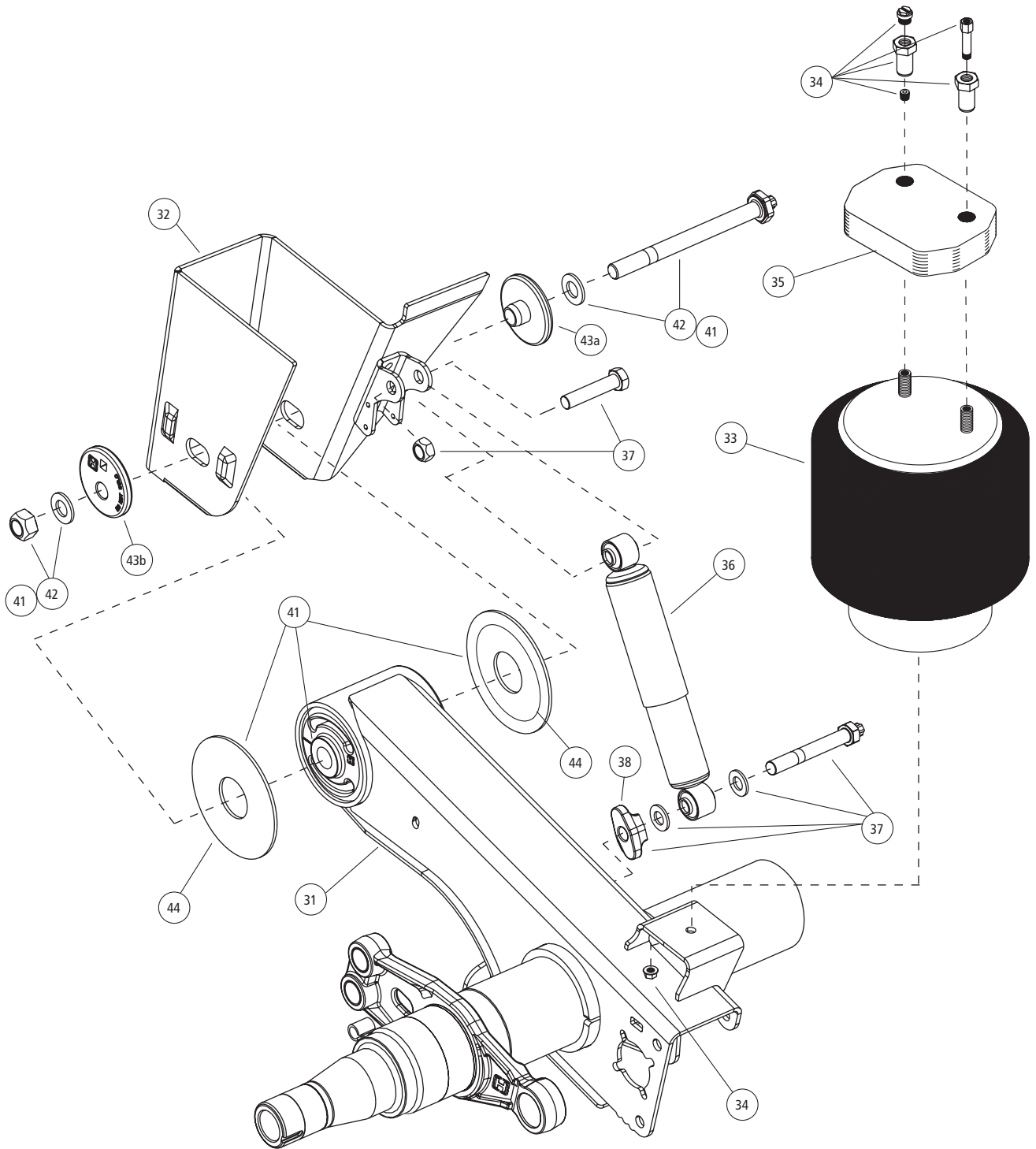
SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
16	LOCKING PIN			See L751 QUIK-DRAW® Parts List
17	LOCKING PIN SPRING			See L751 QUIK-DRAW Parts List
18	CLEVIS PIN			See L751 QUIK-DRAW Parts List
19	SPRING PIN (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
20	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
21	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
22	PIN WASHER (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
23	LOCKING PIN LINK COTTER PIN			See L751 QUIK-DRAW Parts List
24	PIPE WELDMENT			
	24a Manual and mechanical air assist	S-21433	1	
	24b Customer supplied machanism	S-21433-1	1	
25	BODY RAIL CLIP			
	25a 3.4" clip height	S-24459	4	Use with 4" hole centers
	25b 3.8" clip height	S-24460	4	Use with 6" hole centers
26	BODY RAIL CLIP BOLT	SA-6900-2	8	1/2"-13" × 1-1/2" flanged bolt
27	BODY RAIL CLIP SPACER			
	2" clip hole centers	A-22367	4	
28	SLIDER WEAR PAD KIT	S-14342-3	2	Pad with screws
29	K-BRACE REINFORCEMENT KIT (16" Ride Height)	S-27316-1	1	Includes (4) reinforcement plates, (4) air spring plates, screws and nuts
30	K-BRACE REINFORCEMENT KIT (All Other Ride Heights)	S-27316-2	1	Includes (4) reinforcement plates, screws and nuts

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX® tag on the inside of the curbside beam.



SUSPENSION ASSEMBLIES





SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
31	HALF-TRAAX AXLE / BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance Many options exist. Contact Hendrickson with your model number for assistance. You can spec your replacement axles fully dressed.
32	FRAME BRACKET			See L1266 Frame Bracket Parts List
33	AIR SPRING			
	14"-15" ride height	S-20901	4	Includes air spring bottom disk
	16"-19" ride height	S-23748	4	Same as above
34	AIR SPRING MOUNTING KIT (per air spring) When model includes a 2", weld-on pedestal under the air spring.			
	14" and 16.5" ride height	S-22635/2	4	Includes Spiralock nuts, pipe plug and flange nut
	16" ride height	S-22619/2	4	Same as above
	15" and 18" ride height	S-22631/2	4	Includes Spiralock nuts, pipe plug, air fitting and flange nut
	17" ride height	S-22630/2	4	Same as above
	19" ride height	S-22632/2	4	Same as above
35	AIR SPRING SPACER - When model includes a 2", weld-on pedestal under the air spring.			
	14" and 16.5" ride height	B-22510-4	4	3/4" spacer
	15" and 18" ride height	B-22510-2	4	1-7/8" spacer
	17" ride height	B-22510-1	4	1-1/8" spacer
	19" ride height	B-22510-3	4	3-1/8" spacer
36	SHOCK ABSORBER			
	Standard duty	S-24023	4	
37	SHOCK BOLT KIT	S-24049/2	4	Includes shear bolt, spacer, washers, hex bolt and hex nut
38	SHOCK SPACER	B-27196	4	
39	SHOCK STRAP (Not Shown)	C-24041-1	4	
40	SHOCK STRAP KIT (Not Shown)	C-23086-1	4	Includes strap, clevis and ties
41	TRI-FUNCTIONAL® PIVOT BUSHING KIT			
	Wide bushing	S-24691	4	Includes (1) bushing, (1) pivot bolt kit, (2) bushing tube spacers and lubricant pack
42	QUIK-ALIGN® PIVOT BOLT KIT (alignment collars not included)	S-24679	4	Contains 10" bolt, nut and hardened washers
43	QUIK-ALIGN ALIGNMENT COLLAR			
	43a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	43b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
44	BUSHING TUBE SPACER	S-21099	8	Outer diameter dimension of TRI-FUNCTIONAL® Bushing inner-metal is 2.2"; Inner hole dimension of bushing tube spacer 2.38"

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX® tag on the inside of the curbside beam.



Slider Suspension System

VANTRAAX® HKANT 23K

L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
L1287 - Shocks	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



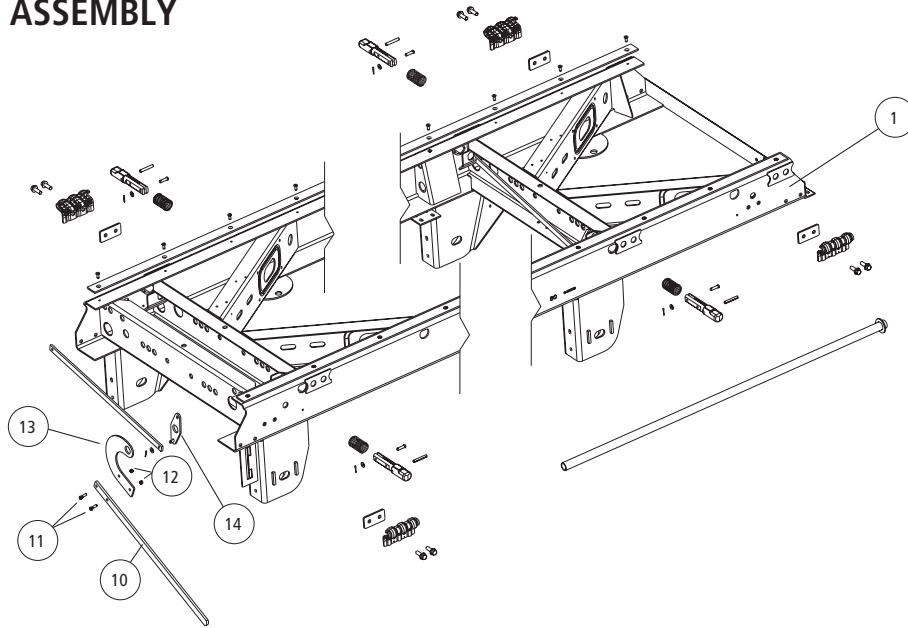
Slider Suspension System

VANTRAAX® HKANT / HKAT Tridem Slider

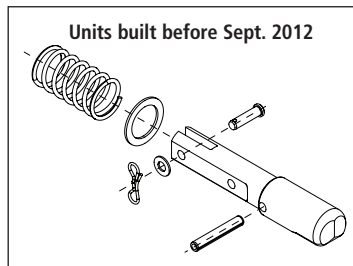
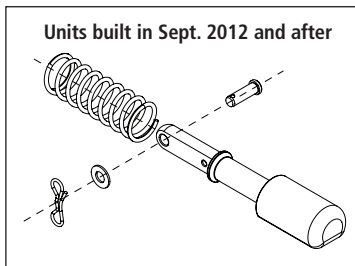
L1221 - Suspension Components.....	206
L1079 - Suspension Components.....	212
L1102 - Slider Accessories.....	400
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	356
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



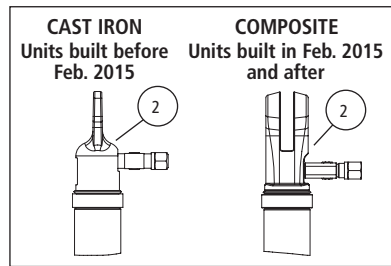
SLIDER BOX ASSEMBLY



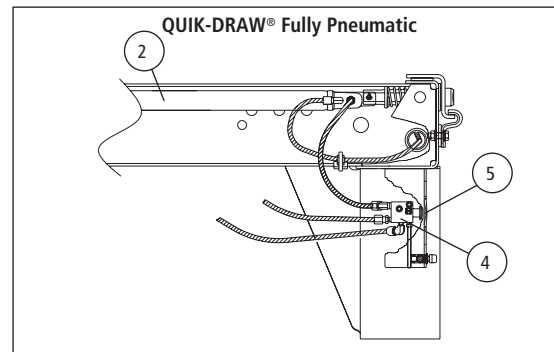
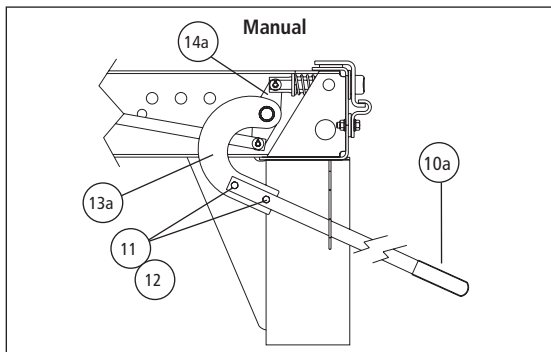
SLIDER PINS



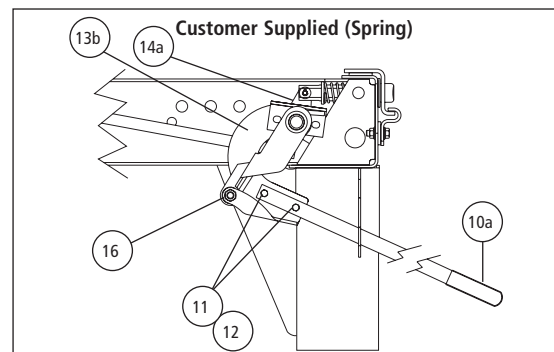
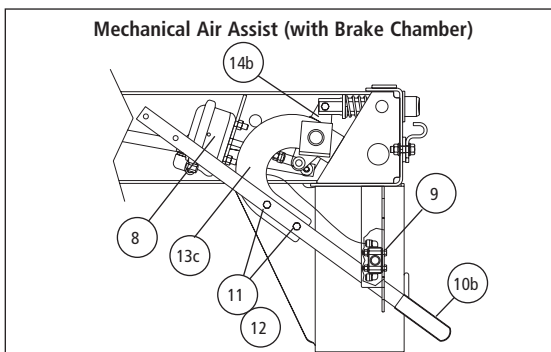
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





SLIDER BOX ASSEMBLY

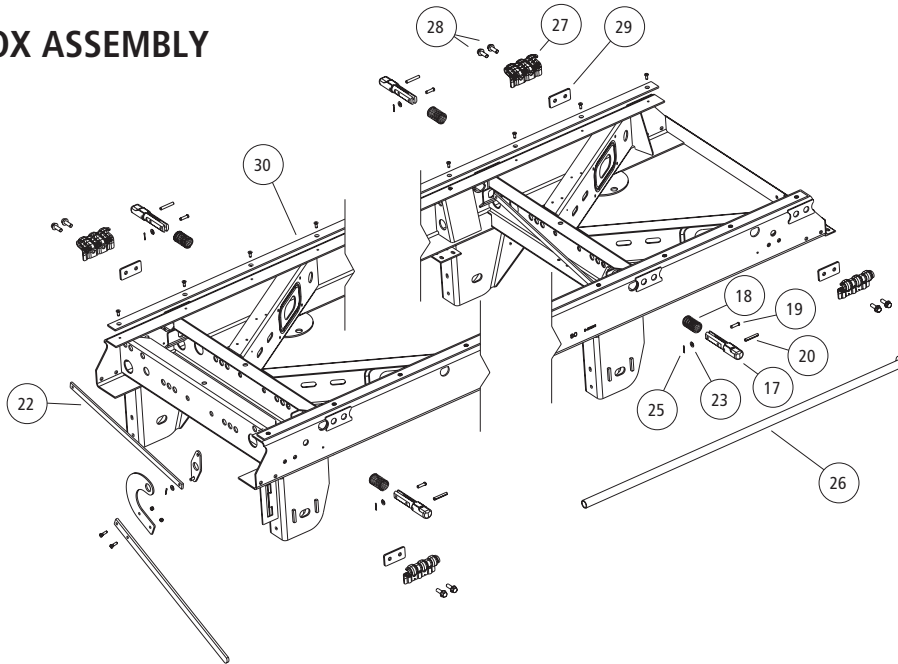
ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET BOX REPLACEMENT	AMBOX.###	1	Contact Hendrickson for assistance
2	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM			See L751 QUIK-DRAW Parts List
3	PIN EXTENSION 54" BOX WIDTH (Not shown)			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE			See L751 QUIK-DRAW Parts List
5	QUIK-DRAW VALVE KNOB with SCREW SET			See L751 QUIK-DRAW Parts List
6	QUIK-DRAW VALVE SPACER (Not shown)			See L751 QUIK-DRAW Parts List
7	QUIK-DRAW RETROFIT KIT (Not shown)			See L751 QUIK-DRAW Parts List
8	BRAKE CHAMBER MECHANICAL AIR ASSIST	A-23039	1	Type 12 modified
9	AIR VALVE MECHANICAL AIR ASSIST	VS-23224	1	Includes air valve with fittings
10	HANDLE ASSEMBLY			
	10a Manual / customer supplied	S-25592	1	Handle and grip assembly
	10b Mechanical air assist	B-22923	1	Handle only
11	HANDLE BOLT	SA-1100-10	2	2-3/8"-16 × 1-1/4" hex head bolt, grade 5
12	HANDLE NUT	SA-9000-5	2	2-3/8"-16 lock nut, grade B
13	HANDLE MOUNT			
	13a Manual	C-21275	1	
	13b Customer supplied	S-23534	1	
	13c Mechanical air assist	C-23231	1	Includes crank arm bolt kit
14	CRANK WELDMENT			
	14a Manual and customer supplied	B-33010	2	For front and rear of slider box
	14b Mechanical air assist - rear (Not shown)	B-33010	1	For rear of slider box
15	CRANK PLATE (Not shown)	OBS-23025	1	Mechanical air assist
16	CRANK ARM BOLT KIT	OBS-14233	1	Includes bolt, flat washer, lock washer & nut

Note: Narrow hanger shown. Pin pull mechanisms are identical for both wide and narrow width slider models.

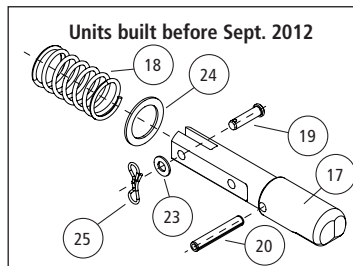
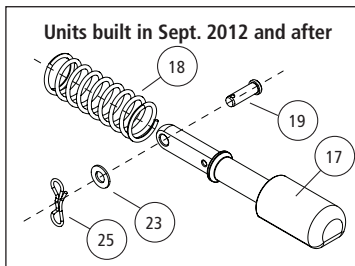
Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.



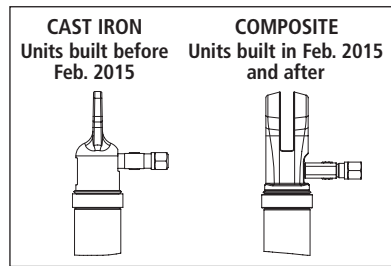
SLIDER BOX ASSEMBLY



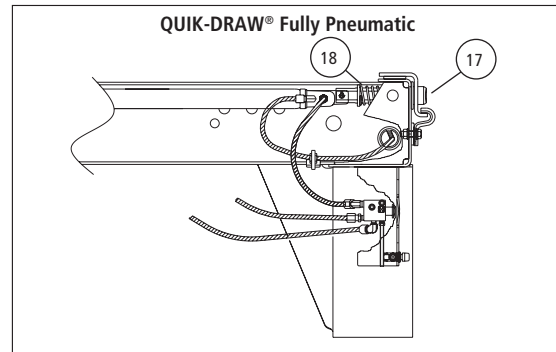
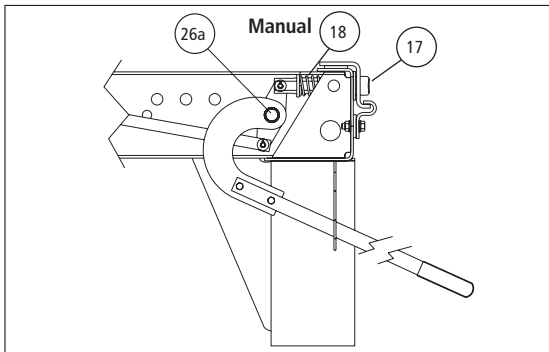
SLIDER PINS



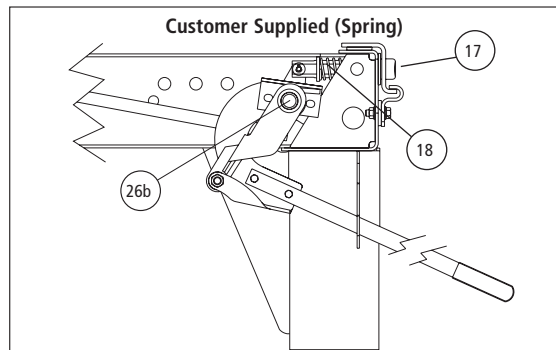
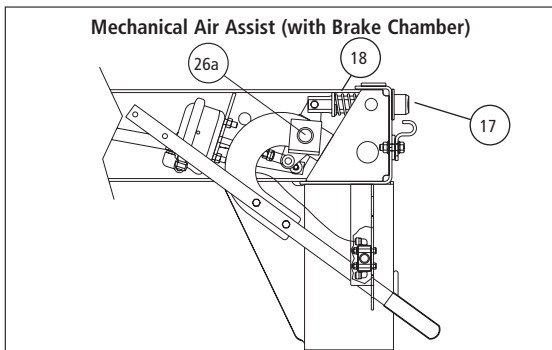
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





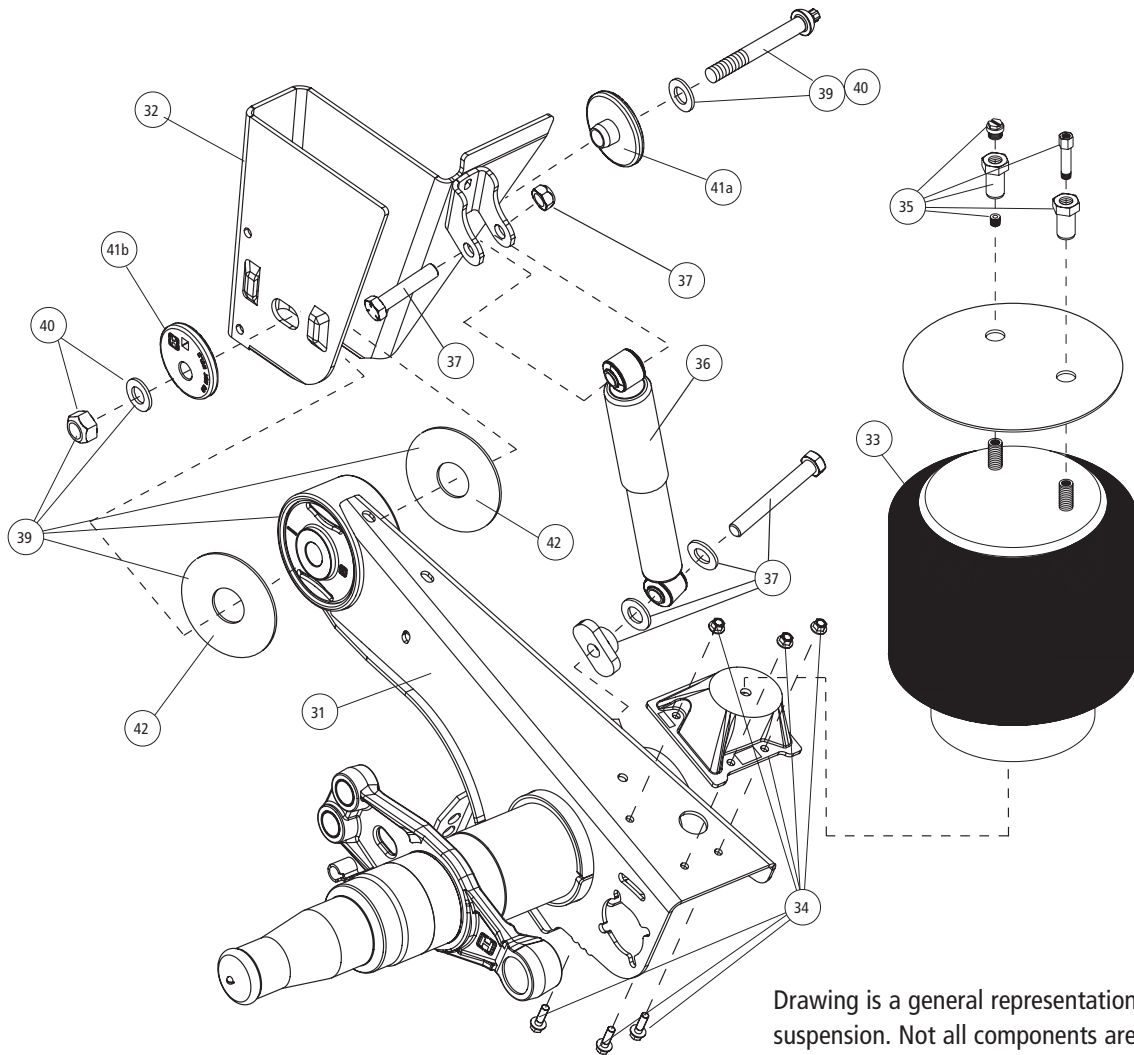
SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
17	LOCKING PIN			See L751 QUIK-DRAW® Parts List
18	LOCKING PIN SPRING			See L751 QUIK-DRAW Parts List
19	CLEVIS PIN			See L751 QUIK-DRAW Parts List
20	SPRING PIN (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
21	PIN GUIDE (Not shown)			
	Roadside	S-29646-1	2	
	Curbside	S-29646-2	2	
22	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
23	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
24	PIN WASHER			See L751 QUIK-DRAW Parts List
25	LOCKING COTTER PIN			See L751 QUIK-DRAW Parts List
26	PIPE WELDMENT			
	26a Manual and mechanical air assist	S-21433	1	
	26b Customer supplied	S-21433-1	1	
27	BODY RAIL CLIP			
	3.4" clip height	S-24459	4	Use with 4" hole centers and 1.625" locking pin
	3.8" clip height	S-24460	4	Use with 6" hole centers and 1.375" locking pin
28	BODY RAIL BOLT	SA-6900-2	8	1/2"-13" × 1-1/2" flanged bolt
29	BODY RAIL CLIP SPACER	A-22367	6	2" clip hole centers
30	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and (8) screws

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.



SUSPENSION ASSEMBLIES



Drawing is a general representation of the actual suspension. Not all components are shown.



SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM	
			QTY.	NOTE
31	HALF-TRAAX™ AXLE/BEAM WELDMENT	HTRAAX.###	3	Contact Hendrickson for assistance
32	FRAME BRACKET ¹			See L1266 Frame Bracket Parts List
33	AIR SPRING			
	15" ride height	C-21800	6	
	16" – 18" ride heights	C-21966	6	
34	CAST AIR SPRING PEDESTAL KIT			Includes left and right side pedestals and fasteners
		S-27447-1	2	16" ride height with 2" pedestal
		S-27447-2	2	16.5" ride height with 2.57" pedestal
		S-27447-3	2	14" and 17" ride heights with 3.17" pedestal
		S-27447-4	2	15", 15.5", 18" and 19" ride heights with 3.91" pedestal
35	AIR SPRING MOUNTING KIT			
	16" and 17" ride heights	S-22619/2	6	
	16.5" and 18" ride heights	S-22630/2	6	
36	SHOCK ABSORBER	S-23566	6	
37	SHOCK BOLT KIT (Per shock)	S-24021	6	Includes shear bolt, spacer, washers, hex bolt and hex nut
38	SHOCK STRAPS (Not shown)	C-23086-1	6	Includes straps, clevis and nylon ties
39	TRI-FUNCTIONAL® PIVOT BUSHING KIT ²	S-26321	6	Includes (1) bushing, (1) pivot bolt kit, (2) bushing tube spacers and lubricant pack
40	QUIK-ALIGN® PIVOT BOLT KIT	S-24705	6	Contains 10" bolt, nut and hardened washers
41	QUIK-ALIGN ALIGNMENT COLLARS			
	41a Concentric (Inner)	S-20924	6	Pivot hole is in center of collar
	41b Eccentric (Outer)	S-20925	6	Pivot hole is offset from the center of collar
42	BUSHING TUBE SPACER	S-21099	12	

1. Other options may exist. Contact Hendrickson for assistance.

2. Bushing tool S-21307 is required to properly re-bush the suspension.

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.

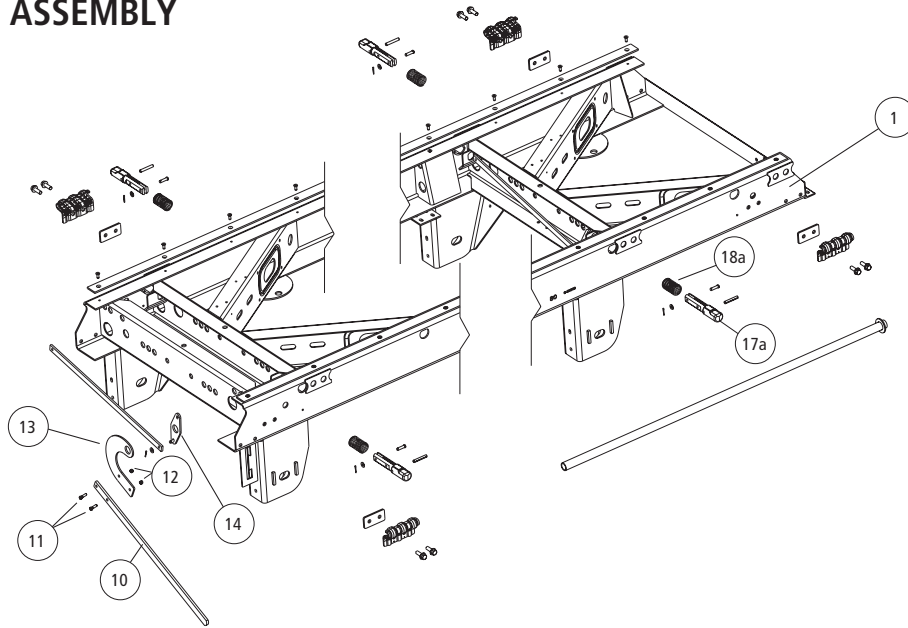
OTHER PARTS LISTS

More information can be found in the following documents

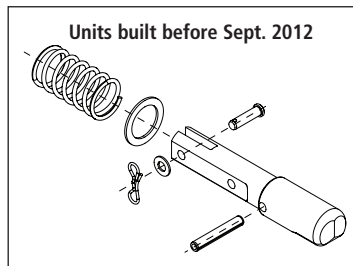
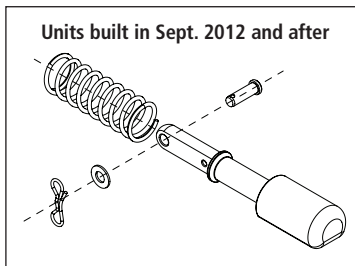
Lit. Number	Description
L1055	SURELOK® Parts List
L1102	Slider Accessories and Axle Components Parts List
L949	RTR® READY-TO-ROLL® Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1063	Air Disc Brakes Parts List
L1104	Brake Kits and Components Parts List



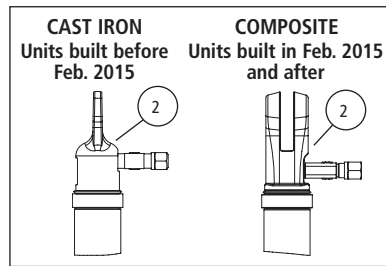
SLIDER BOX ASSEMBLY



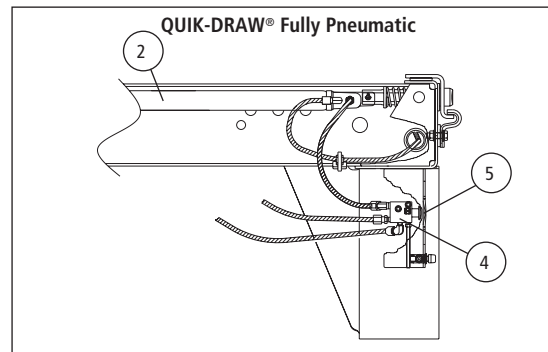
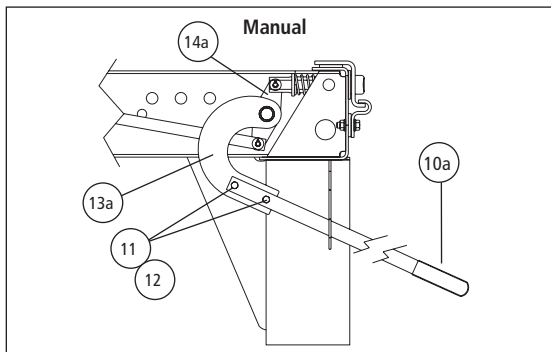
SLIDER PINS



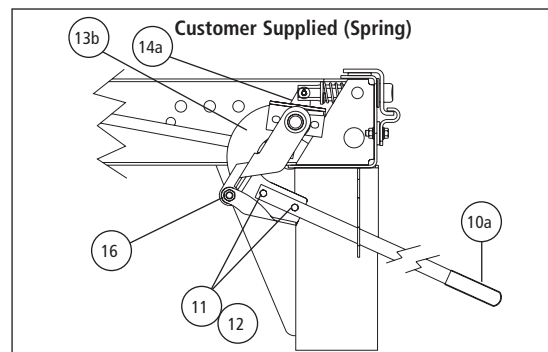
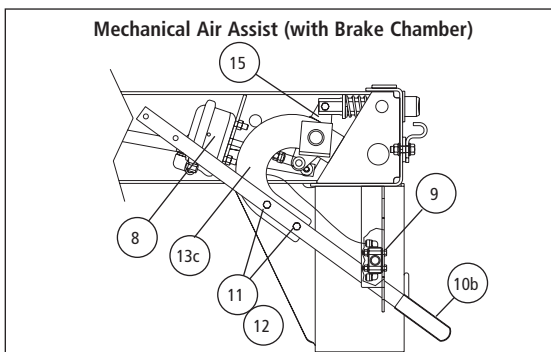
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



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SLIDER BOX ASSEMBLY

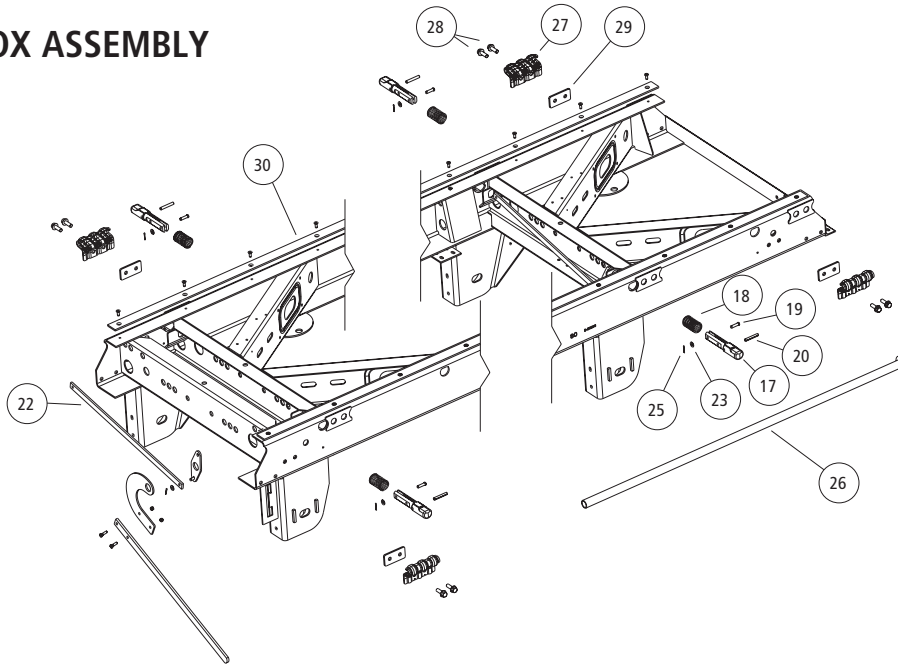
ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET BOX REPLACEMENT	AMBOX.###	1	Contact Hendrickson for assistance
2	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM			See L751 QUIK-DRAW Parts List
3	PIN EXTENSION 54" BOX WIDTH			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE			See L751 QUIK-DRAW Parts List
5	QUIK-DRAW VALVE KNOB with SCREW SET			See L751 QUIK-DRAW Parts List
6	QUIK-DRAW VALVE SPACER (not shown)			See L751 QUIK-DRAW Parts List
7	QUIK-DRAW RETROFIT KIT (not shown)			See L751 QUIK-DRAW Parts List
8	BRAKE CHAMBER MECHANICAL AIR ASSIST	A-23039	1	Type 12 modified
9	AIR VALVE MECHANICAL AIR ASSIST	VS-23224	1	Includes air valve with fittings
10	HANDLE ASSEMBLY			
	10a Manual / Customer supplied	S-25592	1	Handle and grip assembly
	10b Mechanical air assist	B-22923	1	Handle only
11	HANDLE BOLT	SA-1100-10	2	2-3/8" -16 × 1-1/4" hex head bolt, grade 5
12	HANDLE NUT	SA-9000-5	2	2-3/8" -16 lock nut, grade B
13	HANDLE MOUNT			
	13a Manual	C-21275	1	
	13b Customer supplied	S-23534	1	
	13c Mechanical air assist	C-23231	1	Includes crank arm bolt kit
14	CRANK WELDMENT			
	14a Manual and customer supplied	B-33010	2	For front and rear of slider box
	14b Mechanical air assist - rear (not shown)	B-33010	1	For rear of slider box
15	CRANK PLATE	B-23025	1	Mechanical Air Assist
16	CRANK ARM BOLT KIT	A-22041	1	Includes bolt, flat washer, lock washer & nut

Note: Narrow hanger shown. Pin pull mechanisms are identical for both wide and narrow width slider models.

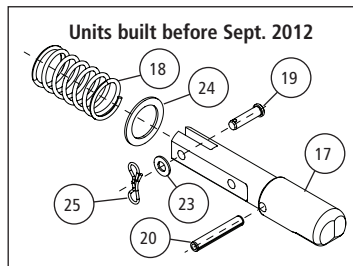
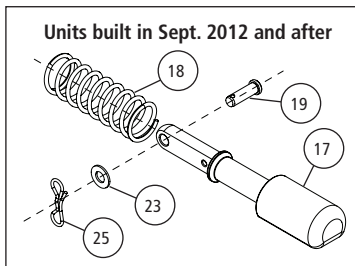
Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.



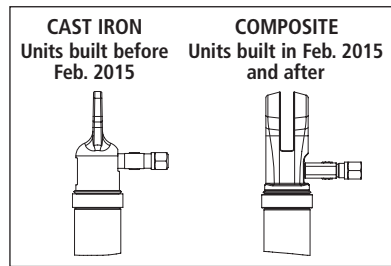
SLIDER BOX ASSEMBLY



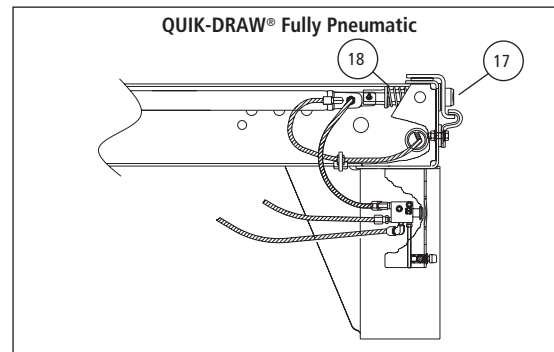
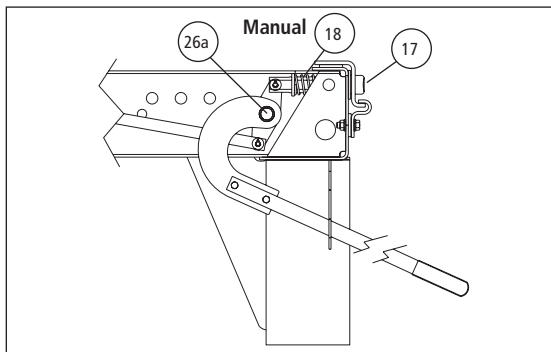
SLIDER PINS



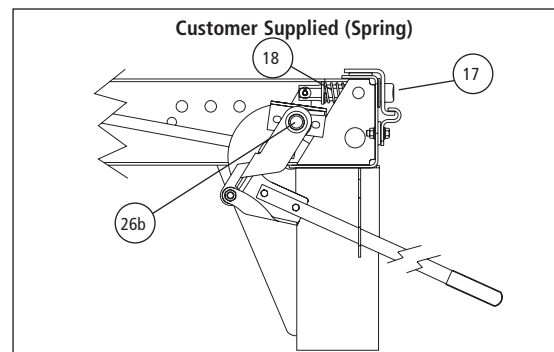
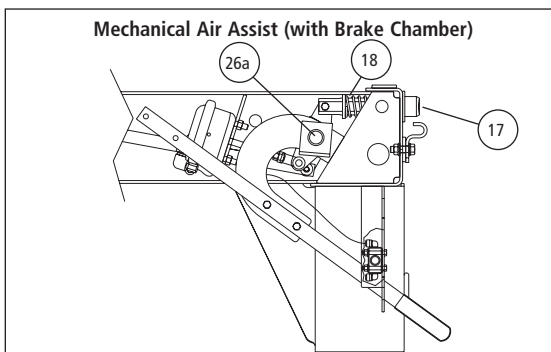
QUIK-DRAW® ACTUATOR ENDS



CURRENT PRODUCTION PIN-PULL RELEASE MECHANISMS



NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





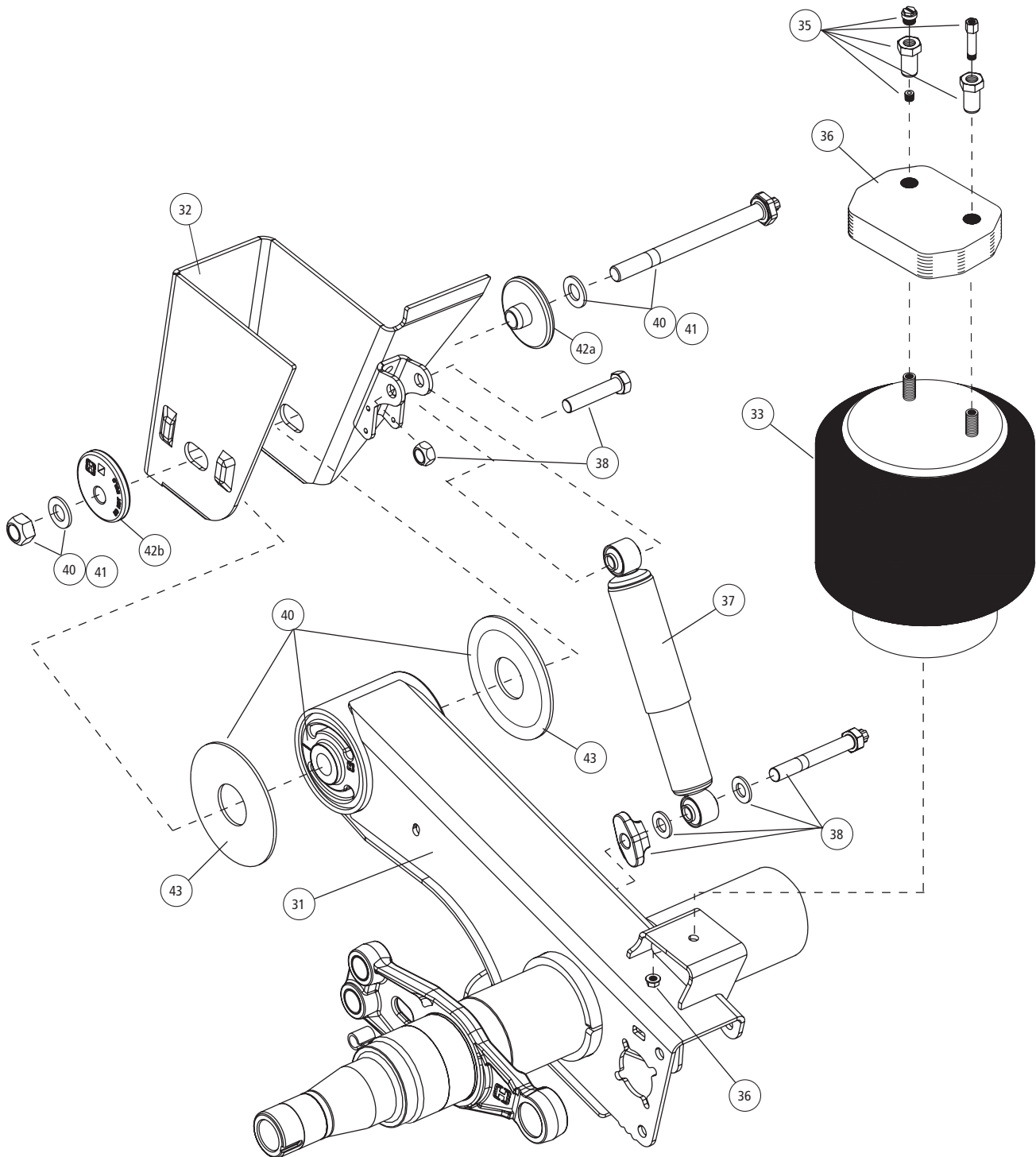
SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
17	LOCKING PIN			See L751 QUIK-DRAW® Parts List
18	LOCKING PIN SPRING			See L751 QUIK-DRAW Parts List
19	CLEVIS PIN			See L751 QUIK-DRAW Parts List
20	SPRING PIN (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
21	PIN GUIDE (not shown)			
	Roadside	S-29646-1	2	
	Curbside	S-29646-2	2	
22	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
23	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
24	PIN WASHER (Units built before Sept. 2012)			See L751 QUIK-DRAW Parts List
25	LOCKING COTTER PIN			See L751 QUIK-DRAW Parts List
26	PIPE WELDMENT			
	26a Manual and mechanical air assist	S-21433	1	
	26b Customer supplied	S-21433-1	1	
27	BODY RAIL CLIP			
	27a 3.4" clip height	S-24459	4	Use with 4" hole centers and 1.625" locking pin
	27b 3.8" clip height	S-24460	4	Use with 6" hole centers and 1.375" locking pin
28	BODY RAIL BOLT	SA-6900-2	8	1/2"-13" × 1-1/2" flanged bolt
29	BODY RAIL CLIP SPACER	A-22367	6	2" clip hole centers
30	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and (8) screws

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.



SUSPENSION ASSEMBLIES



Drawing is a general representation of the actual suspension. Not all components are shown.



SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
31	HALF-TRAAX AXLE/BEAM WELDMENT	HTRAAX.###	3	Contact Hendrickson for assistance
32	FRAME BRACKET			See L1266 Frame Bracket Parts List
33	AIR SPRING	S-23748	6	
34	AIR SPRING BOTTOM DISK (not shown)	S-21786	6	
35	AIR SPRING MOUNTING KIT (per air spring)			
	16" and 17" ride heights	S-22619/2	6	
	16.5" and 18" ride heights	S-22630/2	6	
	19" ride height	S-22632/2	6	
36	AIR SPRING SPACER			
	16.5" ride height	B-22510-4	6	3/4" thick spacer
	18" ride height	B-22510-4	6	3/4" thick spacer
37	SHOCK ABSORBER	S-24023	6	
38	SHOCK BOLT KIT (per shock)	S-24021	6	Includes shear bolt, spacer, washers, hex bolt and hex nut
39	SHOCK STRAPS (not shown)	C-23086-2	6	Includes straps, clevis and nylon ties. Use with S-24023 shock.
40	TRI-FUNCTIONAL® PIVOT BUSHING KIT ²	S-24691	6	Includes (1) bushing, (1) pivot bolt kit, (2) bushing tube spacers and lubricant pack
41	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	6	Contains 10" bolt, nut and hardened washers
42	QUIK-ALIGN ALIGNMENT COLLARS			
	42a Concentric (Inner)	S-20924	6	Pivot hole is in center of collar
	42b Eccentric (Outer)	S-20925	6	Pivot hole is offset from the center of collar
43	BUSHING TUBE SPACER	S-21099	12	

OTHER PARTS LISTS

More information can be found in the following documents

Lit. Number	Description
L1055	SURELOK® Parts List
L1102	Slider Accessories and Axle Components Parts List
L949	RTR® READY-TO-ROLL® Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1063	Air Disc Brakes Parts List
L1104	Brake Kits and Components Parts List

1. Other options may exist. Contact Hendrickson for assistance.

2. Bushing tool S-21307 is required to properly re-bush the suspension.

Note: Identification can be found on the roadside slider box rail above the front frame bracket. There is also a blank INTRAAX tag on the inside of the curbside beam.



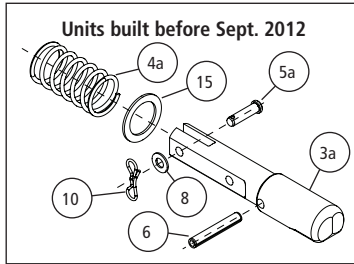
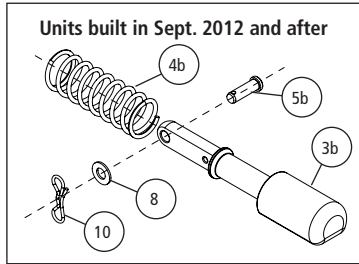
Slider Suspension System

VANTRAAX® HKAL 46K

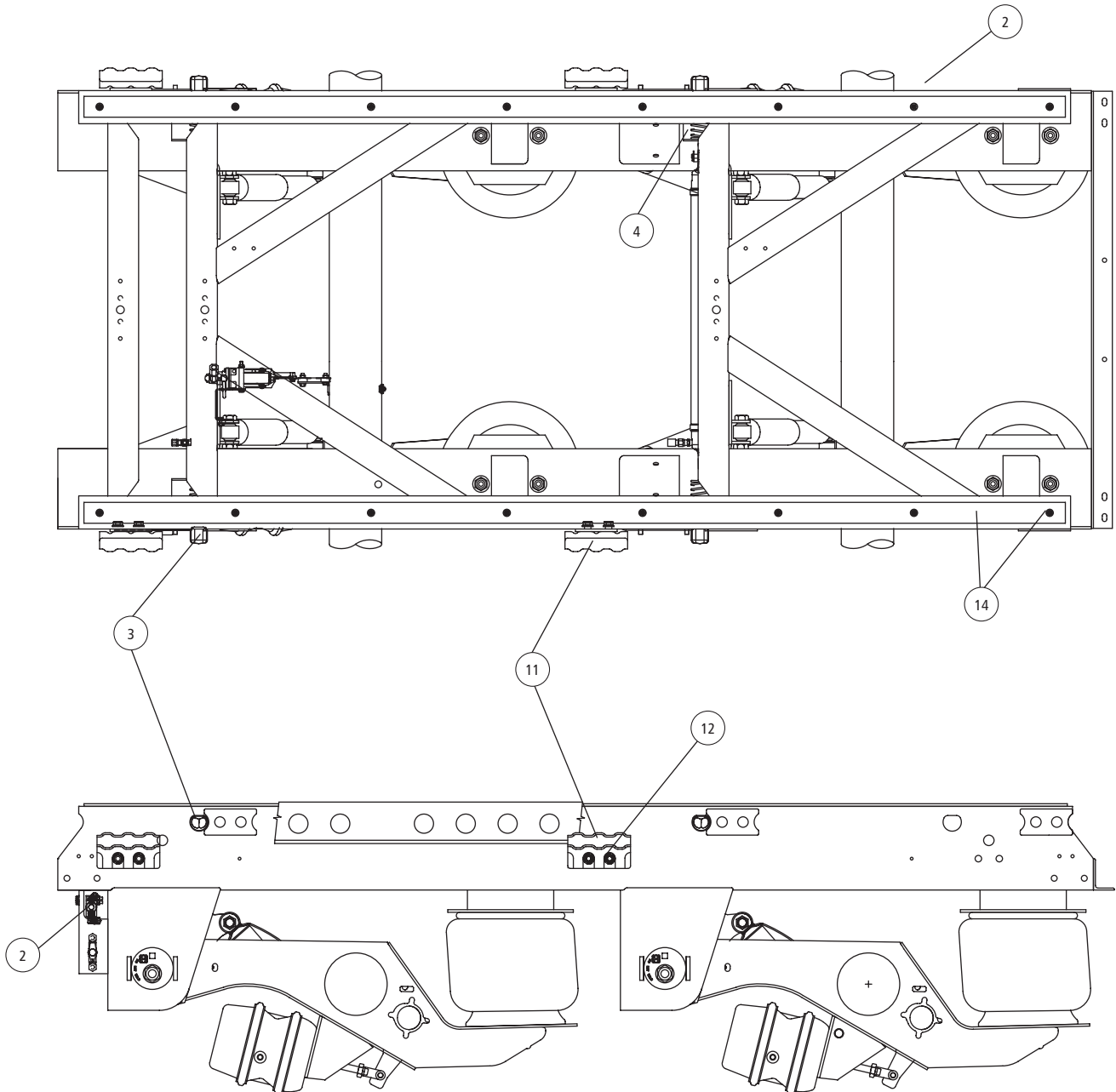
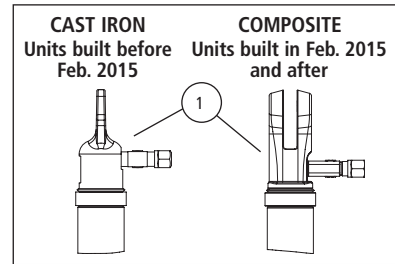
L1080 - Suspension Components.....	220
L1102 - Slider Accessories.....	400
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L751 - QUIK-DRAW®.....	382
L1055 - SURELOK®.....	386
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346



SLIDER PINS



QUIK-DRAW® ACTUATOR ENDS



Note: Identification tag can be found on the roadside slider box rail above the front frame bracket. There will also be a blank INTRAAX® tag on the inside of the curbside beam.

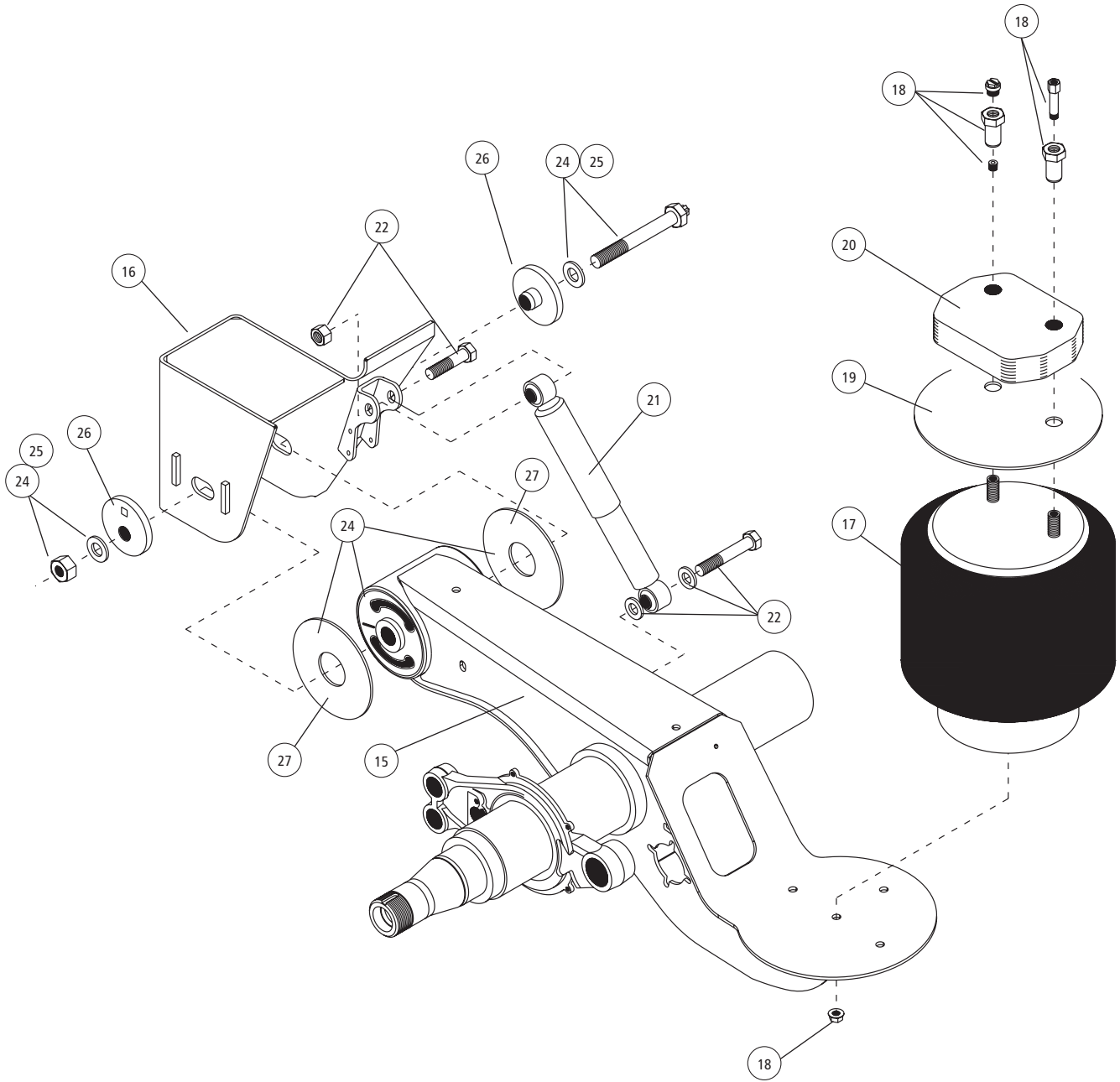


SLIDER BOX ASSEMBLY

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM			Refer to L751 - QUIK-DRAW Parts List
2	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.###	1	Please contact Hendrickson for assistance
3a	LOCKING PIN (Units built before Sept. 2012)			
	1.375" diameter pin	S-28290	4	4" (TTMA) & 6" body rail hole spacing
	1.625" diameter pin	S-28289	4	4" body rail hole spacing
3b	LOCKING PIN (Units built in Sept. 2012 and after)			
	1.375" diameter pin	S-32389	4	4" (TTMA) & 6" body rail hole spacing
	1.625" diameter pin	S-32388	4	4" body rail hole spacing
4a	LOCKING PIN SPRING (Units built before Sept. 2012)			
	48" box with QUIK-DRAW	B-28930	4	3.25" spring
	42" box with QUIK-DRAW	B-22000	4	3.8" spring
4b	LOCKING PIN SPRING (Units built in Sept. 2012 and after)			
	42", 48" and 54" box with QUIK-DRAW	B-32500	4	4.5" spring
5a	CLEVIS PIN (Units built before Sept. 2012)	SA-5200-6	4	$\frac{3}{8}$ " \times $1\frac{3}{8}$ "
5b	CLEVIS PIN (Units built in Sept. 2012 and after)			
	Cast iron end	SA-5200-8	4	$\frac{3}{8}$ " \times 1.16"
	Composite end	SA-5200-10	4	$\frac{3}{8}$ " \times 1.82"
6	SPRING PIN (Units built before July 2014)	SA-8100-4	4	$\frac{3}{8}$ " \times $2\frac{1}{2}$ " roll pin
7	LOCKING PIN LINK (Not shown)			
	42" box	S-32967-1	2	
	48" box	S-32967-2	2	
	54" box	S-32967-3	2	
8	LOCKING PIN WASHER	SA-1500-2	6	$\frac{3}{8}$ " I.D. flat washer
9	PIN WASHER (Units built before July 2014)	S-30641	1	
10	LOCKING COTTER PIN	SA-1700-12	6	$\frac{3}{32}$ " \times 1" cotter pin
11	BODY RAIL CLIP			
	11a 3.4" clip height	S-24459	4	Use with 1.625" locking pin and 4" body rail hole spacing or 1.375" locking pin and 4" body rail hole spacing (TTMA)
	11b 3.8" clip height	S-24460	4	Use with 1.375" locking pin and 6" body rail hole spacing
12	BODY RAIL BOLT	SA-6900-2	8	$\frac{1}{2}$ "-13 \times $1\frac{1}{2}$ " flanged bolt
13	BODY RAIL CLIP SPACER (Not shown)	A-22367	4	2" clip hole centers
14	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and hardware

Note: Narrow hanger shown. Pin pull mechanisms are identical for both wide and narrow width slider models.

Note: Identification tag can be found on the roadside slider box rail above the front frame bracket. There will also be a blank INTRAAX® tag on the inside of the curbside beam.



Note: Identification tag can be found on the roadside slider box rail above the front frame bracket. There will also be a blank INTRAAX® tag on the inside of the curbside beam.



SUSPENSION ASSEMBLIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
15	AXLE / BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
16	FRAME BRACKET ASSEMBLY			
	Roadside	D-26067-1L	2	10" ride heights
	Curbside	D-26067-1R	2	10" ride heights
	Roadside	S-33173-2L	2	11" ride heights
	Curbside	S-33173-2R	2	11" ride heights
17	AIR SPRING	S-23613		
18	AIR SPRING MOUNTING KIT (per air spring)	S-22631/2	2	Includes Spirallock nuts, pipe plug and flange nut
19	AIR SPRING PLATE	S-23294	2	
20	UPPER AIR SPRING SPACER	B-22510-2		10" and 11" ride height (1.875" thick)
21	SHOCK ABSORBER	S-23566	4	Standard duty
22	SHOCK BOLT KIT (per shock)	S-24757/2	4	Includes shear bolt, spacer, washers, hex bolt and hex nut
23	SHOCK STRAP KIT (Not shown)	C-23086-1	4	Includes (2) straps, (2) clevis and (4) ties
24	TRI-FUNCTIONAL® PIVOT BUSHING KIT ¹	S-24691	2	Includes (1) bushings, (1) pivot bolt kits, (2) bushing tube spacers and lubricant pack
25	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	2	Contains 10" bolt, nut and hardened washers
26	ALIGNMENT COLLAR			
	26a Concentric	S-20924	4	Pivot bolt hole is centered
	26b Eccentric	S-20925	4	Pivot bolt hole is offset from center
27	BUSHING TUBE SPACER	S-21099		

OTHER PARTS LISTS

More information can be found in the following documents

Lit. Number	Description
L751	QUIK-DRAW® Parts List
L1055	SURELOK® Parts List

1. Bushing tool S-21307 is required to properly re-bush the suspension.

Note: Identification tag can be found on the roadside slider box rail above the front frame bracket. There will also be a blank INTRAAX® tag on the inside of the curbside beam.



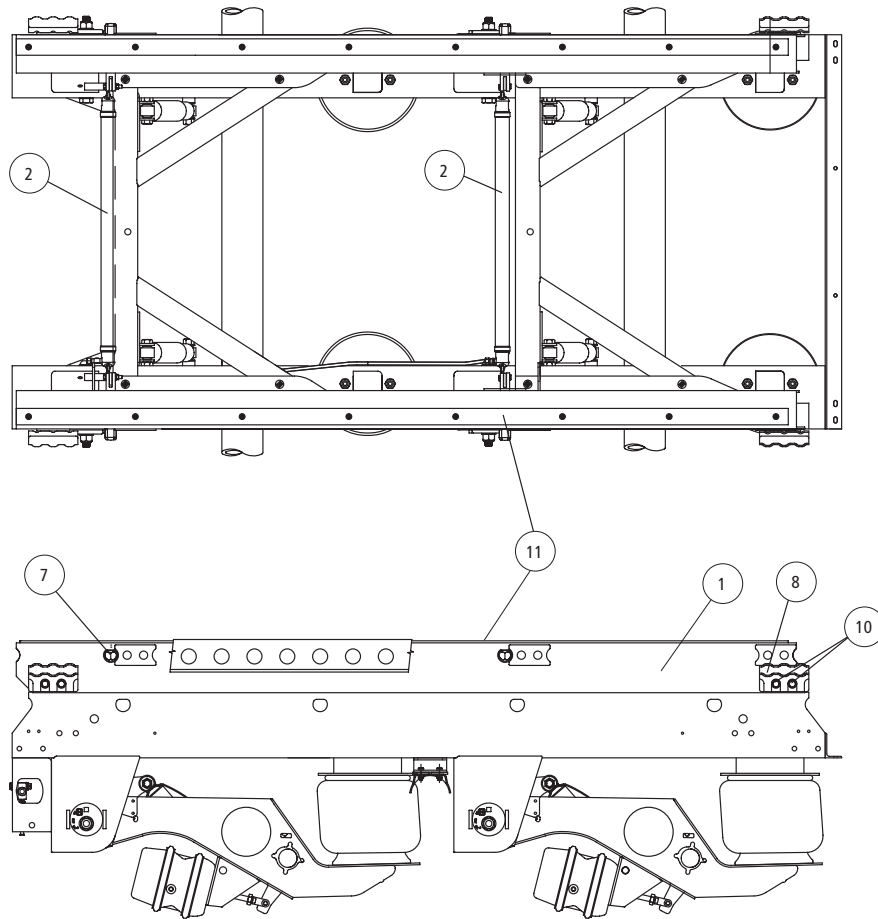
Slider Suspension System

VANTRAAX® HKARL 46K

L1078 - Suspension Components.....	226
L1102 - Slider Accessories.....	400
L1266 - Frame Brackets.....	278
L1287 - Shocks.....	297
L751 - QUIK-DRAW®.....	382
L1055 - SURELOK®.....	386
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System.....	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components.....	346

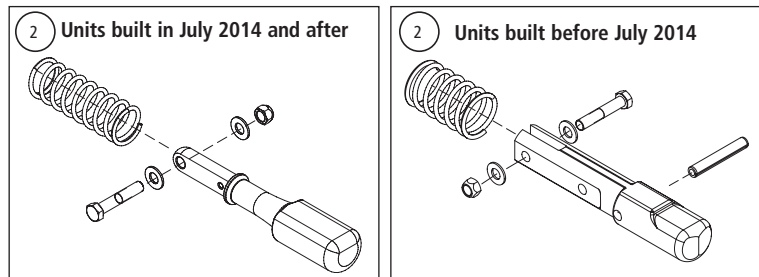
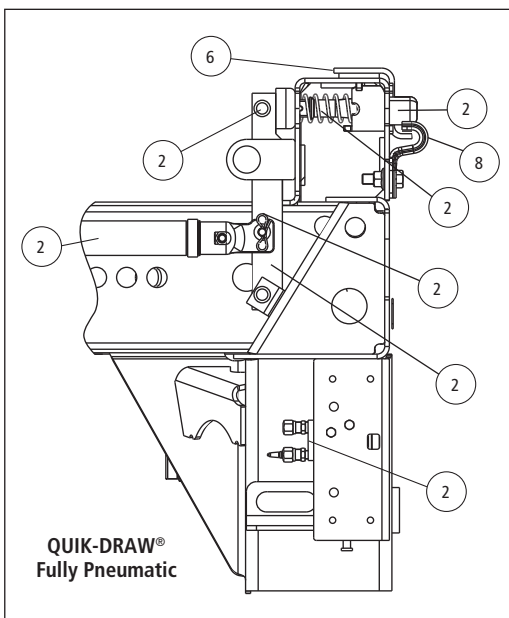


SLIDER BOX ASSEMBLY

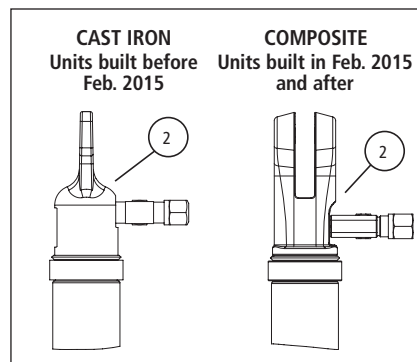


SLIDER PINS

PIN-PULL RELEASE MECHANISM



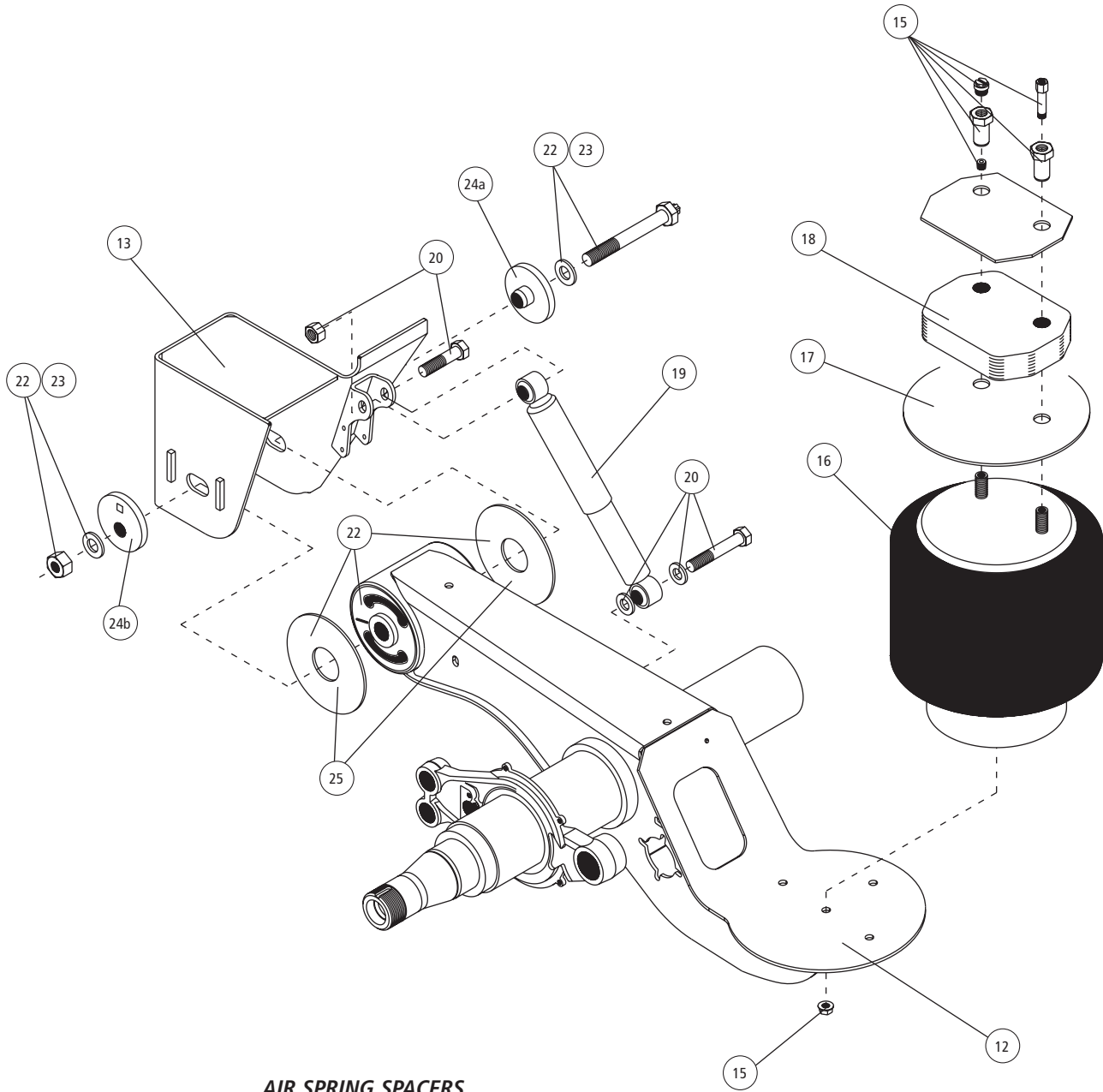
QUIK-DRAW® ACTUATOR ENDS



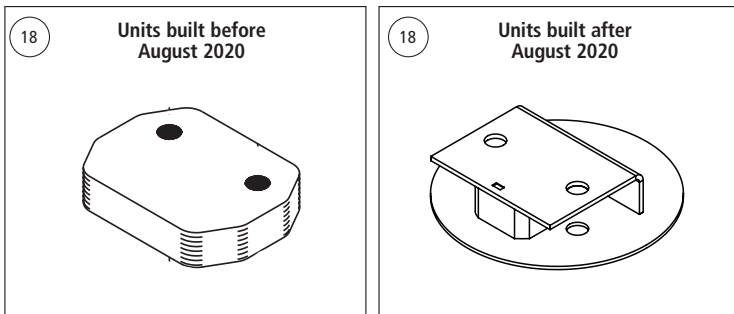


ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.###	1	Contact Hendrickson for assistance
2	QUIK-DRAW® PNEUMATIC PIN-PULL MECHANISM COMPONENTS			See L751 QUIK-DRAW Parts List
3	CRANK ARM STRAP (not shown)	B-24267	1	
4	CRANK (not shown)	B-24266	2	
5	ARM ACTUATOR (not shown)	B-24437	1	
6	PIPE WELDMENT (not shown)	S-21433-1	1	
7	LINK WELDMENT (not shown)	B-24413	1	
8	BODY RAIL CLIP			
	1.375" Locking Pins	S-24460	4	6" hole centers
		S-24459	4	4" hole centers (TTMA)
	1.625" Locking Pins	S-24459	4	4" hole centers
9	BODY RAIL CLIP SPACER (not shown)	A-22367	4	
10	BODY RAIL CLIP BOLTS	SA-6900-2	8	1/2" - 13 flanged screw
11	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and screws

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank VANTRAAAX tag on the inside of the curbside beam.



AIR SPRING SPACERS





ITEM	DESCRIPTION	PART NO.	SYSTEM	
			QTY.	NOTE
12	AXLE BEAM WELDMENT	HTRAAX.###	2	Contact Hendrickson for assistance
13	FRAME BRACKETS			See L1266 Frame Bracket Parts List
14	ABS WELD-ON BRACKET (not shown)	S-27117	4	
15	AIR SPRING MOUNTING KIT		4	
	Drum Brakes	S-22631/2	4	
	Air Disc Brakes	S-22631/2	4	Units built before August 2020
		S-22631/3	4	Units built after August 2020
16	AIR SPRING		4	
	9", 10" and 11" ride height	S-23613	4	
	12" ride height	S-23614	4	
17	AIR SPRING MOUNTING PLATE	S-23294	4	Not required for air disc brake
18	AIR SPRING SPACER	B-22510-2	4	Not required for 9" RH drum or air disc brake
19	SHOCK ABSORBER			See L1287 Shock Parts List
	Drum Brakes	S-23566	4	
	Air Disc Brakes (not shown)	S-25436	4	
20	SHOCK BOLT KIT	S-24757/2	4	Includes (2) hex head screws and (2) nuts
	Forward Mounting	S-24757/2	4	
	Rear Mounting	S-2157/2	4	
21	SHOCK STRAP KIT (not shown)	C-23086-1	4	Includes (2) straps, clevis and ties
22	TRI-FUNCTIONAL® PIVOT BUSHING KIT ¹	S-24691	4	Includes (1) bushings, (1) pivot bolt kits (2) bushing tube spacers and lubricant pack
23	QUIK-ALIGN® PIVOT BOLT KIT	S-24679	4	Contains 7" bolt, nut and hardened washers
24	ALIGNMENT COLLAR			
	24a Concentric (inner)	S-20924	4	Pivot bolt hole is centered
	24b Eccentric (outer)	S-20925	4	Pivot bolt hole is offset from center
25	BUSHING TUBE SPACER	S-21099	8	Inner metal outer diameter dimension of TRI-FUNCTIONAL Bushing is 2.2"; inner hole dimension of BTS is 2.38"

OTHER PARTS LISTS

More information can be found in the following documents

Lit. Number	Description
L1055	SURELOK® Parts List
L1102	Slider Accessories and Axle Components Parts List
L949	Wheel-ends and Brakes Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1104	Brake Kits and Components Parts List

1. Bushing tool S-21307 is required to correctly re-bush the suspension.

Note: Identification can be found on the roadside slider box rail above the front frame bracket there will also be a blank VANTRAAK tag on the inside of the curbside beam.



NOTES



Slider Suspension System

VANTRAAX® HKANL 23K

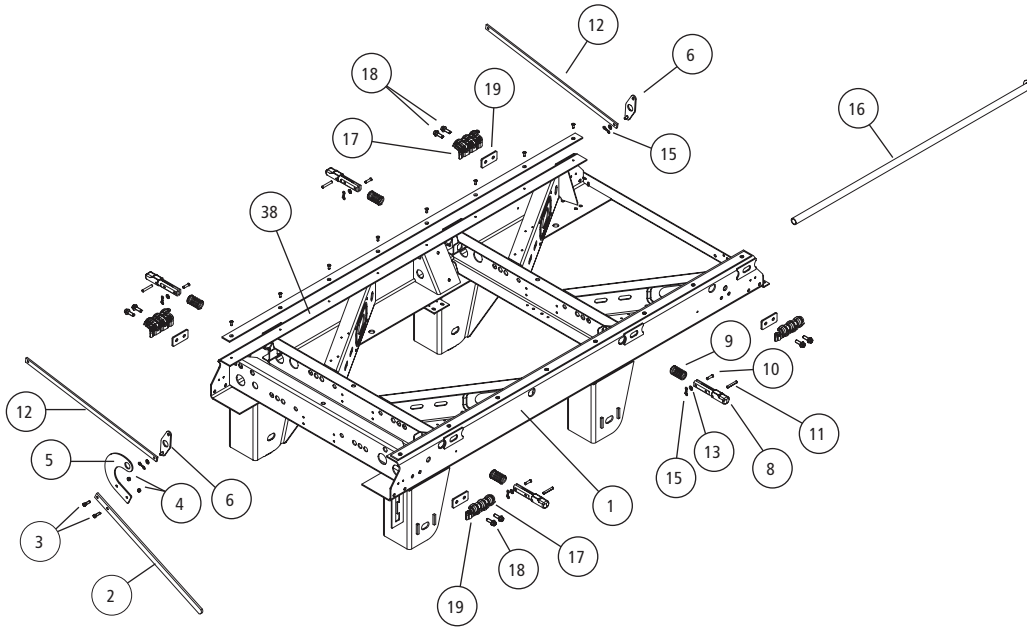
L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
L1287 - Shocks	297
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



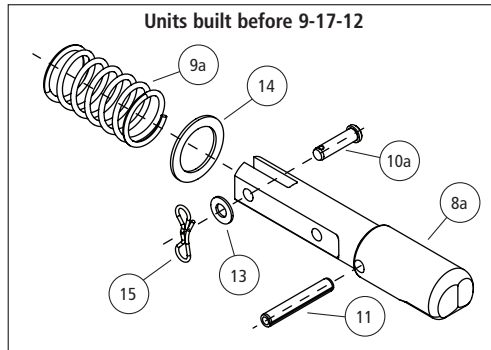
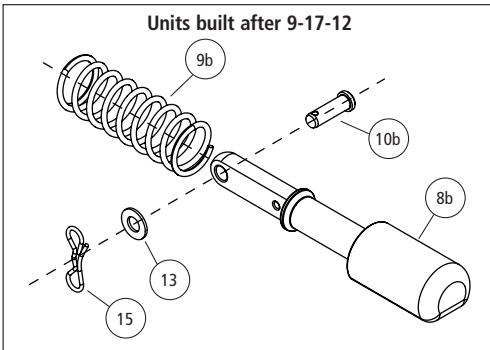
Slider Suspension System

HK Slider Series

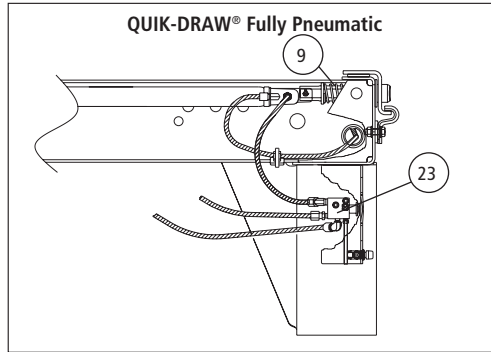
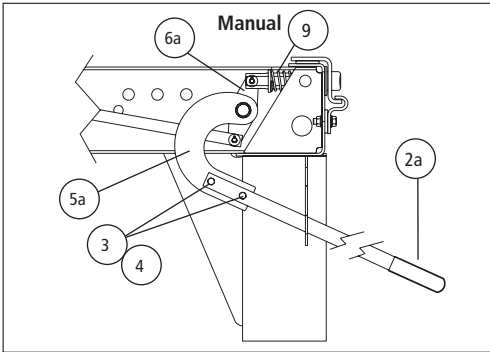
L536 - Suspension Components	233
L1266 - Frame Brackets.....	278
L1287 - Shocks	297
L1055 - SURELOK®	386
L1182 - Vehicle Controls.....	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components.....	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



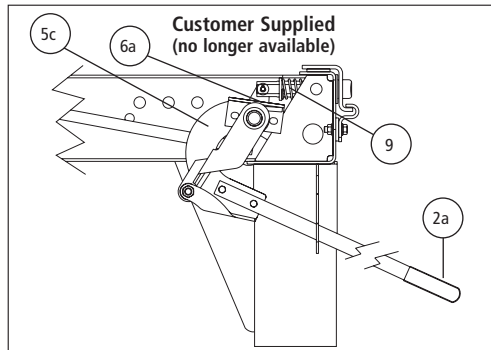
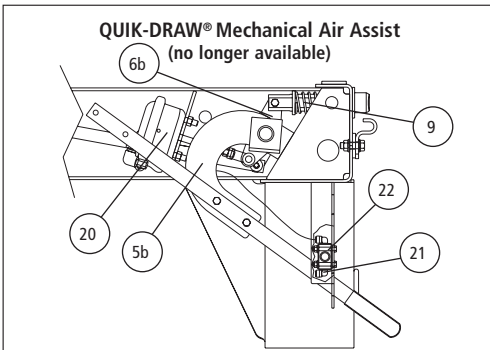
SLIDER PINS



CURRENT RELEASE MECHANISMS

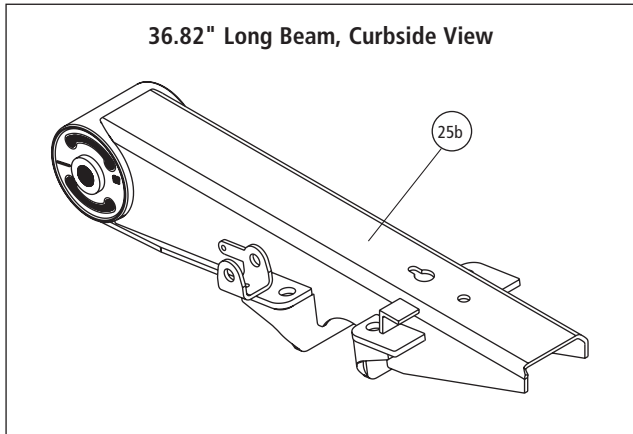
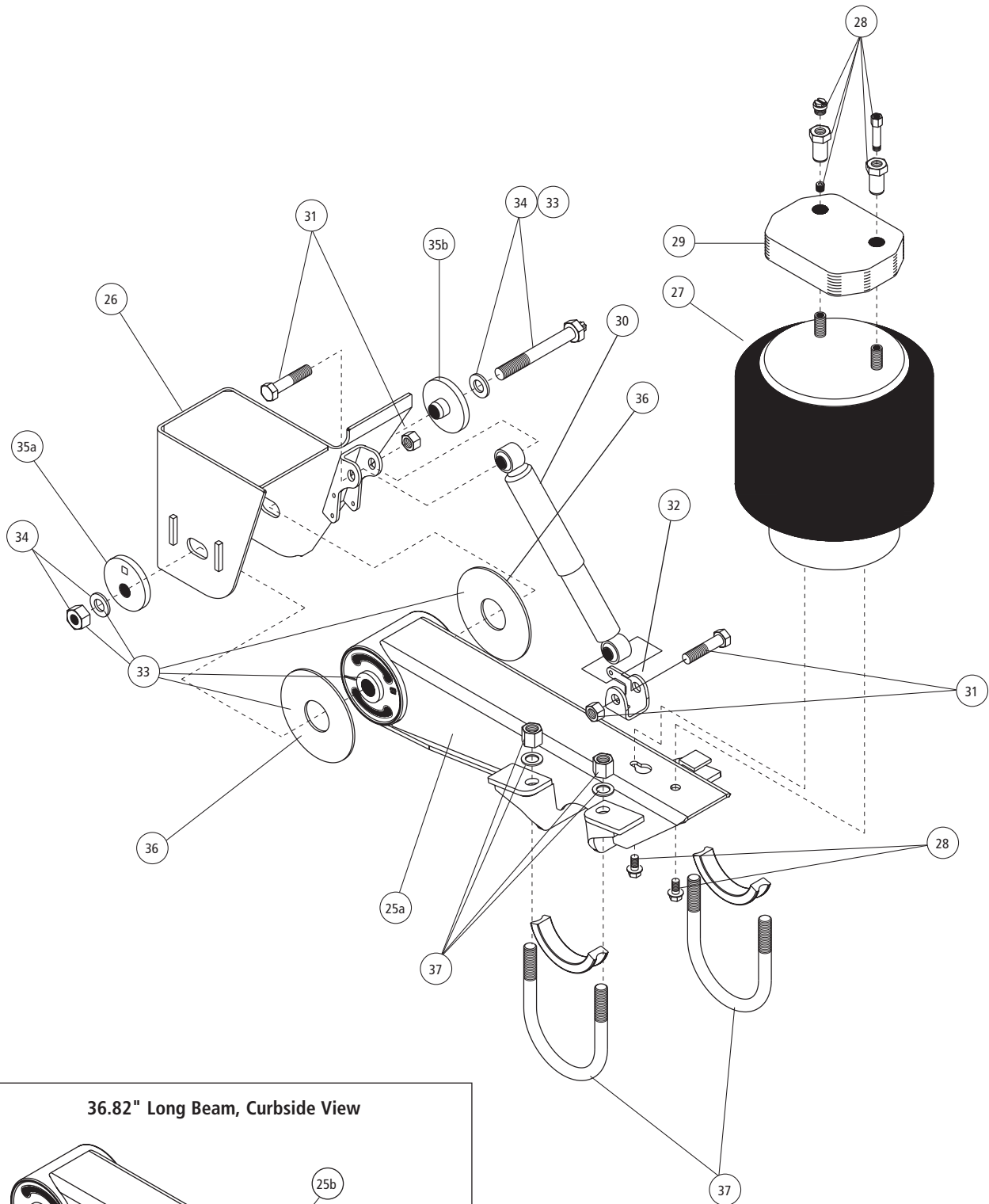


NO LONGER AVAILABLE ON PRODUCTION MODELS OR BOX REPLACEMENTS — PARTS FOR THESE MECHANISMS ARE STILL AVAILABLE





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	AFTERMARKET BOX REPLACEMENT	AMBOX.###	1	Please contact Hendrickson for assistance
2	HANDLE			
	2a Manual and customer supplied	S-25592	1	Handle and grip assembly
3	HANDLE BOLT	SA-1100-10	2	$\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ " hex head bolt, grade 5
4	HANDLE NUT	SA-9000-5	2	$\frac{3}{8}$ "-16 lock nut, grade B
5	HANDLE MOUNT			
	5a Manual	C-21275	1	
	5b QUIK-DRAW® mechanical air assist	C-23231	1	
	5c Customer supplied	S-23534	1	Includes crank arm bolt kit
6	CRANK ARM WELDMENT			
	6a Manual and customer supplied	B-33010	2	For front and rear of slider box
	6b Mechanical air assist	B-33010	1	For rear of slider box
7	CRANK ARM BOLT KIT (not shown)	A-22041	1	Includes bolt, flat washer, lock washer and nut
8a	LOCKING PIN (Units built before 9-17-12)			
	1.375" diameter pin	S-28290	4	4" Body rail hole spacing (TTMA)
	1.375" diameter pin	S-28290	4	6" Body rail hole spacing
	1.625" diameter pin	S-28289	4	4" Body rail hole spacing
8b	LOCKING PIN (Units built after 9-17-12)			
	1.375" diameter pin	S-32389	4	4" Body rail hole spacing (TTMA)
	1.375" diameter pin	S-32389	4	6" Body rail hole spacing
	1.625" diameter pin	S-32388	4	4" Body rail hole spacing
9a	LOCKING PIN SPRING (Units built before 9-17-12)			
	42" box with manual or mechanical air assist	B-28930	4	3.25" Spring
	48" box with manual, QUIK-DRAW or mechanical air assist	B-28930	4	3.25" Spring
	42" box with QUIK-DRAW	B-22000	4	3.8" Spring
	42" and 48" box with customer supplied spring mechanism	B-22000	4	3.8" Spring
9b	LOCKING PIN SPRING (Units built after 9-17-12)			
	42", 48" and 54" box with QUIK-DRAW	B-32500	4	
10a	CLEVIS PIN (Units built before 9-17-12)	SA-5200-6	4	$\frac{3}{8}$ " x 1 $\frac{3}{8}$ "
10b	CLEVIS PIN (Units built after 9-17-12)	SA-5200-8	4	$\frac{3}{8}$ " x 1 $\frac{1}{5}$ "
11	SPRING PIN	SA-8100-4	4	$\frac{3}{8}$ " x 2 $\frac{1}{2}$ " roll pin
12	LOCKING PIN LINK			
	12a 42" box	S-32967-1	2	
	12b 48" box	S-32967-2	2	
	12c 54" box	S-32967-3	2	
13	LOCKING PIN WASHER	SA-1500-2	6	$\frac{3}{8}$ " I.D. flat washer
14	PIN WASHER	S-30641	1	
15	LOCKING PIN LINK COTTER PIN	SA-1700-12	6	$\frac{3}{32}$ " x 1" cotter pin
16	PIPE WELDMENT			
	16a Manual and customer supplied	S-21433	1	
	16b QUIK-DRAW (chamber actuated)	S-21433-1	1	
17	BODY RAIL CLIP			
	17a 3.4" clip height	S-24459	4	Use with 4" hole centers and 1.625" locking pin
	17b 3.8" clip height	S-24460	4	Use with 6" hole centers and 1.375" locking pin
	17c Universal 2" spacer - 4" or 6" height	S-22366	4	Hole centers measure 2"
18	BODY RAIL BOLT	SA-6900-2	8	$\frac{1}{2}$ "-13 x 1 $\frac{1}{2}$ " flanged bolt, grade 8
19	BODY RAIL CLIP SPACER	A-22367	4	Hole centers measure 2"
20	AIR ACTUATOR CHAMBER	A-23039	1	Type 12 modified
21	AIR VALVE	VS-23224	1	Air valve with fittings
22	VALVE CAP	A-22977	1	
23	QUIK-DRAW II VALVE	VS-25224		3-way auto reset valve with fittings
		VS-25223		3-way auto reset valve without fittings





ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
24	VALVE KNOB KIT (not shown)	VS-25849		For old style valve with plastic knob
25	BEAM ASSEMBLY ¹			
25a	Front or rear, overall length is 32.65"			
	Roadside	S-20000-1		
	Curbside	S-20000-2		
25b	Rear, overall length is 36.82" (For units with SURELOK®)			
	Roadside	S-21736-1		
	Curbside	S-21736-2		
26	FRAME BRACKET			Contact Hendrickson for assistance
26a	16" ride height			
	Roadside	S-21291-1	2	
	Curbside	S-21291-2	2	
26b	16.5" ride height			
	Roadside	D-22386-1	2	
	Curbside	D-22386-2	2	
26c	17" ride height			
	Roadside	S-21497-1	2	
	Curbside	S-21497-2	2	
26d	18" ride height			
	Roadside	S-21802-1	2	
	Curbside	S-21802-2	2	
26e	19" ride height			
	Roadside	D-21803-1	2	
	Curbside	D-21803-1	2	
27	AIR SPRING			
27a	HK190T sliders	S-22045	4	
27b	HK230 sliders	S-22046	4	
28	AIR SPRING MOUNTING KITS			
28a	16" ride height / no spacer (Per air spring)	S-22907/2	4	Includes (1) 1/4"-18 NPFT plug, (2) 1/2"-13 flanged screw and (2) 3/4"-16 flanged nut
28b	16 1/2" and 17" ride height / 3/4" Thick spacer (Per air spring)	S-22908/2	4	Includes (1) 1/4"-18 NPFT plug, (2) extension nuts, .65" and (2) 1/2"-13 flanged screw
28c	18" ride height / 1 7/8" thick spacer (Per air spring)	S-22909/2	4	Includes (1) 1/4"-18 NPFT plug, (1) air fitting, 2.10", (2) extension nuts, 1.73", (2) 1/2"-13 flanged screw and (1) plug
28d	19" ride height / 3 1/8" thick spacer (Per air spring)	S-22910/2	4	Includes (1) 1/4"-18 NPFT plug, (1) air fitting, 3.10", (2) extension nuts, 2.65", (2) 1/2"-13 flanged screw and (1) plug
29	AIR SPRING SPACER			
29a	3/4" thick spacer	B-22510-4	4	16 1/2" and 17" ride height
29b	1 7/8" thick spacer	B-22510-2	4	18" ride height
29c	3 1/8" thick spacer	B-22510-3	4	19" ride height
30	SHOCK ABSORBER	S-21292	4	
31	SHOCK ABSORBER BOLT KIT	S-20031/2	4	
32	LOWER SHOCK CLEVIS	S-20069	4	
33	TRI-FUNCTIONAL® BUSHING KIT ²	S-24691	4	Includes bushing, pivot bolt kit, wear pads and lube

¹Measure beam assembly before ordering. Some models have 32.65" beam assemblies for both the front and rear; others have 32.65" beam assemblies on the front and 36.82" beam assemblies on the rear. Units with 36.82" beam assemblies on the rear are designed to accommodate SURELOK®. Units with the 32.65" beam assemblies on the rear require the addition of a weld-on beam extension to accommodate SURELOK.



²Bushing tool S-21307 is required to properly re-bush the suspension.

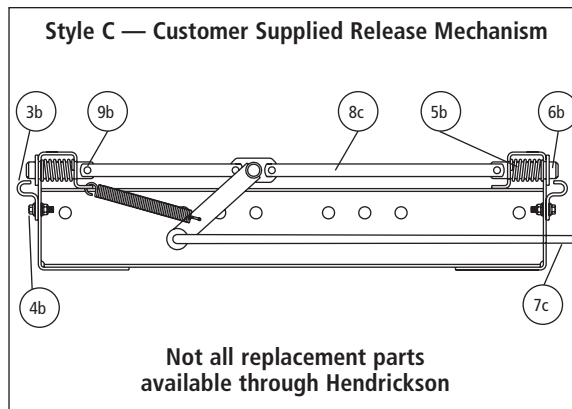
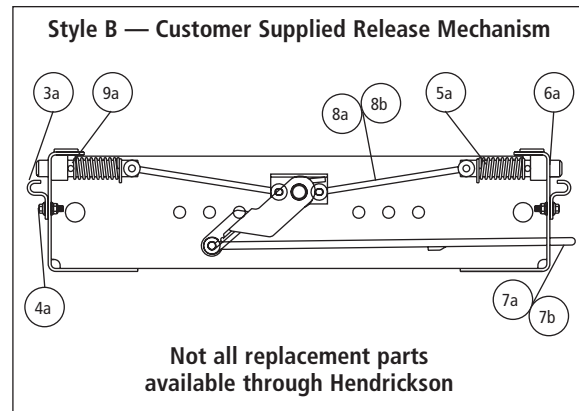
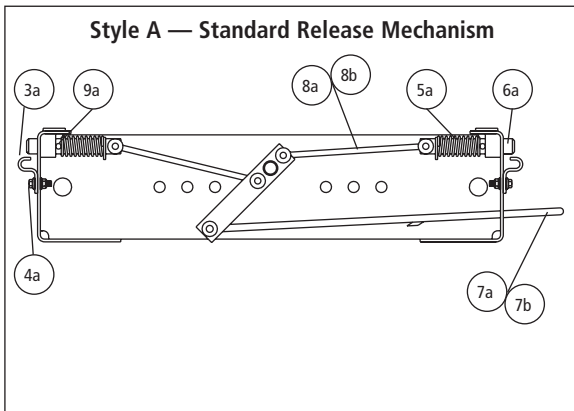
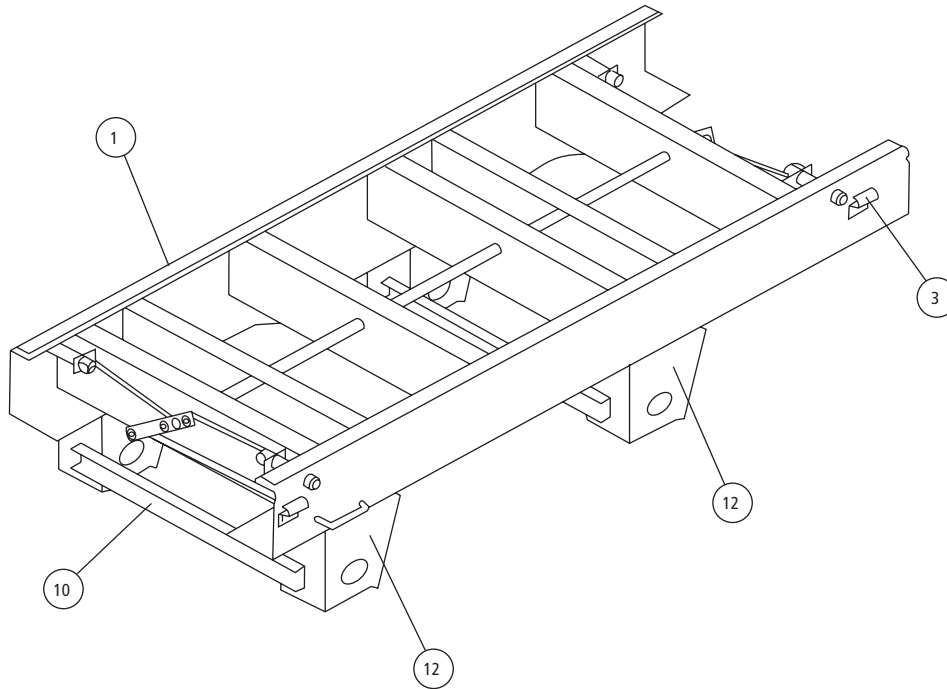
ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
34	QUIK-ALIGN® Pivot Bolt Kit (Per Hanger)	S-24679	4	Includes (1) 10" shear type bolt, (1) torque heavy hex nut and (2) hardened steel washers
35	ALIGNMENT COLLARS			
	35a Eccentric (Outer)	S-20925	4	Pivot bolt hole is offset from center of collar
	35b Concentric (Inner)	S-20924	4	Pivot bolt hole is in center of collar
36	BUSHING TUBE SPACERS	S-21099	8	
37	U-BOLT KIT	S-21140		Order S-21140/4 for a single U-Bolt, nut and washer. Kit includes: (4) U-Bolt, cornered radius, (8) nuts, and (8) washers
38	SLIDER WEAR PAD KIT	S-14342-3	2	Includes (1) slider wear pad and (8) screws



Slider Suspension System

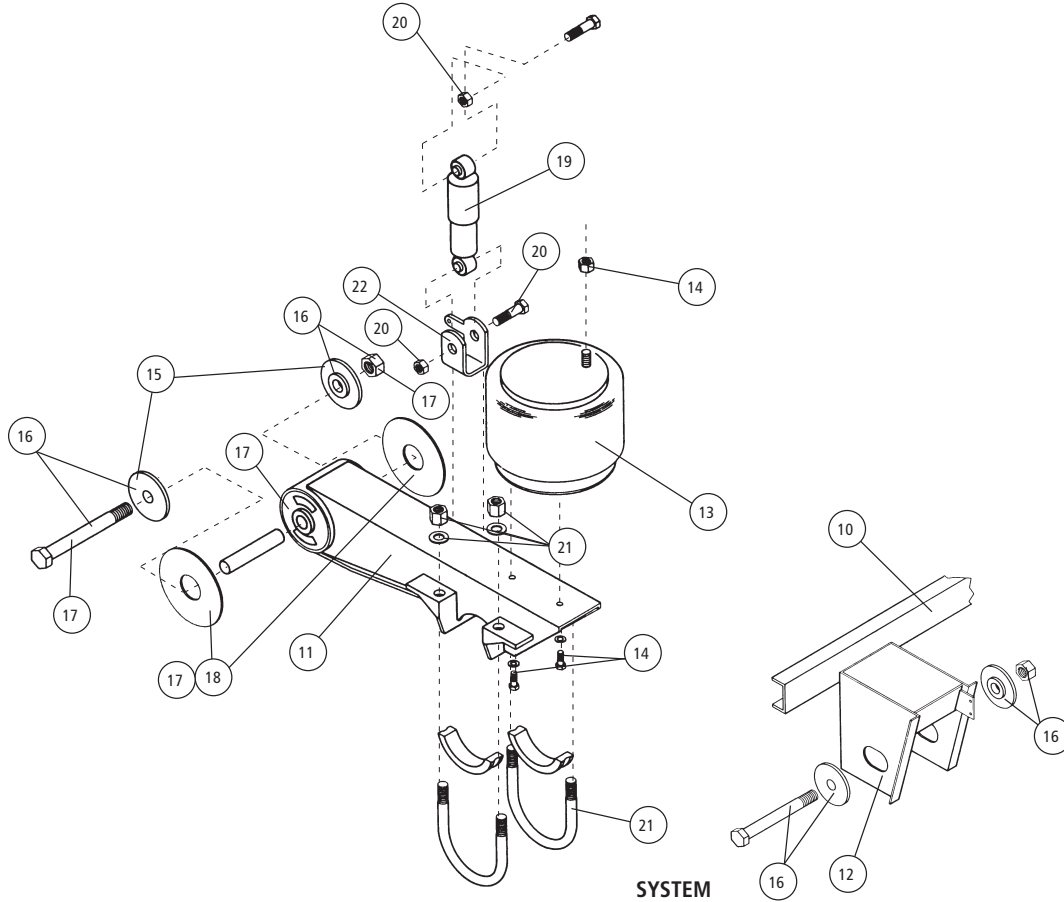
Past Generation Sliders

L1085 - Suspension Components.....	239
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ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	SLIDER WEAR PAD KIT			
1a	49" axle centers	S-14342-1	2	Includes (1) wear pad and (8) screws
2	WEAR PAD SCREW (not shown)	A-29372	16	
3	BODY RAIL CLIP			
3a	Style A and Style B	S-14108	4	Hole centers measure 1-1/2"
3b	Style A and Style B	S-22366	4	Hole centers measure 2"
3c	Style C	9635-00		Hole centers measure 4"; includes rail clip bolt. Contact Hendrickson for assistance
4	BODY RAIL CLIP BOLT			
4a	Style A and Style B	SA-6900-2	8	1/2"-13 x 1-1/2" flanged bolt, grade 8
4b	Style C	N/A		Included in part # 9635-00
5	LOCKING PIN SPRING			
5a	Style A and Style B	S-14102	4	
5b	Style C	12779-01		Contact Hendrickson for assistance
6	LOCKING PIN			
6a	Style A and Style B	S-14104	4	
6b	Style C	12716-01		Contact Hendrickson for assistance
7	ACTUATOR ARM			
7a	Style A — 42" box width	S-26010-2	1	
	Style B — 42" box width	B-14573-2	1	
7b	Style A — 48" box width	S-26010-1	1	
	Style B — 48" box width	B-14573-2	1	
7c	Style C — 42" and 48" box widths	12781-01		Contact Hendrickson for assistance
8	LOCKING PIN LINK			
8a	Style A — 42" box width	B-14112-2	4	
	Style B — 42" box width	B-14112-4	4	
8b	Style A — 48" box width	B-14112-1	4	
	Style B — 48" box width	B-14112-3	4	
8c	Style C — 42" box width	11412-02		Contact Hendrickson for assistance
	Style C — 48" box width	11412-16		
9	LOCKING PIN ROD			
9a	Style A and Style B	S-14106	4	
9b	Style C	12780-1		Contact Hendrickson for assistance
10	FRAME BRACKET CHANNEL	A-1631-6	2	For units with welded alignment only
11	BEAM ASSEMBLY (see back page)			
11a	Front or Rear; overall length is 32.65"			
	Roadside	S-20000-1		Bushing included
	Curbside	S-20000-2		Bushing included
11b	Rear; overall length is 36.82"			
	Roadside	S-21736-1		For units equipped with SURELOK®. Bushing included
	Curbside	S-21736-2		For units equipped with SURELOK Bushing included
11c	Front or Rear; overall length is 34.57"			
	Roadside	S-20186-1		HS300T only
	Curbside	S-20186-2		HS300T only
12	FRAME BRACKET (see back page)			Contact Hendrickson for assistance
13	AIR SPRING (see back page)			
13a	HS190T Sliders	S-20223	4	
13b	HS230 Sliders	S-20010	4	
13c	HS300T Sliders	S-4771	4	
14	AIR SPRING BOLT KIT (see back page)			
14a	HS190T and HS230	S-20033/2	4	
14b	HS300T	S-4903	2	
15	ALIGNMENT COLLARS (see back page)			
15a	Welded alignment	S-2770	8	
15b	Eccentric (outer) QUIK-ALIGN®	S-20925	4	Pivot bolt hole is offset from center of collar
15c	Concentric (inner) QUIK-ALIGN	S-20924	4	Pivot bolt hole is in center of collar



ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
16	PIVOT BOLT KIT			
	16a Welded alignment	S-3646	4	Includes bolt, nut and delrin liner
	16b QUIK-ALIGN ¹	S-24679	4	Includes bolt, HEXNUT and washers
17	TRI-FUNCTIONAL[®] BUSHING KIT²			
	17a Welded alignment	S-6914	4	
	17b QUIK-ALIGN	S-24691	4	
18	BUSHING TUBE SPACERS	S-21099	8	
19	SHOCK ABSORBER			
	19a HS190T Sliders	S-20001	4	
	19b HS230 Sliders	S-20002	4	
	19c HS300T Sliders	S-20126	4	
20	SHOCK ABSORBER BOLT KIT	S-20031/2	4	
21	U-BOLT KIT	S-21140	2	
22	LOWER SHOCK CLEVIS	S-20069	4	

1. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive sleeve) or S-24303 (3/4-inch drive sleeveless).

2. Bushing tool S-21307 is required to correctly re-bush the suspension.



Slider Suspension System

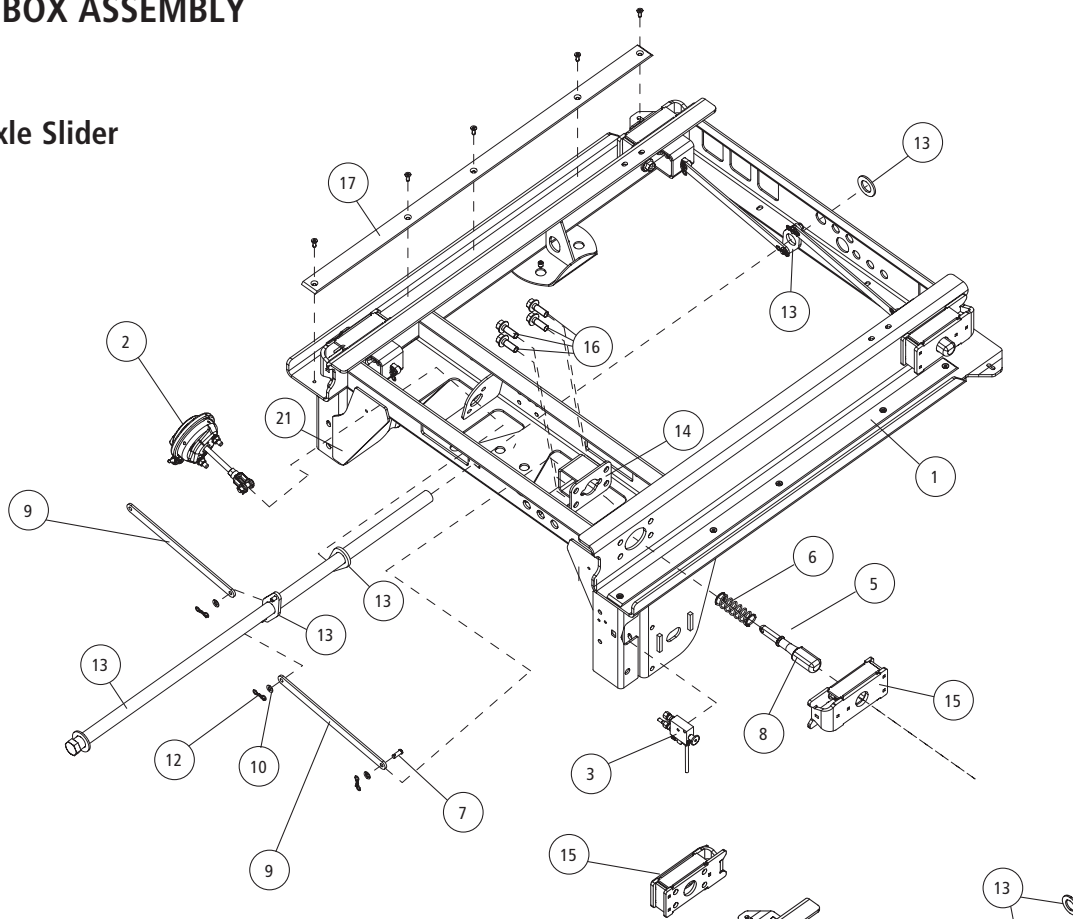
INTRAAX® SP Platform Slider System

L916 - INTRAAX® SP Platform Slider	243
L931 - INTRAAX® SP Platform Slider	249
L1102 - Slider Accessories	400
L1266 - Frame Brackets	278
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L751 - QUIK-DRAW®	382
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L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346

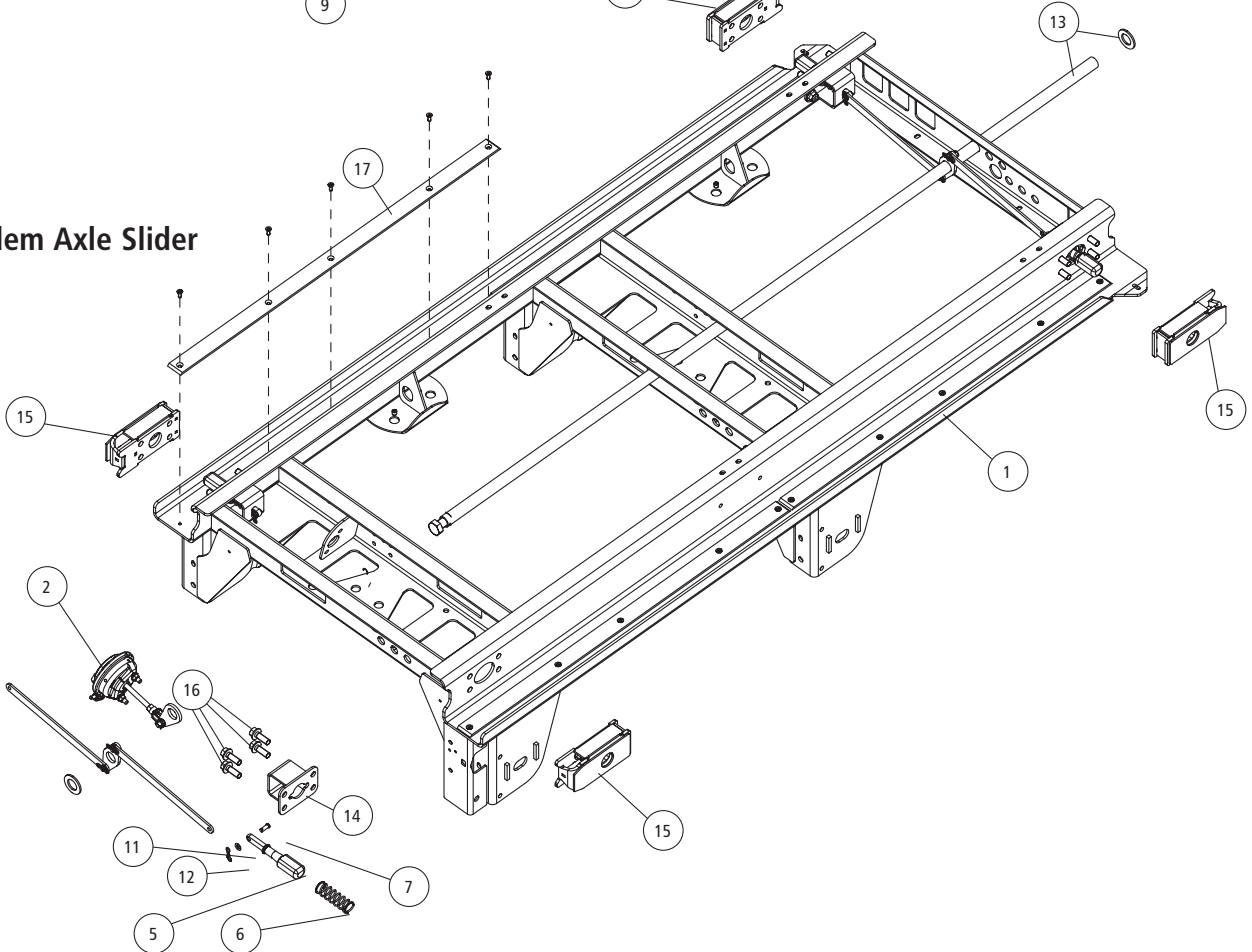


SLIDER BOX ASSEMBLY

Single Axle Slider



Tandem Axle Slider





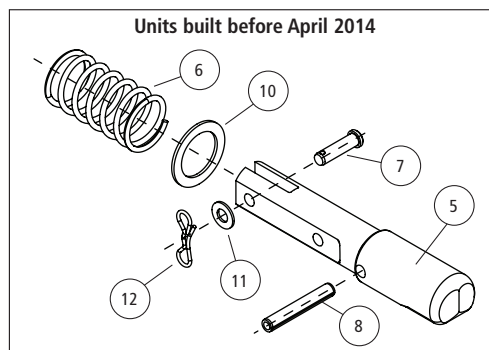
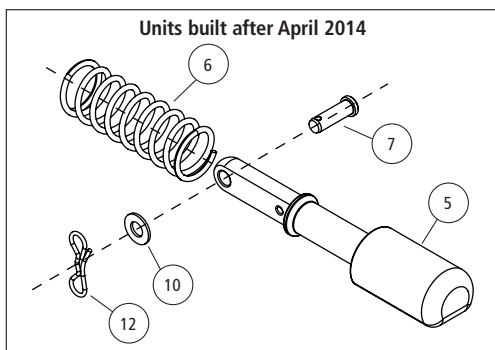
SLIDER BOX ASSEMBLY

All suspensions are 23K capacity; system capacity for tandem is 46K; system capacity for tridem is 69K .
 I-beam centers are 37" and 38" for 42" box width with 71.5" axle track.
 I-beam centers are 43" and 44" for 48" box width with 77" axle track.
 Axle spacing or "spread" is measured from center of front axle to center of rear axle.

ITEM	DESCRIPTION	PART NO.	TANDEM SYSTEM QTY.	NOTE
1	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.XX	1	Please contact Hendrickson for assistance
2	BRAKE CHAMBER	A-23039	1	Type 12 modified
3	QUIK-DRAW® VALVE			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE KNOB with SCREW SET (Not shown)			See L751 QUIK-DRAW Parts List
5	LOCKING PIN			See L751 QUIK-DRAW Parts List
6	LOCKING PIN SPRING			See L751 QUIK-DRAW Parts List
7	CLEVIS PIN			See L751 QUIK-DRAW Parts List
8	SPRING PIN			See L751 QUIK-DRAW Parts List
9	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
10	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
11	PIN WASHER			See L751 QUIK-DRAW Parts List
12	LOCKING PIN LINK COTTER PIN			See L751 QUIK-DRAW Parts List
13	PIPE WELDMENT KIT			Includes pipe weldment, crank weldment, crank arm actuator and pipe ring stop
	Single axle	S-28044-1	1	51" weldment
	Tandem, 49" axle spread	S-28044-2	1	99" weldment
	Tandem, 60" axle spread	S-28044-3	1	111" weldment
	Tandem, 72" axle spread	S-28044-4	1	123" weldment
14	INNER LOCK PIN CAGE ASSEMBLY	S-27000	4	Units built before April 2014
		S-34055	4	Units built April 2014 and after
15	OUTER LOCK PIN CAGE REPLACEMENT KITS			
	No shims, per slider	S-28658-1	1	Includes (4) pin cages and bolts
	With outer shims, per slider	S-28658-2	1	Includes (4) pin cages and bolts
	No shims	S-28658-3	2	Includes (1) curbside and (1) roadside cage and bolts
	With outer shims	S-28658-4	2	Includes (1) curbside and (1) roadside cage and bolts
16	PIN CAGE BOLT (Bolts are included in kits)	SA-6900-20	16	5/8" -11 x 1.75 flanged bolt
17	SLIDER WEAR PAD KIT	S-28640	2	Includes (2) slider wear pads and hardware
18	STINGER (Not shown)	S-27028-1	1	Includes (1) stinger and hardware

NOTE: Identification tag can be found on the roadside slider box rail above the front frame bracket gusset. There is also a blank INTRAAX tag on the inside of the curbside beam.

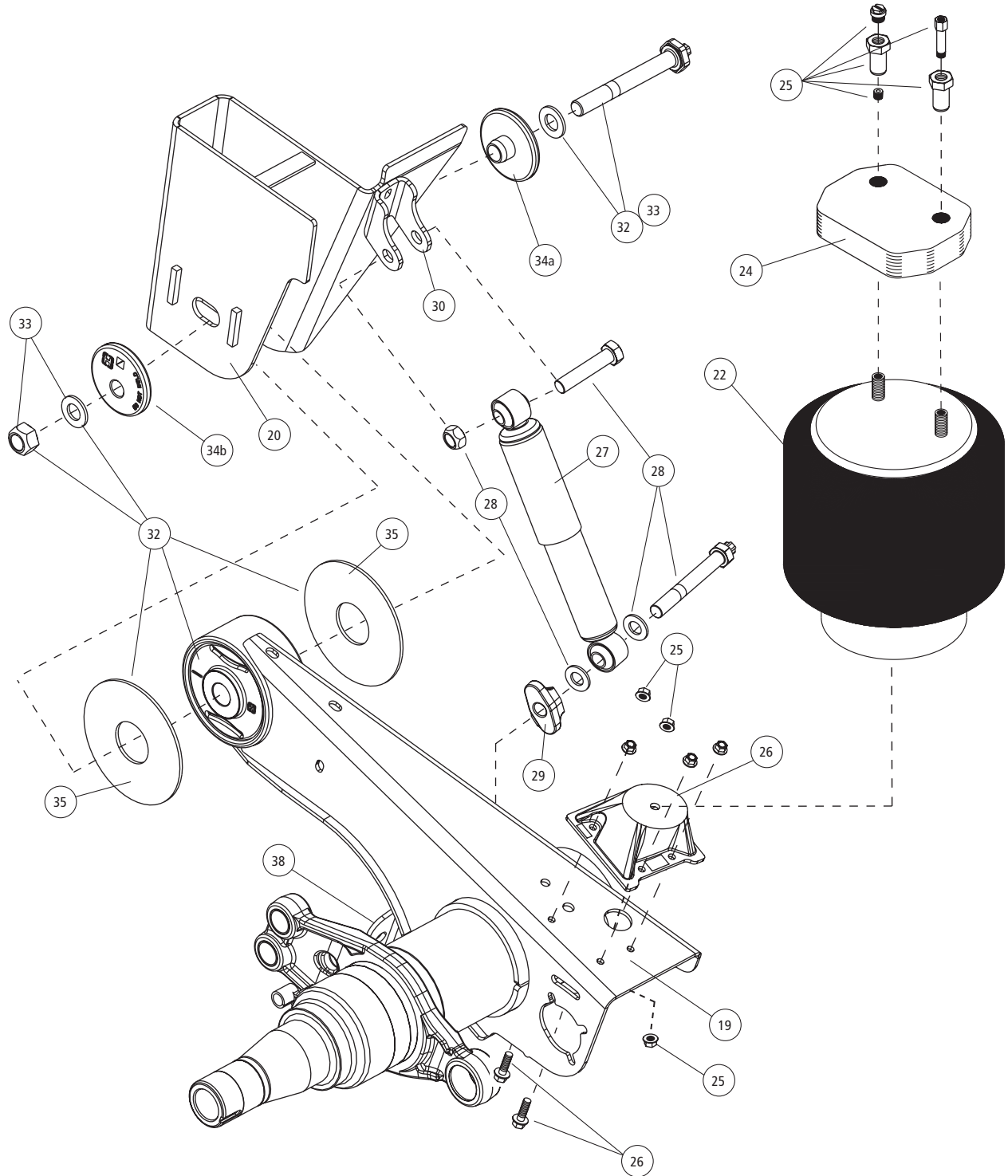
SLIDER PINS





SUSPENSION ASSEMBLY

Narrow Frame Bracket Assembly, Tapered Beam





SUSPENSION ASSEMBLY

All top-mount suspensions are narrow frame bracket / tapered beam assemblies.

All suspensions are 23K capacity; system capacity for tandem is 46K; system capacity for tridem is 69K .

Top-mount ride heights are 13.5" - 17."

ITEM	DESCRIPTION	PART NO.	QTY. PER		NOTE
			AXLE		
19	AXLE/BEAM WELDMENT	HTRAAX.XXX			Contact Hendrickson for assistance
20	FRAME BRACKET				See L1266 Frame Bracket Parts List
21	FRAME BRACKET GUSSET (Shown on page 2)	S-27330	2		For weld-on, winged or wingless frame attachments; for ride heights of 12" to 17"
22	AIR SPRING				
	Standard	S-21800	2		13.5" to 17" ride height
	Low pressure	S-20901	2		13.5" to 17" ride height
23	AIR SPRING MOUNTING PLATE (Not shown)	S-20905	2		12" to 19" ride height
24	AIR SPRING SPACER	B-22510-1	2		Plastic 1-1/8" Thick Spacer; 17" ride height
25	AIR SPRING MOUNTING KIT (Per air spring)				
		S-22619/2	2		13.5" to 16" ride height
		S-22630/2	2		17" ride height
26	AIR SPRING SUPPORT CASTING				
		S-27447-1	1		13.5" and 14" ride height
		S-27447-3	1		15" ride height
		S-27447-4	1		16" and 17" ride height
27	SHOCK ABSORBER				
	Standard travel	S-23566	2		12" - 17" ride height
	Extended service with high damping	S-24023	2		12" - 17" ride height
28	SHOCK ABSORBER BOLT KIT (Per shock)	S-24049/2	2		One (1) required per shock
29	SHOCK SPACER (Included in Kit 28)	S-27196	2		
30	SHOCK MOUNT CLEVIS	C-20918	2		
31	SHOCK STRAP KIT (Not shown)				Includes (2) straps, (2) clevis and nylon ties
	Standard shock	C-23086-1	1		12" to 17" ride height
	Extended service with high damping	C-23086-2	1		12" to 17" ride height
32	TRI-FUNCTIONAL® BUSHING KIT ¹	S-26321	1		Includes (2) bushings, shear bolts, nuts, hardened washers and pivot bolt kit, bushing tube spacers and lube
33	QUIK-ALIGN® PIVOT BOLT KIT	S-24705	2		Includes 7" shear-type bolt, nut and washers
34	ALIGNMENT COLLARS				
	34a Concentric alignment collar (Inner)	S-20924	2		Pivot bolt hole is centered
	34b Eccentric alignment collar (Outer)	S-20925	2		Pivot bolt hole is offset from center
35	BUSHING TUBE SPACER	S-26807	4		
36	BRAKE KITS COMPONENTS (Not shown)				See L1104
37	AXLE COMPONENTS (Not shown)				See L1102
38	BRAKE CHAMBER BRACKET	S-24697	2		

1. Bushing tool, S-24736 is required to properly re-bush the suspension.

**ZMD® ZERO MAINTENANCE® DAMPING SPECIFIC COMPONENTS (Items not shown)**

ITEM	DESCRIPTION	PART NO.	QTY. PER		NOTE
			AXLE		
	ZMD® AIR SPRING	C-39400	2		13.5 - 17" Ride Heights
	ZMD DOWNSTOP				
		C-33669	2		13.5 - 14" Ride Heights
		C-33669-3	2		15 - 17" Ride Heights
	ZMD DOWNSTOP BOLT KIT	S-24049/2	2		Includes shear bolts, spacers, washers, hex bolt and hex nut
	Air Spring Spacer				
		B-22510-2	2		16" Ride Height
		B-22510-1	2		17" Ride Height
	Air Spring Support Casting				
		S-27447-1	1		13.5 - 14" Ride Heights
		S-27447-3	1		15" Ride Height
		S-27447-2	1		16" Ride Height
		S-27447-4	1		17" Ride Height



OTHER PARTS LISTS

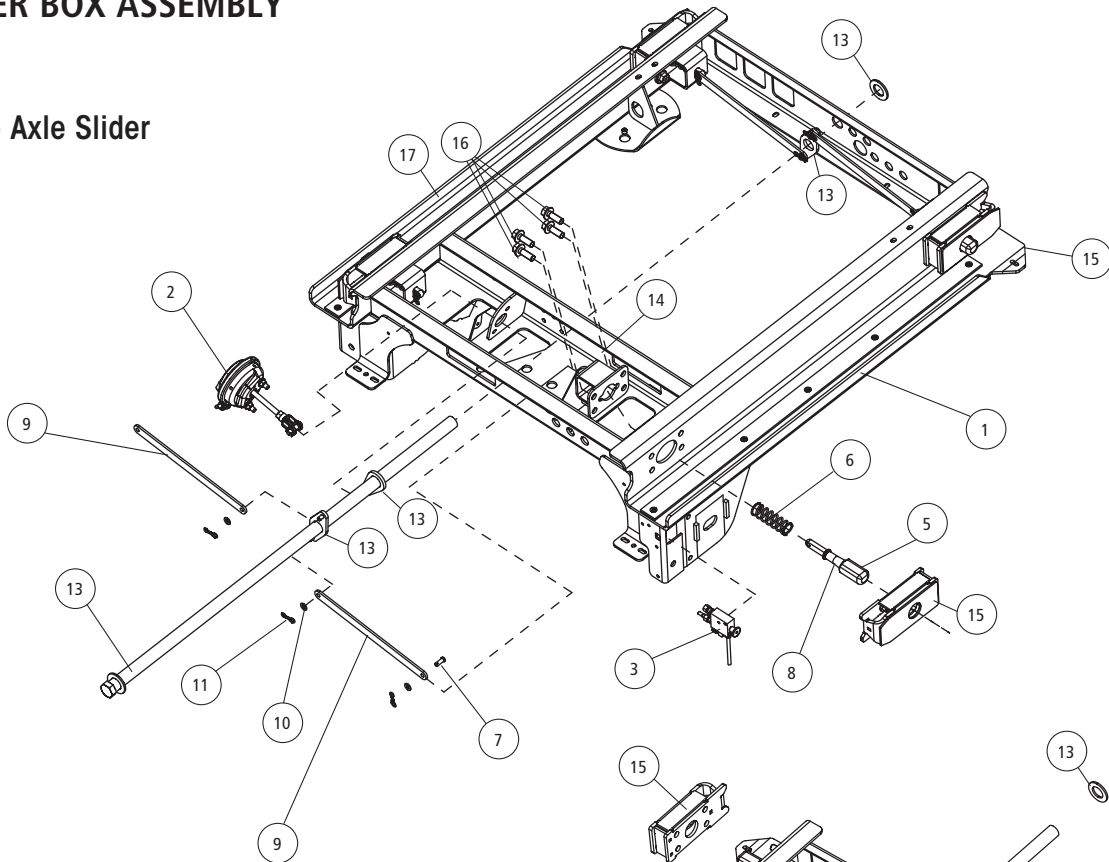
More information can be found in the following documents

Lit. Number	Description
L1102	Slider Accessories and Axle Components Parts List
L949	RTR® READY-TO-ROLL® Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1063	Air Disc Brakes Parts List
L1104	Brake Kits and Components Parts List

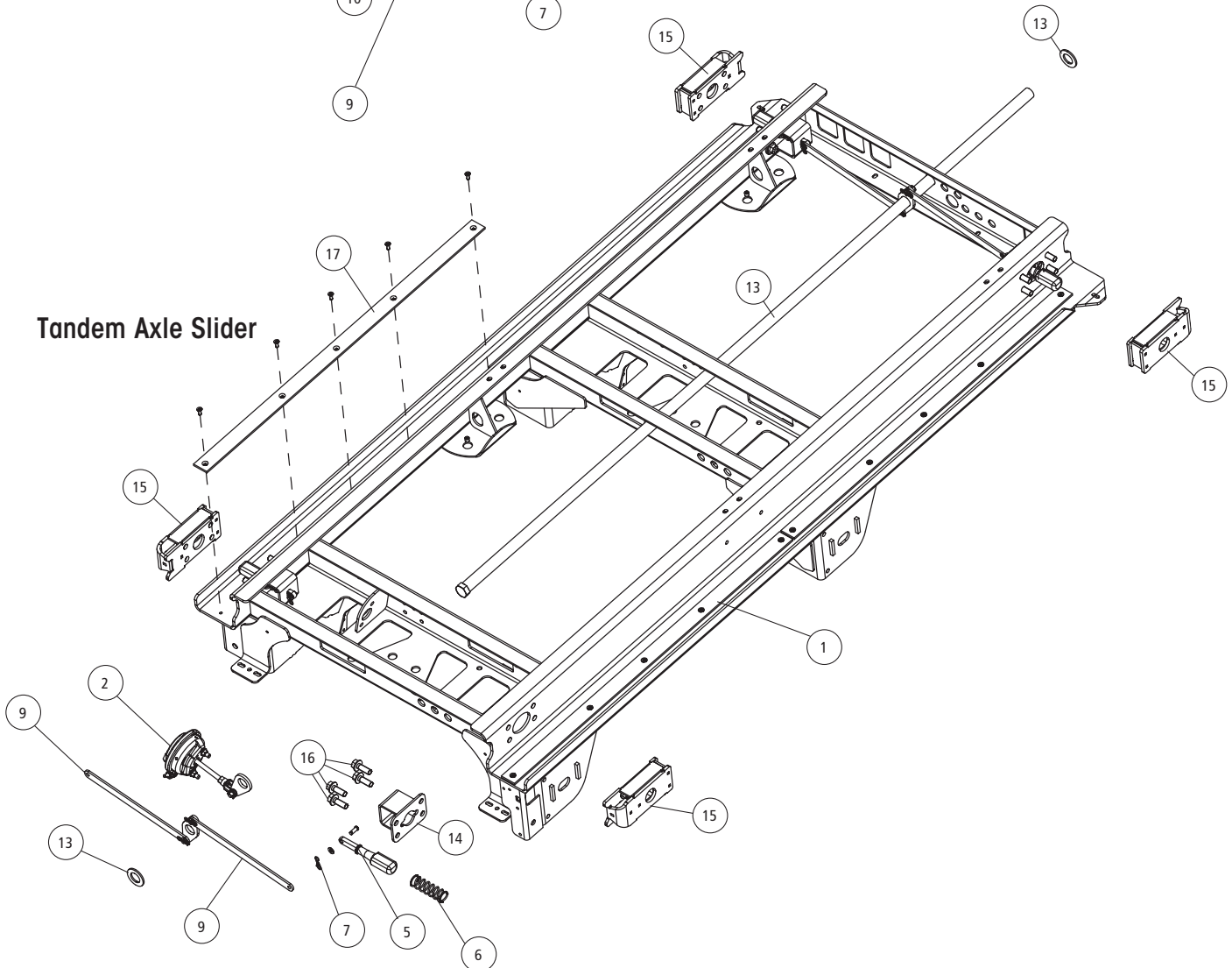


SLIDER BOX ASSEMBLY

Single Axle Slider



Tandem Axle Slider





SLIDER BOX ASSEMBLY

All suspensions are 23K capacity; system capacity for tandem is 46K.

I-beam centers are 37" and 38" for 42" box width with 71.5" axle track.

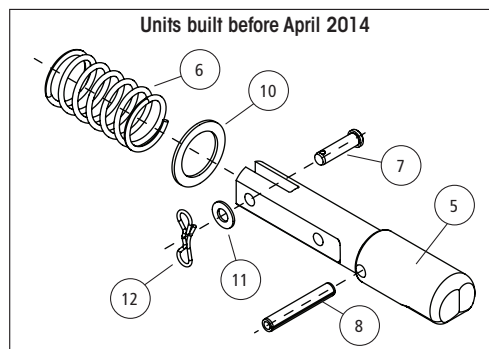
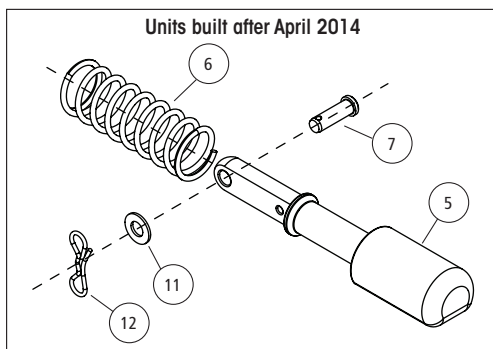
I-beam centers are 43" and 44" for 48" box width with 77.5" axle track.

Axle spacing or "spread" is measured from center of front axle to center of rear axle.

ITEM	DESCRIPTION	PART NO.	TANDEM SYSTEM QTY.	NOTE
1	AFTERMARKET SLIDER BOX REPLACEMENT	AMBOX.XX	1	Please contact Hendrickson for assistance
2	BRAKE CHAMBER	A-23039	1	Type 12 modified
3	QUIK-DRAW® VALVE			See L751 QUIK-DRAW Parts List
4	QUIK-DRAW VALVE KNOB with SCREW SET (Not shown)			See L751 QUIK-DRAW Parts List
5	LOCKING PIN			See L751 QUIK-DRAW Parts List
6	LOCKING PIN SPRING			See L751 QUIK-DRAW Parts List
7	CLEVIS PIN			See L751 QUIK-DRAW Parts List
8	SPRING PIN			See L751 QUIK-DRAW Parts List
9	LOCKING PIN LINK			See L751 QUIK-DRAW Parts List
10	LOCKING PIN WASHER			See L751 QUIK-DRAW Parts List
11	PIN WASHER			See L751 QUIK-DRAW Parts List
12	LOCKING PIN LINK COTTER PIN			See L751 QUIK-DRAW Parts List
13	PIPE WELDMENT KIT			Includes pipe weldment, crank weldment, crank arm actuator and pipe ring stop
	Single Axle	S-28044-1	1	51" weldment
	Tandem, 49" Axle Spread	S-28044-2	1	99" weldment
	Tandem, 60" Axle Spread	S-28044-3	1	111" weldment
	Tandem, 72" Axle Spread	S-28044-4	1	123" weldment
14	INNER LOCK PIN CAGE ASSEMBLY	S-27000	4	Units built before April 2014
		S-34055	4	Units built April 2014 and after
15	OUTER LOCK PIN CAGE REPLACEMENT KITS			
	No Shims, Per Slider	S-28658-1	1	Includes (4) pin cages and (16) bolts
	With Outer Shims, Per Slider	S-28658-2	1	Includes (4) pin cages and (16) bolts
	No Shims, front	S-28658-3	2	Includes (1) curbside and (1) roadside cage and bolts
	With Outer Shims, Rear	S-28658-4	2	Includes (1) curbside and (1) roadside cage and bolts
16	PIN CAGE BOLT (Bolts are Included in Kits)	SA-6900-20	16	Four (4) per cage, (16) per slider
17	SLIDER WEAR PAD KIT	S-28641	1	Quantity of (1) needed for single; (2) needed for tandem. Includes (2) 49" pads and (10) screws
18	STINGER (Not Shown)	S-27028-1	1	Includes (1) stinger and hardware

NOTE: Identification tag can be found on the roadside slider box rail above the front frame bracket gusset. There is also a blank INTRAAX® tag on the inside of the curbside beam.

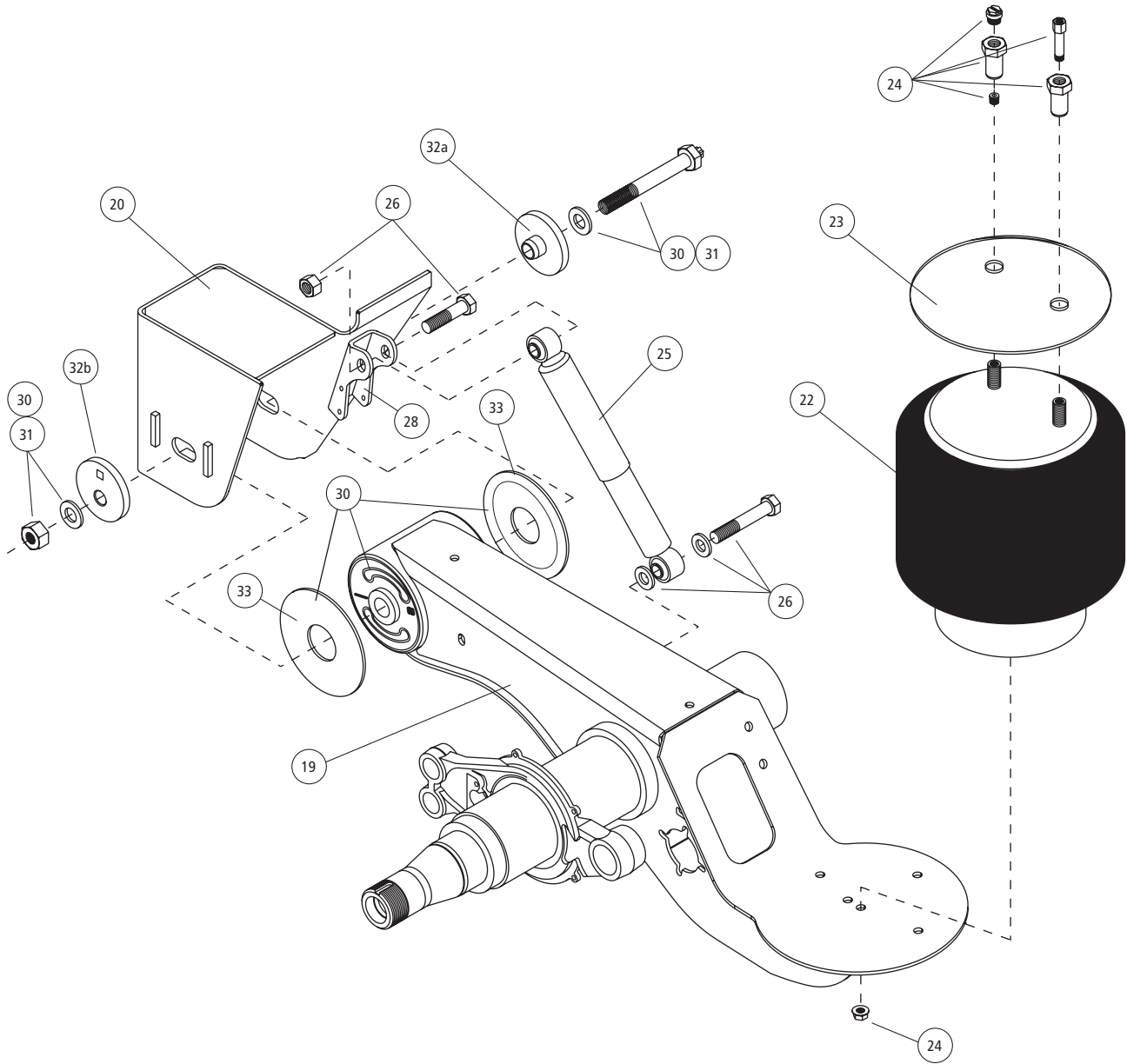
SLIDER PINS





LOW-RIDE SUSPENSION ASSEMBLY - AAZL

Wide Frame Bracket Assembly, Straight Beam





LOW-RIDE SUSPENSION ASSEMBLY — AAZL

All low-ride suspensions are wide frame bracket and wide beam assemblies.

All suspensions are 23K capacity; system capacity for tandem is 46K.

Low-ride ride heights are 6.5" - 12".

ITEM	DESCRIPTION	PART NO.	QTY. PER		NOTE
			AXLE		
19	AXLE/BEAM WELDMENT	HTRAAX. XXX			Contact Hendrickson for assistance
20	FRAME BRACKET				See L1266 Frame Bracket Parts List
21	FRAME BRACKET GUSSET (Not Shown)	S-27330	2		For weld-on, winged or wingless frame attachments; for ride heights of 12" to 17"
22	AIR SPRING				
	Standard	S-23720	2		6.5" - 7.5" ride height
		S-23613	2		8" - 9" ride height
		S-23614	2		12" ride height
	Low Pressure	S-23721	2		6.5" - 7.5" ride height
		S-23611	2		8" - 9" ride height
		S-23612	2		12" ride height
23	AIR SPRING MOUNTING PLATE	S-23294	2		
24	AIR SPRING MOUNTING KIT	S-22619/2	2		(1) kit is required per air spring
25	SHOCK ABSORBER				
	Standard Travel	S-23651	2		6.5" - 9" ride height
		S-23566	2		12" ride height
	Extended Service with High Damping	S-24579	2		6.5" - 9" ride height
		S-24023	2		12" ride height
26	FRONT SHOCK ABSORBER BOLT KIT (Per Shock)				
		5-inch	LDA™		
		S-24757/2	S-31080	2	(1) required per shock
27	SHOCK SPACER (Not Shown)	A-30202-1	2		LDA only
28	SHOCK MOUNT CLEVIS	C-20918	2		
29	SHOCK STRAP KIT (Not Shown)				Includes (2) straps, (2) clevis and nylon ties
	Standard Shock	C-23086-4	1		6.5" - 9" ride height; Use with S-23651 shock
		C-23086-1	1		12" ride height; Use with S-23566 shock
	Extended Service with High Damping	C-23086-8	1		6.5" - 9" ride height; Use with S-24579 shock
		C-23086-2	1		12" ride height; Use with S-24023 shock
30	TRI-FUNCTIONAL® BUSHING KIT ¹	S-24691	2		Includes (1) TRI-FUNCTIONAL bushing, (1) pivot bolt kit, (2) bushing tube spacers and lube packet

1. Bushing tool, S-21307 is required to properly re-bush the suspension.



ITEM	DESCRIPTION	PART NO.	QTY. PER AXLE	NOTE
31	QUIK-ALIGN® PIVOT BOLT KIT ²	S-24679	2	Includes 10" bolt, hexnut and (2) hardened washers
32	ALIGNMENT COLLARS			
	32a Concentric (Inner)	S-20924	2	Alignment hole is centered
	32b Eccentric (Outer)	S-20925	2	Alignment hole is off-center
33	BUSHING TUBE SPACER	S-21099	4	
34	BRAKE KITS COMPONENTS (Not Shown)			See L1104
35	AXLE COMPONENTS (Not Shown)			See L1102
36	BRAKE CHAMBER BRACKET (Not Shown)	S-24697	2	

2. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive sleeveless), S-25119 (1-inch drive with sleeve) or S-24303 (¾-inch drive sleeveless).

OTHER PARTS LISTS

More information can be found in the following documents

Lit. Number	Description
L1102	Slider Accessories and Axle Components Parts List
L949	RTR® READY-TO-ROLL® Parts List
L589	TRI-FUNCTIONAL® Bushing Replacement Tool
L1104	Brake Kits and Components Parts List



Non-Integrated Trailer Axles

TRLAXLE®

L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346



Tire Inflation Systems

TIREMAAX[®]

L878 - Tire Pressure Control System	322
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Brake and Wheel-End Components

Air Disc Brake

L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346
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Drum Brakes

L1104 - Drum Brake Components	336
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RTR® READY-TO-ROLL® Wheel-End Components

L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346
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Vehicle Controls

Vehicle Controls / Height Control Valves

L1182 - Vehicle Controls	305
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Value Added Options

QUIK-DRAW[®] Pneumatic Pin-Pull Mechanism

L751 - QUIK-DRAW[®] 382

SURELOK[®] Ride Height Lock Mechanism

L1055 - SURELOK[®] 400

UBL[™] UNDER BEAM LIFT[™]

L757 - UBL[™] Parts List 259

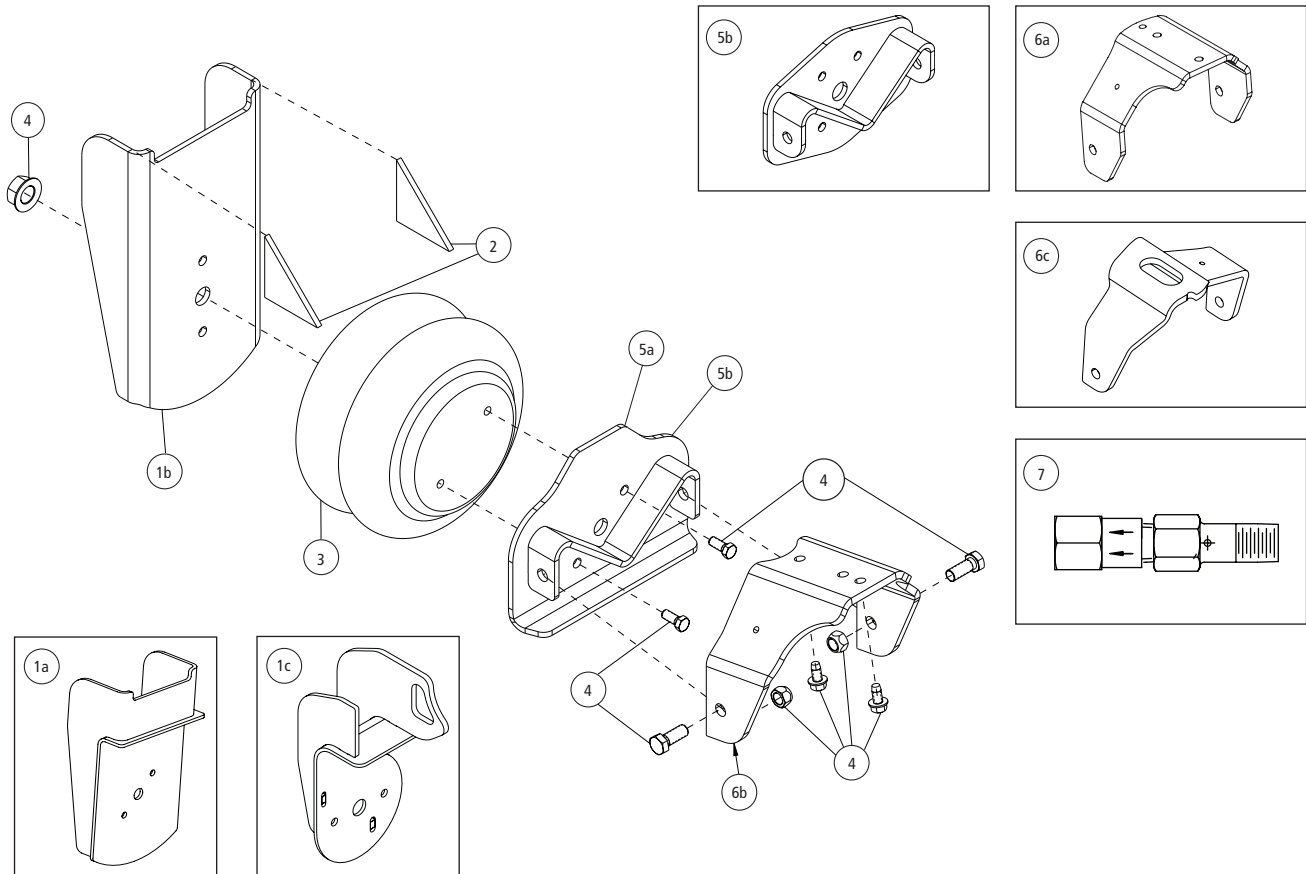
L727 - UBL Flyer 266



OEM-INSTALLED UBL™

UBL -001, UBL -002, UBL -003, UBL -004 (Weld-on)

- INTRAAX® AAT 23 / 25 / 30K • INTRAAX AANT 23K
- INTRAAX AAL 23/25K • HT® SERIES HT230T/HT300T
- INTRAAX AAEDT 30K • HT SERIES HT250T
- INTRAAX AAEDL 30K



ITEM DESCRIPTION

PART NO.

QTY.

NOTES

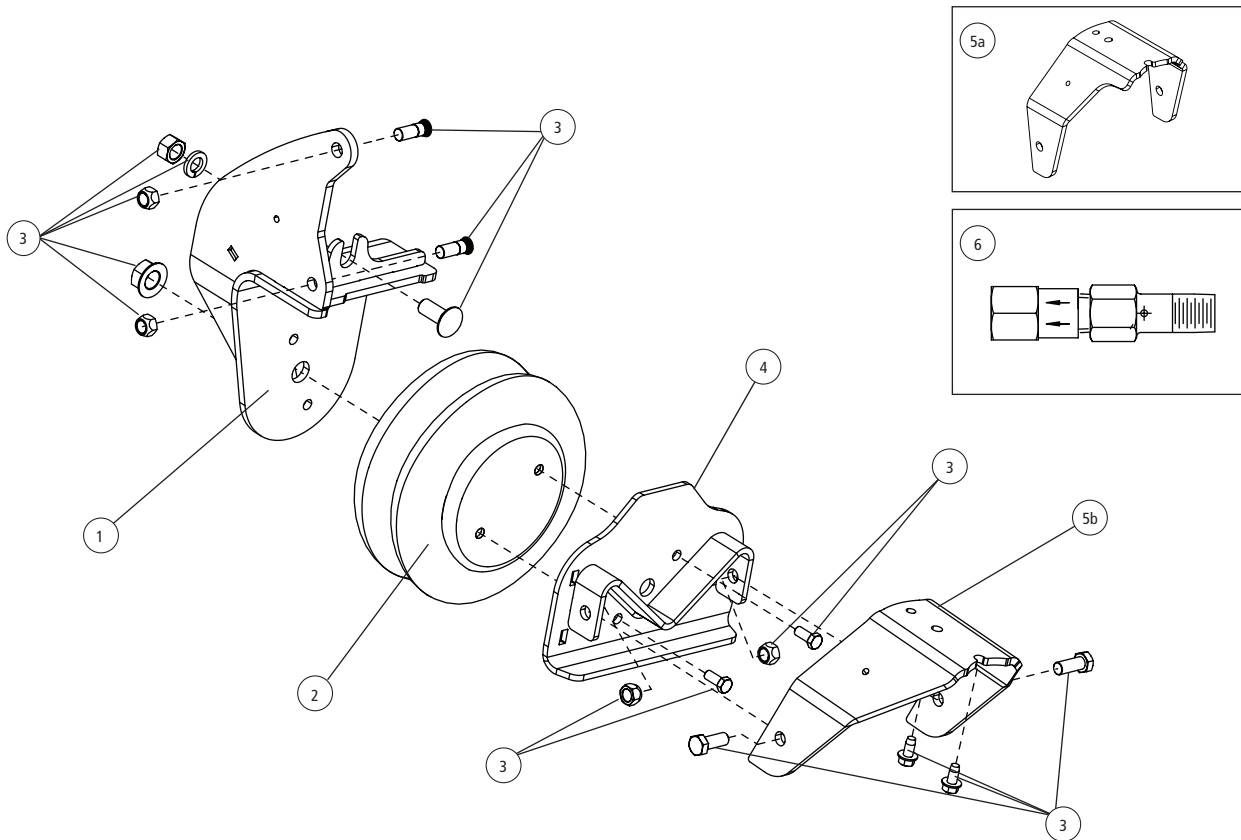
ITEM DESCRIPTION	PART NO.	QTY.	NOTES
1 FRAME BRACKET LIFT SUPPORT			
1a UBL-001	D-23301C	2	AAT, HT230T and HT300T models; Primer
1b UBL-002, UBL-003	D-24658C	2	AAL, AAEDT, AAEDL and HT250T models; Primer
1c UBL-004	C-28610-1C/-2C	2	AANT models; Primer
2 GUSSET	S-2901-37	4	Not for use with UBL-004
3 AIR SPRING	S-23114	2	
4 LIFT ASSEMBLY BOLT KIT	S-24614/2	2	Includes (2) 1/2" bolts, (2) 3/8" bolts, (2) self-tapping screws (not for use with AANT), (2) prevailing torque hex nuts and (1) hex nut
5 LIFT SPRING PLATE ASSEMBLY			
5a UBL-001, UBL-002, UBL-003	S-27945	2	AAT, AAL, AAEDT, AAEDL, HT230T, HT250T and HT300T models
5b UBL-004	C-28614	2	AANT models
6 LIFT BRACKET			
6a UBL-001	C-23299C	2	AAT, HT230T and HT300T; Primer
6b UBL-002, UBL-003	S-28537C	2	AAL, AAEDL, AAEDT and HT250T models; Primer
6c UBL-004	C-28617-1/-2	2	AANT models
7 CROSSOVER VALVE			
UBL-003	VS-27214	1	Recommended for AAL 30K, AAEDL 30K and HT250T models only



OEM-INSTALLED UBL™

UBL - 101 / 102, UBL - 201 / 202, UBL - 301 / 302 (Bolt-on)

- INTRAAX® AAL 23 / 25 / 30K • INTRAAX AAEDL 30K
- INTRAAX AAT 23 / 25 / 30K • VANTRAAX® HKAT 46 / 50 / 69K23 / 69K25 / 75K25
- INTRAAX SP AAZL 23 / 46K • VANTRAAX HKAL 46K
- INTRAAX AAEDT 30K • VANTRAAX HKARL 46K
- CONNEX® ST CXSL 25K



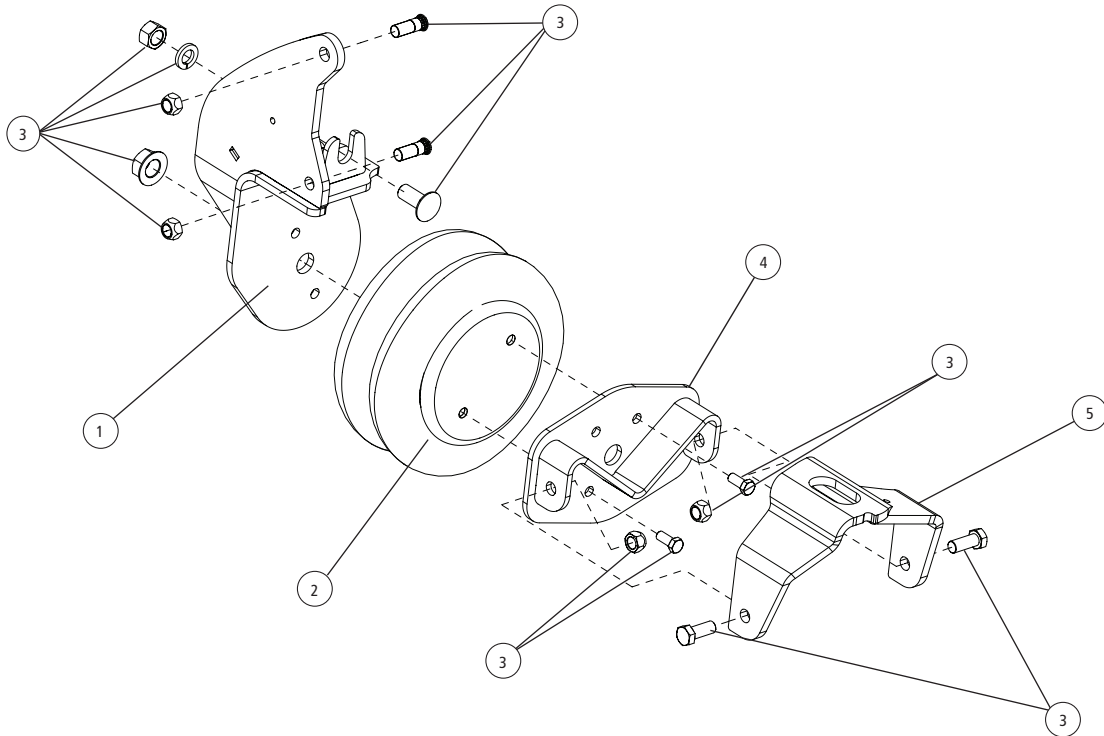
ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	FRAME BRACKET LIFT SUPPORT			
	UBL-101, UBL-201, UBL-301	C-33350-1C/-2C	2	Primer
	UBL-102, UBL-202, UBL-302	C-33350-1GV/-2GV	2	Galvanized
2	AIR SPRING	S-23114	2	
3	LIFT ASSEMBLY BOLT KIT	S-30634-1/2	2	Includes (2) 1/2" bolts, (2) 3/8" bolts, (1) carriage bolt, (2) 1/2" round head ribbed neck bolts, (2) self-tapping screws, (4) prevailing torque hex nuts, (1) 1/2" hex nut, (1) 5/8" hex nut, (1) lock washer and (1) hex nut
4	LIFT SPRING PLATE ASSEMBLY	S-27945	2	
5	LIFT BRACKET			
	5a UBL-101, UBL- 102	C-32893C	2	AAT, HKAT models; Primer
	5b UBL-201, UBL-202, UBL-301, UBL-302	C-32041C	2	AAL, AAEDL, AAEDT, AAZL, CXSL, HKAL and HKARL models; Primer
6	CROSSOVER VALVE			
	UBL-301, UBL-302	VS-27214	1	Recommended for AAL 30K, AAEDL 30K and HT250T models only



OEM-INSTALLED UBL™

UBL - 401 / 402 (Bolt-on)

- INTRAAX® AANT 23K
- INTRAAX SP AAZNT 23 / 46 / 69K23
- VANTRAAX® HKANT 40 / 46 / 69K23 (units built before Oct. 2016)



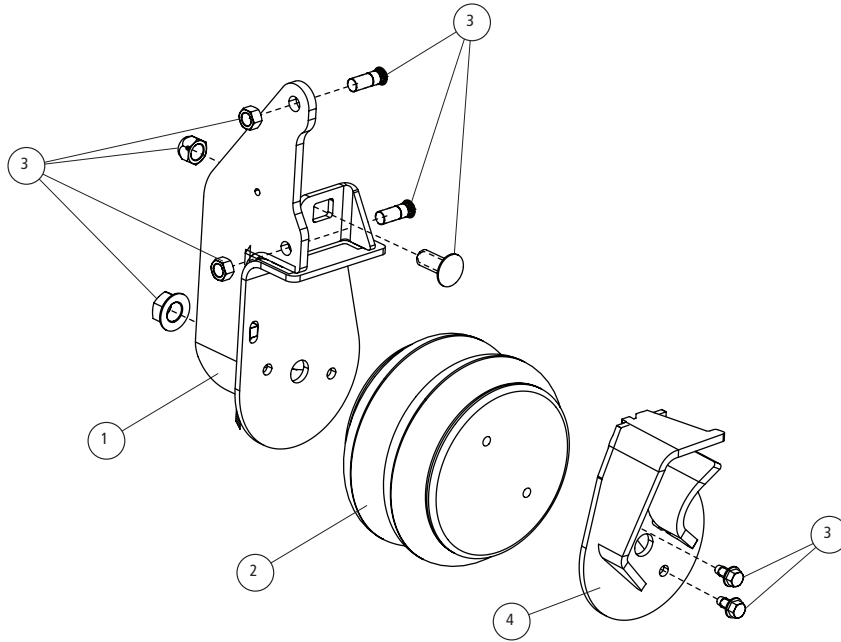
ITEM DESCRIPTION	PART NO.	QTY.	NOTES
1 FRAME BRACKET LIFT SUPPORT			
UBL-401	C-32038-1C/-2C	2	Primer
UBL-402	C-32038-1GV/-2GV	2	Galvanized
2 AIR SPRING	S-23114	2	
3 LIFT ASSEMBLY BOLT KIT	S-30634-1/2	2	Includes (2) 1/2" bolts, (2) 3/8" bolts, (1) carriage bolt, (2) 1/2" round head ribbed neck bolts, (2) self-tapping screws (not used with these kits), (4) prevailing torque hex nuts, (1) 1/2" hex nut, (1) 5/8" hex nut, (1) lock washer and (1) Spiralock® hex nut
4 LIFT SPRING PLATE ASSEMBLY	C-28614	2	
5 LIFT BRACKET	C-28617-1/-2	2	



OEM-INSTALLED UBL™

UBL - 005, UBL-005GV (Bolt-on)

- INTRAAX® AANL 23K
- VANTRAAX® HKANL 23K



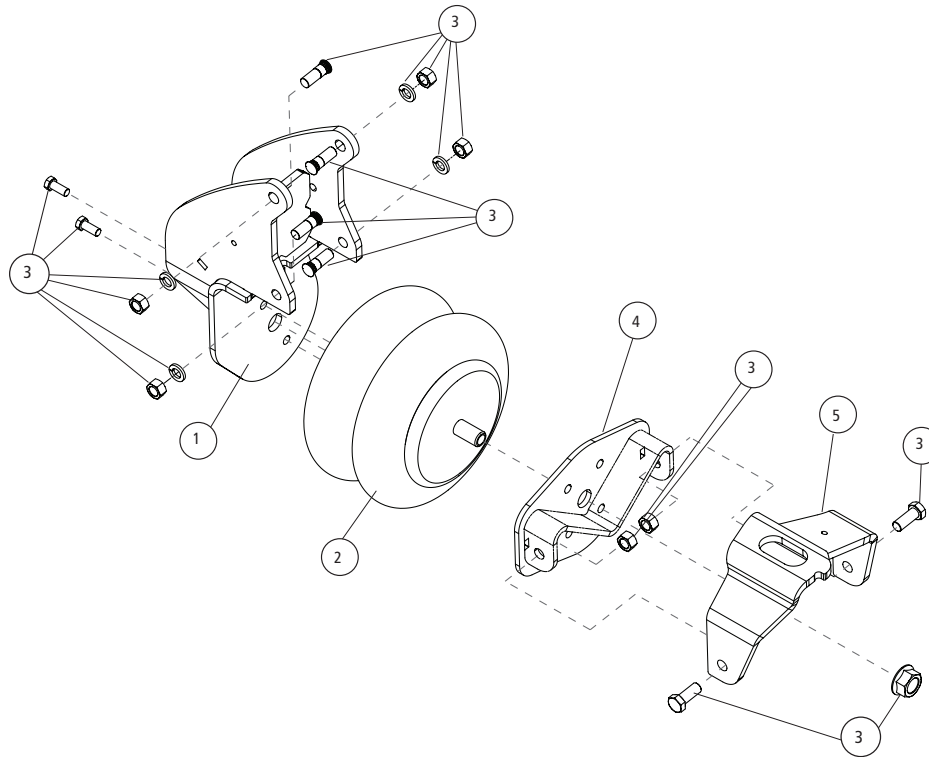
ITEM DESCRIPTION	PART NO.	QTY.	NOTES
1 FRAME BRACKET LIFT SUPPORT			
UBL-005	C-30293-1C/-2C	2	Primer
UBL-005GV	C-30293-1GV/-2GV	2	Galvanized
2 AIR SPRING	S-23114	2	
3 LIFT ASSEMBLY BOLT KIT	S-30634-1/2	2	Includes (2) 1/2" bolts, (2) 3/8" bolts, (1) carriage bolt, (2) 1/2" round head ribbed neck bolts, (2) self-tapping screws (not used with these kits), (4) prevailing torque hex nuts, (1) 1/2" hex nut, (1) 5/8" hex nut, (1) lock washer and (1) hex nut
4 LIFT BRACKET	C-30209-1/-2	2	



HENDRICKSON-INSTALLED UBL™

UBL - 601 (Bolt-on)

- VANTRAAX® HKANT 69K23 (units built after Oct. 2016)
- VANTRAAX HKANT 46K (units built after Oct. 2016)
- VANTRAAX HKANT 40K (units built after Oct. 2016)



ITEM DESCRIPTION	PART NO.	QTY.	NOTES
1 FRAME BRACKET LIFT SUPPORT			
UBL-601	C-37625-1C/-2C	2	Primer
UBL-602	C-37625-1GV/-2GV	2	Galvanized
2 AIR SPRING	S-23114	2	
3 LIFT ASSEMBLY BOLT KIT	S-37955-1/2	2	Includes (1) 3/4" hex nut, (2) hex head bolts, (4) 1/2" round head ribbed neck bolts, (2) hex cap screws, (6) 1/2" hex nuts and (4) lock washers
4 LIFT SPRING PLATE ASSEMBLY	C-28614	2	
5 LIFT BRACKET	C-28617-1/-2	2	



HENDRICKSON-INSTALLED UBL™

SUGGESTED CONTROLS BILL OF MATERIALS CHART — WABCO ABS

PART NUMBER	QUANTITY	VENDOR	DESCRIPTION	NOTES
ABS Electronic Control Unit				
400 500 105 0	1	WABCO	InfoLink ECU/Valve Assembly (2S/2M-4S/3M)	Trailer ABS ECU must be InfoLink equipped. Lift axle function must also be activated using Meritor WABCO TOOLBOX software. Reference WABCO TP-08103 Technical Bulletin for programming information.**
OR				
400 500 106 0	1	WABCO	InfoLink ECU/Valve Assembly (2S/1M)	
Lift Axle Control Components				
400 850 821 0	1	WABCO	Lift Axle Control Kit	Reference WABCO TP-08103 Technical Bulletin for installation information.
Kit includes:			463 084 050 0 Lift Axle Control Valve	
			449 518 030 0 3-meter Solenoid Valve Cable	
			449 442 010 0 Multiple Generic I/O Cable	
			449 428 030 0 12-volt Analog Input Cable	
			441 044 106 0 Pressure Sensor	
			TP-09174 Label	
Parked Auto-Deploy Components (Required by Hendrickson)				
8000	1	Sealco	Pressure Switch	The 449 428 030 0 cable included with the WABCO Lift Axle Control Option Kit allows the installation of a non-WABCO pressure switch. The pressure switch should be plumbed into the Emergency/ Supply glad hand circuit.
Service Brake Isolation Components				
780215	2	Sealco	Free Wheel Control Valve	Reference Sealco's product documentation for plumbing schematics. The pilot circuit of the free wheel control valve should be plumbed to the lift bag circuit.
Optional Components				
Multiple	1	Peterson	Light	Peterson Manufacturing stocks a wide variety of light options. Alternatively, the light can be purchased from any trailer lighting supplier.
449 711 120 0	1	WABCO	12m Light Cable	

** Customers who currently use Meritor WABCO 2S/1M ECU/valve that is non-InfoLink equipped can remove existing ECU and replace with a new InfoLink 2S/1M ECU only (part number S446 108 206 0). For all other non-2S/1M systems, the ECU and Valve assembly must be replaced.



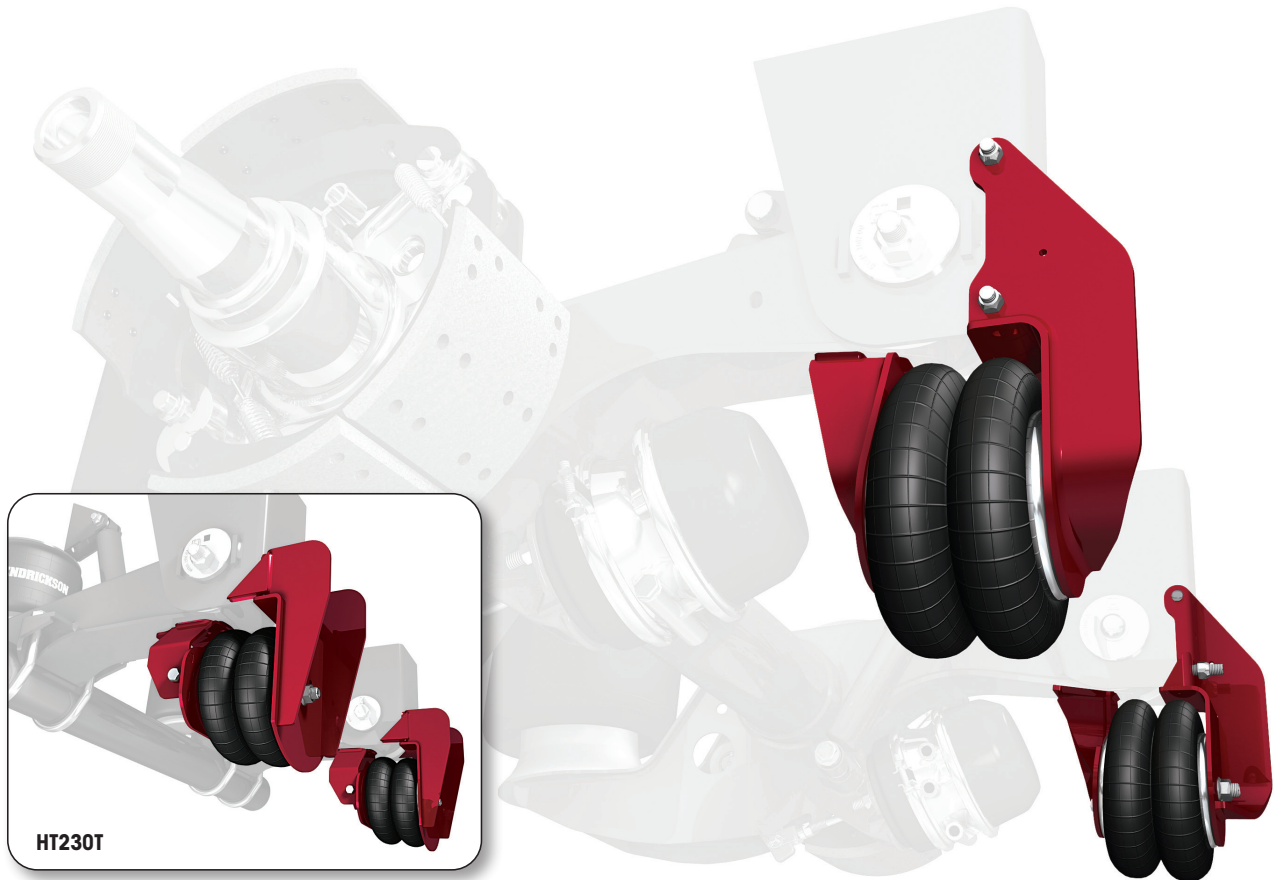
HENDRICKSON-INSTALLED UBL™

SUGGESTED CONTROLS BILL OF MATERIALS CHART — BENDIX ABS

OEM PART NUMBER	AFTERMARKET PART NUMBER	QUANTITY	VENDOR	DESCRIPTION	NOTES
TABS-6 Advanced					
K102325	K102326		Bendix	TABS-6 advanced Pigtail Harness	9" Power pigtail with 9" auxiliary 6-pin pigtail (all 6 pins included) with 9" 4-pin J1939 diagnostic connector
K099802	K099803	1	Bendix	Lift Axle Harness with Park Brake Override via Lift Lower (LL) Feature	6-pin DTM auxiliary connector to Lift Axle Control (LAC) solenoid 8 ft. with 2-pin AMP connector; Lift Lower (LL) override pigtail 5 ft. with 2 pin DT connector
Lift Axle Service Brake Override					
109001	65476	1	Bendix	Relay Valve R12-P	Pivot relay valve; tank mounted
109424	65476	1	Bendix	Relay Valve R12-P	Pivot relay valve; bracket mounted (optional)
101450	101450N	1	Bendix	TR-3 Inversion Valve	
Park Brake Disable					
K101876	K101877	1	Bendix	Pressure Switch	Normally closed 60 PSI cut in; 40 PSI cut out
Hendrickson Lift Axle					
AKAD0012		1	Hendrickson	Lift Valve	
Label					
K101839	K101840	1	Bendix	Warning Label	Warning vehicle equipped with automatic lift axle control



- Operational flexibility
- Improved maneuverability
- Maximized payloads



HT230T

Lift Your Bottom Line

Hendrickson’s UBL™ UNDER BEAM LIFT™ kits allow fleets and owner-operators to put the advantages of INTRAAX®, VANTRAAX®, CONNEX® ST and HT™ Series to work in liftable applications. Liftable axles offer operational flexibility, help extend tire life, improve trailer maneuverability, carry more payload and save on road tolls. When combined with a Hendrickson integrated air suspension system, UBL provides an efficient, lightweight, integrated lift system.

Easy Assembly

Select INTRAAX models feature a self-locating, bolt-on frame bracket mount that eases installation by eliminating tedious positioning and labor-intensive welding. It is also compatible with corrosion protective frame bracket coating options, allowing you to specify galvanized coating if needed.



To learn more about UBL, call 866.743.3247 or visit www.hendrickson-intl.com





UBL™ UNDER BEAM LIFT™ Features and Benefits

- Lightweight**
 At less than 75 pounds, the UBL™ is lighter than other lift mechanisms on the market
- Compact**
 The small package attaches easily to existing hangers and leaves plenty of room for auxiliary equipment
- Durable**
 Manufactured with the same rugged craftsmanship that has made our suspensions the industry standard
- User-friendly**
 Simple to install and operate and easy to retrofit on INTRAAX®, CONNEX® ST and HT™ Series models
- Low maintenance**
 With fewer moving parts than other lift products, UBL helps deliver years of trouble-free service



Running Mode



Raised Mode

Specifications

Product Family	Suspension	UBL Kit	Attachment*		Coating		Comments
			Weld-On	Bolt-On	Painted	Galvanized**	
INTRAAX®	AAT 23/25/30K	UBL-001	X		X		Recommended for lifting in unloaded conditions only
		UBL-101		X	X		
		UBL-102		X		X	
	AAL 23/25K AAEDT 30K	UBL-002	X		X		Approved for lifting in loaded and unloaded condition
		UBL-201		X	X		
		UBL-202		X		X	
	AAL 30K AAEDL 30K	UBL-003	X		X		Approved for lifting in loaded and unloaded condition; includes crossover valve
		UBL-301		X	X		
		UBL-302		X		X	
	AANT	UBL-004	X		X		Recommended for lifting in unloaded conditions only
UBL-401			X	X			
AANL	UBL-402		X		X	Approved for lifting in loaded and unloaded condition	
	UBL-005		X	X			
AANL	UBL-005GV		X		X		
	AAZNT 23K AAZNT 46K AAZNT 69K23	UBL-401		X	X		
AAZL 23K AAZL 46K		UBL-201		X	X		
HT™ Series	HT230/300	UBL-001	X		X		Recommended for lifting in unloaded conditions only
		UBL-002	X		X		Approved for lifting in loaded and unloaded condition
	HT250T	UBL-003	X		X		Approved for lifting in loaded and unloaded condition; includes crossover valve
CONNEX® ST	CXSL 25K	UBL-201/202		X	X	X	Approved for lifting in loaded and unloaded condition
VANTRAAX®	HKANL	UBL-005		X	X		
	HKAT	UBL-101		X	X		
	HKAL	UBL-201		X	X		
	HKARL	UBL-201		X	X		
	HKANT (units built before Oct. 2016)	UBL-401		X	X		
	HKANT (units built after Oct. 2016)	UBL-601		X	X		
UBL-602			X		X		



Suspension & Slider Components

Slider Accessories

L1102 - Slider Accessories	400
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Frame Brackets

L1266 - Frame Brackets Parts List	278
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Shocks

L1287 - Shocks	297
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Suspension Ordering Guides

L1251 - CONNEX® ST

L1259 - PAN17

L1270 - Chassis Axles

L1274 - CONNEX

L544 - VANTRAAX®

L1226 - ULTRAA-K®

L555 - HT®

L602 - INTRAAX®

L802 - INTRAAX SP

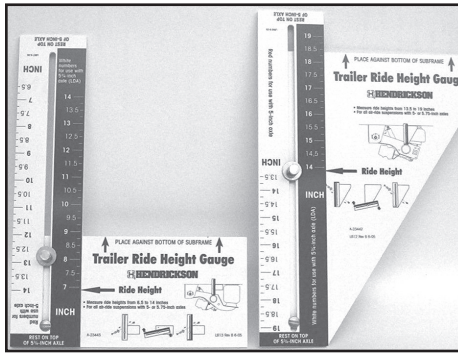
L868 - TIREMAAX®

L964 - Trailer Axles



Service Tools

L720 - Application Guide	272
L589 - Bushings	275



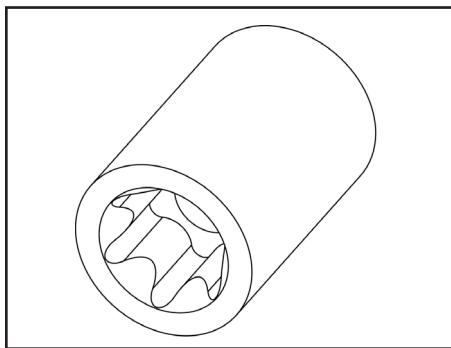
RIDE HEIGHT GAUGE

Part No. A-23442

Used to measure ride heights from 13.5" to 19" on any Hendrickson top-mount suspension with 5" or LDA™ Large Diameter Axle.

Part No. A-23445

Used to measure ride heights from 6.5" to 14" on any Hendrickson low-ride suspension with 5" or LDA Large Diameter Axle.



E-20 SOCKET

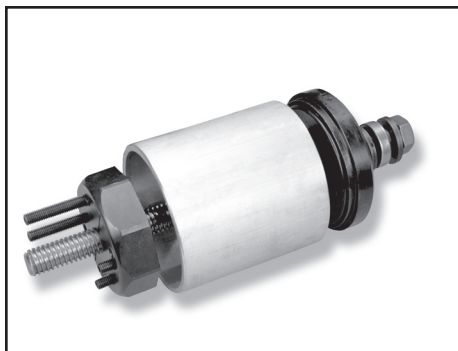
Part No. S-24303 (3/4" drive)

S-24536 (1" drive)

S-25119 (1" drive with sleeve)

Used for the QUIK-ALIGN® pivot connection to install the shear-type bolt through the collars.

Used to install the lower shock mount on INTRAAX®, VANTRAAX® and HT™ SERIES HT250US models.



TRI-FUNCTIONAL® BUSHING TOOL

Part No. S-21307 (TRI-FUNCTIONAL Bushing I & II – 6.75" wide)

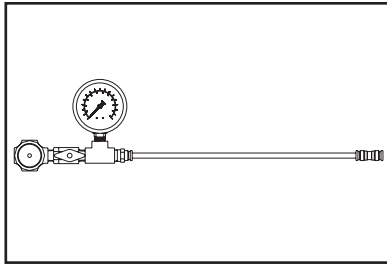
S-24736 (TRI-FUNCTIONAL Bushing III – 3.625" wide)

Used to remove and replace TRI-FUNCTIONAL Bushings.



TRI-FUNCTIONAL BUSHING TOOL LUBE

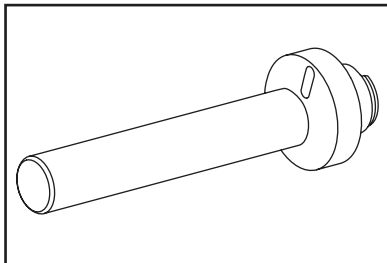
Part No. S-21337



TIREMAAX® EC PRESSURE TESTER

Part No. VS-28707

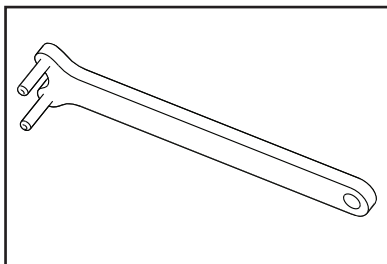
Provides a continuous regulated source of pressure to the system to check air fittings for leaks.



TIREMAAX PLUG DRIVER

- Part No. S-28146-1** (HN, 1.75" driver)
- S-28146-2** (HP, 2.50" driver)
- S-28146-3** (HP and HUS/P90, 2.75" driver)
- S-27399** (driver handle)

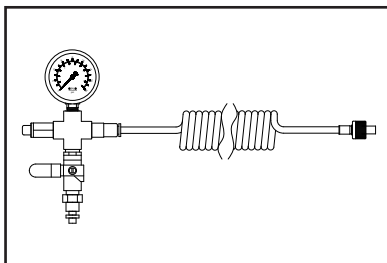
Used to insert spindle plugs to the proper depth.



TIREMAAX SPANNER WRENCH

Part No. S-29430

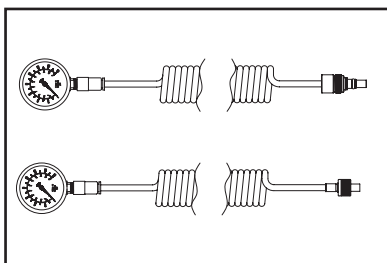
Holds rotary union stationary while tightening threaded axle hose.



TIREMAAX PRO TARGET GAUGE

Part No. VS-32331

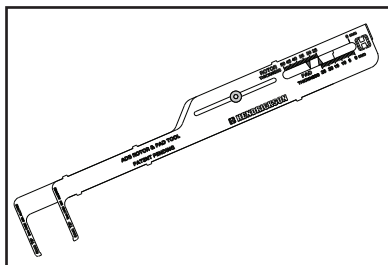
Provides a convenient way to check the controller delivery pressure without disconnecting any of the delivery line fittings. The flexible tube stretches to allow the gauge to be visible from the controller location while adjusting target pressure.



TIREMAAX CP TARGET GAUGE

- Part No. VS-32344** (CP with Hubcap-Mounted Rotary Union)
- VS-30468** (CP with Spindle-Mounted Rotary Union)

Provides a convenient way to check the controller delivery pressure without disconnecting any of the delivery line fittings. The flexible tube stretches to allow the gauge to be visible from the controller location while adjusting target pressure.



AIR DISC BRAKE WEAR TOOL

Part No. S-37430

Used to measure rotor and pad thickness on all air disc brake systems.



AIR DISC BRAKE ADJUSTER TOOL

Part No. S-32676-5

Used for air disc brake maintenance of WABCO PAN22 and Hendrickson MAXX22T™ systems.



AIR DISC BRAKE ADJUSTER TOOL

Part No. S-38378

Used for air disc brake maintenance of WABCO PAN22 and Hendrickson MAXX22T™ systems.



HENDRICKSON MAXX22T™ TOOL

Part No. S-35303-6

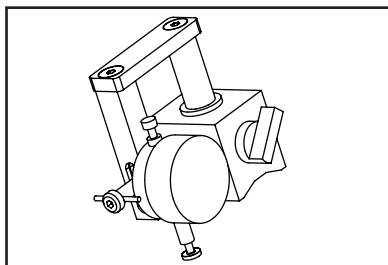
Used to remove and install brake components for Hendrickson MAXX22T systems.



WABCO PAN22 TOOL

Part No. S-32676-6

Used to remove and install brake components for WABCO PAN22 air disc brake systems.



END PLAY GAUGE

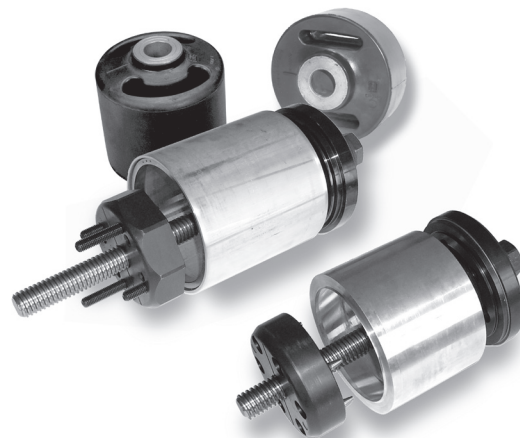
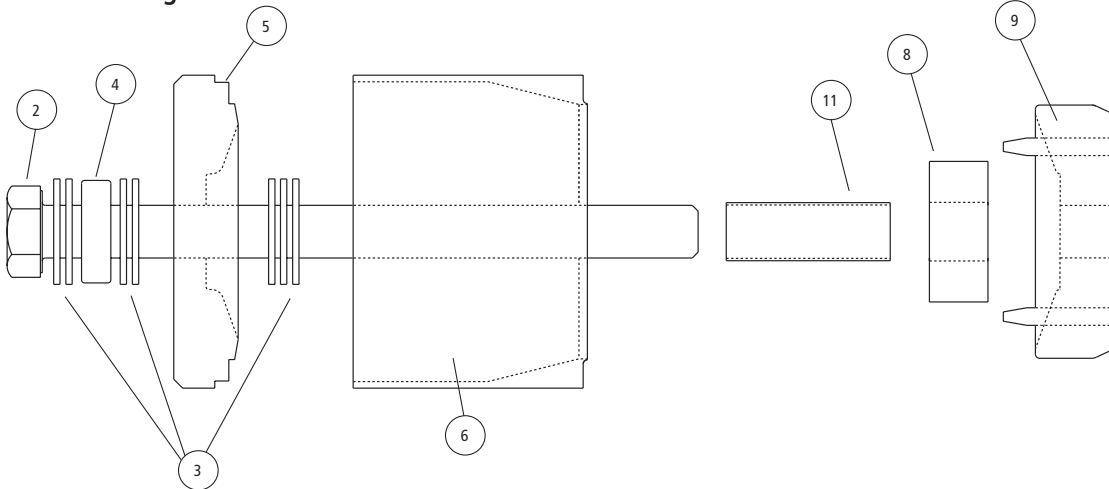
Part No. S-36710-1 (HN)
 S-36710-2 (HP)
 S-36710-3 (HN & HP)
 S-36706 (digital indicator)

Used to measure end play for all wheel-end systems.

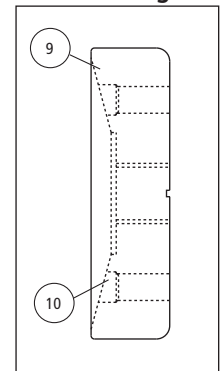
BUSHING TOOLS

ITEM	DESCRIPTION	QTY.	WIDE BUSHING TOOL PART NUMBER	NARROW BUSHING TOOL PART NUMBER
1	COMPLETE BUSHING TOOL (Individual Components Shown)	1	S-21307	S-24736
2	HEX HEAD BOLT			
	ACME threads — 14"	1	N/A	S-24215
	ACME threads — 18"	1	S-21308	N/A
3	WASHERS	7	SA-1500-15	SA-1500-15
4	THRUST BEARING	1	S-21315	S-21315
5	FRONT PLATE	1	S-21312	S-26986
6	TRANSITION TUBE	1	S-21313	S-24216
7	CUP (Not Shown)	1	S-21310	N/A
8	REMOVAL SPACER	1	S-21314	S-21314
9	REAR DRIVE PLATE	1	S-21309	S-26985
10	CUP POINT SET SCREW			
	4" screw for removal	2	SA-2800-4	N/A
	2" screw for installation	2	SA-2800-7	N/A
11	LINER	1	N/A	S-2068-4
12	EXTREME PRESSURE LUBE (Not Shown)	1	S-21337	S-21337

Narrow Bushing Tool



Wide Bushing Tool





Repeated Documents

L1266 - Frame Brackets	278
L1287 - Shocks	297
L1182 - Vehicle Controls	305
L878 - Tire Pressure Control System	322
L1104 - Drum Brake Components	336
L949 - READY-TO-ROLL® Wheel-End Packages & Air Disc Brake Components	346
L751 - QUIK-DRAW®	382
L1055 - SURELOK®	386
L1102 - Slider Accessories	400



INTRAAX® AANT 23K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
12.0	Standard, winged, steel	S-27067-4L	S-27067-4R
	Tapered, winged, steel	S-26105-1L	S-26105-1R
	Standard, wingless, steel	S-27320-16L	S-27320-16R
	Tapered, wingless, steel	S-26104-1L	S-26104-1R
	Standard, winged, stainless steel	S-36535-1L	S-36535-1R
13.5 14.0 15.0	Standard, winged, steel	S-27067-4L	S-27067-4R
	Tapered, winged, steel	S-26105-1L	S-26105-1R
	Tapered, winged, steel, flush mount	S-26119-1L	S-26119-1R
	Standard, winged, steel, flush mount	S-27320-10L	S-27320-10R
	Standard, winged, steel, flush side mount	S-27320-22L	S-27320-22R
	Standard, wingless, steel	S-27320-16L	S-27320-16R
	Tapered, wingless, steel	S-26104-1L	S-26104-1R
13.5 14.0 15.0 HIGH CONTROL	Standard, winged, steel	S-27067-5L	S-27067-5R
	Tapered, winged, steel	S-26105-2L	S-26105-2R
	Standard, winged, steel, flush mount	S-27320-11L	S-27320-11R
	Standard, winged, steel, flush side mount	S-27320-23L	S-27320-23R
	Standard, wingless, steel	S-27320-17L	S-27320-17R
	Tapered, wingless, steel	S-26104-2L	S-26104-2R
	Standard, winged, stainless steel	S-36535-2L	S-36535-2R
16.0 17.0	Standard, winged, steel	S-27067-5L	S-27067-5R
	Tapered, winged, steel	S-26105-2L	S-26105-2R
	Tapered, winged, steel, flush mount	S-26119-2L	S-26119-2R
	Standard, winged, steel, flush mount	S-27320-11L	S-27320-11R
	Standard, winged, steel, flush side mount	S-27320-23L	S-27320-23R
	Standard, wingless, steel	S-27320-17L	S-27320-17R
	Tapered, wingless, steel	S-26104-2L	S-26104-2R
16.0 17.0 HIGH CONTROL	Standard, winged, steel	S-27067-6L	S-27067-6R
	Tapered, winged, steel	S-26105-3L	S-26105-3R
	Standard, winged, steel, flush mount	S-27320-12L	S-27320-12R
	Standard, winged, steel, flush side mount	S-27320-24L	S-27320-24R
	Standard, wingless, steel	S-27320-18L	S-27320-18R
	Tapered, wingless, steel	S-26104-3L	S-26104-3R
18.0 19.0	Standard, winged, steel	S-27067-6L	S-27067-6R
	Tapered, winged, steel	S-26105-3L	S-26105-3R
	Standard, winged, steel, flush mount	S-27320-12L	S-27320-12R
	Standard, winged, steel, flush side mount	S-27320-24L	S-27320-24R
	Standard, wingless, steel	S-27320-18L	S-27320-18R
	Tapered, wingless, steel	S-26104-3L	S-26104-3R

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



2. BOLT-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PATTERN TYPE	UNIVERSAL BOLT-ON ¹	
		ROADSIDE	CURBSIDE
13.5 14.0 15.0	Standard - 1/2"	S-36562-1L	S-36562-1R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"		
	Standard - 5/8"	S-36562-2L	S-36562-2R
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		
13.5 14.0 15.0 HIGH CONTROL	Standard - 1/2"	S-36562-3L	S-36562-3R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"		
	Standard - 5/8"	S-36562-4L	S-36562-4R
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		
16.0 17.0	Standard - 1/2"	S-36562-3L	S-36562-3R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"		
	Standard - 5/8"	S-36562-4L	S-36562-4R
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		
16.0 17.0 HIGH CONTROL	Standard - 1/2"	S-36562-5L	S-36562-5R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"		
	Standard - 5/8"	S-36562-6L	S-36562-6R
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		
18.0 19.0	Standard - 1/2"	S-36562-5L	S-36562-5R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"		
	Standard - 5/8"	S-36562-6L	S-36562-6R
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		

1. As of May 2016, frame bracket mounting patterns 1, 2, 3 and standard have been replaced with the universal bolt-on frame bracket. Please refer to page 293 for additional information about the frame bracket pattern types.
NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



INTRAAX® AAT 23K / 25K / 30K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
13.5 14.0 15.0	Standard, winged, steel	S-21028-1	S-21028-2
	Standard, winged, steel, weld-on top plate	S-21028-3	S-21028-4
	Standard, wingless, steel	S-21905-1	S-21905-2
	Standard, wingless, steel, extended	S-23000-1	S-23000-2
	Standard, winged, stainless steel	S-36680-1L	S-36680-1R
13.5 14.0 15.0 HIGH CONTROL	Standard, winged, steel	S-21626-1	S-21626-2
	Standard, wingless, steel	S-23000-1	S-23000-2
	Standard, winged, stainless steel	S-36680-3L	S-36680-3R
16.0 17.0	Standard, winged, steel	S-21082-1	S-21082-2
	Standard, winged, steel, weld-on top plate	S-21082-3	S-21082-4
	Standard, wingless, steel	S-21906-1	S-21906-2
	Standard, winged, stainless steel	S-36680-2L	S-36680-2R
16.0 17.0 HIGH CONTROL	Standard, winged, steel	S-22872-1	S-22872-2
	Standard, wingless, steel	S-24851-1	S-24851-2
18.0 19.0	Standard, winged, steel	S-21083-1	S-21083-2
	Standard, wingless, steel	S-22770-1	S-22770-2

2. BOLT-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PATTERN TYPE	UNIVERSAL BOLT-ON ¹	
		ROADSIDE	CURBSIDE
13.5 14.0 15.0	Standard - 1/2"	S-36566-1L	S-36566-1R
	Standard - 5/8"	S-36566-2L	S-36566-2R
	Pattern 1 - 5/8"		
	Pattern 3 - 5/8"		
13.5 14.0 15.0 HIGH CONTROL	Standard - 1/2"	S-36566-5L	S-36566-5R
	Standard - 5/8"	S-36566-6L	S-36566-6R
16.0 17.0	Standard - 1/2"	S-36566-3L	S-36566-3R
	Standard - 5/8"	S-36566-4L	S-36566-4R
	Pattern 1 - 5/8"		
	Pattern 3 - 5/8"		
16.0 17.0 HIGH CONTROL	Standard - 1/2"	S-36567-1L	S-36567-1R
	Standard - 5/8"	S-36567-2L	S-36567-2R
18.0 19.0	Standard - 1/2"	S-36567-3L	S-36567-3R
	Standard - 5/8"	S-36567-4L	S-36567-4R

1. As of May 2016, frame bracket mounting patterns 1, 2, 3 and standard have been replaced with the universal bolt-on frame bracket. Please refer to page 293 for additional information about the frame bracket pattern types.

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



INTRAAAX® AAEDT 30K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
14.0	Standard, winged, steel	S-24766-3L	S-24766-3R
	Standard, wingless, steel	S-24767-3L	S-24767-3R
15.0	Standard, winged, steel	S-24766-4L	S-24766-4R
	Standard, wingless, steel	S-24767-4L	S-24767-4R
16.0 17.0	Standard, winged, steel	S-24766-5L	S-24766-5R

2. BOLT-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PATTERN TYPE	UNIVERSAL BOLT-ON ¹	
		ROADSIDE	CURBSIDE
14.0	Standard - 1/2"	S-36564-3L	S-36564-3R
	Standard - 5/8"	S-36564-4L	S-36564-4R
	Pattern 1 - 5/8"		
	Pattern 3 - 5/8"		
15.0	Standard - 1/2"	S-36565-1L	S-36565-1R
	Standard - 5/8"	S-36565-2L	S-36565-2R
	Pattern 3 - 5/8"		
16.0 17.0	Standard - 1/2"	S-36565-3L	S-36565-3R
	Standard - 5/8"	S-36565-4L	S-36565-4R
	Pattern 3 - 5/8"		

INTRAAAX AANLS 20K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
6.25 7.0	Standard, winged, steel	S-26150-1L	S-26150-1R
	Standard, winged, steel, flush mount	S-26874-1L	S-26874-1R
9.0	Standard, winged, steel	S-26150-2L	S-26150-2R
	Standard, winged, steel, flush mount	S-26874-2L	S-26874-2R
12.0	Standard, winged, steel	S-27067-5L	S-27067-5R
	Standard, winged, stainless steel	S-36535-2L	S-36535-2R

1. As of May 2016, frame bracket mounting patterns 1, 2, 3 and standard have been replaced with the universal bolt-on frame bracket. Please refer to page 293 for additional information about the frame bracket pattern types.

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



INTRAAX® AANL 23K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
6.5 7.5	Standard, winged, steel	S-29184-1L	S-29184-1R
	Standard, winged, steel, chamfered	S-29183-1L	S-29183-1R
	Standard, winged, steel, flush mount	S-29198-1L	S-29198-1R
	Standard, wingless, steel	S-29198-3L	S-29198-3R
8.0 9.0	Standard, winged, steel	S-29184-2L	S-29184-2R
	Standard, winged, steel, chamfered	S-29183-2L	S-29183-2R
	Standard, winged, steel, flush mount	S-29198-2L	S-29198-2R
	Standard, wingless, steel	S-29198-4L	S-29198-4R
12.0	Standard, winged, steel	S-27067-4L	S-27067-4R
	Tapered, winged, steel	S-26105-1L	S-26105-1R
	Tapered, winged, steel, flush mount	S-26119-1L	S-26119-1R
	Standard, winged, steel, flush mount	S-27320-10L	S-27320-10R
	Standard, winged, steel, flush side mount	S-27320-22L	S-27320-22R
	Standard, wingless, steel	S-27320-16L	S-27320-16R
	Tapered, wingless, steel	S-26104-1L	S-26104-1R
	Standard, winged, stainless steel	S-36535-1L	S-36535-1R
14.0 15.0	Standard, winged, steel	S-27067-5L	S-27067-5R
	Tapered, winged, steel	S-26105-2L	S-26105-2R
	Tapered, winged, steel, flush mount	S-26119-2L	S-26119-2R
	Standard, winged, steel, flush mount	S-27320-11L	S-27320-11R
	Standard, winged, steel, flush side mount	S-27320-23L	S-27320-23R
	Standard, wingless, steel	S-27320-17L	S-27320-17R
	Tapered, wingless, steel	S-26104-2L	S-26104-2R
	Standard, winged, stainless steel	S-36535-2L	S-36535-2R
16.0 17.0	Standard, winged, steel	S-27067-6L	S-27067-6R
	Tapered, winged, steel	S-26105-3L	S-26105-3R
	Standard, winged, steel, flush mount	S-27320-12L	S-27320-12R
	Standard, winged, steel, flush side mount	S-27320-24L	S-27320-24R
	Standard, wingless, steel	S-27320-18L	S-27320-18R
	Tapered, wingless, steel	S-26104-3L	S-26104-3R
	Standard, winged, stainless steel	S-36535-3L	S-36535-3R

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



2. BOLT-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PATTERN TYPE	UNIVERSAL BOLT-ON ¹	
		ROADSIDE	CURBSIDE
6.5 7.5	Standard - 1/2" countersunk ²	S-36561-1L	S-36561-1R
	Standard - 5/8" countersunk ²	S-36561-3L	S-36561-3R
	Pattern 1 - 5/8" countersunk ²	S-36561-5L	S-36561-5R
	Pattern 3 - 5/8" countersunk ²	S-36561-7L	S-36561-7R
8.0 9.0	Standard - 1/2" countersunk ²	S-36561-2L	S-36561-2R
	Standard - 5/8" countersunk ²	S-36561-4L	S-36561-4R
	Pattern 1 - 5/8" countersunk ²	S-36561-6L	S-36561-6R
	Pattern 3 - 5/8" countersunk ²	S-36561-8L	S-36561-8R
12.0	Standard - 1/2"	S-36562-1L	S-36562-1R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"	S-36562-2L	S-36562-2R
	Standard - 5/8"		
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
Pattern 3 - 5/8"			
14.0 15.0	Standard - 1/2"	S-36562-3L	S-36562-3R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"	S-36562-4L	S-36562-4R
	Standard - 5/8"		
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		
16.0 17.0	Standard - 1/2"	S-36562-5L	S-36562-5R
	Pattern 1 - 1/2"		
	Pattern 2 - 1/2"		
	Pattern 3 - 1/2"	S-36562-6L	S-36562-6R
	Standard - 5/8"		
	Pattern 1 - 5/8"		
	Pattern 2 - 5/8"		
	Pattern 3 - 5/8"		

1. As of May 2016, frame bracket mounting patterns 1, 2, 3 and standard have been replaced with the universal bolt-on frame bracket.

Please refer to page 293 for additional information about the frame bracket pattern types.

2. Countersunk frame brackets require a special bolt kit, S-30476-2/2 (1/2" bolt hole center) and S-30476-1/2 (5/8" bolt hole center). One kit per frame bracket.

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



INTRAAX® AAL 23K / 25K / 30K & AAEDL 30K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
		ROADSIDE	CURBSIDE
6.5 7.5	Standard, winged, steel	S-25401-2L	S-25401-2R
	Standard, wingless, steel	S-24767-1L	S-24767-1R
	Standard, winged, steel, chamfered ¹	S-25947-1L	S-25947-1R
8.0 9.0	Standard, winged, steel	S-25401-1L	S-25401-1R
	Standard, wingless, steel	S-24767-7L	S-24767-7R
12.0	Standard, winged, steel	S-24766-2L	S-24766-2R
	Standard, wingless, steel	S-24767-2L	S-24767-2R
14.0 15.0	Standard, winged, steel	S-24766-3L	S-24766-3R
	Standard, wingless, steel	S-24767-3L	S-24767-3R
	Standard, winged, stainless steel	S-38186-2L	S-38186-2R
16.0 17.0	Standard, winged, steel	S-24766-4L	S-24766-4R
	Standard, wingless, steel	S-24767-4L	S-24767-4R
	Standard, winged, stainless steel	S-38186-3L	S-38186-3R
19.0	Standard, winged, steel	S-24766-5L	S-24766-5R

2. BOLT-ON FRAME BRACKETS			
RIDE HEIGHT ² (INCHES)	PATTERN TYPE	UNIVERSAL BOLT-ON ³	
		ROADSIDE	CURBSIDE
6.5 7.5	Standard - 1/2" countersunk ⁴	S-36563-5L	S-36563-5R
	Standard - 5/8" countersunk ⁴	S-36563-6L	S-36563-6R
	Pattern 1 - 5/8" countersunk ⁴	S-36563-7L	S-36563-7R
	Pattern 3 - 5/8" countersunk ⁴	S-36563-8L	S-36563-8R
8.0 9.0	Standard - 1/2" countersunk ⁴	S-36563-1L	S-36563-1R
	Standard - 5/8" countersunk ⁴	S-36563-2L	S-36563-2R
	Pattern 1 - 5/8" countersunk ⁴	S-36563-3L	S-36563-3R
	Pattern 3 - 5/8" countersunk ⁴	S-36563-4L	S-36563-4R
12.0	Standard - 1/2"	S-36564-1L	S-36564-1R
	Standard - 5/8"	S-36564-2L	S-36564-2R
	Pattern 1 - 5/8"		
	Pattern 3 - 5/8"		
14.0 15.0	Standard - 1/2"	S-36564-3L	S-36564-3R
	Standard - 5/8"	S-36564-4L	S-36564-4R
	Pattern 1 - 5/8"		
	Pattern 3 - 5/8"		
16.0 17.0	Standard - 1/2"	S-36565-1L	S-36565-1R
	Standard - 5/8"	S-36565-2L	S-36565-2R
	Pattern 3 - 5/8"		
19.0	Standard - 1/2"	S-36565-3L	S-36565-3R
	Standard - 5/8"	S-36565-4L	S-36565-4R
	Pattern 3 - 5/8"		

1. Not available on INTRAAX AAEDL 30K models.
 2. Ride Heights 6.5 & 7.5 inches not available on AAEDL 30K models.
 3. As of May 2016, frame bracket mounting patterns 1, 2, 3 and standard have been replaced with the universal bolt-on frame bracket. Please refer to page 293 for additional information about the frame bracket pattern types.
 4. Countersunk frame brackets require a special bolt kit, S-30476-2/2 (1/2" bolt hole center) and S-30476-1/2 (5/8" bolt hole center). One kit per frame bracket.
 NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



VANTRAAX® HKANT 23K / 40K / 46K / 69K23

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
14.0	8.0	S-28531-1L	S-28531-1R
15.0 15.5 16.0 17.0 17.5	10.0	S-32194-2L	S-32194-2R
18.0 19.0	12.0	S-28531-3L	S-28531-3R

VANTRAAX HKAT 50K / 69K25 / 75K25

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
13.5 14.0 15.0	8.0	D-21807-1	D-21807-2
15.5 16.0 17.0	10.0	S-32195-2L	S-32195-2R
17.5 18.0 19.0	12.0	S-32195-3L	S-32195-3R

VANTRAAX HKANT 40K / 46K / 69K23 Equipped with Hendrickson-Installed UBL™

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
16.0 17.5	10	S-37787-2L	S-37787-2R

VANTRAAX HKANL 23K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
16.0 17.0	12.0	S-27067-6L	S-27067-6R

VANTRAAX HKAL 46K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
10.0	8.0	S-26067-1L	S-26067-1R
11.0	10.0	S-33173-2L	S-33173-2R

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



VANTRAA[®] HKARL 46K

1. WELD-ON FRAME BRACKETS			
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PART NUMBER	
		ROADSIDE	CURBSIDE
9.0 10.0	8.0	S-26067-1L	S-26067-1R
11.0 12.0	10.0	S-33173-2L	S-33173-2R

CONNEX[®] ST CXSL 25K

1. WELD-ON FRAME BRACKETS				
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
13.0 14.0 15.0	8.0	Winged Wingless	S-21179-1 S-21590-1	S-21179-2 S-21590-2
16.0 17.0	10.0	Winged Wingless	S-21165-1 S-21592-1	S-21165-2 S-21592-2
18.0 19.0	12.0	Winged Wingless	S-21265-1 S-22828-3	S-21265-2 S-22828-4

2. BOLT-ON FRAME BRACKETS					
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PATTERN TYPE	DESCRIPTION	UNIVERSAL BOLT-ON	
				ROADSIDE	CURBSIDE
13.0 14.0 15.0	8.0	Standard - 5/8" Offset - 5/8"	Winged	S-36234-1L	S-36234-1R
16.0 17.0	10.0	Standard - 5/8" Offset - 5/8"		S-36234-2L	S-36234-2R
18.0 19.0	12.0	Standard - 5/8" Offset - 5/8"		S-36234-3L	S-36234-3R
				S-36714-1L	S-36714-1R
				S-36714-2L	S-36714-2R
				S-36714-3L	S-36714-3R

CONNEX CXU 23K / 25K

1. WELD-ON FRAME BRACKETS				
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
5.5 6.5	8.0	Standard travel and wingless	S-22826-1	S-22826-2
6.5	10.0	Limited jounce and wingless	S-22826-1	S-22826-2
7.5		Limited jounce and wingless	S-22827-1	S-22827-2
7.5 9.0		Standard travel and wingless	S-22827-1	S-22827-2

2. BOLT-ON FRAME BRACKETS					
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PATTERN TYPE	DESCRIPTION	UNIVERSAL BOLT-ON	
				ROADSIDE	CURBSIDE
5.5 6.5	8.375	Standard - 5/8" Pattern 8 - 5/8"	Standard travel and wingless	S-37505-1L S-37505-21L	S-37505-1R S-37505-21R

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT190T

1. WELD-ON FRAME BRACKETS					DESCRIPTION	PART NUMBER	
MODELS						ROADSIDE	CURBSIDE
T-14-001	T-14-002	T-14-005	T-14-009	T-15-001	Wingless, Weld Align	S-20064-1	S-20064-2
T-15-002	T-15-005	T-15-009	T-15-020				
T-16-001	T-16-002	T-16-003	T-16-005	T-16-009	Wingless, Weld Align	S-20065-1	S-20065-2
T-17-001	T-17-002	T-17-005	T-17-009				
TA14-001	TA14-005	TA15-005			Winged, QUIK-ALIGN®	S-21179-1	S-21179-2
TA16-005	TA17-005				Winged, QUIK-ALIGN	S-21165-1	S-21165-2
TB14-001	TB14-005	TB14-024	TB15-001	TB15-002	Wingless, QUIK-ALIGN	S-21590-1	S-21590-2
TB15-005	TB15-024						
TB16-001	TB16-005	TB17-005			Wingless, QUIK-ALIGN	S-21592-1	S-21592-2

HT HT230T

1. WELD-ON FRAME BRACKETS					DESCRIPTION	PART NUMBER	
MODELS						ROADSIDE	CURBSIDE
-14-008	-15-008	-15-025			Wingless, Weld Align	S-20047-1	S-20047-2
-16-008	-17-008				Wingless, Weld Align	S-20048-1	S-20048-2
-14-001	-14-004	-14-005	-14-007	-14-017	Wingless, Weld Align	S-20064-1	S-20064-2
-14-020	-14-021	-14-024	-15-001	-15-003			
-15-005	-15-006	-15-007	-15-009	-15-012			
-15-017	-15-020	-15-026	-15-027	-15-028			
-15-517							
-16-001	-16-004	-16-005	-16-006	-16-007	Wingless, Weld Align	S-20065-1	S-20065-2
-16-009	-16-024	-16-026	-17-001	-17-003			
-17-005	-17-006	-17-007	-17-009	-17-012			
-17-017	-17-022	-17-023	-17-024	-17-026			
-17-517							
-19-001	-1T9-027				Wingless, Weld Align	S-14190-1	S-14190-2
TA15-525	TA16-001	TA16-004	TA16-007	TA17-001	Winged, QUIK-ALIGN	S-21165-1	S-21165-2
TA17-003	TA17-007	TA17-013	TA17-026	TA17-517			
TA17-522							
TA14-001	TA14-004	TA14-007	TA14-020	TA14-021	Winged, QUIK-ALIGN	S-21179-1	S-21179-2
TA14-520	TA14-601	TA14-701	TA15-001	TA15-003			
TA15-007	TA15-009	TA15-012	TA15-016	TA15-018			
TA15-026	TA15-517	TA15-522	TA15-523	TA15-524			
TA15-601	TA15-701						

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT230T

1. WELD-ON FRAME BRACKETS (continued)				
MODELS		DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
TA15-016		Winged, QUIK-ALIGN®	S-21179-3	S-21179-4
TA19-001		Winged, QUIK-ALIGN	S-21193-1	S-21193-2
TA14-008	TA15-008	TA15-025	S-21249-1	S-21249-2
TA17-008		Winged, QUIK-ALIGN	S-21250-1	S-21250-2
TB14-001	TB14-021	TB14-022	TB14-024	TB14-701
TB15-001	TB15-003	TB15-009	TB15-020	TB15-026
TB15-027	TB15-028		S-21590-1	S-21590-2
TB14-033	TB16-001	TB16-004	TB16-024	TB16-026
TB17-001	TB17-003	TB17-009	TB17-024	TB17-026
TB15-025		Wingless, QUIK-ALIGN	S-21592-1	S-21592-2
TB19-001		Wingless, QUIK-ALIGN	S-22420-1	S-22420-2
TB19-001		Wingless, QUIK-ALIGN	S-23461-1	S-23461-2

2. BOLT-ON FRAME BRACKETS				
MODELS		DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
-14-002	-14-011	-15-002	-15-004	-15-011
-15-032	-16-021		S-20007-1	S-20007-2
-16-002	-16-010	-17-002	-17-004	-17-011
-17-032	-19-004		S-20008-1	S-20008-2
-19-002		Wingless, Weld Align	S-20190-1	S-20190-2
TA14-002		TA15-002	TA15-004	Wingless, Weld Align
TA16-002		TA17-002		S-20396-1
-18-052		Winged, QUIK-ALIGN	S-21204-1	S-21204-2
TA14-070		TA15-071	TB14-070	Winged, QUIK-ALIGN
TA15-036		Winged, Weld Align		S-21205-1
TB14-002		TB15-002		S-21332-1
TB16-002		TB17-002	TB18-002	S-21332-2
TB14-071		TB15-071		S-25812-1
TC14-060		TC15-060	TC15-062	Winged, QUIK-ALIGN
TC16-060		TC17-060	TC18-060	S-24912-1
TC18-062		Wingless, QUIK-ALIGN		S-24912-2
TC19-060		TC19-062		S-22137-1
TC14-061		TC15-061	TC15-063	S-22137-2
TC16-061		TC17-061	TC18-061	Wingless, QUIK-ALIGN
TC18-063		TC16-063	TC17-063	S-22138-1
TC19-062		Wingless, QUIK-ALIGN		S-22138-2
TC14-061		TC15-061	TC15-063	S-25494-1
TC16-061		TC17-061	TC18-061	S-24177-1
TC18-063		TC16-063	TC17-063	S-24177-2
TC19-062		Wingless, QUIK-ALIGN		S-24178-1
TC14-061		TC15-061	TC15-063	S-24178-2
TC16-061		TC17-061	TC18-061	S-24181-1
TC18-063		TC16-063	TC17-063	S-24181-2
TC19-062		Wingless, QUIK-ALIGN		S-24179-1
TC14-061		TC15-061	TC15-063	S-24179-2
TC16-061		TC17-061	TC18-061	S-24180-1
TC18-063		TC16-063	TC17-063	S-24180-2
TC19-062		Wingless, QUIK-ALIGN		S-24180-1

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT250T

1. WELD-ON FRAME BRACKETS					DESCRIPTION	PART NUMBER	
MODELS						ROADSIDE	CURBSIDE
T-12-001	T-12-003	T-12-006	T-12-020	T-14-001	Wingless, Weld Align	S-20064-1	S-20064-2
T-14-003	T-14-006	T-14-021	T-15-001	T-15-006			
T-15-021	T-15-022	T-15-023	T-15-026				
T-16-001	T-16-003	T-16-006	T-16-021	T-16-022	Wingless, Weld Align	S-20065-1	S-20065-2
T-17-001	T-17-006	T-17-020	T-17-021	T-17-022			
T-17-023	T-17-501						
T-19-001					Wingless, Weld Align	S-14190-1	S-14190-2
T-16-016					Wingless, Weld Align	S-21040-1	S-21040-2
TA19-001					Winged, QUIK-ALIGN®	S-21193-1	S-21193-2
TA12-001	TA14-001	TA14-021	TA15-001	TA15-021	Winged, QUIK-ALIGN	S-21179-1	S-21179-2
TA16-001	TA16-021	TA17-001	TA17-020	TA17-021	Winged, QUIK-ALIGN	S-21165-1	S-21165-2
TA14-016					Winged, QUIK-ALIGN	S-21179-3	S-21179-4
TB12-001	TB12-003	TB12-024	TB12-029	TB14-001	Wingless, QUIK-ALIGN	S-21590-1	S-21590-2
TB14-003	TB14-015	TB14-021	TB14-022	TB14-024			
TB15-001	TB15-021	TB15-023	TB15-024	TB15-025			
TB15-026							
TB16-001	TB16-020	TB16-021	TB16-022	TB16-023	Wingless, QUIK-ALIGN	S-21592-1	S-21592-2
TB16-024	TB16-026	TB17-001	TB17-020	TB17-021			
TB17-024	TB17-026	TB17-027	TB17-028				
TB19-001					Wingless, QUIK-ALIGN	S-23461-1	S-23461-2

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® SERIES HT250T

2. BOLT-ON FRAME BRACKETS					
MODELS			DESCRIPTION	PART NUMBER	
				ROADSIDE	CURBSIDE
T-16-002	T-17-002		Wingless, Weld Align	S-20008-1	S-20008-2
T-19-002	T-19-004		Wingless, Weld Align	S-20396-1	S-20396-2
T-12-002	T-14-002	T-15-002	Wingless, Weld Align	S-20007-1	S-20007-2
T-15-025			Wingless, Weld Align	S-20047-1 ⁵	S-20047-2 ⁵
TA12-002	TA14-002	TA15-002	Winged, QUIK-ALIGN®	S-21204-1	S-21204-2
TA16-002	TA17-002		Winged, QUIK-ALIGN	S-21205-1	S-21205-2
TA14-070			Winged, QUIK-ALIGN	S-25812-1	S-25812-2
TB12-002			Wingless, QUIK-ALIGN	S-22137-1	S-22137-2
TB14-071			Wingless, QUIK-ALIGN	S-25494-1	S-25494-2
TB15-036			Wingless, QUIK-ALIGN	S-25109-1	S-25109-2

5. Trailer manufacturer or OEM supplied bolt-on mounting plate.

HT SERIES HT300T

1. WELD-ON FRAME BRACKETS								
MODELS						DESCRIPTION	PART NUMBER	
							ROADSIDE	CURBSIDE
-15-001	-15-005	-15-007	-15-017	-15-024	-15-501	Wingless, Weld Align	S-20196-1	S-20196-2
-15-518	-15-701							
-17-001	-17-005	-17-007	-17-024	-17-501		Wingless, Weld Align	S-20197-1	S-20197-2
-17-518	-17-701							
-15-016						Wingless, Weld Align	S-20286-1	S-20286-2
-17-003	-17-012	-17-019	-17-503	-17-520		Wingless, Weld Align	S-20065-1	S-20065-2
-17-025						Wingless, Weld Align	S-21123-1	S-21123-2
-19-001						Wingless, Weld Align	S-14190-1	S-14190-2
-21-003						Wingless, Weld Align	S-21454-1	S-21454-2
-23-001						Wingless, Weld Align	S-21150-1	S-21150-2
-15-021	-15-025					Wingless, Weld Align	S-21122-1	S-21122-2
TB15-001	TB15-023	TB15-024	TB15-027	TB15-518		Wingless, QUIK-ALIGN	S-23790-1	S-23790-2
TB17-001	TB17-024					Wingless, QUIK-ALIGN	S-24635-1	S-24635-2
TB19-007	TB19-020					Wingless, QUIK-ALIGN	S-23461-1	S-23461-2
TB15-016						Wingless, QUIK-ALIGN	S-23797-1	S-23797-2
TB16-026	TB17-003					Wingless, QUIK-ALIGN	S-21592-1	S-21592-2

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



2. BOLT-ON FRAME BRACKETS				
MODELS		DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
-23-002		Wingless, Weld Align	S-22073-1	S-22073-2
-17-022		Wingless, Weld Align	S-22281-1	S-22281-2
-17-004		Wingless, Weld Align	S-20008-1	S-20008-2
TA15-070		Winged, QUIK-ALIGN®	S-25461-1	S-25461-2
TA15-036		Winged, QUIK-ALIGN	S-25618-1	S-25618-2
TA17-070		Winged, QUIK-ALIGN	S-25462-1	S-25462-2
TC15-060		Wingless, QUIK-ALIGN	S-24220-1	S-24220-2
TC15-061		Wingless, QUIK-ALIGN	S-24226-1	S-24226-2
TB17-022		Wingless, QUIK-ALIGN	S-23512-1	S-23512-2
TC17-060		Wingless, QUIK-ALIGN	S-24222-1	S-24222-2
TC17-061		Wingless, QUIK-ALIGN	S-24228-1	S-24228-2
TC19-060 TC19-062		Wingless, QUIK-ALIGN	S-24181-1	S-24181-2
TC19-061 TC19-063		Wingless, QUIK-ALIGN	S-24251-1	S-24251-2
TC15-060 TC15-064		Wingless, Weld Align	S-24220-1	S-24220-2
TC17-060 TC17-064 TC17-062 TC17-066		Wingless, Weld Align	S-24222-1	S-24222-2
TC19-060 TC19-064 TC19-062 TC19-066		Wingless, Weld Align	S-24181-1	S-24181-2
TC15-061 TC15-065		Wingless, Weld Align	S-24226-1	S-24226-2
TC17-061 TC17-065 TC17-063 TC17-067		Wingless, Weld Align	S-24228-1	S-24228-2
TC19-061 TC19-065 TC19-063 TC19-067		Wingless, Weld Align	S-24251-1	S-24251-2

HT® HT190U

1. WELD-ON FRAME BRACKETS							
MODELS					DESCRIPTION	PART NUMBER	
						ROADSIDE	CURBSIDE
U-9-001	U-9-007	U-9-020	U-9-022	U-9-024	Wingless, Weld Align	S-20211	S-20065-2
U-6-020	U-7-001	U-7-020	U-7-024		Wingless, Weld Align	S-20216	S-20064-2
U-7.5-001	U-7.5-020	U-7.5-501	U-7.5-517				
U-6.75-001	U-6.75-002	U-6.75-003	U-6.75-020	U-7-021	Wingless, Weld Align	S-20222	S-20222
U-12-001					Wingless, Weld align	S-15188-1	S-14190-2
U-12-031					Wingless, Weld align	S-14959-1	S-14959-2
UB6-020	UB6-030	UB7-001	UB7-020		Wingless, QUIK-ALIGN	S-22580	S-21590-2
UB7-021	UB7.5-001	UB7.5-020					
UB9-001	UB9-020				Wingless, QUIK-ALIGN	S-22601	S-21592-2
UB12-001					Wingless, QUIK-ALIGN	S-23265-1	S-23461-2

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT250U

1. WELD-ON FRAME BRACKETS							
HARD BILLS HT250U DASH #S							
MODELS					DESCRIPTION	PART NUMBER	
						ROADSIDE	CURBSIDE
U-6.5-001	U-6.5-008	U-6.5-011	U-6.5-020	U-6.5-021	Wingless, Weld Align	S-20321-1	S-20321-2
U-6.5-027	U-6.5-517	U-7.5-005	U-7.5-005				
U-7.5-001	U-7.5-002	U-7.5-003	U-7.5-008	U-7.5-017	Wingless, Weld Align	S-20322-1	S-20322-2
U-7.5-027	U-7.5-517	U-9-001	U-9-002	U-9-003			
U-9-004	U-9-006	U-9-008	U-9-010	U-9-022			
U-9-024	U-9-025	U-9-027	U-9-028	U-9-029			
U-9-517							
U-12-002	U-14-001	U-14-006	U-14-008	U-14-024	Wingless, Weld Align	S-20324-1	S-20324-2
U-14-026	U-14-028	U-14-517					
U-12-001	U-12-006	U-12-008	U-12-026	U-12-517	Wingless, Weld Align	S-20323-1	S-20323-2
U-6.5-002	U-6.5-003	U-6.5-022			Wingless, Weld Align	S-20717-1	S-20717-2
U-9-020	U-9-021	U-9-023	U-15-022		Wingless, Weld Align	S-23860-3	S-23860-4
U-6.5-024					Wingless, Weld Align	S-22663-1	S-22663-2
UB14-001	UB14-006	UB14-023	UB14-027	UB14-028	Wingless, QUIK-ALIGN®	S-22634-1	S-22634-2
UB12-001	UB12-006	UB12-027	UB12-028		Wingless, QUIK-ALIGN	S-21688-1	S-21688-2
UB9-022	UB15-022				Wingless, QUIK-ALIGN	S-23859-1	S-23859-2
UB7.5-001	UB7.5-517	UB7.5-522	UB9-001	UB9-002	Wingless, QUIK-ALIGN	S-21926-1	S-21926-2
UB9-003	UB9-004	UB9-0010	UB9-013	UB9-522			
UB6.5-001	UB6.5-022	UB6.5-517	UB7.5-005		Wingless, QUIK-ALIGN	S-21927-1	S-21927-2
UB6.5-002					Wingless, QUIK-ALIGN	S-22581-1	S-22581-2
UB15-022					Wingless, QUIK-ALIGN	S-23859-1	S-23859-2
UB6.5-DB1	7.5-DB1	UB7.5-DB2	UB9-DB1	UB9-DB2	Wingless, QUIK-ALIGN	S-22826-3	S-22826-4
UB9-DB020	UB9-DB021	UB9-4DB1					
CONFIGURED HT250UB DOT #S							
RIDE HEIGHT (INCHES)		PIVOT HEIGHT (INCHES)		DESCRIPTION	PART NUMBER		
					ROADSIDE	CURBSIDE	
6.5							
7.5		8.0			S-22826-3	S-22826-4	
9.0							

2. BOLT-ON FRAME BRACKETS							
HARD BILLS HT250U DASH #S							
MODELS					DESCRIPTION	PART NUMBER	
						ROADSIDE	CURBSIDE
U-12-007					Wingless, Weld Align	S-20337-1	S-20337-2
U-6.5-007					Wingless, Weld Align	S-20326-1	S-20326-2
U-7.5-007	U-9-007				Wingless, Weld Align	S-20327-1	S-20327-2
CONFIGURED HT250UB DOT #S							
RIDE HEIGHT (INCHES)		PIVOT HEIGHT (INCHES)		DESCRIPTION	PART NUMBER		
					ROADSIDE	CURBSIDE	
6.5							
7.5		8.0			S-33061-11L	S-33061-11R	
9.0							

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT250US

1. WELD-ON FRAME BRACKETS				
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
3.5 4.0	4.5	Standard travel and shock mount	S-23848-1	S-23848-2
5.5 6.5	8.0	Standard travel and shock mount	S-22826-1	S-22826-2
		Standard travel and remote shock mount	S-22826-3	S-22826-4
6.5	10.0	Limited jounce and std. shock mount	S-22827-1	S-22827-2
	8.0	Extended rebound travel and std. shock mount	S-23166-1	S-23166-2
		Extended rebound travel and remote shock mount	S-22826-3	S-22826-4
		12 degree angled, standard travel and shock mount	S-22680-1	S-22680-2
7.5	8.0	6 degree rotated, standard travel and shock mount	S-22826-1	S-22826-2
		12 degree angled, standard travel and remote shock mount	S-29985-1	S-29985-2
7.5 9.0	10.0	Standard travel, limited jounce and std. shock mount	S-22827-1	S-22827-2
		Standard travel, limited jounce and remote shock mount	S-22827-3	S-22827-4
12.0	12.0	Standard travel and shock mount	S-22828-1	S-22828-2
		Standard travel and remote shock mount	S-22828-3	S-22828-4
	14.0	Limited jounce and std. shock mount	S-22829-1	S-22829-2
14.0	14.0	Standard travel and shock mount	S-22829-1	S-22829-2
		Frame clearance, standard travel and shock mount	S-23271-1	S-23271-2
	12.0	Standard travel and remote shock mount	S-22829-3	S-22829-4

2. BOLT-ON FRAME BRACKETS					
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PATTERN TYPE	DESCRIPTION	PART NUMBER	
				ROADSIDE	CURBSIDE
5.5 6.5	8.375	Standard - 1/2"	Standard travel and shock mount	S-23009-1	S-23009-2
		Standard - 5/8"		S-33061-1L	S-33061-1R
		Standard - 5/8"	Extended rebound and remote shock mount	S-33061-11L	S-33061-11R
6.5 7.5 9.0	10.375	Standard - 1/2"	Limited jounce	S-23010-1	S-23010-2
		Standard - 5/8"		S-33061-2L	S-33061-2R
7.5 9.0	10.375	Standard - 1/2"	Standard travel	S-23010-1	S-23010-2
		Standard - 5/8"		S-33061-2L	S-33061-2R
12.0	12.5	Standard - 1/2"	Standard travel	S-23011-1	S-23011-2
		Standard - 5/8"		S-33061-3L	S-33061-3R
	14.5	Standard - 1/2"	Limited jounce	S-23012-1	S-23012-2
		Standard - 5/8"		S-33061-4L	S-33061-4R
14.0	14.5	Standard - 1/2"	Standard travel	S-23012-1	S-23012-2
		Standard - 5/8"		S-33061-4L	S-33061-4R

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



HT® HT300U

1. WELD-ON FRAME BRACKETS							
MODELS					DESCRIPTION	PART NUMBER	
						ROADSIDE	CURBSIDE
U-7.5-001	U-7.5-501	U-7.5-519	U-9-001	U-9-005	Wingless, Weld Align	S-20268-1	S-20268-2
U-9-011	U-9-020	U-9-024	U-9-501	U-9-519			
U-9-701							
U-12-001	U-12-005	U-12-011	U-12-015	U-12-024	Wingless, Weld Align	S-20269-1	S-20269-2
U-14-001	U-14-005	U-14-011	U-14-015	U-14-022	Wingless, Weld Align	S-20270-1	S-20270-2
U-14-023	U-14-701						
U-17-001	U-17-011	U-17-024			Wingless, Weld Align	S-20271-1	S-20271-2
U-14-020					Wingless, Weld Align	S-22777-1	S-22777-2
U-9-021					Wingless, Weld Align	S-22779-1	S-22779-2
U-15-011					Wingless, Weld Align	S-22511-1	S-22511-2
U-17-020					Wingless, Weld Align	S-20914-1	S-20914-2
U-17-021					Wingless, Weld Align	D-21367-1	D-21367-2
U-14-021					Wingless, Weld Align	S-21380-1	S-21380-2
U-12-020					Wingless, Weld Align	S-22778-1	S-22778-2
U-9-022					Wingless, Weld Align	S-23408-1	S-23408-2
UB9-022					Wingless, QUIK-ALIGN®	S-24183-1	S-24183-2
UB14-022					Wingless, QUIK-ALIGN	S-29354-1	S-29354-2

HT HT300US

1. WELD-ON FRAME BRACKETS				
RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	DESCRIPTION	PART NUMBER	
			ROADSIDE	CURBSIDE
5.5	8.0	Standard travel and shock mount	S-22826-1	S-22826-2
		Standard travel and remote shock mount	S-22826-3	S-22826-4
6.5	8.0	Standard travel and std. shock mount	S-22826-1	S-22826-2
		Limited jounce, std. shock mount	S-22826-3	S-22826-4
	10.0	Extended rebound travel and std. shock mount	S-23166-1	S-23166-2
7.5 9.0	10.0	Standard travel, limited jounce and std. shock mount	S-22827-1	S-22827-2
		Standard travel, limited jounce and remote shock mount	S-22827-3	S-22827-4
12.0	12.0	Standard travel, limited jounce and std. shock mount	S-22828-1	S-22828-2
		Standard travel, limited jounce and remote shock mount	S-22828-3	S-22828-4
14.0	14.0	Standard travel, limited jounce and std. shock mount	S-22829-1	S-22829-2
		Standard travel, limited jounce and remote shock mount	S-22829-3	S-22829-4
17.0	17.0	Standard travel, limited jounce and std. shock mount	S-28470-1	S-28470-2
		Standard travel, limited jounce and remote shock mount	S-28470-3	S-28470-4

NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



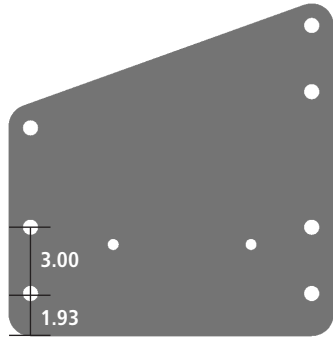
2. BOLT-ON FRAME BRACKETS

RIDE HEIGHT (INCHES)	PIVOT HEIGHT (INCHES)	PATTERN TYPE	DESCRIPTION	PART NUMBER	
				ROADSIDE	CURBSIDE
5.5 6.5	8.375	Standard - 5/8"	Standard travel and shock mount	S-33061-1L	S-33061-1R
6.5	8.375		Limited jounce and std. shock mount	S-33061-1L	S-33061-1R
7.5 9.0	10.375		Standard travel, limited jounce and std. shock mount	S-33061-2L	S-33061-2R
12.0	12.5		Standard travel and std. shock mount	S-33061-3L	S-33061-3R

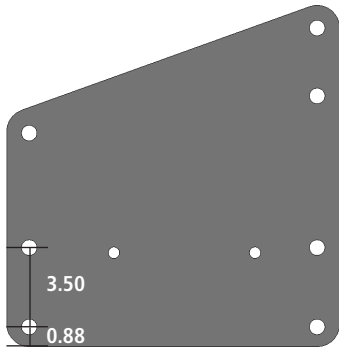
NOTE: All part numbers listed are coated with black primer. Other options may exist. Please contact Hendrickson for assistance.



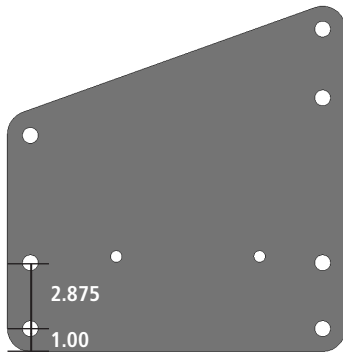
FRAME BRACKET TOP PLATE PATTERN



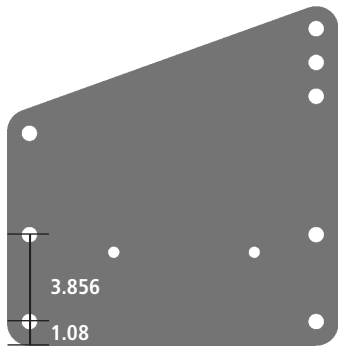
Standard



Pattern 1



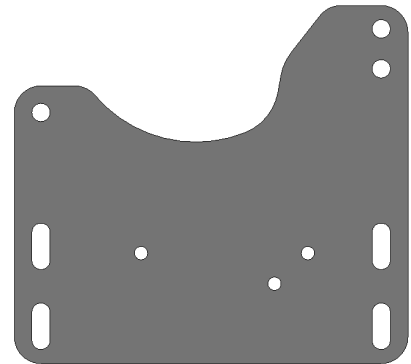
Pattern 2



Pattern 3



Replace with



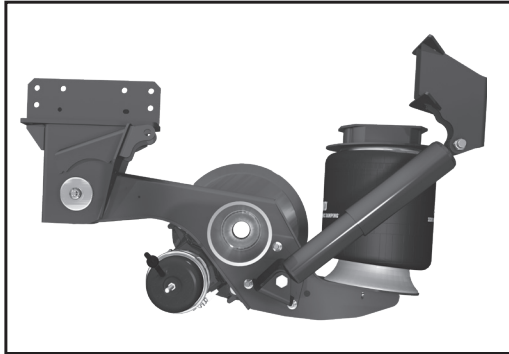
Universal bolt-on

Note: Universal bolt-on frame brackets replace standard, pattern 1, pattern 2 and pattern 3 bolt-on frame brackets as of May 2016.

See D-26651 INTRAAX Bolt-on Mounting Drawing for universal bolt-on and other frame bracket pattern specifications.

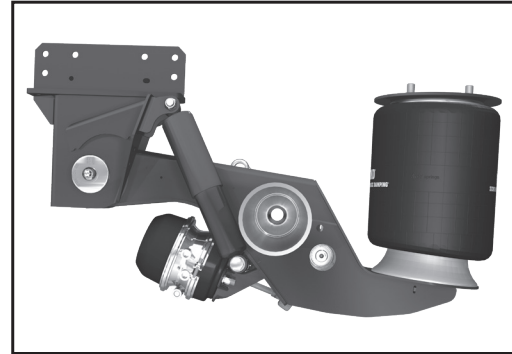
Shock straps for INTRAAX® suspension systems are available only for Hendrickson's front mounted shock absorbers. Rear shock absorbers are required for low-ride suspensions (AANL 23K, AAL 25K, etc) that are specified with air disc brakes; there are no shock straps available for these suspensions.

**Rear Mounted Shock Absorbers
Hendrickson MAXX22T™ Air Disc Brakes**



Shock Straps Not Available

**Forward Mounted Shock Absorbers
Drum Brakes**



Shock Straps Available

INTRAAX® AANT 23K & AAT 23K / 25K / 30K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All	Standard	S-23566	2	S-23086-1	1
	Extended Service w/ High Damping	S-24023	2	S-23086-2	1
	Limited Rebound	S-23361	2	S-23086-7	1
	Australia Road Friendly	S-21699	2	S-23086-2	1

INTRAAX AANT 23K WITH HIGH CONTROL

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
13	Standard	S-23651	2	S-23086-4	1
	Extended Service w/ High Damping	S-24579	2	S-23086-8	1
13.5 – 17	Standard	S-23361	2	S-23086-7	1
17	Australia Road Friendly	S-21699	2	S-23086-2	1

INTRAAX AANL 23K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK MOUNTING	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
6.5 – 7.5	Extended Service w/ High Damping	Rear	S-20345	2	-	-
6.5 – 9	Standard	Front	S-23651	2	S-23086-4	1
	Extended Service w/ High Damping	Front	S-24579	2	S-23086-8	1
8 – 12	Extended Service w/ High Damping	Rear	S-25436	2	-	-
12 – 17	Extended Service w/ High Damping	Front	S-25515	2	S-23086-12	1
13 – 17	Extended Service w/ High Damping	Rear	S-25437	2	-	-



INTRAAX® AAL 23K / 25K / 30K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK MOUNTING	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
6.5 – 7.5	Extended Service w/ High Damping	Rear	S-20345	2	-	-
6.5 – 9	Standard	Front	S-23651	2	S-23086-4	1
	Extended Service w/ High Damping	Front	S-24579	2	S-23086-8	1
8 – 12	Extended Service w/ High Damping	Rear	S-25436	2	-	-
12	Standard	Front	S-23566	2	S-23086-1	1
	Extended Service w/ High Damping	Front	S-24023	2	S-23086-2	1
14 – 19	Extended Service w/ High Damping	Rear	S-25437	2	-	-
	Standard	Front	S-2212	2	S-23086-6	1
	Extended Service w/ High Damping	Front	S-23316	2		1

INTRAAX AANLS 20K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK MOUNTING	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
6.25 – 7	Extended Service w/ High Damping	Rear	S-25515	2	-	-
6.5 – 9	Standard	Front	S-23651	2	S-23086-4	1
	Extended Service w/ High Damping	Front	S-24579	2	S-23086-8	1
9	Extended Service w/ High Damping	Rear	S-23316	2	-	-
12	Standard	Front	S-23566	2	S-23086-1	1
	Extended Service w/ High Damping	Front	S-24023	2	S-23086-2	1
	Extended Service w/ High Damping	Rear	S-20345	2	-	-

INTRAAX AAEDT 30K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK MOUNTING	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
14	Extended Service w/ High Damping	Front	S-23316	2	S-23086-6	1
14 - 15	Extended Service w/ High Damping	Rear	S-25436	2	-	-
15 - 17	Extended Service w/ High Damping	Front	S-25515	2	S-23086-12	1
16 - 17	Extended Service w/ High Damping	Rear	S-25512	2	-	-

INTRAAX AAEDL 30K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK MOUNTING	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
9	Extended Service w/ High Damping	Front	S-24579	2	S-23086-8	1
9 - 12	Extended Service w/ High Damping	Rear	S-25436	2	-	-
12	Extended Service w/ High Damping	Front	S-24023	2	S-23086-2	1
14 - 19	Extended Service w/ High Damping	Rear	S-25437	2	-	-
	Extended Service w/ High Damping	Front	S-23316	2	S-23086-6	1

**HT® HT190T & HT190U**

MODEL	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All	Standard	S-20001	2	S-14587-1	1

HT SERIES HT230T

MODEL	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE		
All models except below	Standard	S-20002	2	S-14587-1	1		
-14-007 -15-007 -15-028 -17-007 -17-032 TA15-011 TA17-007	-14-011 -15-011 -15-032 -17-011 -17-012 TA14-007 TA15-007 TA15-012 TA16-007 TB14-033 TB15-028	-14-032 -15-012 -16-007 -17-012	Standard	S-2160	2	S-14587-2	1
-14-017 -17-017 TA15-517	-15-017 -17-517 TA14-520 TA17-517	-15-517	Standard	S-20126	2	S-14587-8	1
-14-020 TB14-021	-14-021	AT14-021	Standard	S-2212	2	S-14587-3	1
TA14-020			Standard	S-23361	2	S-14587-3	1
TA15-522 TA17-522	TA15-524	TA15-525	Standard	S-21699	2	S-23086-2	1
-16-021			Standard	S-2218	2	S-14587-5	1

HT HT250T

MODEL	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All models except below	Standard	S-2212	2	S-14587-3	1
HT250TB14-015	Standard	S-2160	2	S-14587-2	1

HT HT300T

MODEL	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE		
All models except below	Standard	S-20126	2	S-14587-8	1		
-15-007 -17-007 TB19-007	-15-011 -17-011 TB19-020	-15-012 -17-012	Standard	S-2160	2	S-14587-2	1
-15-017 -17-520	-15-518	-17-518	Standard	S-21553	2	S-14587-8	1
TB15-027			Standard	S-24579	2	S-23086-8	1
TB15-518			Standard	S-21699	2	S-23086-2	1



HT® HT190U

MODEL			SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All models except below			Standard	S-20126	2	S-14587-8	1
U-6-020	U-7-001	U-7-020	Standard	S-20001	2	S-14587-1	1
U-7-021	U-7-024	U-7.5-001					
U-7.5-020	U-7.5-501	U-9-001					
U-9-003	U-9-003	U-9-020					
U-9-024	U-9-030	U-12-001					
U-12-030	U-12-031	UB6-020					
UB6-022	UB6-030	UB7-001					
UB7-020	UB7.5-001	UB7.5-020					
UB9-001	UB9-020	UB12-001					
UB12-003							
U-7.5-517			Standard	S-20002	2	S-14587-1	1
U-6.75-001	U-6.75-002	U-6.75-003	Standard	S-2212	2	S-14587-3	1
U-6.75-020							
U-9-022	UB7-021		Standard	S-23649	2	S-23086-5	1

HT HT250U

MODEL			SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
NON-CONFIGURED MODEL NUMBERS (HT250U-XX OR HT250UBXX-)							
All models except below			Standard	S-20002	2	S-14587-1	1
U-6.5-027	U-9-027	U-9-028	Standard	S-21553	2	S-14587-8	1
U-14-028	UB6.5-522	U-7.5-027					
UB7.5-522	UB9-522	UB12-027					
UB12-028	UB14-027	UB14-028					
U-7.5-021	U-7.5-022	U-7.5-521	Standard	S-1667	2	S-14587-1	1
U-9-020	U-9-021	U-9-023	Standard	S-2212	2	S-14587-3	1
U-9.2-026	U-15-022	UB9-022					
UB15-022							
U-6.5-517	U-7.5-017	U-7.5-517	Standard	S-20126	2	S-14587-8	1
U-9-517	U-12-517	U-14-517					
UB6.5-517	UB7.5-517						
U-6.5-030	U-6.5-031		Standard	S-2160	2	S-14587-2	1
UB7.5-DB1	UB7.5-DB2	UB9-DB1	Standard	S-23649	2	S-14587-11	1
UB9-DB2	UB9-DB020	UB9-DB021					
UB9-4DB1							
UB6.5-DB1							
			Standard	S-23650	2	S-14587-9	1

RIDE HEIGHT	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY PER AXLE
CONFIGURED MODEL NUMBERS (HT250UB.XXX)					
6.5,7.5	Standard	S-23649	2	S-14587-11	1
9	Standard	S-20002	2	S-14587-1	1



HT® HT300U

MODEL			SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
U-7.5-001	U-7.5-501	U-9-001	Standard	S-20126	2	S-14587-8	1
U-9-005	U-9-020	U-9-021					
U-9-022	U-9-024	U-9-501					
U-9-701	U-12-001	U-12-005					
U-12-020	U-12-024	U-14-001					
U-14-005	U-14-020	U-14-021					
U-14-022	U-14-023	U-14-701					
U-15-011	U-17-001	U-17-020					
U-17-021	U-17-024	UB9-022					
UB14-022							
U-7.5-519	U-9-011	U-9-519	Standard	S-21699	2	S-14587-8	1
U-12-011	U-12-015	U-14-011					
U-14-015	U-17-011						

HT HT250US

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
3.5 – 4	Standard Shock Mount, Std. Travel	S-23548	2	S-23086-11	1
5.5 – 6.5	Standard Shock Mount, Std. Travel	S-23650	2	S-23086-3	1
	Standard Shock Mount, Std. Travel, High Damping	S-23744	2	S-23086-10	1
	Remote Shock Mount, Std. Travel	S-23650	2	S-14587-9	1
	Remote Shock Mount, Std. Travel, High Damping	S-23744	2	S-14587-11	1
6.5	Standard Shock Mount, Extended Rebound	S-23651	2	S-23806-4	1
	Standard Shock Mount, Extended Rebound, High Damping	S-24579	2	S-23086-8	1
6.5 – 9	Remote Shock Mount, Extended Rebound	S-2212	2	S-14587-3	1
	Remote Shock Mount, Extended Rebound, High Damping	S-23316	2	S-14587-3	1
6.5 – 12	Standard Shock Mount, Limited Jounce	S-23649	2	S-23086-5	1
	Standard Shock Mount, Limited Jounce, High Damping	S-23743	2	S-23086-5	1
6.5 7.5 14	Angled and Frame Clearance Mounting, Std. Travel	S-23651	2	–	–
	Angled and Frame Clearance Mounting, Std. Travel, High Damping	S-24579	2	–	–
7.5 – 9	Remote Shock Mount, Std. Travel	S-23649	2	S-14587-10	1
	Remote Shock Mount, Std. Travel, High Damping	S-23743	2	S-14587-10	1
7.5 – 14	Standard Shock Mount, Std. Travel	S-23649	2	S-23086-5	1
	Standard Shock Mount, Std. Travel, High Damping	S-23743	2	S-23086-5	1
12 – 14	Remote Shock Mount, Std. Travel	S-2212	2	S-14587-3	1



HT® HT300US

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
5.5 – 6.5	Standard Shock Mount, Std. Travel	S-23744	2	S-23086-10	1
	Remote Shock Mount, Std. Travel		2	S-14587-11	1
6.5	Standard Shock Mount, Limited Jounce Travel	S-23744	2	S-23086-10	1
	Standard Shock Mount, Extended Rebound Travel	S-24579	2	S-23086-8	1
	Remote Shock Mount, Limited Jounce Travel	S-23744	2	S-14587-11	1
	Remote Shock Mount, Extended Rebound Travel	S-23316	2	S-14587-3	1
6.5 – 12	Standard Shock Mount, Limited Jounce	S-24579	2	S-23086-5	1
	Standard Shock Mount, Limited Jounce, High Damping	S-23743	2		1
7.5 – 12	Remote Shock Mount, Std. Travel, Limited Jounce	S-23743	2	S-14587-10	1
7.5 – 17	Standard Shock Mount, Std. Travel, Limited Jounce	S-23743	2	S-23086-5	1
14 – 17	Remote Shock Mount, Std. Travel	S-23316	2	S-14587-3	1
	Remote Shock Mount, Limited Jounce Travel		2		1

CONNEX® ST CXSL 25K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
14 – 19	Standard	S-2212	2	S-14587-3	2

CONNEX CXU 23K / 25K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
5.5 – 6.5	Standard	S-23650	2	S-23086-3	1
	Extended Service	S-23744	2	S-23086-10	1
7.5 – 9	Standard	S-38073	2	S-23086-5	1
	Extended Service	S-38074	2		

**CONNEX® CXY 23K / 25K**

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
6.5 – 9	Standard	S-23651	2	S-23086-4	1

INTRAAX® SP AAZNT 23K / 46K / 69K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
12 – 17	Standard	S-23566	2	S-23086-1	1
	Extended Service w/ High Damping	S-24023	2	S-23086-2	1

INTRAAX SP AAZL 23K / 46K

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
6.5 – 9	Standard	S-23651	2	S-23086-4	1
	Extended Service w/ High Damping	S-24579	2	S-23086-8	1
12	Standard	S-23566	2	S-23086-1	1
	Extended Service w/ High Damping	S-24023	2	S-23086-2	1

VANTRAAX® HKANT 23K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
N/A	Standard	S-27715	2	S-23086-1	1

VANTRAAX HKANL 23K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
N/A	Standard	S-25515	2	S-23086-12	1

VANTRAAX HKANT 40K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
49	Standard	S-24088	2	S-23086-1	1

VANTRAAX HKANT 46K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
49	Standard	S-23566	2	S-23086-1	1
121		S-22715			



VANTRAAX® HKAT 50K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
49	Standard	S-24023	2	S-23086-2	1

VANTRAAX HKAT 69K23 & HKANT 69K23

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
49 60 72	Standard	S-23566	2	S-23086-1	1
49 (15" RH)	Standard	S-23361	2	S-23086-7	1

VANTRAAX HKAT 69K25

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
60 72	Standard	S-24023	2	S-23086-2	1

VANTRAAX HKAL 46K & HKARL 46K

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
49	Standard	S-23566	2	S-23086-1	1

HK® HTHKA

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All	Standard	S-21292	2	S-14587-9	1

HK HTHKR

RIDE HEIGHT (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
All	Standard	S-23650	2	S-23086-3	1

HK HK200M

AXLE SPACING (inches)	SHOCK TYPE	SHOCK PART NUMBER	QTY. PER AXLE	SHOCK STRAP KIT	QTY. PER AXLE
9.25	Standard	S-2218	2	S-14587-5	1
11 12	Standard	S-4084	2	S-14587-6	1



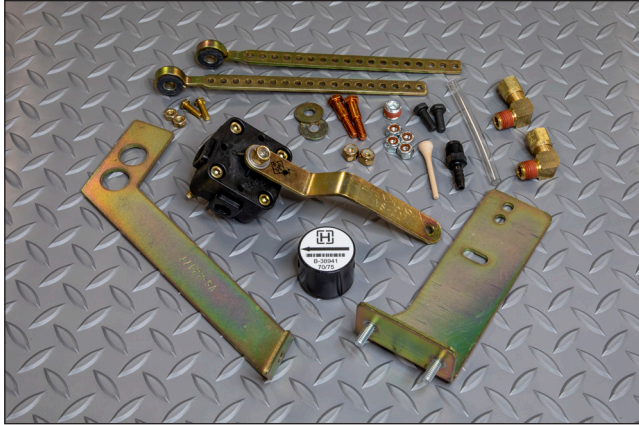
Height Control Valves

Trailer air suspension systems require precise air flow management. Using an Advanced Shear-Seal® technology to help ensure accurate airflow, Hendrickson Height Control Valves (HCVs) deliver superior performance and durability.

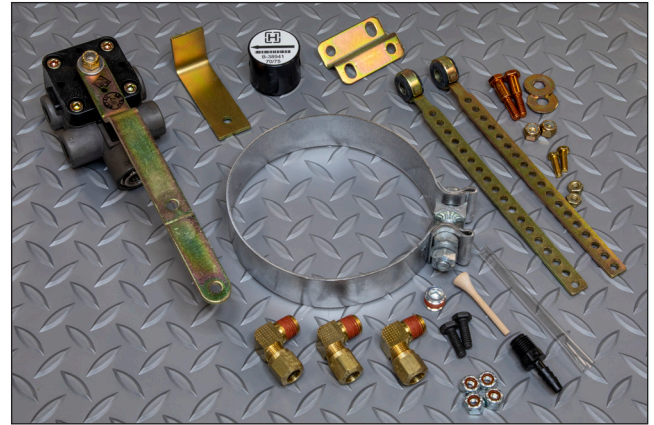
- ◆ Precise, highly repeatable dead band
- ◆ High air flow and a proportional response
- ◆ Help prolong air spring and shock absorber life
- ◆ Specifically designed and tested for optimum performance with Hendrickson air suspensions

Height Control Valves — Drum Brake

Product Family	Suspension Model	Axle Diameter	Dump Feature		No Pressure Protection Valve	No 90-degree Brass Fittings	Part Number
			Without	With			
INTRAAX®	AANT 23K	5 inch / 5.75 inch LDA™	X				AKH0270-3
			X		X		AKH0270B-3
				X			AKHD0270-3
				X	X		AKHD0270B-3
				X		X	AKHD0270F-3
	AAT 23K AAT 25K AAT 30K	5 inch / 5.75 inch LDA	X				AKH-238-3
			X		X		AKH-238B-3
				X			AKHD-238-3
				X		X	AKHD-238F-3
	AAEDT 30K	5 inch	X				AKH-235-3
			X		X		AKH-235B-3
				X			AKHD-235-3
	AANLS 20K	5 inch	X				AKH0275-3
				X			AKHD0275-3
	AANL 23K	5.75 inch LDA	X				AKH0292-3
			X		X		AKH0292B-3
				X			AKHD0292-3
				X		X	AKHD0292F-3
	AAL 23K AAL 25K AAL 30K AAEDL 30K	5 inch	X				AKH-235-3
			X		X		AKH-235B-3
				X			AKHD-235-3
	AAL 23K AAL 25K AAL 30K	5.75 inch LDA	X				AKH0306-3
			X		X		AKH0306B-3
				X			AKHD0306-3
			X		X	AKHD0306F-3	
CONNEX®	CXU 23K CXU 25K	5 inch	X				AKH-236-3
			X		X		AKH-236B-3
				X			AKHD-236-3
				X		X	AKHD-236F-3
HT™ Series	HT190T / HT190U HT230 HT250T / HT250U HT300T / HT300U HTHCR	5 inch	X				AKH-134-3
			X		X		AKH-134B-3
				X			AKHD-195-3
				X	X		AKH-179-2
	HT250US HT300US	5 inch	X				AKH-236-3
			X		X		AKH-236B-3
			X			X	AKH-236F-3
				X			AKHD-236-3
		X		X	AKHD-236F-3		
T Series	All Models	5 inch	X				AKH-239-3
				X			AKHD-239-3



AKH-181-3



AKHD-235-3

Product Family	Suspension Model	Axle Diameter	Dump Feature		No Pressure Protection Valve	No 90-degree Brass Fittings	Part Number
			Without	With			
VANTRAAX®	HKANT 23K HKANT 40K HKANT 46K HKAT 50K HKAT 69K23 HKAT 69K25 HKANT 69K23	5 inch / 5.75 inch LDA™	X				AKH-181-3
				X			AKHD-203-3
	HKAL 46K HKARL 46K	5 inch	X				AKH-235-3
			X		X		AKH-235B-3
				X			AKHD-235-3
	HKANL 23K HKAL 46K HKARL 46K	5.75 inch LDA	X				AKH0306-3
			X		X		AKH0306B-3
				X			AKHD0306-3
				X		X	AKHD0306F-3
	HK™ Series	HK190 HK230	5 inch	X			
				X			AKHD-205-3
INTRAAX® SP	AAZNT 23K AAZNT 46K AAZNT 69K	5 inch / 5.75 inch LDA	X				AKH0270-3
			X		X		AKH0270B-3
				X			AKHD0270-3
				X	X		AKHD0270B-3
				X		X	AKHD0270F-3
	AAZL 23K AAZL 46K	5 inch	X				AKH-235-3
			X		X		AKH-235B-3
				X			AKHD-235-3
	AAZL 23K AAZL 46K	5.75 inch LDA	X				AKH0306-3
			X		X		AKH0306B-3
				X			AKHD0306-3
				X		X	AKHD0306F-3

Kits listed include height control valve, mounting brackets, 3/8-inch tube fittings and bolted link assembly.



Bulk Height Control Valves — Drum Brake

Suspension Model	Kit Description	Part Number
AAL, AAEDL, AAEDT, CXU, HT250US, HT300US, HKAL, AAZL	Height Control Valve, Bulk 50 (includes A-28651 long arm)	AKH0249 ¹
AANT, AAT, AANL, AANLS, HT, HKANT, HKAT, HK, HTHKR, HKARL, HS, AAZNT	Height Control Valve, Bulk 50 (includes A-28648 short arm)	AKH0250
AAL, AAEDL, AAEDT, CXU, HT250US, HT300US, HKAL, AAZL	Integral Dump Height Control Valve, Bulk 35 (includes A-29391 long arm)	AKHD0249
AANT, AAT, AANL, AANLS, HT, HKANT, HKAT, HK, HTHKR, HKARL, HS, AAZNT	Integral Dump Height Control Valve, Bulk 35 (includes A-29393 short arm)	AKHD0250

¹ The long arm HCV can be used on short arm HCV applications. However, the installer must remove the end of the arm and use the bolt hole in the arm that is closest to the valve body.

Height Control Valve Hardware Kits — Drum Brake

Suspension Model	Axle Diameter	Fasteners	Mounting Brackets	No 90-degree Brass Fittings	Bolted Link Assembly	Part Number
AAT	5 inch / 5.75 inch LDA™	X	X		X	AKH0252
		X	X	X	X	AKH0252F
		X	X	X		AKH0252-1
AAL, AAEDL, AAEDT, HKAL, HKARL, AAZL	5 inch	X	X		X	AKH0253
		X	X	X		AKH0253-1
AAL, HKAL, HKARL, AAZL	5.75 inch LDA	X	X		X	AKH0309
		X	X	X		AKH0309-1
HKANT, HKAT	5 inch / 5.75 inch LDA	X	X		X	AKH0256
		X	X	X		AKH0256-1
AANT, AAZNT	5 inch / 5.75 inch LDA	X	X		X	AKH0262
		X	X	X		AKH0262-1
AANL	5.75 inch LDA	X	X		X	AKH0289
		X	X	X		AKH0289-1
AANLS	5 inch	X	X		X	AKH0290
		X	X	X		AKH0290-1

Specialty Height Control Valves — Drum and Disc Brake

Product Family	Suspension Model	Brake Type	Dump Feature		No Pressure Protection Valve	No 90-degree Brass Fittings	Kit Description	Part Number
			Without	With				
INTRAAX®	AAT at 14 inch RH	Drum	X		X		Tube fittings not included; supplied with fixed bolt link	AKH-244B
	AANLS 20K	Drum	X				Includes a U-bolt for mounting the HCV	AKH0266-3
			X		X			AKH0266B-3
				X				AKHD0266-3
				X	X	X		AKHD0266B-3
		Disc	X					AKH0311-3
				X				AKHD0311-3
		X	X	X	X	AKHD0311B-3		
HT™ Series	HT250US/HT300US at 6.5 inch RH	Drum	X		X		Tube fittings not included; supplied with fixed bolt link	AKH-242B
VANTRAAX®	HRRNT 40K	Drum	X				Tube fittings not included	AKH0261
INTRAAX® SP	AAZL (5 inch)	Drum	X				Includes a valve to raise the trailer for slider positioning	AKH0267-3
			X		X			AKH0267B-3
	AAZL (5.75 inch LDA)	Drum	X					AKH0310-3



Height Control Valves — Disc Brake

Product Family	Suspension Model	Axle Diameter	Dump Feature		No Pressure Protection Valve	No 90-degree Brass Fittings	Part Number
			Without	With			
INTRAAX®	AANLS 20K	5 inch	X				AKH0312-3
				X			AKHD0312-3
	AANT 23K	5 inch	X				AKH0281-3
				X			AKHD0281-3
	AANT 23K AANL 23K	5.75 inch LDA™	X				AKH0282-3
			X		X		AKH0282B-3
			X			X	AKH0282F-3
				X			AKHD0282-3
				X	X		AKHD0282B-3
				X		X	AKHD0282F-3
	AAT 23K AAT 25K AAT 30K AAL 23K AAL 25K AAL 30K AAEDL 30K AAEDT 30K	5 inch	X				AKH-235-3
			X		X		AKH-235B-3
				X			AKHD-235-3
	AAL 23K AAL 25K AAL 30K	5.75 inch LDA	X				AKH0306-3
			X		X		AKH0306B-3
				X			AKHD0306-3
				X		X	AKHD0306F-3
	AAT 23K AAT 25K AAT 30K	5.75 inch LDA	X				AKH0288-3
X				X		AKH0288B-3	
			X			AKHD0288-3	
			X	X		AKHD0288B-3	
VANTRAAX®	HKAT 50K HKAT 69K25	5 inch	X				AKH0283-3
				X			AKHD0283-3
	HKANT 23K HKANT 40K HKANT 46K HKAT 50K HKANT 69K23	5.75 inch LDA	X				AKH0284-3
				X			AKHD0284-3
	HKARL 46K	5.75 inch LDA	X				AKH0306-3
			X		X		AKH0306B-3
			X			AKHD0306-3	
			X		X	AKHD0306F-3	
INTRAAX® SP	AAZNT 23K AAZNT 46K AAZNT 69K	5 inch	X				AKH0281-3
				X			AKHD0281-3
	5.75 inch LDA	X				AKH0282-3	
		X		X		AKH0282B-3	
		X			X	AKH0282F-3	
			X			AKHD0282-3	
			X	X		AKHD0282B-3	
			X		X	AKHD0282F-3	

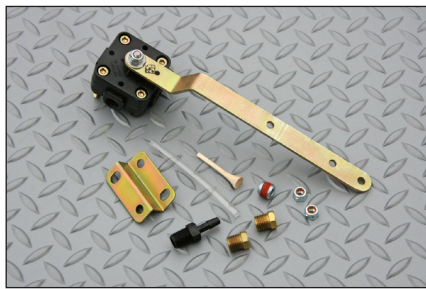
Kits listed include height control valve, mounting brackets, 3/8-inch tube fittings and bolted link assembly.



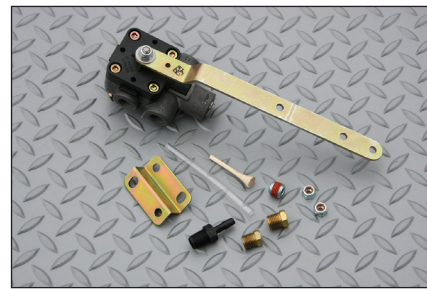
Aftermarket

Description	Suspension Model	Ride Height	Dump Feature		Fitting Style	Part Number ¹
			Without	With		
Replacement Height Control Valve	INTRAAX® CONNEX® HT™ Series T Series VANTRAAX® HK™ Series INTRAAX® SP	All	X		None	VS-227
				X	None	VS-228
	ULTRAA-K®	16"	X		Compression	VS-33704-3
				X		VS-33705-3
			X		PTC	VS-33704-4
Replacement DST® Valve (Height Control Differential Dump Valve)	VANTRAAX®	All		X	None	VS-27116
	ULTRAA-K®	16"		X	Compression	VS-33703-3
					PTC	VS-33703-4

¹ Kits listed do not include pressure protection valve or link assembly.



VS-227

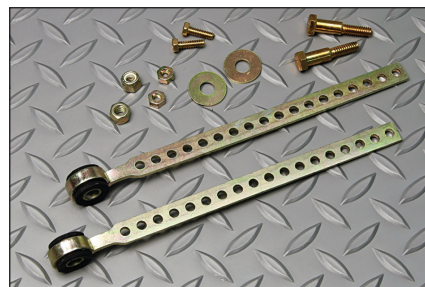


VS-228

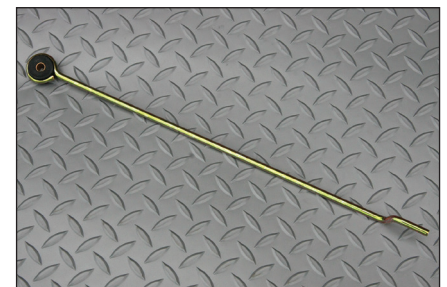
Description	Suspension Model	Ride Height	HCV Model	Part Number
Pressure Protection Valve	All	N/A	N/A	VS-38941
Bolted Link Assembly	INTRAAX® CONNEX® HT™ Series T Series VANTRAAX® HK™ Series INTRAAX® SP	All	VS-227 and VS-228	S-14187
Fixed Link Assembly	ULTRAA-K®	16"	VS-33703-3, VS-33703-4, VS-33704-3 VS-33704-4, VS-33705-3, VS-33705-4	VS-33702-1



VS-38941



S-14187



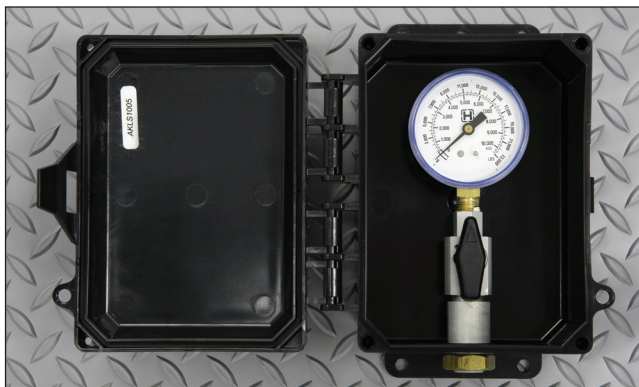
VS-33702-1



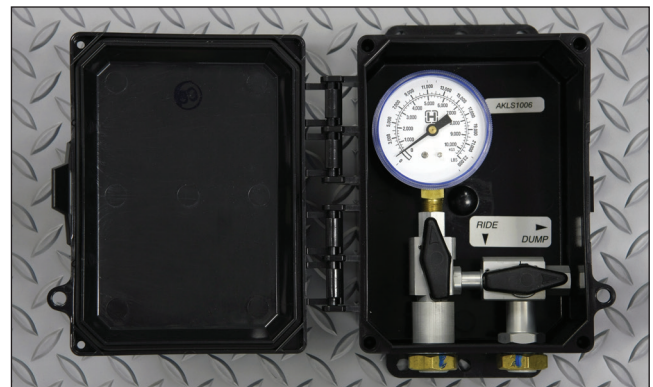
Load Scales

Hendrickson Load Scale kits provide an easy solution to quickly determine the approximate suspension load. Each contains a gauge that measures air pressure and a method for converting pressure to suspension load. Depending on the load scale model, the gauge provides a reading of suspension weight or a reading of air spring pressure with a conversion table.

- ◆ Compact enclosure size and external mounting tabs provided for convenient installation
- ◆ Integrated valve body reduces fittings and potential leak points
- ◆ Anodized aluminum valve body for lightweight and high corrosion resistance
- ◆ Teflon seals ensure a wide operating temperature range and high chemical resistance
- ◆ Polycarbonate enclosure for cold impact resistance includes molded-in hinge and latch



AKLS1005



AKLS1006

Load Scale Decals — Liquid Filled Gauges

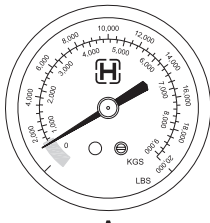
Product Family	Suspension Model	Part Number
INTRAAX®	AANLS 20K	L912
	AAL, AAT, AANL, AANT 23K (Low Pressure Air Spring)	L912
	AAL, AAT, AANL, AANT 23K	L911
	AAEDL, AAEDT 30K	L927
	AAL, AAT 25K	L912
	AAL, AAT 30K	L913
INTRAAX® SP	AAZNT, AAZL 23K	L911
	AAZNT, AAZL 46K	
	AAZNT 69K	
HT™ Series	HT190	L905
	HT190U	L903
	HT230	L914
	HT250T	L904
	HT250U at 9-inch Ride Height (Air Spring C-13122)	T90001
	HT250U at 15-inch Ride Height (Air Spring C-13122)	T90002
	HT250U, HT250US (Air Spring C-20124)	L904
	HT250U, HT250US (Air Spring C-20127)	L906
	HT300	L909
	HT300U	L908
	HT300US	T90004

Product Family	Suspension Model	Part Number
CONNEX®	CXU 23K	T90006
	CXU 25K	T90007
VANTRAAX®	HKANT 23K, 46K, 69K23	L911
	HKANT 40K	L1045 ¹ L911 ²
	HKANT 40K with ZMD®	T90003
	HKAT 50K, 69K25	L912
	HKANL 23K	L911
ULTRAA-K®	HKAL, HKARL 46K	L911
	UTKNT 40K (Air Spring C-34733)	T90003
HK™ Series	UTKNT 40K (Air Spring C-38000)	L1045
	HK190T	L907
	HK230T	L910
	HTHKR	L910

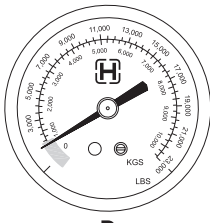
¹ For HKANT 40K built in 2008 or later.

² For HKANT 40K built prior to 2008 or HKANT 40K with SMARTLIFT® option.

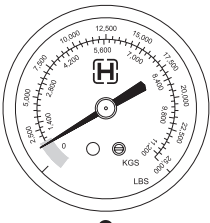
NOTE: The load scale decal is not included with the load scale kit. Determine the appropriate load scale kit for the suspension model specified and order the corresponding decal separately.



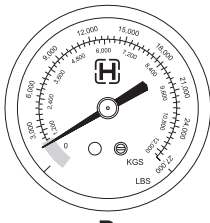
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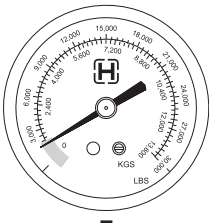
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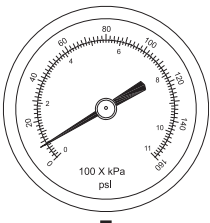
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D



E



F

Load Scales — Polycarbonate Box

Product Family	Suspension Model	Gauge Type	Gauge Range	Gauge Face	Part Number	
					Without Dump (AKLS1005)	With Dump (AKLS1006)
INTRAAX®	AAZNT 23K, AAZNT 46K, AAZNT 69K	Dry	0 - 23,000	B	-3	-3
	AAZL 23K, AAZL 46K	Dry	0 - 23,000	B	-3	-3
	AAEDL 30K, AAEDT 30K	Dry	0 - 30,000	E	-6	-6
	AAL, AAT, AANL, AANT 23K (Standard Air Spring)	Dry	0 - 23,000	B	-3	-3
	AAL, AAT, AANL, AANT 23K (Low Pressure Air Spring)	Dry	0 - 25,000	C	-4	-4
	AAL 25K, AAT 25K	Dry	0 - 25,000	C	-4	-4
	AAL 30K, AAT 30K	Dry	0 - 30,000	E	-6	-6
INTRAAX® SP	AAZNT 23K, AAZNT 46K, AAZNT 69K	Dry	0 - 23,000	B	-3	-3
	AAZL 23K, AAZL 46K	Dry	0 - 23,000	B	-3	-3
HK™ Series	HK190T	Dry	0 - 23,000	B	-3	-3
	HK230T	Dry	0 - 23,000	B	-3	-3
VANTRAAX®	HKANT 23K, HKANT 46K	Dry	0 - 23,000	B	-3	-3
	HKANT 40K	Dry	0 - 20,000	A	-2	-2
	HKAT 50K, HKAT 69K25	Dry	0 - 25,000	C	-4	-4
	HKANT 69K23	Dry	0 - 23,000	B	-3	-3
	HKAT 69K23	Dry	0 - 23,000	B	-3	-3
	HKARL 46K	Dry	0 - 23,000	B	-3	-3
	HKANL 23K, HKAL 46K	Dry	0 - 23,000	B	-3	-3
ULTRAA-K®	UTKNT 40K	Dry	0 - 20,000	A	-2	-2
CONNEX®	CXU 23K	Dry	0 - 23,000	B	-3	-3
	CXU 25K	Dry	0 - 25,000	C	-4	-4
HT™ Series	HT300	Dry	0 - 30,000	E	-6	-6
	HT300U	Dry	0 - 30,000	E	-6	-6
	HT300US	Dry	0 - 30,000	E	-6	-6
	HT250U (Air Spring C-2 0124)	Dry	0 - 25,000	C	-4	-4
	HT250U (Air Spring C-20127)	Dry	0 - 25,000	C	-4	-4
	HT250U (Air Spring C-13122, 9 inch Ride Height)	Dry	0 - 30,000	E	-6	-6
	HT250U (Air Spring C-13122, 15 inch Ride Height)	Dry	0 - 27,000	D	-5	-5
	HT250US (Air Spring C-20124)	Dry	0 - 25,000	C	-4	-4
	HT250US (Air Spring C-20127)	Dry	0 - 30,000	E	-6	-6
	HT190	Dry	0 - 20,000	A	-2	-2
	HT190U	Dry	0 - 23,000	B	-3	-3
	HT230	Dry	0 - 23,000	B	-3	-3
	HT250T	Dry	0 - 25,000	C	-4	-4
T Series	T-6-068	Dry	0 - 25,000	C	-4	-4
	T-6-252	Dry	0 - 27,000	D	-5	-5
	T-RL	Dry	0 - 30,000	E	-6	-6
All	All Models	Liquid	0 - 160 psi	F	-1	-1



Load Scales — Stainless Steel Box

Product Family	Suspension Model	Gauge Type	Gauge Range	Gauge Face	Part Number	
					Without Dump (AKLS2005)	With Dump (AKLS2006)
INTRAAX®	AANLS 20K	Dry	0 - 25,000	C	-4	-4
	AAL, AAT, AANL, AANT 23K (Standard Air Spring)	Dry	0 - 23,000	B	-3	-3
	AAL, AAT, AANL, AANT 23K (Low Pressure Air Spring)	Dry	0 - 25,000	C	-4	-4
	AAL 25K, AAT 25K	Dry	0 - 25,000	C	-4	-4
	AAL 30K, AAT 30K	Dry	0 - 30,000	E	-6	-6
	AAEDL 30K, AAEDT 30K	Dry	0 - 30,000	E	-6	-6
INTRAAX® SP	AAZNT 23K, AAZNT 46K, AAZNT 69K	Dry	0 - 23,000	B	-3	-3
	AAZL 23K, AAZL 46K	Dry	0 - 23,000	B	-3	-3
HK™ Series	HK190T	Dry	0 - 23,000	B	-3	-3
	HK230T	Dry	0 - 23,000	B	-3	-3
VANTRAAX®	HKANT 23K, HKANT 46K	Dry	0 - 23,000	B	-3	-3
	HKANT 40K	Dry	0 - 20,000	A	-2	-2
	HKAT 50K, HKAT 69K25	Dry	0 - 25,000	C	-4	-4
	HKANT 69K23, HKAT 69K23	Dry	0 - 23,000	B	-3	-3
	HKARL 46K	Dry	0 - 23,000	B	-3	-3
	HKANL 23K HKAL 46K	Dry Dry	0 - 23,000 0 - 23,000	B B	-3 -3	-3 -3
ULTRAA-K®	UTKNT 40K	Dry	0 - 20,000	A	-2	-2
CONNEX®	CXU 23K	Dry	0 - 23,000	B	-3	-3
	CXU 25K	Dry	0 - 25,000	C	-4	-4
HT™ Series	HTHKR	Dry	0 - 23,000	B	-3	-3
	HT190	Dry	0 - 20,000	A	-2	-2
	HT190U	Dry	0 - 23,000	B	-3	-3
	HT230	Dry	0 - 23,000	B	-3	-3
	HT250T	Dry	0 - 25,000	C	-4	-4
	HT250U (Air Spring C-20124)	Dry	0 - 25,000	C	-4	-4
	HT250U (Air Spring C-20127)	Dry	0 - 30,000	E	-6	-6
	HT250U (Air Spring C-13122, 9 inch Ride Height)	Dry	0 - 30,000	E	-6	-6
	HT250U (Air Spring C-13122, 15 inch Ride Height)	Dry	0 - 27,000	D	-5	-5
	HT250US (Air Spring C-20124)	Dry	0 - 25,000	C	-4	-4
	HT250US (Air Spring C-20127)	Dry	0 - 30,000	E	-6	-6
	HT300	Dry	0 - 30,000	E	-6	-6
HT300U	Dry	0 - 30,000	E	-6	-6	
HT300US	Dry	0 - 30,000	E	-6	-6	
T Series	T-6-068	Dry	0 - 25,000	C	-4	-4
	T-6-252	Dry	0 - 27,000	D	-5	-5
	T-RL	Dry	0 - 30,000	E	-6	-6
All	All Models	Liquid	0 - 160 psi	F	-1	-1

Aftermarket

Description	Load Scale Model	Part Number
Replacement Polycarbonate Enclosure	AKLS1005	VS-31845-3
Replacement Polycarbonate Enclosure	AKLS1006	VS-31845-2
Replacement Stainless Steel Enclosure	AKLS2005, AKLS2006	VS-32312
Replacement Liquid-Filled Gauge	All -1 Models with Liquid Gauge	VS-24120
Replacement Dry Gauge	All -2 Models with Dry Gauge	VS-22534-1
	All -3 Models with Dry Gauge	VS-22534-2
	All -4 Models with Dry Gauge	VS-22534-3
	All -5 Models with Dry Gauge	VS-22534-4
	All -6 Models with Dry Gauge	VS-22534-5

Lift Axle Controls

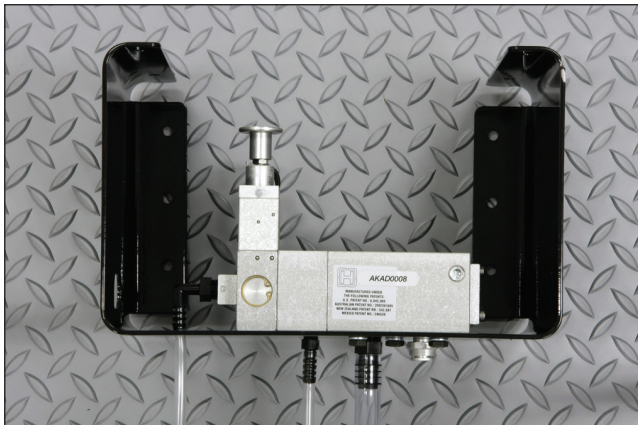
Electric / Manual Lift Controls

Specify Hendrickson’s popular line of electric / manual lift axle controls to simplify trailer plumbing. The compact design incorporates an electric solenoid, manual operator, lift bag valve and ride bag valve into one integrated body. For regulated versions, the regulator and gauge are incorporated into the main valve body to eliminate the need for external plumbing and fittings.

- ◆ Modular, high flow design is available in regulated and equalizing versions
- ◆ Designed to perform in harsh trailer environments with or without an enclosure
- ◆ Fail mode is field configurable from “normally down” to “normally up”

Mounting Option		Valve Configuration		Brake Isolation		Part Number
Stainless Steel Enclosure	Mounting Bracket	Regulating	Equalizing	Without	With	
	X		X	X		AKAD0008-1
	X		X		X	AKAD0008-2 ¹
	X	X		X		AKAD0009-1
	X	X			X	AKAD0009-2 ¹
X			X	X		AKAD2010-1
X			X		X	AKAD2010-2 ¹
X		X		X		AKAD2011-1
X		X			X	AKAD2011-2 ¹

¹ The brake isolation feature requires a brake relay (not available from Hendrickson). When plumbed, the brake relay controls the pressure to the liftable suspension brakes independently of the primary suspension brakes.



AKAD0008



AKAD2011

Aftermarket

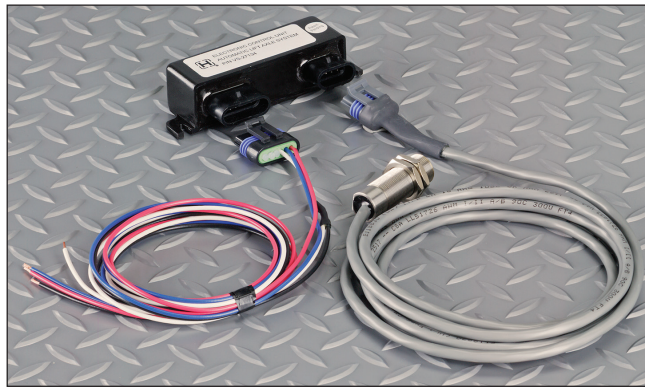
Description	Lift Axle Model	Part Number
Replacement Mounting Bracket	AKAD0008-1, AKAD0008-2 AKAD0009-1, AKAD0009-2	VS-31531
Replacement Stainless Steel Enclosure	AKAD2010-1, AKAD2010-2 AKAD2011-1, AKAD2011-2	VS-31557



Reverse Lift Axle Control

- ◆ For use with liftable / steerable trailer axles
- ◆ Moving in reverse 3 feet automatically keys lifting of axle
- ◆ Moving forward 80 feet automatically triggers lowering of axle
- ◆ To be used in conjunction with electro-pneumatic lift controls: AKAD0008, AKAD0009, AKAD2010 and AKAD2011

Description	Brake Type	Part Number
Automatic Lift Axle Control Kit	Drum	EKAD0001
	Disc	EKAD0001-1



EKAD0001

Manual Lift Controls

- ◆ Available in regulating and equalizing versions
- ◆ The Dial-A-Ride control utilizes a convenient mounting panel

Description	Valve Configuration	Part Number
Manual Dial-A-Ride	Regulating	VS-1314-C
Manual	Equalizing	AKAM0001



VS-1314-C



AKAM0001



Dump Valves

Hendrickson offers a wide variety of dump valve kits. Dump valves are typically used to exhaust the air from the suspension during loading and unloading. Exhausting the suspension helps prevent trailer walk, provides increased stability and lowers the trailer deck height.

Manual Dump Valves

- ◆ Rated for -40° F to 180° F
- ◆ Highly tolerant to contamination and chemicals
- ◆ Anodized aluminum construction for superior corrosion resistance and strength
- ◆ Stainless steel shaft for better wear and corrosion resistance
- ◆ Protected vent prevents contamination from entering the valve

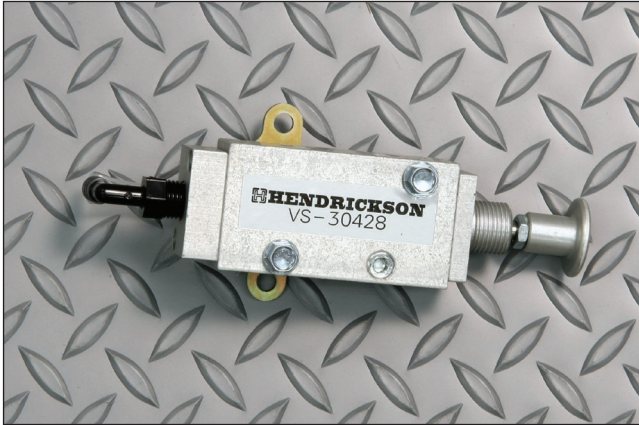
Box Type		Auto Reset		Liquid Gauge		Part Number	
None	Polycarbonate	Stainless Steel	Without	With	Without		With
	X		X		X		AKEM1007-1
	X		X			X	AKEM1007-2
	X			X	X		AKER1004-1
	X			X		X	AKER1004-2
		X	X		X		AKEM2006-1
		X	X			X	AKEM2006-2
		X		X	X		AKER2003-1
		X		X		X	AKER2003-2
X			X	X	X		AKEM0005-1 ¹
X			X	X	X		AKEM0005-2 ^{1,2} (Includes auto dump)

¹ Can be used as an auto-reset valve by removing the vent protector.

² Provides a manual dump control and a remote auto reset dump that is activated by the trailer parking brakes.



Manual Dump Valves



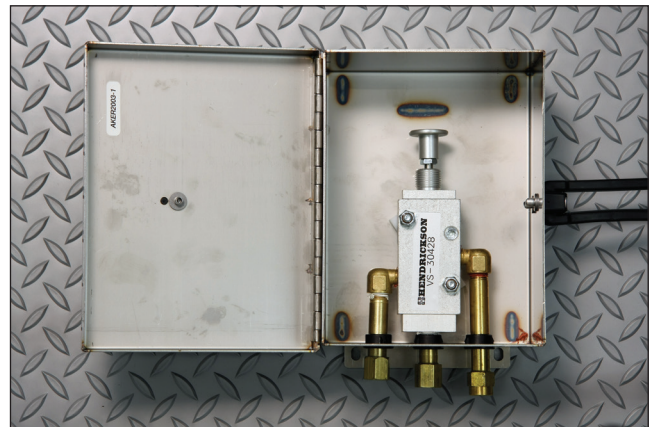
AKEM0005-1



AKER1004-2



AKEM2006-2



AKER2003-1

Automatic / Specialty Dump Valves

Description	Box Type		Valve Type			Auto Reset		Compatible with SURELOK®		Part Number
	None	Polycarbonate	Manual	Electric	Auto	Without	With	Yes	No	
Ball Valve	X		X			X			X	AK-147-1
Ball Valve		X	X			X			X	AKEM1008
Solenoid Valve	X			X		X			X	AK-53
Auto Dump	X				X		X		X	AK-54
Integral Auto Dump	X				X		X		X	AKHD-XXX ¹

¹ Automatic dump feature is integrated into the height control valve. Reference the Height Control Valve section for specific kit numbers.



AK-53



AK-54



AK-147-1

Aftermarket

Description	Dump Valve Model	Part Number
Replacement Polycarbonate Enclosure	AKEM1007-1, AKEM1007-2	VS-31335
Replacement Polycarbonate Enclosure	AKER1004-1, AKER1004-2	VS-31325
Replacement Stainless Steel Enclosure	AKEM2006-1, AKEM2006-2 AKER2003-1, AKER2003-2	VS-31320
Replacement Mounting Bracket	AKEM0005-1, AKEM0005-2	VS-30427



QUIK-DRAW® Pneumatic Pin-Pull Mechanism

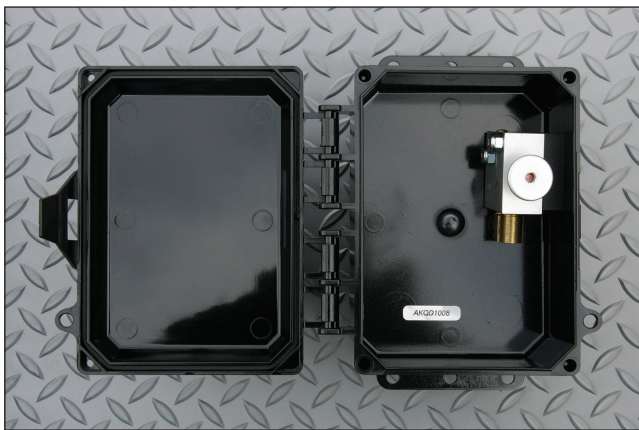
Hendrickson’s VANTRAAX® and INTRAAX® SP air suspension slider systems come standard with the QUIK-DRAW® pneumatic pin-pull mechanism. Triggered with a simple pull of a knob, it applies continuous pressure until the pins release. Pins automatically reset with the release of the emergency brake. For instances when additional features are required and an enclosure is preferred, a variety of QUIK-DRAW kits are also available.

- ◆ Only completely pneumatic pin-pull mechanism on the market
- ◆ Enhanced driver productivity and satisfaction
- ◆ Tested to meet stringent durability and environmental conditions — operating in temperatures to -40 degrees.

QUIK-DRAW Valves

Box Type		Auto Reset		Dump Feature		Liquid Gauge		SURELOK® Bypass	Part Number
Polycarbonate	Stainless Steel	Without	With	Without	With	Without	With		
X			X	X		X			AKQD1008
X			X ¹		X	X			AKQD1009 ¹
X			X ¹		X		X		AKQD1010 ¹
X			X ¹		X	X		X	AKQD1011 ¹
	X		X ¹		X	X			AKQD2006 ¹

¹ Auto reset function resets the QUIK-DRAW valve only, not the manual dump.



AKQD1008



AKQD1011

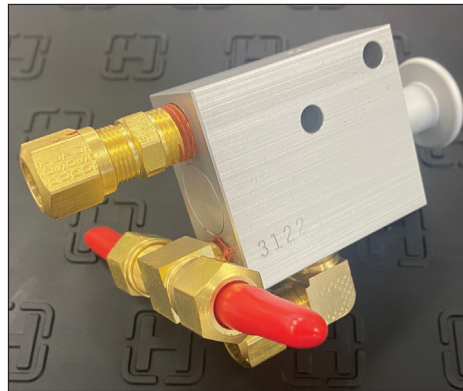


Aftermarket

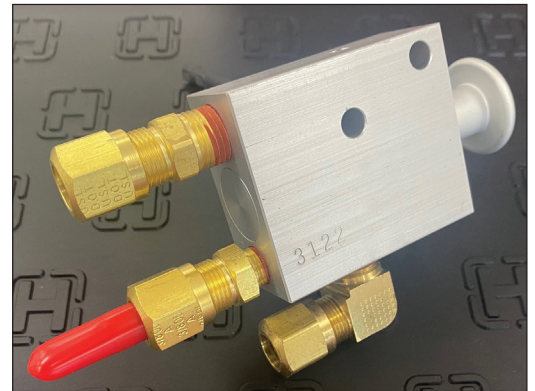
Description	Product Family	Part Number	Notes	
3-way Auto Reset Valve, No Fittings	VANTRAAX®, ULTRAA-K®, INTRAAX® SP	VS-25223		
3-way Auto Reset Valve, Straight Fittings	ULTRAA-K	VANTRAAX, ULTRAA-K, INTRAAX SP	VS-25224	Valve Assembly Only
			VS-33759	Valve Assembly with Bracket
			VS-41590-1	Valve Assembly Only, For Units built Nov. 2022 or After
			VS-41535-1	Valve Assembly with Bracket, For Units built Nov. 2022 or After
3-way Auto Reset Valve, Straight and Tee Fittings	ULTRAA-K	VANTRAAX	VS-29866	
			VS-34932	Valve Assembly Only
			VS-33760	Valve Assembly with Bracket
			VS-41592-1	Valve Assembly Only, For Units built Nov. 2022 or After
Replacement Polycarbonate Enclosure	AKQD1008, AKQD1009, AKQD1010	VS-31845-4		
	AKQD1011	VS-31845-6		



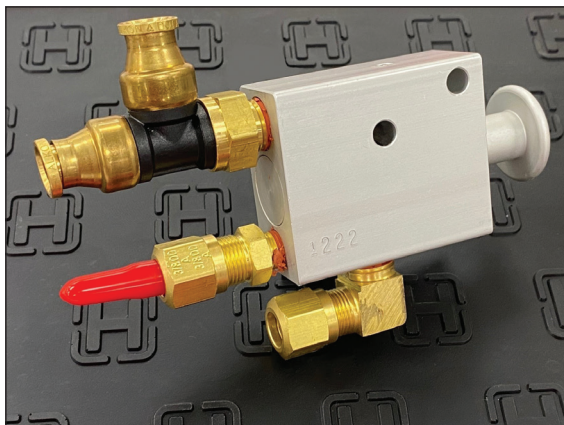
VS-25223



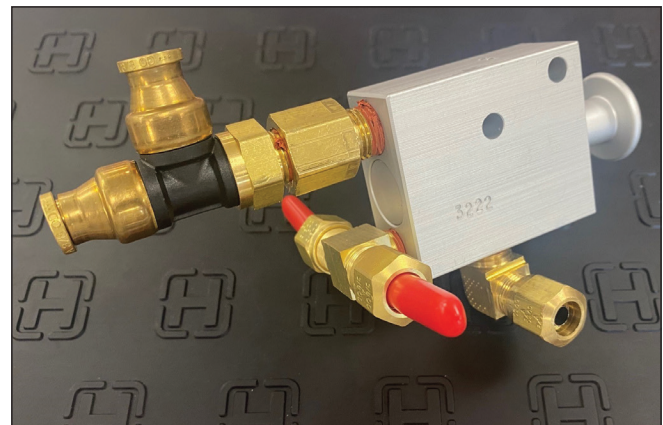
VS-25224



VS-29866



VS-41590-1



VS-41592-1



SURELOK® Controls

Hendrickson’s SURELOK controls feature locking legs that provide maximum engagement with the suspension beam. Designed for the customer who must maintain ride height during loading and unloading, SURELOK automatically engages when the trailer’s parking brakes are set. SURELOK is an available option on VANTRAAX® air suspension slider systems or can be purchased separately for use in a variety of other Hendrickson suspensions. For instances when additional features are required and an enclosure is preferred, a variety of SURELOK controls are also available.

- ◆ Maintains ride height during loading / unloading for efficient trailer dock operations
- ◆ Helps eliminate trailer walk by limiting suspension vertical and horizontal movement

SURELOK Controls

Polycarbonate Box	Auto Reset		Dump Feature		Liquid Gauge		SURELOK Bypass	Part Number
	Without	With	Without	With	Without	With		
X	X		X		X		X	AKSL1002
X	X			X	X		X	AKSL1003
X		X		X	X		X	AKSL1004
X		X		X		X	X	AKSL1004-1



AKSL1002



AKSL1004-1

Aftermarket

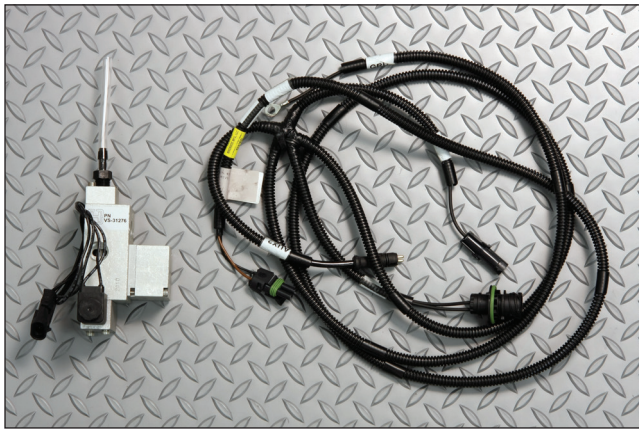
Description	SURELOK Model	Part Number
Replacement Polycarbonate Enclosure	AKSL1002	VS-31845-7
	AKSL1003	VS-31845-2
	AKSL1004	VS-31845-8
	AKSL1004-1	VS-31845-9

Single Axle Dump System

Hendrickson’s single axle dump system gives operators an effective solution to improve low speed maneuverability. Under certain conditions, it will allow the operator to exhaust the air from one suspension. The system automatically monitors trailer speed and only activates at speeds less than 10 mph. Requires upgraded ABS valve ECU with applicable software. (Supplied by ABS manufacturer.)

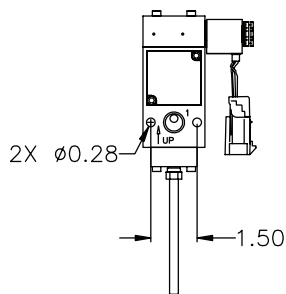
- ◆ Provides fast exhaust without the need for an additional relay valve — dumps in less than 2 seconds
- ◆ Consumes less air than other relay valve systems
- ◆ Utilizes Hendrickson’s proprietary speed-control reset
- ◆ Tested to meet stringent durability and environmental conditions - operating in temperatures as low as -40 degrees
- ◆ Effectively exhausts air springs under various loading conditions, including lightly loaded trailers with low air spring pressures
- ◆ Hendrickson approved — speed limiting feature maintains Hendrickson’s suspension and wheel-end warranty

Single Axle Dump System

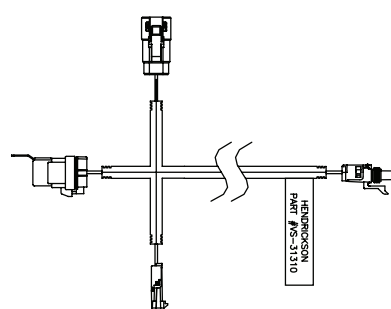


Single Axle Dump Valve

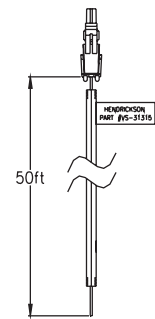
ABS Compatibility	Part Number
Wabco	AKES0001
Bendix	AKES0002
Hallex	AKES0003



Rear Axle Dump Valve



System Harness



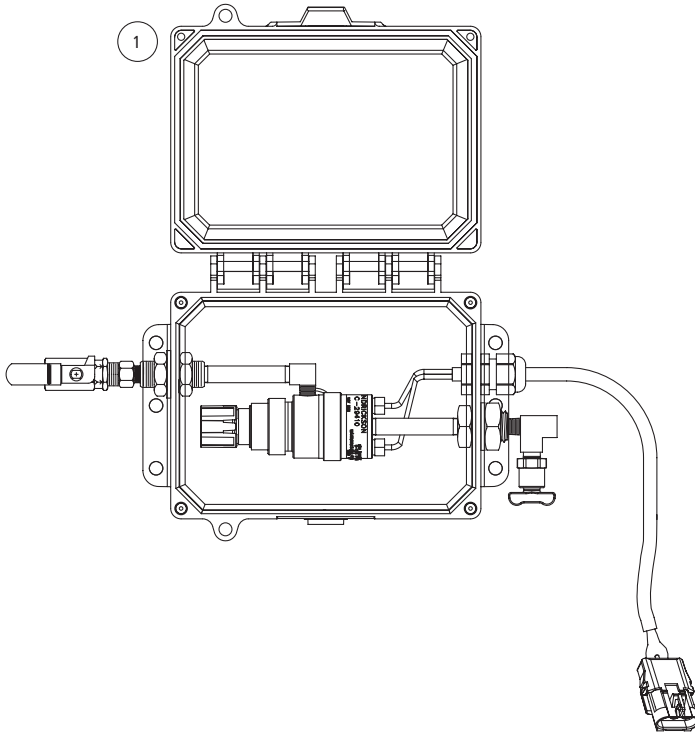
Actuation Harness

NOTE: Requires application approval from Hendrickson.

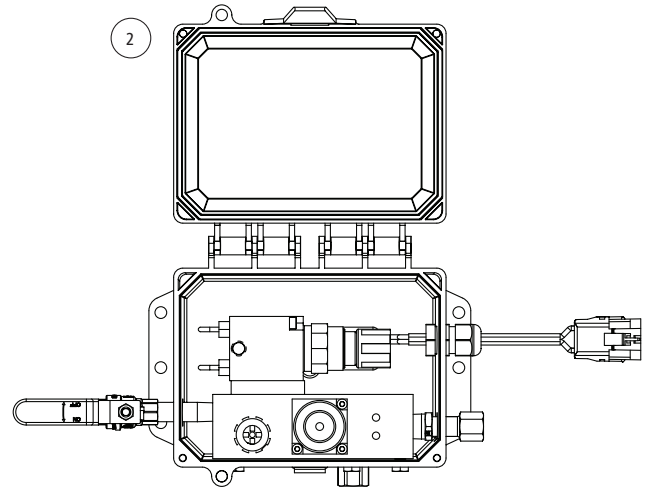


TIREMAAX® CONTROLLERS

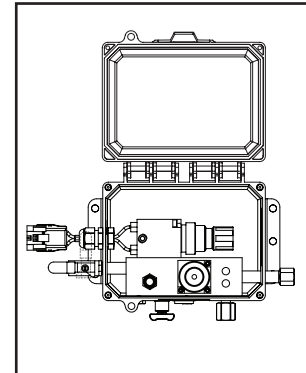
CP CONTROLLER ASSEMBLY



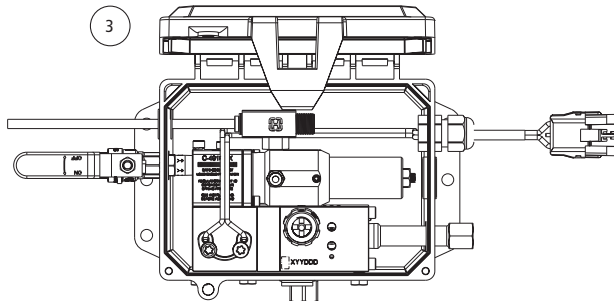
PRO CONTROLLER ASSEMBLY



Alternate style, previously used



PRO-LB CONTROLLER ASSEMBLY



*PRO-LB SUSPENSION CATEGORY REFERENCE TABLE		
CATEGORY A	CATEGORY B	CATEGORY C
<p>VANTRAAAX® HKANT 40K (≥16" RH)</p> <p>ULTRAA-K® UTKNT 40K</p>	<p>VANTRAAAX HKANT 23K HKANT 40K (15" RH) HKANT / HKAT 46K</p> <p>INTRAAX® AANT / AAT 23K (≥ 13.5" RH, Std A/S Pressure) AANL / AAL 23K (Std A/S Pressure)</p>	<p>VANTRAAAX HKAT 50K</p> <p>INTRAAX AANT / AAT 23K (≥ 13.5" RH, Low A/S Pressure) AANL / AAL 23K (Low A/S Pressure) AAT 25K AAL 25K AANLS 20K</p>



TIREMAAX® CONTROLLERS

TIREMAAX CP CONTROLLER ASSEMBLY

ITEM	ELECTRICAL CONNECTION	TANK VALVE	COLD TIRE INFLATION PRESSURE										
			70	75	80	85	90	95	100	105	110	115	120
1	Delphi Connector	No	VS-29865-70	VS-29865-75	VS-29865-80	VS-29865-85	VS-29865-90	VS-29865-95	VS-29865-100	VS-29865-105	VS-29865-110	VS-29865-115	VS-29865-120
		Yes	VS-31520-70	VS-31520-75	VS-31520-80	VS-31520-85	VS-31520-90	VS-31520-95	VS-31520-100	VS-31520-105	VS-31520-110	VS-31520-115	VS-31520-120
	Blade Terminals	No	VS-34920-70	VS-34920-75	VS-34920-80	VS-34920-85	VS-34920-90	VS-34920-95	VS-34920-100	VS-34920-105	VS-34920-110	VS-34920-115	VS-34920-120
		Yes	VS-37987-70	VS-37987-75	VS-37987-80	VS-37987-85	VS-37987-90	VS-37987-95	VS-37987-100	VS-37987-105	VS-37987-110	VS-37987-115	VS-37987-120

TIREMAAX PRO CONTROLLER ASSEMBLY

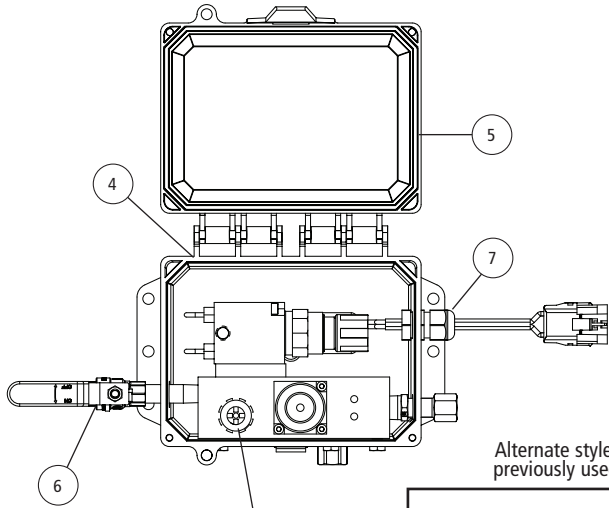
ITEM	ELECTRICAL CONNECTION	COLD TIRE INFLATION PRESSURE							
		85	90	95	100	105	110	115	120
2	Delphi Connector	VS-32074-85	VS-32074-90	VS-32074-95	VS-32074-100	VS-32074-105	VS-32074-110	VS-32074-115	VS-32074-120
	Blade Terminals	VS-34923-85	VS-34923-90	VS-34923-95	VS-34923-100	VS-34923-105	VS-34923-110	VS-34923-115	VS-34923-120

TIREMAAX PRO-LB CONTROLLER ASSEMBLY

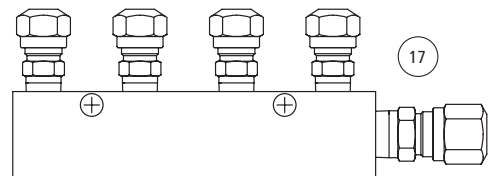
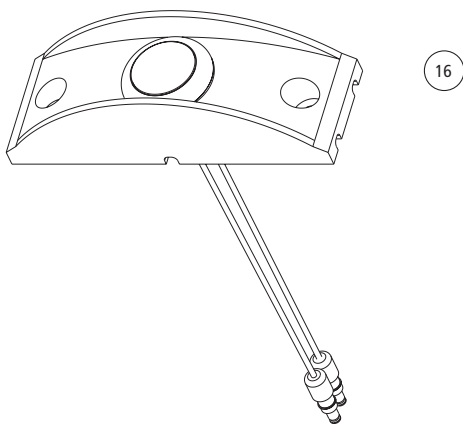
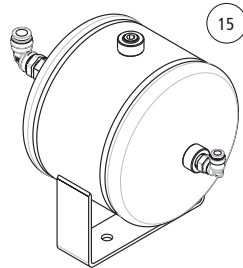
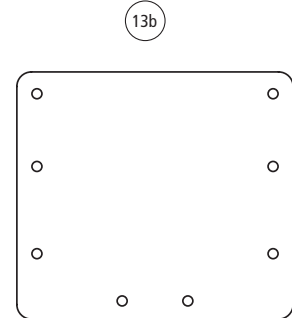
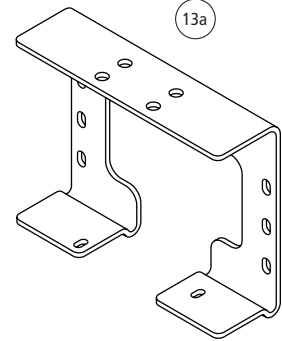
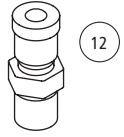
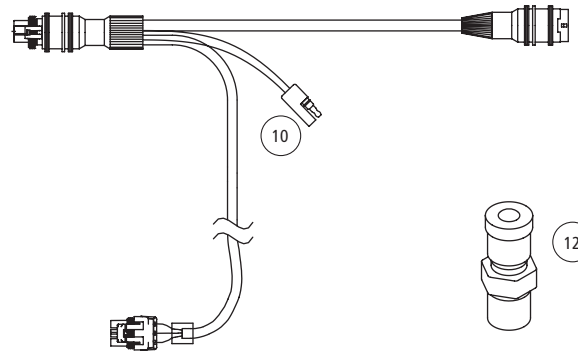
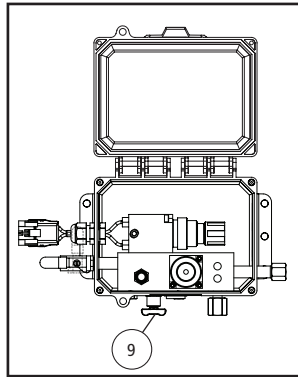
ITEM	ELECTRICAL CONNECTION	SUSPENSION CATEGORY*	DUAL / SUPER SINGLE	COLD TIRE INFLATION PRESSURE							
				85	90	95	100	105	110	115	120
3	Delphi Connector	A	Dual	VS-41091-1	VS-41091-2	VS-41091-3	VS-41091-4	VS-41091-5	VS-41091-6	VS-41091-7	VS-41091-8
			SS				VS-41091-9	VS-41091-10	VS-41091-11	VS-41091-12	VS-41091-13
		B	Dual	VS-41091-14	VS-41091-15	VS-41091-16	VS-41091-17	VS-41091-18	VS-41091-19	VS-41091-20	VS-41091-21
			SS				VS-41091-22	VS-41091-23	VS-41091-24	VS-41091-25	VS-41091-26
		C	Dual	VS-41091-27	VS-41091-28	VS-41091-29	VS-41091-30	VS-41091-31	VS-41091-32	VS-41091-33	VS-41091-34
			SS				VS-41091-35	VS-41091-36	VS-41091-37	VS-41091-38	VS-41091-39
	Blade Terminals	A	Dual	VS-41120-1	VS-41120-2	VS-41120-3	VS-41120-4	VS-41120-5	VS-41120-6	VS-41120-7	VS-41120-8
			SS				VS-41120-9	VS-41120-10	VS-41120-11	VS-41120-12	VS-41120-13
		B	Dual	VS-41120-14	VS-41120-15	VS-41120-16	VS-41120-17	VS-41120-18	VS-41120-19	VS-41120-20	VS-41120-21
			SS				VS-41120-22	VS-41120-23	VS-41120-24	VS-41120-25	VS-41120-26
		C	Dual	VS-41120-27	VS-41120-28	VS-41120-29	VS-41120-30	VS-41120-31	VS-41120-32	VS-41120-33	VS-41120-34
			SS				VS-41120-35	VS-41120-36	VS-41120-37	VS-41120-38	VS-41120-39



TIREMAAX® CONTROLLER ASSEMBLY



Alternate style, previously used

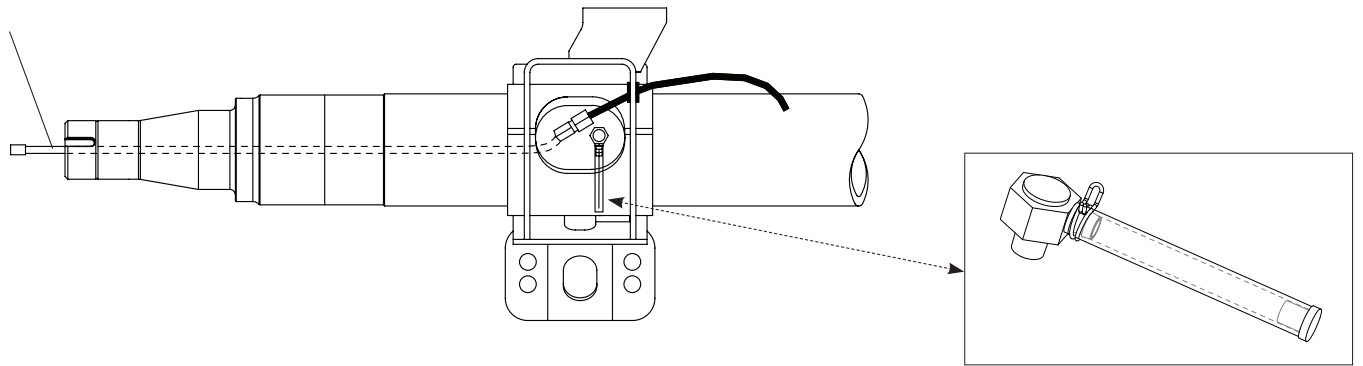
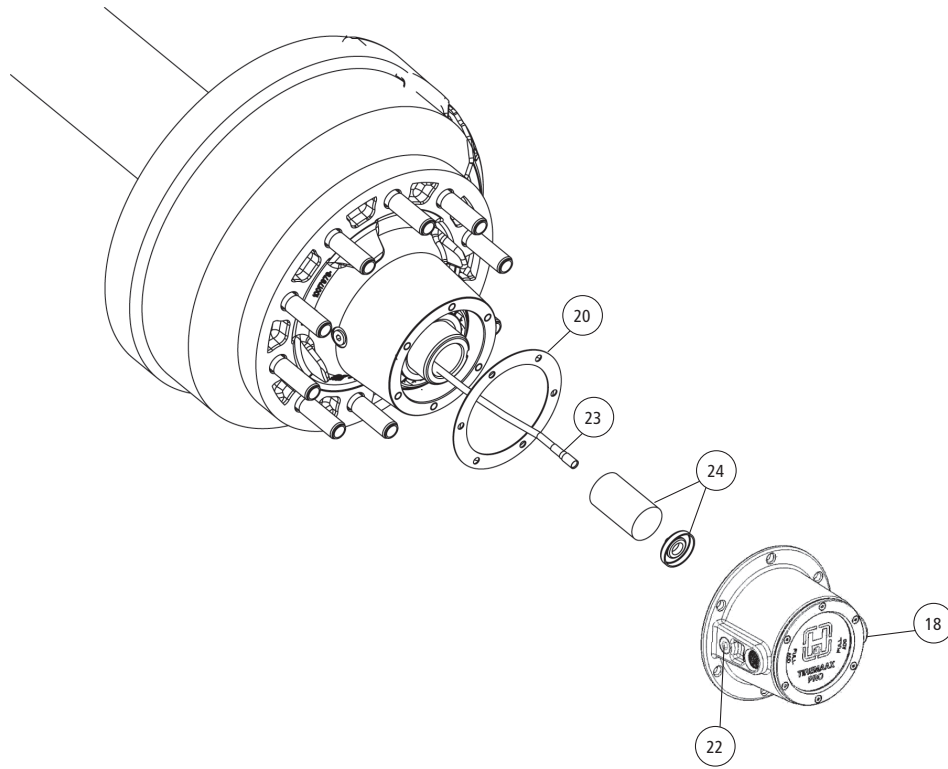




ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
4	ENCLOSURE BOX WITH LID			
	a CP (Not Shown)	VS-31845-13	1	
	b PRO	VS-31845-12	1	
	c PRO-LB (Not Shown)	VS-31845-14	1	
5	ENCLOSURE LID	VS-34953	1	
6	BALL VALVE	VS-33730	1	
7	STRAIN RELIEF	VS-29421	1	
8	TEST PORT VENT	VS-33731	1	On PRO models after February 2015
9	PETCOCK	VS-29409	1	On PRO models prior to February 2015
10	POWER HARNESS			
	a 15-foot; ABS-Ready	VS-30270	1	
	b 3-foot; ABS-Ready	VS-30270-1	1	
11	ADAPTER PLUG (Not Shown)	VS-29857	1	18-inch; 3-way connector
12	TANK VALVE	VS-31519	1	Optional on CP
13	MOUNTING BRACKET			
	a For Spring Suspensions	VS-29859	1	Optional
	b For ULTRAA-K [®] Suspension	VS-35291	1	Optional for mounting to front crossmember
14	LIQUID-FILLED PRESSURE GAUGE (Not Shown)	VS-31498	1	Optional on PRO
15	PRO-LB DAMPING TANK KIT	VS-41051-1	1	
16	TRAILER MOUNTED INDICATOR LIGHT KIT (Complete Kit Not Shown)			
	a Kit – Incandescent 12V with 60-foot Cable	VS-28059	1	Light, gasket, ground wire and 60-foot cable
	b Kit – LED 12V with 65-foot Cable	VS-28059-1	1	Light, bracket and 65-foot cable
	c Kit – LED 12V with 35-foot Cable	VS-28059-3	1	Light, bracket and 35-foot cable
	d Kit – LED 24V with 65-foot Cable	VS-28059-2	1	Light, bracket and 65-foot cable
	e Light – Incandescent 12V	VS-28526	1	Light only
	f Light – LED 12V	VS-29880	1	Light only
	g Light – LED 24V	VS-33119	1	Light only
	h Cable – LED, 65-foot	VS-29883	1	Cable only
	i Cable – LED, 35-foot	VS-29883-1	1	Cable only
	j Mounting Bracket – LED	VS-29879	1	Bracket only
17	MANIFOLD			
	a Tandem Manifold	VS-30410	1	
	b Tridem Manifold (Not Shown)	VS-30470	1	



TIREMAAX® AXLE WHEEL COMPONENTS

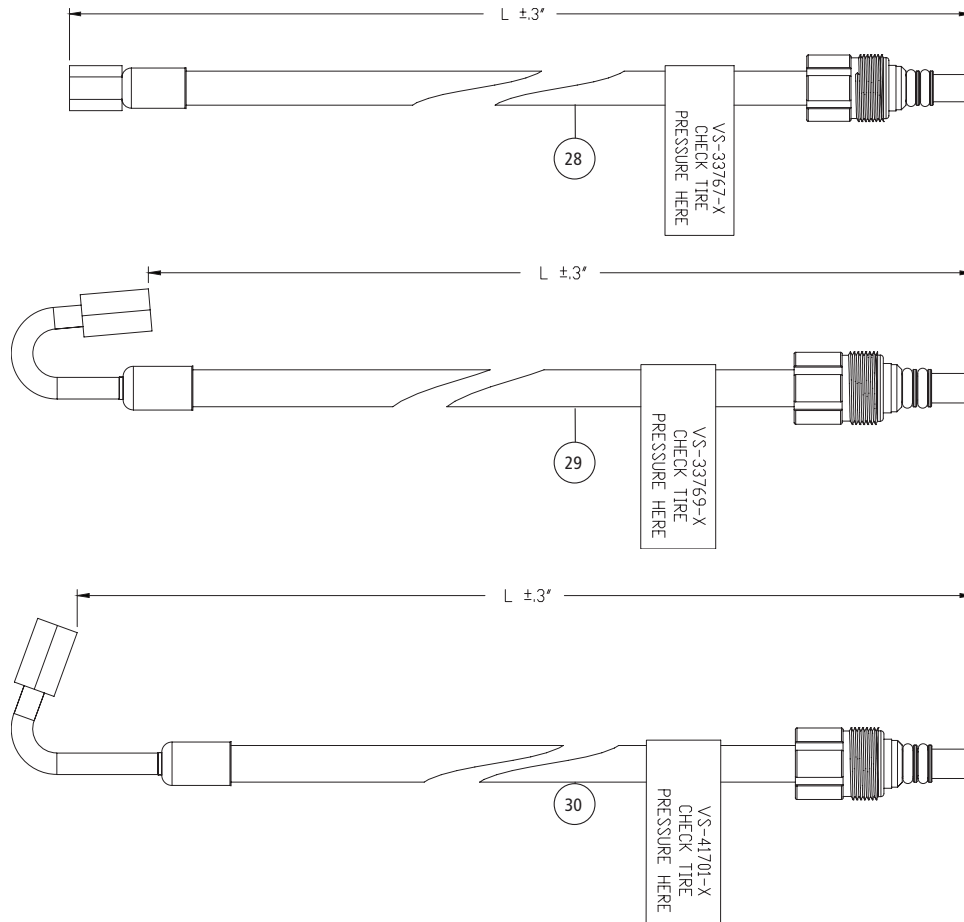




ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
18	HUBCAP			Hubcap, gasket and fasteners
a	CP HN Oil	VS-32068-1	4	
b	CP HN Grease	VS-32068-3	4	
c	CP HP Oil	VS-32070-1	4	
d	CP HP Grease	VS-32070-3	4	
e	PRO HN Oil	VS-32055-1	4	
f	PRO HN Grease	VS-32055-3	4	
g	PRO HP Oil	VS-32056-1	4	
h	PRO HP Grease	VS-32056-3	4	
i	PRO Extended HP Oil	VS-32057-1	4	For use with castle nut
j	PRO Extended HP Grease	VS-32057-3	4	For use with castle nut
k	PRO HX Grease	VS-40870-3	4	For use with Outboard Mounted Rotor
l	PRO-LB HN Oil	VS-40718-1	4	
m	PRO-LB HN Grease	VS-40718-3	4	
n	PRO-LB HP Oil	VS-40719-1	4	
o	PRO-LB HP Grease	VS-40719-3	4	
p	PRO-LB Extended HP Oil	VS-40947-1	4	For use with castle nut
q	PRO-LB Extended HP Grease	VS-40947-3	4	For use with castle nut
r	PRO-LB HX Grease	VS-41202-3	4	For use with Outboard Mounted Rotor
19	HUBCAP WINDOW REPLACEMENT KITS (Not Shown)			Hubcap lens, lens plate, tri-lobe screws
a	CP Oil	VS-32054-1	4	
b	CP Grease	VS-32054-2	4	
c	PRO Oil	VS-32054-3	4	
d	PRO Grease	VS-32054-4	4	Compatible with Outboard Mounted Rotor
e	PRO-LB Oil	VS-32054-7	4	
f	PRO-LB Grease	VS-32054-8	4	Compatible with Outboard Mounted Rotor
20	HUBCAP GASKETS			
a	HP Gasket	S-32097	4	
b	HN Gasket	S-32098	4	
c	HX Gasket	S-39364	4	For use with Outboard Mounted Rotor
21	HUBCAP PORT PROTECTION PLUG (Not Shown)	VS-33686	4	Light grey, permanent threaded nylon plug
22	HUBCAP FILL PORT PIPE PLUG	A-33074	4	
23	AXLE HOSE			
a	INTRAAAX®/VANTRAAX®	VS-32087-1	4	Requires (1) axle vent VS-32101 per axle
b	TRLAXLE®, 71.5" to 83" track	VS-32087-2	4	Requires (1) axle vent VS-32101-1 per axle
c	TRLAXLE®, 83.5" to 92" track	VS-32087-3	4	Requires (1) axle vent VS-32101-1 per axle
d	CONNEX® ST	VS-32087-4	4	Requires (1) axle vent VS-32101 per wheel-end
24	SPINDLE PLUG ASSEMBLY			
a	HN - 1.75"	VS-33092-1	2	
b	HUS/P90 and HP - 2.75"	VS-33092-2	2	
25	AXLE VENT			
a	INTRAAAX/VANTRAAX	VS-32101	2	
b	TRLAXLE	VS-32101-1	2	
26	AXLE KIT (Not Shown)			Axle hoses, filters, vent assembly, spindle plugs and air line tubing
a	INTRAAAX/VANTRAAX	VS-9201TM	2	
b	TRLAXLE, 71.5" to 83" track	VS-9202TM	2	
c	TRLAXLE, 83.5" to 92" track	VS-9204TM	2	
27	TIRE HOSE O-RING SERVICE KIT (Not Shown)	VS-34935	2	(10) O-rings per kit



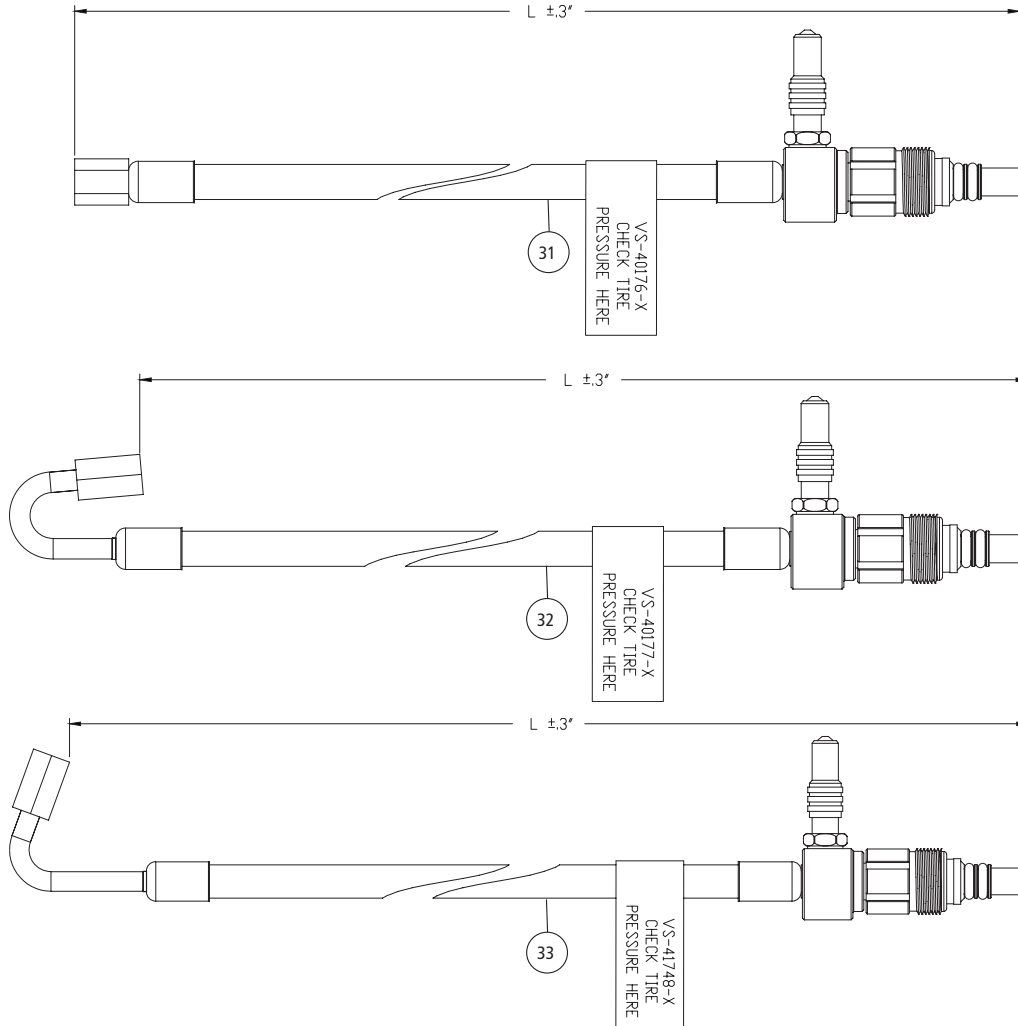
STANDARD HOSES



TIRE HOSES								
ITEM	HOSE STYLE	WHEEL STYLE	TIRE SIZE	WHEEL MATERIAL	POSITION	FITTING	QTY. PER TANDEM	THERMOPLASTIC PART NUMBER
28, 29, 30	Standard	Dual	17.5"	Steel, Aluminum or Combo	Inner	Straight	4	VS-33767-4
					Outer	180-Degree	4	VS-33769-3
			19.5"	Aluminum	Inner	Straight	4	VS-33767-4
					Outer	180-Degree	4	VS-33769-1
				Steel or Combo	Inner	Straight	4	VS-33767-2
					Outer	180-Degree	4	VS-33769-3
			22.5"	Aluminum	Inner	Straight	4	VS-33767-5
					Outer	180-Degree	4	VS-33769-1
				Steel or Combo	Inner	Straight	4	VS-33767-1
					Outer	180-Degree	4	VS-33769-1
				Alcoa ULT36 All Alum	Inner	Straight	4	VS-33767-2
					Outer	110-Degree	4	VS-41701-1
				Alcoa ULT36 Steel Combo	Inner	Straight	4	VS-33767-1
					Outer	110-Degree	4	VS-41701-1
			24.5"	Aluminum	Inner	Straight	4	VS-33767-2
					Outer	180-Degree	4	VS-33769-2
		Steel or Combo		Inner	Straight	4	VS-33767-1	
				Outer	180-Degree	4	VS-33769-1	
		Super Single	22.5"	Aluminum	N/A	Straight	4	VS-33767-3
				Steel	Inboard Stem	Straight	4	VS-33767-3
Outboard Stem	180-Degree				4	VS-33769-1		



INTEGRAL CHECK PORT HOSES



TIRE HOSES								
ITEM	HOSE STYLE	WHEEL STYLE	TIRE SIZE	WHEEL MATERIAL	POSITION	FITTING	QTY PER TANDEM	THERMOPLASTIC PART NUMBER
31, 32, 33	Integral Check Port	Dual	22.5"	Aluminum	Inner	Straight	4	VS-40176-2
					Outer	180-Degree	4	VS-40177-1
				Steel or Combo	Inner	Straight	4	VS-40176-3
					Outer	180-Degree	4	VS-40177-1
				Alcoa ULT36 All Alum	Inner	Straight	4	VS-40176-4
					Outer	110-Degree	4	VS-41748-1
		Alcoa ULT36 Steel Combo	Inner	Straight	4	VS-40176-3		
			Outer	110-Degree	4	VS-41748-1		
		Super Single	22.5"	Aluminum	N/A	Straight	4	VS-40176-1
					Steel	Inboard Stem	Straight	4
Outboard Stem	180-Degree					4	VS-40177-1	



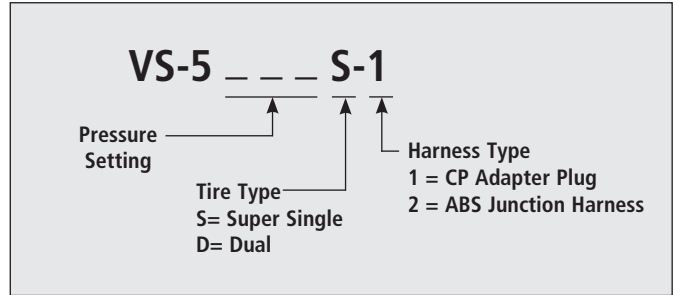
TIRE HOSE KITS							
ITEM	HOSE STYLE	WHEEL STYLE	TIRE SIZE	WHEEL MATERIAL	QTY PER TANDEM	THERMOPLASTIC PART NUMBER	NOTE
34	Standard	Dual	17.5"	Steel, Aluminum or Combo	2	VS-8301TM	(2)VS-33767-4 and (2)VS-33769-3
			19.5"	Aluminum	2	VS-8302TM	(2)VS-33767-4 and (2)VS-33769-1
				Steel or Combo	2	VS-8303TM	(2)VS-33767-2 and (2)VS-33769-3
			22.5"	Aluminum	2	VS-8304TM	(2)VS-33767-5 and (2)VS-33769-1
				Steel or Combo	2	VS-8305TM	(2)VS-33767-1 and (2)VS-33769-1
				Alcoa ULT36 All Alum	2	VS-8309TM	(2)VS-33767-2 and (2)VS-41701-1
		24.5"	Alcoa ULT36 Steel Combo	2	VS-8310TM	(2)VS-33767-1 and (2)VS-41701-1	
			Aluminum	2	VS-8306TM	(2)VS-33767-2 and (2)VS-33769-2	
			Steel or Combo	2	VS-8305TM	(2)VS-33767-1 and (2)VS-33769-1	
		Super Single	22.5"	Aluminum	2	VS-8307TM	(2)VS-33767-3
				Steel (Inboard Stem)	2	VS-8307TM	(2)VS-33767-3
				Steel (Outboard Stem)	2	VS-8308TM	(2)VS-33769-1
	Integral Check Port	Dual	22.5"	Aluminum	2	VS-8404TM	(2)VS-40176-2 and (2)VS-40177-1
				Steel or Combo	2	VS-8405TM	(2)VS-40176-3 and (2)VS-40177-1
				Alcoa ULT36 All Alum	2	VS-8409TM	(2)VS-40176-4 and (2)VS-41748-1
				Alcoa ULT36 Steel Combo	2	VS-8410TM	(2)VS-40176-3 and (2)VS-41748-1
		Super Single	22.5"	Aluminum	2	VS-8407TM	(2)VS-40176-1
				Steel (Inboard Stem)	2	VS-8407TM	(2)VS-40176-1
			Steel (Outboard Stem)	2	VS-8408TM	(2)VS-40177-1	



ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
1	EC to CP Retrofit Kit		1	

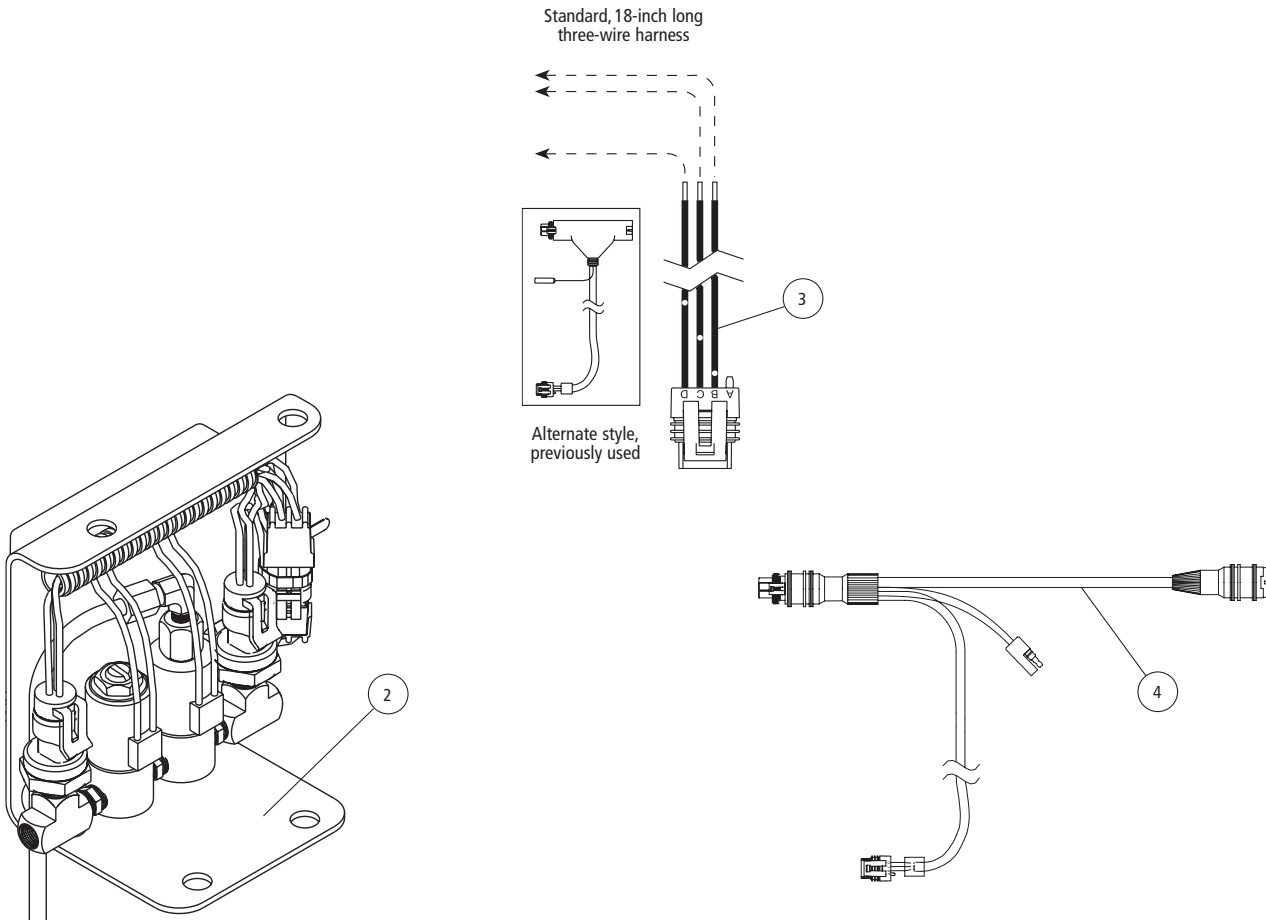
Model	PSI Range
TIREMAX EC	70 to 130

Offered in 5 psi increments.



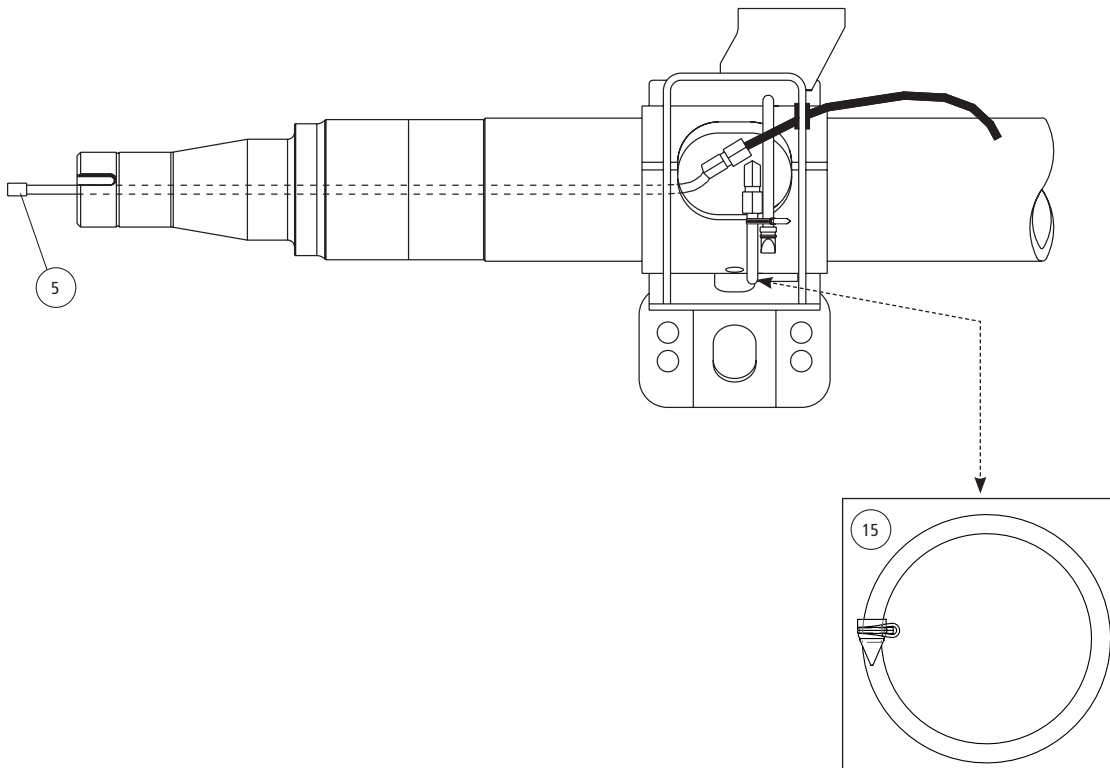
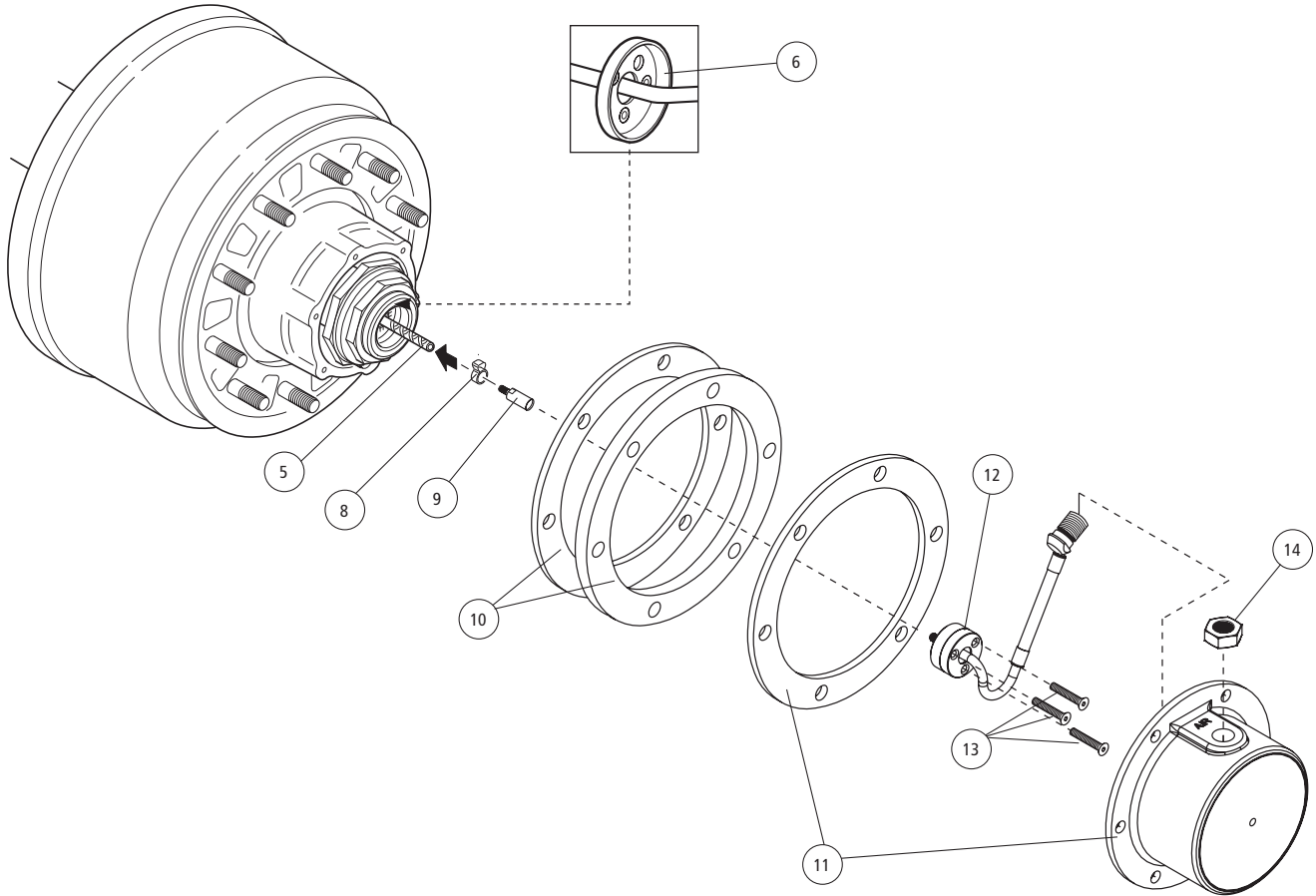
Example: Conversion Kit Part Number VS-5100S-1 is 100 psi for Super Single with CP Adapter Plug.

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
2	EC Controller Assembly			No longer available — replace with item 1
3	EC Adapter Plug	VS-27771	1	18-inch; 4-way connector
4	EC ABS Junction Harness	VS-29884	1	15-foot; 4-way connector





TIREMAX[®] EC

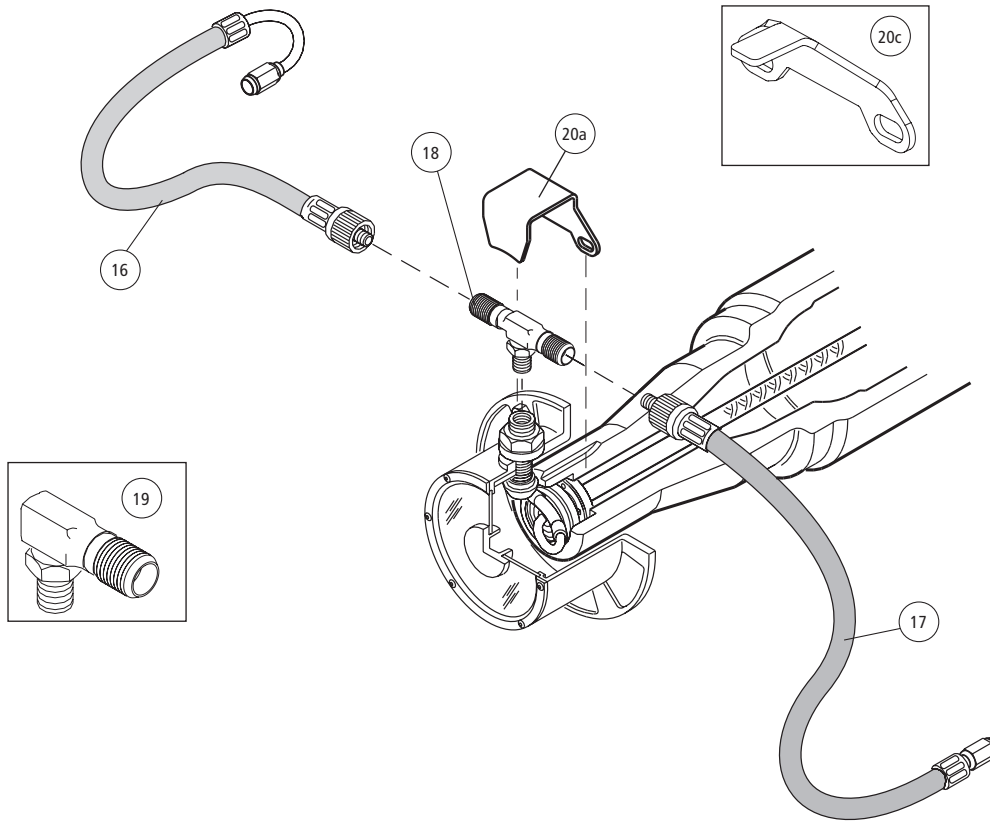




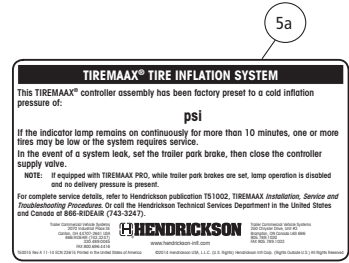
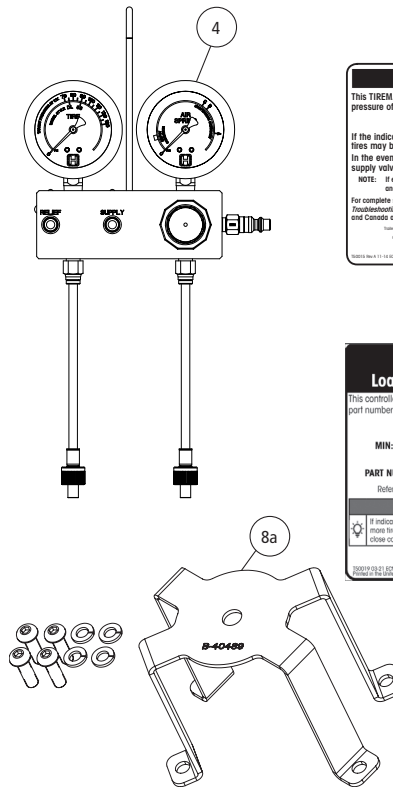
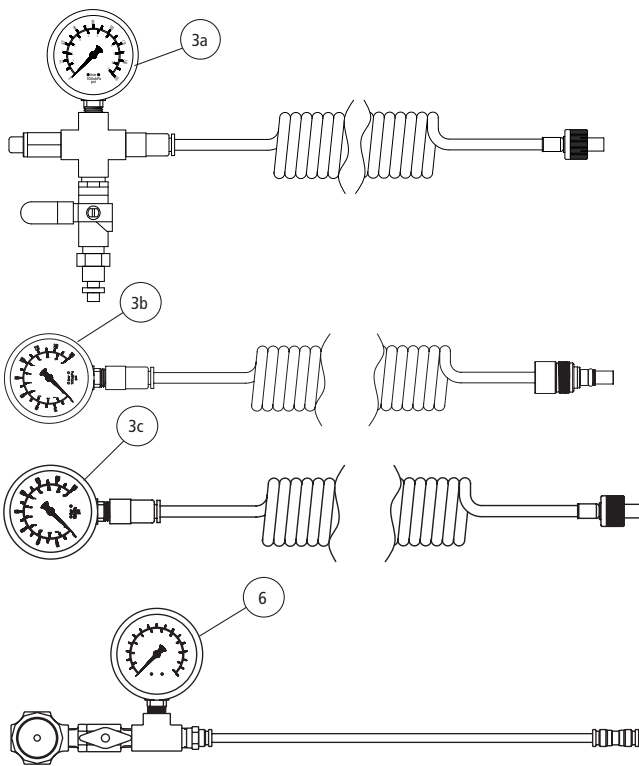
ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
5	AXLE HOSE			
	a INTRAAX® / VANTRAAX®	VS-29094-1	4	
	b TRLAXLE®	VS-29094-2	4	
6	SPINDLE PLUG ASSEMBLY			
	a HN - 1.75"	VS-27448	4	
	b HP - 2.50"	VS-27839	4	
	c HUS/P90 and HP - 2.75"	VS-27449	4	
7	AXLE FILTER (Not Shown)	A-24217	4	
8	AXLE HOSE CLAMP	VS-26451	4	Not required with threaded axle hose
9	HOSE END ADAPTER	VS-28865	4	Axle hose fitting and (2) axle hose clamps
10	HUBCAP SPACER KIT			
	a HN Hubcap Spacer Kit	S-28040	4	
	b HP Hubcap Spacer Kit	S-28093	4	
11	HUBCAP			
	a HN Grease - Standard	VS-29566-1	4	Bolt-on hubcap, gasket and fasteners
	b HN Oil - Standard	VS-29566-3	4	Bolt-on hubcap, gasket and fasteners
	c HP Grease - Standard	VS-29566-2	4	Bolt-on hubcap, gasket and fasteners
	d HP Oil - Standard	VS-29566-4	4	Bolt-on hubcap, gasket and fasteners
	e HUS/P90 Screw-on	(No Longer Available)	4	Contact Hendrickson Technical Service
	f HUS/P90 6-bolt	VS-29566-2	4	Bolt-on hubcap, gasket and fasteners
	g HUS/P90 3-bolt	S-29227-2	4	Bolt-on hubcap with integrated o-ring
	h HN Grease - Stemco Extended for Pro-Torq® Nut	(No Longer Available)		Replaced by 11a and 10a
	i HP Grease - Stemco Extended for Pro-Torq Nut	(No Longer Available)		Replaced by 11c and 10b
	j HN Oil - Stemco Extended for Pro-Torq Nut	(No Longer Available)		Replaced by 11b and 10a
	k HP Oil - Stemco Extended for Pro-Torq Nut	(No Longer Available)	4	Replaced by 11d and 10b
12	ROTARY UNION KITS			
	a No Spindle Plug	S-28622	4	(1) rotary union assembly, (1) hose clamp, (4) machine screws, (1) hose end adapter and (1) jam nut
	b HN Spindle Plug	S-28192	4	(1) rotary union assembly, (1) 1.75" spindle plug, (1) hose clamps, (4) machine screws, (1) hubcap gasket, (1) hose end adapter and (1) jam nut
	c HP and HUS/P90 Spindle Plug	S-28193	4	(1) rotary union assembly, (1) 2.75" spindle plug, (1) hose clamps, (4) machine screws, (1) hubcap gasket, (1) hubcap o-ring, (1) hose end adapter and (1) jam nut
13	COUNTERSUNK CAP SCREW	SA-8200-8	12	Order (3) per rotary union
14	JAM NUT	VS-26487	4	
15	AXLE VENT KIT W/ DUCK BILL CHECK	VS-27378	4	



TIREMAAX® EC AND CP



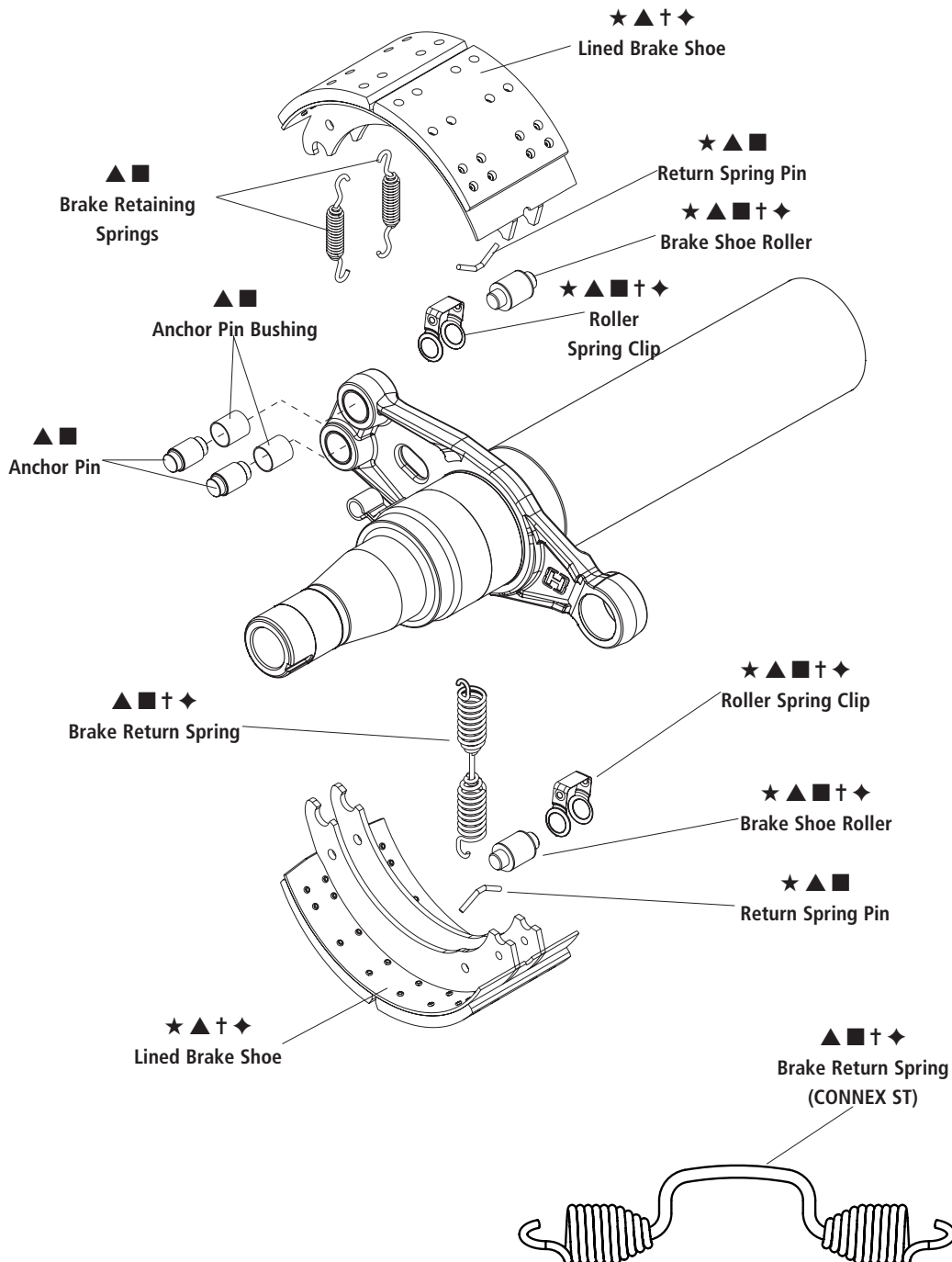
ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
16	TIRE HOSE - 180-DEGREE FITTING			
a	Stainless Steel Tire Hose 11.5"	VS-29004-1	4	Dual tire size 17" - 19.5"
b	Stainless Steel Tire Hose 15"	VS-29004-2	4	Dual tire size greater than 19.5"
17	TIRE HOSE - STRAIGHT FITTING			
a	Stainless Steel Tire Hose 16.6"	VS-29003-1	4	Dual tire size greater than 17"; Super single tire size 22.5"
18	TEE FITTING	VS-29854	4	For dual tires
19	90-DEGREE ELBOW FITTING	VS-30002	4	For super single tires
20	TEE FITTING GUARD			
a	HN and HP, Standard Bolt-On	VS-27890	4	For use with dual dynamic hubcaps
b	HN and HP, Extended Bolt-On (Not Shown)	VS-30451	4	For use with Stemco extended hubcaps
c	HUS Bolt-on	S-28914	4	6 bolts



ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
1	PLUG DRIVER			
a	HN (1.75")	S-28146-1	1	
b	HP (2.50")	S-28146-2	1	
c	HP and HUS® / P90 (2.75")	S-28146-3	1	
d	Driver Handle	S-27399	1	
2	SPANNER WRENCH	S-29430	1	
3	TARGET GAUGE			
a	PRO	VS-32331	1	
b	CP with Hubcap-Mounted Rotary Union	VS-32344	1	
c	CP with Spindle-Mounted Rotary Union	VS-30468	1	
4	PRO-LB / PRO FIELD ADJUSTMENT TOOL	VS-41241-1	1	
5	DECAL			
a	PRO / CP Blank PSI Decal	T50015	1	Fill in and adhere to controller lid after resetting cold tire pressure
b	PRO-LB Blank PSI Decal	T50019	1	Fill in and adhere to controller lid after resetting cold tire pressure
6	PRESSURE TESTER	VS-28707	1	For EC controller
7	TIRE HOSE / WHEEL GROMMET (Not Shown)			
a	1.5" Hand Hole with Offset Valve Stem	VS-33675	2	(2) Grommets per kit
b	2.0" Hand Hole with Centered Valve Stem	VS-33107	2	(2) Grommets per kit
c	2.5" Hand Hole with Centered Valve Stem	VS-33108	2	(2) Grommets per kit
d	2.5" Hand Hole with Offset Valve Stem	VS-33109	2	(2) Grommets per kit
8	CP / PRO / PRO-LB HUBODOMETER MOUNTING BRACKET KITS			For models with hubcap-mounted rotary union
a	HN	VS-41837-1	1	Bracket and fasteners
b	HP	VS-41837-2	1	Bracket and fasteners
c	Extended HP	VS-41837-3	1	Bracket and fasteners
d	HX	VS-41837-4	1	Bracket and fasteners. For use with Outboard Mounted Rotor.



★	Brake Shoe Kits Contain: (2) lined brake shoes, (2) brake shoe rollers, (2) roller spring clips and (2) return spring pins
▲	Major Overhaul Brake Shoe Kits Contain: (2) lined brake shoes, (2) brake shoe rollers, (2) roller spring clips, (2) return spring pins (2) anchor pins, (2) anchor pin bushings, (1) brake return spring and (2) brake retaining springs
■	Minor Overhaul Hardware Kits Contain: (2) brake shoe rollers, (2) roller spring clip, (2) return spring pins, (2) anchor pins, (2) anchor pin bushings, (1) brake return spring and (2) brake retaining springs
†	Brake Conversion Kits without S-cams Contain: (4) lined brake shoes, (4) brake shoe rollers, (4) roller spring clips, (4) return spring pins and (2) HXS brake return springs
◆	Brake Conversion Kits with S-cams Contain: (4) lined brake shoes, (4) brake shoe rollers, (4) roller spring clips, (4) return spring pins, (2) HXS brake return springs, (1) S-cam left, (1) S-cam right and (2) underhead cam washers





BRAKE KITS (Original Equipment Linings) (INTRAAX®, VANTRAAX® and TRLAXLE®)

LINING	FMSI	SIZE	SERVICE TYPE	★ BRAKE SHOE KIT	▲ MAJOR OVERHAUL BRAKE KIT	■ MINOR OVERHAUL HARDWARE BRAKE KIT	† BRAKE CONVERSION TO HXS® w/out S-CAMS	◆ BRAKE CONVERSION TO HXS w/ S-CAMS
15,000 GAWR	4524	16.5" x 5"	STD	S-40955-1	S-40956-1	S-23752	N/A	N/A
20,000 GAWR	4515	16.5" x 7"	STD	S-21266-1	S-21184-1	S-23752	N/A	N/A
	4692	12.25" x 7.5"	HXS®	S-32486-3	S-31962-3	S-32487-3	N/A	N/A
	4707	16.5" x 7"	HXS	S-23750-1	S-23753-1	S-23752	S-25823-1	S-23756-1
	4710	15" x 8.625"	HXS	S-27808-1	S-27783-1	S-23752	N/A	N/A
	4711	16.5" x 8.625"	HXS	S-23751-1	S-23754-1	S-23752	S-25824-1	S-23757-1
23,000 GAWR	4707	16.5" x 7"	HXS	S-23750-3	S-23753-3	S-23752	S-25823-3	N/A
	4711	16.5" x 8.625"	HXS	S-23751-3	S-23754-3	S-23752	S-25824-3	N/A
26,000 GAWR	4707	16.5" x 7"	HXS	S-23750-9	S-23753-9	S-23752	S-25823-9	N/A
	4711	16.5" x 8.625"	HXS	S-23751-9	S-23754-9	S-23752	S-25824-9	N/A
ULTRA 20	4707	16.5" x 7"	HXS	S-23750-2	S-23753-2	S-23752	S-25823-2	N/A
	4711	16.5" x 8.625"	HXS	S-23751-2	S-23754-2	S-23752	S-25824-2	N/A

BRAKE KITS FOR SHOES WITH AAXTREME COAT® (INTRAAX, VANTRAAX and TRLAXLE)

LINING	FMSI	SIZE	SERVICE TYPE	★ BRAKE SHOE KIT w/ AAXTREME-COAT	▲ MAJOR OVERHAUL BRAKE KIT w/ AAXTREME COAT	† BRAKE CONVERSION TO HXS w/out S-CAMS w/ AAXTREMECOAT	◆ BRAKE CONVERSION TO HXS w/ S-CAMS w/ AAXTREMECOAT
20,000 GAWR	4707	16.5" x 7"	HXS	S-34585-1	S-34586-1	S-34587-1	S-34588-1
	4711	16.5" x 8.625"		S-34589-1	S-34590-1	S-34591-1	S-34592-1
23,000 GAWR	4707	16.5" x 7"	HXS	S-34585-3	S-34586-3	S-34587-3	S-34588-3
	4711	16.5" x 8.625"		S-34589-3	S-34590-3	S-34591-3	S-34592-3
ULTRA 20	4707	16.5" x 7"	HXS	S-34585-2	S-34586-2	S-34588-2	S-34588-2
	4711	16.5" x 8.625"		S-34589-2	S-34590-2	S-34591-2	S-34592-2

BRAKE KITS (OE Linings) (CONNEX® ST)

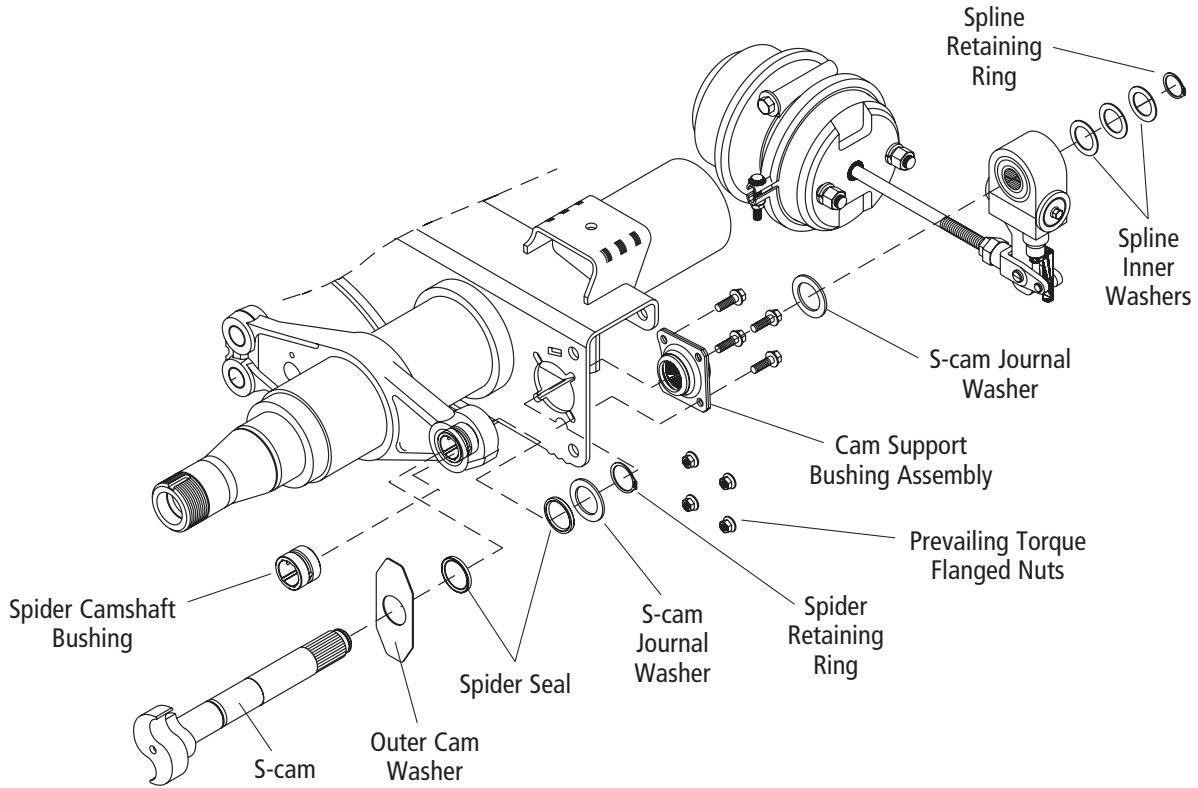
LINING	FMSI	SIZE	SERVICE TYPE	★ BRAKE SHOE KIT	▲ MAJOR OVERHAUL BRAKE KIT	■ MINOR OVERHAUL HARDWARE BRAKE KIT	† BRAKE CONVERSION TO HXS w/out S-CAMS	◆ BRAKE CONVERSION TO HXS w/ S-CAMS
20,000 GAWR	4707	16.5" x 7"	HXS	S-23750-1	S-37632-1	S-37633	S-37634-1	S-37635-1
23,000 GAWR	4707	16.5" x 7"	HXS	S-23750-3	S-37632-3	S-37633	S-37634-3	S-37635-3

BRAKE KITS FOR SHOES WITH AAXTREME COAT (CONNEX ST)

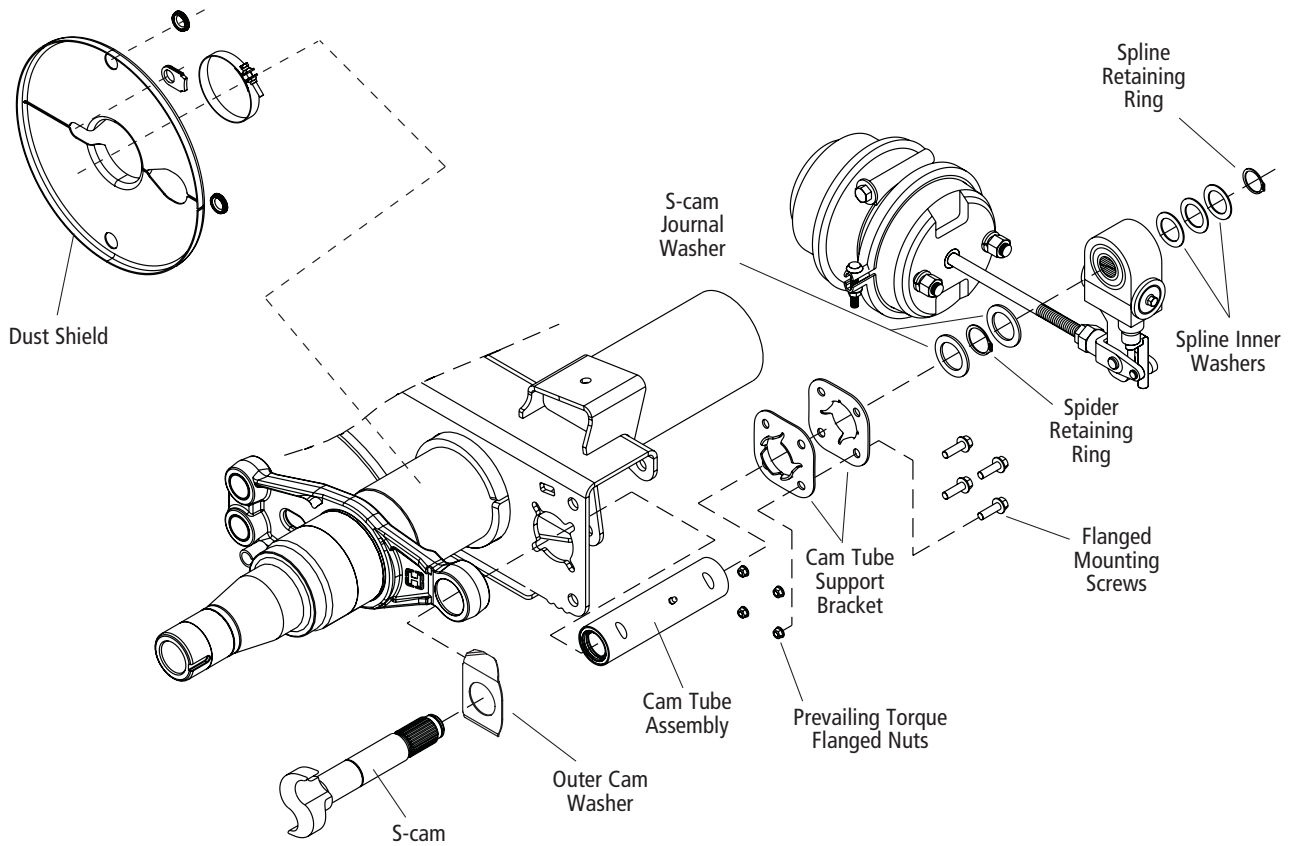
LINING	FMSI	SIZE	SERVICE TYPE	★ BRAKE SHOE KIT w/ AAXTREME-COAT	▲ MAJOR OVERHAUL BRAKE KIT w/ AAXTREMECOAT	■ MINOR OVERHAUL HARDWARE BRAKE KIT	† BRAKE CONVERSION TO HXS w/out S-CAMS w/ AAXTREME COAT	◆ BRAKE CONVERSION TO HXS w/ S-CAMS w/ AAXTREME COAT
20,000 GAWR	4707	16.5" x 7"	HXS	S-34585-1	S-37636-1	S-37633	S-37637-1	S-37638-1
23,000 GAWR	4707	16.5" x 7"	HXS	S-34585-3	S-37636-3	S-37633	S-37637-3	S-37638-3



CAM SYSTEM (Models shipped before April 2001)

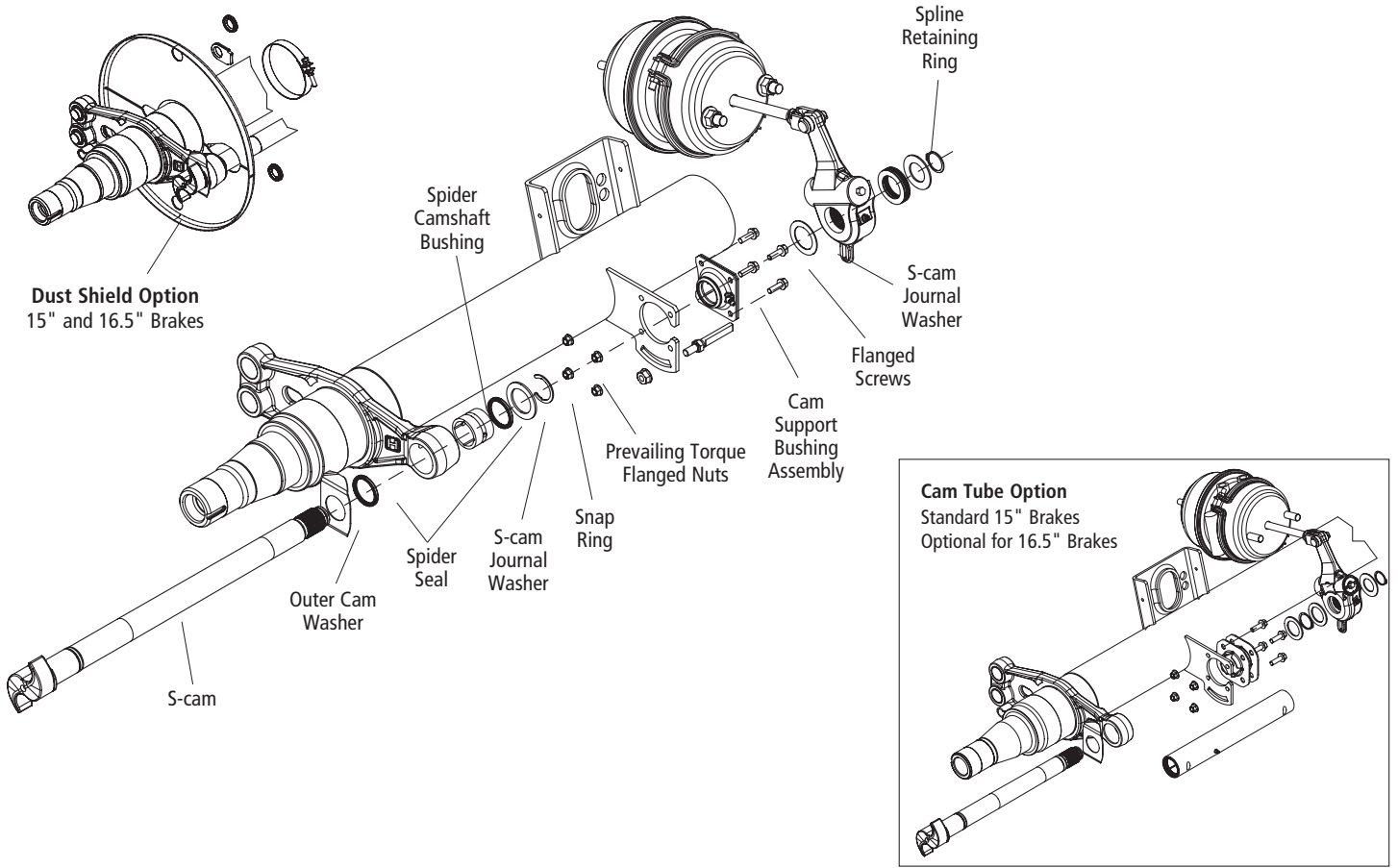


CAM TUBE SYSTEM™ INTRAAX® AND VANTRAAX®

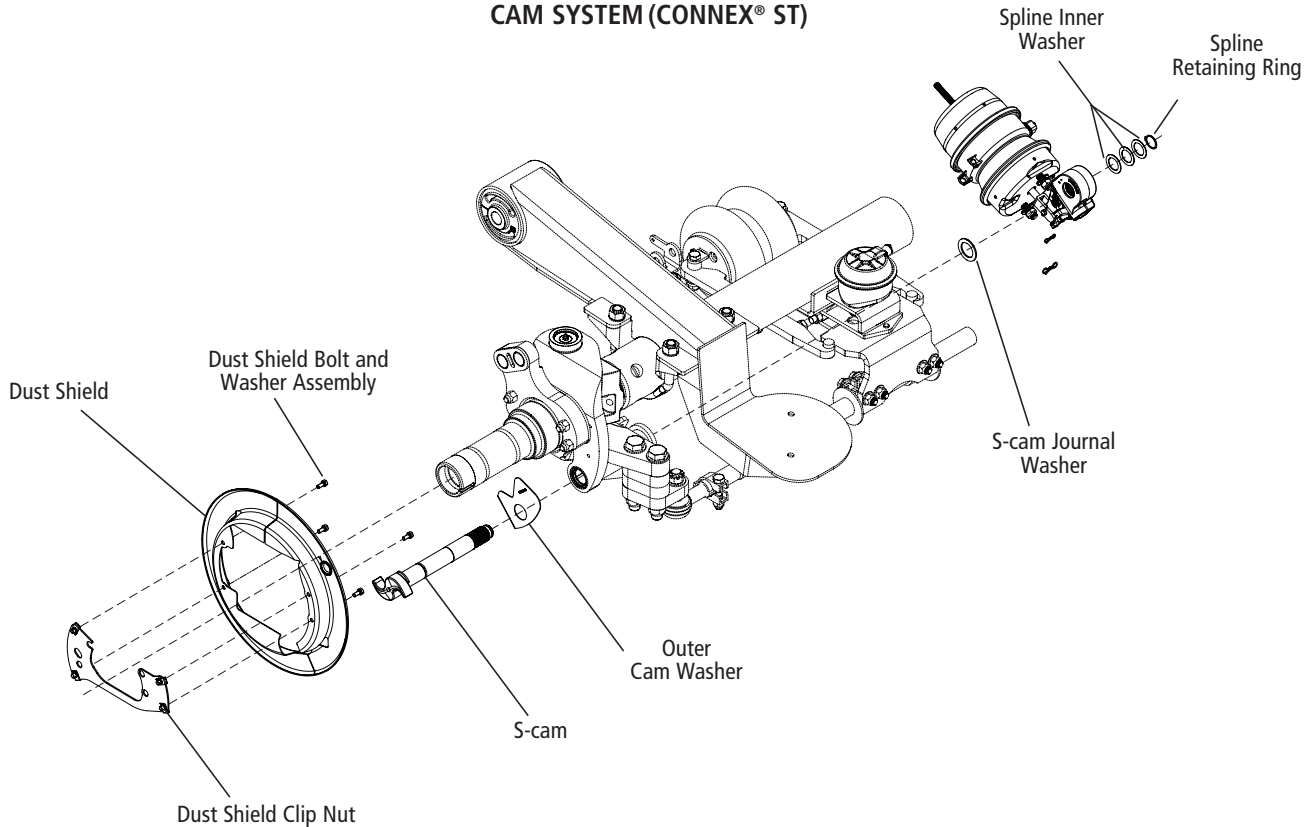




CAM SYSTEM TRLAXLE®



CAM SYSTEM (CONNEX® ST)





S-CAM COMPONENTS

1a S-CAM (INTRAAX® & VANTRAAX®)				
BRAKE SIZE	15-inch			
SPLINE SIZE			QTY.	NOTES
28	S-25024-1L	S-25024-1R	1	HXS® Hendrickson Extended Service™ brakes
BRAKE SIZE	16-inch			
10	S-23857-1L	S-23857-1R	1	Standard and HXS brakes; sold outside the United States
28	S-24636-1L	S-24636-1R	1	Standard and HXS brakes

1b S-CAM (TRLAXLE®)				
BRAKE SIZE	16.50 × 7.00 or 16.50 × 8.63			
S-CAM SUPPORT	CAM BRACKET ONLY		CAM TUBE	
S-CAM SPLINE	10 Spline	28 Spline	10 Spline	28 Spline
S-CAM UNDERHEAD LENGTH	<i>(Left Side / Right Side)</i>		<i>(Left Side / Right Side)</i>	
6.625"		S-30594-1L / 1R		
7"		S-30594-2L / 2R		
7.5"		S-30594-3L / 3R		
9"		S-30594-4L / 4R		
10.25"		S-30594-5L / 5R		
11.125"		S-30594-6L / 6R		S-30594-33L / 33R
15.625"		S-30594-7L / 7R		
16.625"		S-30594-50L / 50R		
17.625"		S-30594-8L / 8R		S-30594-34L / 34R
20.625"	S-30671-1L / 1R	S-30594-9L / 9R	S-30671-6L / 6R	S-30594-35L / 35R
20.75"		S-30594-54L / 54R		
21.5"		S-30594-10L / 10R		S-30594-63L / 63R
21.625"		S-30594-11L / 11R		
22.375"		S-30594-56L / 56R		
22.625"	S-30671-2L / 2R	S-30594-12L / 12R	S-30671-22L / 22R	S-30594-57L / 57R
22.875"		S-30594-45L / 45R		
23.375"		S-30594-13L / 13R		
23.5"		S-30594-14L / 14R		
23.75"	S-30671-3L / 3R	S-30594-15L / 15R	S-30671-7L / 7R	S-30594-36L / 36R
24"	S-30671-4L / 4R			
24.125"		S-30594-16L / 16R		
24.25"		S-30594-17L / 17R		S-30594-58L / 58R
24.625"		S-30594-59L / 59R		
25.25"		S-30594-18L / 18R		
25.5"		S-30594-19L / 19R		
26"		S-30594-20L / 20R		
26.5"	S-30671-5L / 5R	S-30594-21L / 21R	S-30671-8L / 8R	S-30594-37L / 37R
27"		S-30594-22L / 22R		
28.375"		S-30594-23L / 23R		
28.5"		S-30594-24L / 24R		
29"		S-30594-25L / 25R		
29.5"		S-30594-26L / 26R		
30"		S-30594-27L / 27R		S-30594-64L / 64R



S-CAM COMPONENTS (Continued)

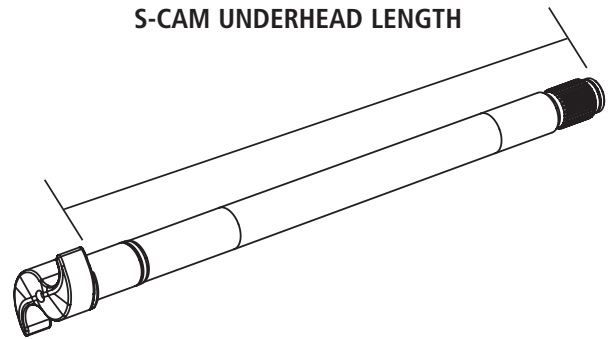
1c S-CAM (TRLAXLE®)				
BRAKE SIZE	16.50 × 7.00 or 16.50 × 8.63			
S-CAM SUPPORT	CAM BRACKET ONLY		CAM TUBE or CAM TUBE B2A PREP	
S-CAM SPLINE	10 Spline	28 Spline	10 Spline	28 Spline
S-CAM UNDERHEAD LENGTH	<i>(Left Side / Right Side)</i>		<i>(Left Side / Right Side)</i>	
30.5"		S-30594-28L / 28R		
32"		S-30594-29L / 29R		
32.5"		S-30594-30L / 30R		
33.375"		S-30594-31L / 31R		
35.5"		S-30594-32L / 32R		

1c S-CAM (TRLAXLE®)				
BRAKE SIZE	12.25 × 7.50			
S-CAM SUPPORT	CAM BRACKET ONLY		CAM TUBE or CAM TUBE B2A PREP	
S-CAM SPLINE	10 Spline	28 Spline	10 Spline	28 Spline
S-CAM UNDERHEAD LENGTH	<i>(Left Side / Right Side)</i>		<i>(Left Side / Right Side)</i>	
7"		S-31110-1L / 1R		
7.5"	S-31111-1L / 1R	S-31110-2L / 2R		
9"	S-31111-2L / 2R			
11.75"	S-31111-3L / 3R			
16.375"		S-31110-3L / 3R		
17.625"				S-31110-30L / 30R
19.375"		S-31110-43L / 43R		
20.625"		S-31110-4L / 4R	S-31111-21L/21R	S-31110-34L / 34R
20.75"		S-31110-35L / 35R		
21.5"	S-31111-4L / 4R	S-31110-5L / 5R		
22.25"		S-31110-6L / 6R		
22.625"				S-31110-36L/36R
23.375"	S-31111-5L / 5R	S-31110-7L / 7R		
23.75"	S-31111-6L / 6R	S-31110-8L / 8R	S-31111-8L / 8R	S-31110-16L / 16R
26"		S-31110-9L / 9R		
26.5"	S-31111-7L / 7R	S-31110-10L / 10R	S-31111-23L / 23R	S-31110-41L / 41R
27.75"		S-31110-11L / 11R		
28.25"		S-31110-12L / 12R		
29"		S-31110-13L / 13R		
30"				
31"		S-31110-14L / 14R		
32.5"		S-31110-15L / 15R		



S-CAM COMPONENTS (Continued)

1d S-CAM (TRLAXLE)		
BRAKE SIZE	15.00 × 8.63	
S-CAM SUPPORT	CAM TUBE	
S-CAM SPLINE	10 Spline	28 Spline
S-CAM UNDERHEAD LENGTH	<i>(Left Side / Right Side)</i>	
23.75"	S-31946-1L / 1R	S-31902-1L / 1R
26.5"	S-31946-3L / 3R	S-31902-3L / 3R



1e S-CAM (CONNEX® ST)		
BRAKE SIZE	16.5 × 7	
SPLINE SIZE		QTY
28	S-24636-1L / 1R	1

2a CAM TUBE SERVICE KIT (INTRAAX® & VANTRAAX®)		
BRAKE SIZE	PART NUMBER	QUANTITY PER WHEEL-END
Models shipped after April 2001		
16.5"	S-28890	1
15"	S-28891	1
Severe Service		
16.5"	S-31703	1
15"	S-31706	1
Kit Component List	Cam tube assembly, cam tube support brackets, outer cam washer, spider retaining ring, inner spline washer, spline retaining ring, S-cam journal washer, screws and nuts	

2b STANDARD SERVICE CAM TUBE (TRLAXLE®)					
BRAKE SIZE	16.5"		15"		QUANTITY
S-CAM SPLINE	10	28	10	28	
S-CAM UNDERHEAD LENGTH	PART NUMBER				
11.125"	S-35322-1	S-35322-6			1
17.625"	S-35322-2	S-35322-7			1
20.625"	S-35322-3	S-35322-8			1
23.75"	S-35322-4	S-35322-9	S-35322-4	S-35322-9	1
26.5"	S-35322-5	S-35322-10	S-35322-5	S-35322-10	1
Kit Component List	Cam tube sub-kit, support brackets, cam tube assembly and cam installation procedure				



S-CAM COMPONENTS (Continued)

2c SEVERE SERVICE CAM TUBE (TRLAXLE)			
BRAKE SIZE	16.5" or 12.25"		QUANTITY
S-CAM SPLINE	10	28	
S-CAM UNDERHEAD LENGTH	PART NUMBER		
23.75"	S-32122-5	S-32122	1
17.625"	S-32122-6	S-32122-1	1
20.625"	S-32122-7	S-32122-2	1
22.625"	S-32122-8	S-32122-3	1
26.5"	S-32122-9	S-32122-4	1
Kit Component List	Cam tube sub-kit, plate mounting cam bracket, cam tube assembly and cam installation procedure		

2d NON CAM TUBE OVERHAUL KIT (TRLAXLE)		
BRAKE SIZE	16.5" and 12.25"	QUANTITY
S-CAM UNDERHEAD LENGTH	PART NUMBER	
Any	S-31964	1
Kit Component List	Cam bearing assembly, screws, nuts, snap ring, washers, cam washer, spline retaining ring, spider retaining ring, bushing spider and cam bushing seal	

3 S-CAM OVERHAUL KITS (INTRAAX® & VANTRAAX®)			
OUTSIDE DIMENSION OF SPIDER BUSHING	PART NUMBER		QUANTITY
	Per Axle	Per Wheel	
Shipped before 11-24-1997			
1.88"	S-21181	S-21181/2	1
Shipped between 11-21-1997 and 4-1-2001			
2.00"	S-23974	S-23974/2	1
Kit Component List	Outer cam washer, spider seals, camshaft bushing, S-cam journal washer, spider retaining ring, spline inner washer, spline retaining ring and S-cam support bushing assembly		

4a CLAMP ON DUST SHIELD KIT – DRUM BRAKES			
AXLE DIAMETER	PART NUMBER	QUANTITY PER AXLE	NOTES
15" Brake			
5" Axle	S-28500-1550	1	Includes (1) dust shield and hardware
16.5" Brake			
5" Axle	S-28500-1650	1	Replaces S-23579/2; Includes (1) dust shield and hardware
5.75" LDA™ Large-Diameter Axle	S-28500-1657	1	Includes (1) dust shield and hardware

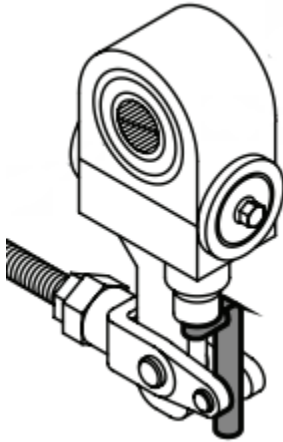

S-CAM COMPONENTS (Continued)

4b DUST SHIELD KIT (CONNEX® ST)		
PART NUMBER	QUANTITY PER AXLE	NOTES
S-37611-1650L	1	Includes (1) left side upper and lower dust shield and hardware
S-37611-1650R	1	Includes (1) right side upper and lower dust shield and hardware

4e DUST SHIELD HARDWARE KIT (CONNEX ST)		
PART NUMBER	QUANTITY PER AXLE	NOTES
S-37610-500	2	Includes (2) plugs, (4) clip nuts and (4) bolt and washer assemblies.



BRAKE ADJUSTERS



NOTE: Look for the suppliers' embossed logo or etched part number on the brake adjuster to help determine the correct Hendrickson part number.

AUTOMATIC BRAKE ADJUSTERS - INTRAAX®, VANTRAAX®, ULTRAA-K® & INTRAAX® SP (Drum Brakes Only)

BRAND	LENGTH	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	5.5" std.	10 spline; includes slack only	C-29673	K043123	2
		28 spline; includes slack only	S-29628	K031529	2
	6.0"	10 spline; includes slack only	C-29674	K043085	2
		28 spline; includes slack only	S-29622-2	K047390	2
Gunite	5.5" std.	10 spline; includes unhanded slack, inner sleeve and outer nut	S-15191-1	SA-10602	2
		28 spline; includes unhanded slack, inner sleeve and outer nut	S-21398-1	SA-10802	2
	6.0"	10 spline; includes unhanded slack, inner sleeve and outer nut	S-15191-2	SA-10603	2
		28 spline; includes unhanded slack, inner sleeve and outer nut	S-21398-2	SA-10803	2
Haldex "SABA"	5.5" std.	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-15192-3	409-20000	2
		28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-21399-3	409-20002	2
	6.0"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-15192-4	409-20004	2
		28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-21399-4	409-20006	2
Hendrickson Standard	5.5" std.	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37477-1	WBA07140S	2
		28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37478-1*	-	2
	6.0"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37477-2	WBA07125S	2
		28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37478-2	WBA07115S	2
WABCO	5.5" std.	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-38618-1	4332251020	2
	5.5" std.	28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-38619-1	4332250990	2

NOTE: Cross reference numbers include slack only.

* Private label through TSE.



AUTOMATIC BRAKE ADJUSTERS - TRLAXLE® & CONNEX® (Drum Brakes Only)

BRAND	LENGTH	BRAKE SIZE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	5.5"	15.00" x 8.63" 16.50" x 7.00"	10 spline; includes slack only	C-29673	K043123	2
			28 spline; includes slack only	S-29628	K031529	2
	6.0"	16.50" x 8.63"	10 spline; includes slack only	C-29674	K043085	2
			28 spline; includes slack only	S-29622-2	K047390	2
Gunitite	5.5"	15.00" x 8.63" 16.50" x 7.00"	10 spline; includes unhanded slack, inner sleeve and outer nut	S-15191-1	SA-10602	2
			28 spline; includes unhanded slack, inner sleeve and outer nut	S-21398-1	SA-10802	2
	6.0"	16.50" x 8.63"	10 spline; includes unhanded slack, inner sleeve and outer nut	S-15191-2	SA-10603	2
			28 spline; includes unhanded slack, inner sleeve and outer nut	S-21398-2	SA-10803	2
Haldex "SABA"	5.5" (.5")	15.00" x 8.63" 16.50" x 7.00" 16.50" x 8.63"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-15192-3	409-20000	2
			28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-21399-3	409-20002	2
	6.0" (.5")	15.00" x 8.63" 16.50" x 7.00" 16.50" x 8.63"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-15192-4	409-20004	2
			28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-21399-4	409-20006	2
	5.5" Curved	12.25" x 7.50"	10 spline; includes slack only	D-37285	409-20008	2
			28 spline; includes slack only	D-37284	409-20010	2
	6.0" Curved	12.25" x 7.50"	10 spline; includes slack only	D-30199	409-20012	2
			28 spline; includes slack only	D-30201	409-20014	2
Hendrickson Standard	5.5" std.	15.00" x 8.63" 16.50" x 7.00" 16.50" x 8.63"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37477-1	WBA07140S	2
			28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37478-1*	-	2
	6.0"	16.50" x 8.63"	10 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37477-2	WBA07125S	2
			28 spline; includes unhanded slack, anchor-stud, nut and clevis assembly	S-37478-2	WBA07115S	2

* Private label through TSE.

AUTOMATIC BRAKE ADJUSTERS - CONNEX® ST (Drum Brakes Only)

BRAND	LENGTH	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	5.5"	28 spline; includes slack only	S-36183	K046808	2
	6.0"		S-36184	K047204	2

NOTE: Cross reference numbers include slack only.

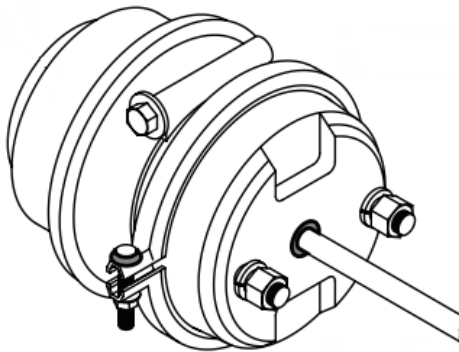
MANUAL BRAKE ADJUSTERS - TRLAXLE® (Drum Brakes Only)

BRAND	LENGTH	BRAKE SIZE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Haldex ¹	6.0"	16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	10 spline; includes slack only	S-32873-1	KN47001	2
			28 spline; includes slack only	S-32873-2	CS44071	2

1. Haldex 6.0" is a multi-holed slack adjuster with capacity for 5.0", 6.0" and 7.0" lengths.



BRAKE CHAMBERS



NOTE: Look for the suppliers' embossed logo or etched part number on the brake chamber to help determine the correct Hendrickson part number.

BRAKE CHAMBERS - SUSPENSION SYSTEMS (Drum Brakes Only)

BRAND	SIZE	STROKE	SUSPENSION MODELS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	24/24	2.5"	AAT AANT HKANT HKAT UTKNT AAZNT (9.75" Push Rod)	S-26844-5	K026551	2
	24/30	2.5"		S-22792-5	K026550	2
	30/30	2.5"		S-20837-5	K020863	2
	30/30	3.0"		S-24247-5	K020868	2
	30/36	2.5"		S-24828-5	K020810	2
Haldex	24/24	2.5"		S-26844-2	1392424005	2
	24/30	2.5"		S-22792-2	1392430013	2
	30	2.5"		S-32871-2	129300255	2
	30/30	2.5"		S-20837-2	1393030543	2
	30/30	3.0"		S-24247-2	1373030332	2
	30/30 Ext. Life	2.5"		S-39868	1713030341	2
Hendrickson Standard	24/30	2.5"		S-22792-3	2430TL2-3466	2
	30/30*	2.5"		S-40878-3*	-	2
	30/30	3.0"		S-40879-2*	3030TL3-3568	2
TSE	30/30 Ext. Life	2.5"		S-40893-2	3030TL2ULP-91001	2
	30/30 Ext. Life	3.0"	S-38867-4	3030TL3ULP-91003	2	
	30 Ext. Life	2.5"	S-40385-1	30SCL2ULP-91047	2	

NOTE: Hendrickson part numbers and cross reference numbers include brake chamber only.

*Private label through TSE



BRAKE CHAMBERS - SUSPENSION SYSTEMS (Drum Brakes Only) – *continued*

BRAND	SIZE	STROKE	SUSPENSION MODELS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	24/24	2.5"	AAL AANL AANLS AAEDL AAEDT HKANL HKAL HKARL AAZL (5.63" Push Rod)	S-26845-5	K028979	2
	24/30	2.5"		S-24163-5	K028978	2
	30/30	2.5"		S-24164-5	K020862	2
	30/30	3.0"		S-24769-5	K020867	2
	30/36	2.5"		S-24829-5	K020809	2
Haldex	24/24	2.5"		S-26845-2	1392424004	2
	24/30	2.5"		S-24163-2	1392430031	2
	30	2.5"		S-32872-2	129300256	2
	30/30	2.5"		S-24164-2	1393030505	2
	30/30	3.0"		S-24769-2	1373030331	2
	30/30 Ext. Life	2.5"		S-39869	1713030342	2
	Hendrickson Standard	24/30		2.5"	S-24163-3	2430TL2-3465
30/30*		2.5"		S-40878-4*	-	2
30/30		3.0"		S-32027	3030TL3-3567	2
TSE	30/30 Ext. Life	2.5"		S-38866-1	3030TL2ULP-91002	2
	30/30 Ext. Life	3.0"	S-38867-3	3030TL3ULP-91004	2	
	30 Ext. Life	2.5"	S-40385-2	30SCL2ULP-91048	2	

*Private label through TSE

BRAKE CHAMBERS - CONNEX® ST (Drum Brakes Only)

BRAND	SIZE	STROKE	SUSPENSION MODELS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson Standard	30	2.5"	CXSL	S-35974	30SCLW2-4091	2
	30/30	2.5"		S-35976	3030TLW2-4094	2
	30	3.0"		S-35757	30SCLW3-4072	2
	30/30	3.0"		S-35977	3030TLW3-4095	2
TSE	30 Ext. Life	2.5"		S-38862	30SCLW2ULP-91009	2
	30 Ext. Life	3.0"		S-38863	30SCLW3ULP-91010	2
	30/30 Ext. Life	2.5"		S-38864	3030TLW2ULP-91007	2
	30/30 Ext. Life	3.0"		S-38865	3030TLW3ULP-91008	2



BRAKE CHAMBERS - CONNEX® & TRLAXLE® (Drum Brakes Only)

BRAND	SIZE	STROKE	BRAKE SIZE	BRAKE CHAMBER BRACKET	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Haldex	24	2.5"	12.25" x 7.50"	High Rise	S-30681-5	129240134	2
				Standard	S-30681-6	129240135	2
			16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-30681-2	129240133	2
	30	2.5"	12.25" x 7.50"	High Rise	S-30679-4	129300115	2
				Standard	S-30679-2	129300236	2
			16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-30679-1	129300247	2
	30	3.0"	12.25" x 7.50"	High Rise	S-31975-2	127300113	2
				Standard	S-31975-1	127300112	2
	24/24	2.5"	12.25" x 7.50" 16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	Standard	C-30680	1392424008	2
					S-30680-1	1392424017	2
	24/30	2.5"	12.25" x 7.50"	High Rise	S-32466-2	1392430064	2
				Standard	S-32466-1	1392430063	2
	24/30 (16mm)	3.0"	16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-32011-3	1372430029	2
	30/30	2.5"	12.25" x 7.50" 15.00" x 8.63" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-30678-3	1393030518	2
				Standard	S-30678-7	1393030547	2
				High Rise	S-30678-5	1393030519	2
				Standard	S-30678-1	1393030512	2
	30/30 Ext. Life	2.5"	12.25" x 7.50" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-39870-3	1713030346	2
				High Rise	S-39870-5	1713030347	2
				Standard	S-39870-1	1713030343	2
	30/30 (16mm)	3.0"	16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	Standard	S-32012-3	1373030328	2
	30/30	3.0"	12.25" x 7.50" 16.50" x 5.00" 16.50" x 7.00" 16.50" x 8.63"	High Rise	S-30683-4	1373030361	2
				Standard	S-30683-3	1373030360	2
				Standard	S-30683-1	1373030333	2

NOTE: Hendrickson part numbers and cross reference numbers include brake chamber only.



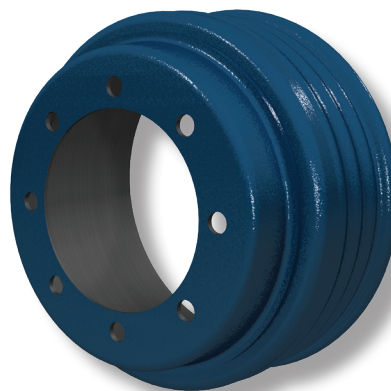
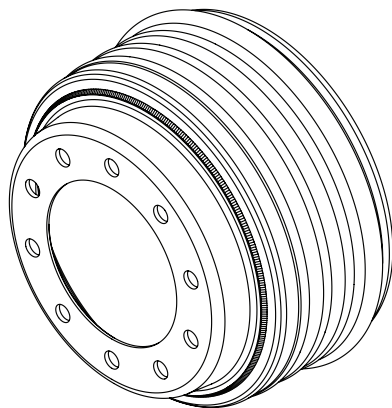
BRAKE CHAMBERS - CONNEX® & TRLAXLE® (Drum Brakes Only) – *continued*

BRAND	SIZE	STROKE	BRAKE SIZE	BRAKE CHAMBER BRACKET	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson Standard	30*	2.5"	12.25" × 7.50"	Standard	S-40877-2	30SCL2-3463	2
			16.50" × 5.00"		S-40877-1	30SCL2-3464	2
			16.50" × 7.00"				
			16.50" × 8.63"				
		3.0"	12.25" × 7.50"	Standard	S-32210-1	30SCL3-3563	2
			15.00" × 8.63"		S-32210-2	30SCL3-3564	2
	16.50" × 5.00"		S-32210-3		30SCL3-3565	2	
	16.50" × 7.00"						
	30/30	2.5"	12.25" × 7.50"	Standard	S-40878-2	3030TL2-3469	2
			16.50" × 5.00"		S-40878-1*	3030TL2-3470	2
16.50" × 7.00"							
16.50" × 8.63"							
	3.0"	12.25" × 7.50"	Standard	S-40879-3	3030TL3-3566	2	
TSE	30/30 Ext. Life	2.5"	16.50" × 7.50"	Standard	S-38866-3	3030TL2ULP-91000	2
		3.0"			S-38867-2	3030TL3ULP-91005	2

NOTE: Hendrickson part numbers and cross reference numbers include brake chamber only.



BRAKE DRUMS



STANDARD-DUTY BRAKE DRUMS (Drum Brakes Only)

BRAND	SIZE	BRAKE SIZE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
WEBB	8 Stud x 275mm BCD	16.5" x 7"	Cast Drums	B-22574	66875B	2
	10 Stud x 11.25" BCD			C-25161	66864B	2
	10 Stud x 11.25" BCD	16.5" x 8.625"		C-23603	66855B	2
		15" x 8.625"		C-26391	61988Y	2
Motor Wheel®	8 Stud x 275mm BCD	16.5" x 7"	CentriFuse® Steel Drums	B-22359	88797B	2
		15" x 8.625"		C-27826	91438	2
	10 Stud x 11.25" BCD	16.5" x 7"		B-21620	89996B	2
		16.5" x 8.625"		B-29099	600026	2
		15" x 8.625"		C-26390	91482	2
KIC	8 Stud x 275mm BCD	12.25" x 7.5"	Cast Drums	D-30113	54244-01	2
	10 Stud x 11.25" BCD	16.5" x 7"		D-35948	60000-018	2
		16.5" x 7"		C-31699	54250-018	2
	10 Stud x 335mm BCD	16.5" x 8.625"		S-30652	60002-018	2
		10 Stud x 11.25" BCD	16.5" x 7"	Composite Steel Drums	S-38178	80002-018
			16.5" x 8.625"	S-38179	80008-018	2
Walther	10 Stud x 11.25" BCD	16.5" x 7"	Cast Drums	S-36713	C13-00043	2

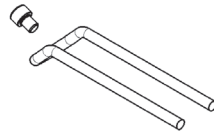
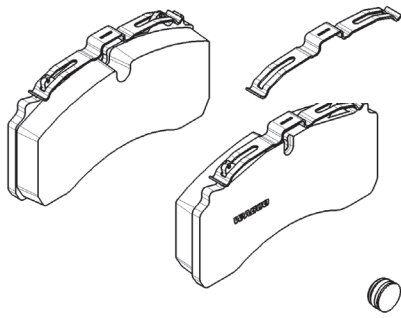
HEAVY-DUTY BRAKE DRUMS (Drum Brakes Only)

BRAND	SIZE	BRAKE SIZE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
WEBB	8 Stud x 275mm BCD	12.25" x 7.5"	Cast Drums	S-30106	63680F	2
	10 Stud x 11.25" BCD	16.5" x 7"		B-21619	66884B	2
	10 Stud x 335mm BCD			C-26440	66250B	2

NOTE: Hendrickson part numbers and cross reference numbers include drums only.



BRAKE PAD



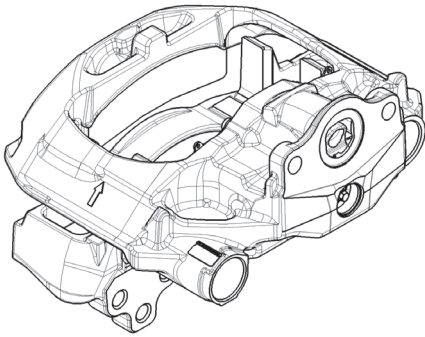
BRAKE PAD KITS (Air Disc Brakes Only)

ADB BRAND	CHAMBER BRAND	CHAMBER SIZE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™	Hendrickson Standard	18/24 or 20/24**	Includes 4 pads, 2 springs, 2 holder brackets, 2 screws and 2 plugs	S-41167-1	N/A	1
WABCO PAN 22-1	WABCO	20/24	Includes 4 pads, 6 springs, 2 bolts, 2 holder bars and 2 plugs	S-41165-1	N/A	1
WABCO PAN 17	WABCO	20/24	Includes 4 pads, 6 holder springs, 2 holder brackets, 2 screws and 2 plugs	S-41159-1	N/A	1
WABCO PAN 19	Hendrickson Standard/ WABCO	16/24	Includes 4 pads, 6 holder springs, 2 holder brackets, 2 screws and 2 plugs	S-41162-1	N/A	1
Bendix ADB22X-LT	Knorr	18/24	Includes 4 pads, 4 pad holder springs, 2 pad retainers, 2 pad retainer pins, 2 washers, 2 spring clips, 2 shear adapters and 2 adjuster caps	S-29152-2	K129276	1
Haldex DBT22LT (ModuLT)	Haldex	18/24	Includes 4 pads, 4 holder springs, 2 holder brackets, 2 screws and 2 plugs	S-41169-4	790-22117	1

** Chamber size is dependent on specific brake certifications. Reference L809 to understand which brake chamber size is needed with brake pad replacement.



CALIPER ASSEMBLY



CALIPER ASSEMBLY (Air Disc Brakes Only)

ADB BRAND	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™	Includes 1 caliper assembly – LH and mounting hardware	S-35973-L	6402220070	1
	Includes 1 caliper assembly – RH and mounting hardware	S-35973-R	6402220080	1
WABCO PAN22	Includes 1 caliper assembly – LH and mounting hardware	S-33648-2	6402250800	1
	Includes 1 caliper assembly – RH and mounting hardware	S-33648-3	6402250810	1
WABCO PAN17	Includes 1 caliper assembly – LH and mounting hardware	S-39094-L	40175072	1
	Includes 1 caliper assembly – RH and mounting hardware	S-39094-R	40175073	1
WABCO PAN19	Includes 1 caliper assembly – LH and mounting hardware	S-39093-L	6401951010	1
	Includes 1 caliper assembly – RH and mounting hardware	S-39093-R	6401951020	1
Bendix ADB22X-LT	Includes 1 caliper assembly – LH and mounting hardware	S-33647-2	802985	1
	Includes 1 caliper assembly – RH and mounting hardware	S-33647-3	802984	1
Haldex ModuLT DBT22LT	Caliper assembly – LH	S-41169-11	790-H108541	1
	Caliper assembly – RH	S-41169-12	790-H108542	1

NOTE: Cross reference numbers include caliper only.

CALIPER ATTACHMENT HARDWARE KITS (Air Disc Brakes Only)

ADB BRAND	DESCRIPTION	PART NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™	Includes 12 bolts and 12 washers	S-33649-5	1
	Includes 6 bolts and 6 washers	S-33649-6	2
WABCO PAN22 WABCO PAN19 Bendix ADB22X-LT Haldex DBT22LT	Includes 12 bolts and 12 washers	S-33649-1	1
	Includes 6 bolts and 6 washers	S-33649-2	2
WABCO PAN17	Includes 12 bolts and 12 washers	S-33649-7	1
	Includes 6 bolts and 6 washers	S-33649-8	2



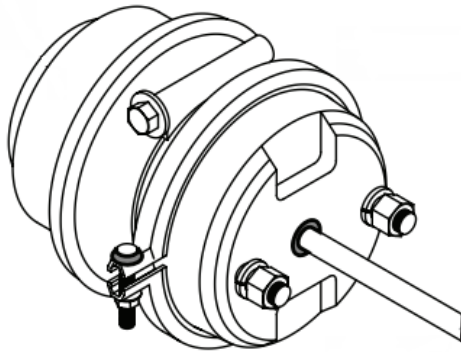
CALIPER COMPONENTS (Air Disc Brakes Only)

ADB BRAND	DESCRIPTION	CONTAINS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™ WABCO PAN22	ADB Pad Retaining Spring	3 pad retaining springs	S-40670/2	N/A	2
Hendrickson MAXX22T	Guide Bolt Kit	Includes 1 plug, 2 inner sealing, 2 outer sealing, 2 sliding bolts, 2 metal caps, 2 screws and 3 guide pin bushings	S-35303-4	6402229282	2
	Pressure Plate Kit	Includes 1 left, 1 right pressure plate	S-35303-9	6402229262	1
	WABCO Tone Ring Kit	Includes 1 tone ring and 1 locking ring	S-39042	6629059202	2
WABCO PAN22 WABCO PAN19	Guide Bolt Kit	Includes 1 plug, 1 boot, 2 sealings, 3 bushings, 2 bolts, 2 screws and 2 covers	S-32676-4	6402229212	2
Hendrickson MAXX22T WABCO PAN22 WABCO PAN17 WABCO PAN 19	Replacement Gasket Kit	Includes 1 plug, 1 sealing and 1 boot	S-32676-3	6401759202	2
WABCO PAN17	Guide Bolt Kit	Includes 1 plug, 1 bolt, 2 sealings, 3 bushings, 2 bolts, 2 screws and 2 covers	S-36837-4	12999699VT	2
	Pressure Plate Kit	Includes 1 left, 1 right pressure plate	S-36837-9	6401759402	1
WABCO PAN19	Guide Bolt Kit	Includes 1 plug, 1 bolt, 2 sealings, 3 bushings, 2 bolts, 2 screws and 2 covers	S-32676-4	6402259212	2
	Pressure Plate Kit	Includes 1 left, 1 right pressure plate	S-36838-9	6401959362	1
Bendix ADB22X-LT	Splint Kit	Includes 25 spring clips	S-29152-4	803151	Bulk
	Shear Adapter	Includes 10 shear adapters	S-29152-5	802455	Bulk
	Tappet / Boot Kit	Includes 2 tappets, 1 boot assembly, 2 tappet bushings and 2 inner seals	S-29152-6	K092079	2
	Adjuster Cover	Non-Wear Sensing; Includes 10 adjuster caps	S-29152-7	802643	Bulk
	Guide Pin, Seal and Boot Kit	Includes 2 boot retaining rings, 2 inner boots, 1 brass bushing, 1 guide pin, 1 caliper bolt, 1 cap, 1 guide sleeve, 1 guide pin and 1 cover	S-29152-9	803114	2
	Guide Pin Grease	8g White Grease	S-29152-12	LL14525	2
		500g White Grease	S-29152-13	K021964	Bulk
Caging Bolt Plug	Includes 1 plug	S-29152-19	K034202	2	
Haldex ModulT DBT22LT	Pad Retainer Kit	Includes 1 pad retainer, 2 pad springs, 1 pad retainer and 1 plug	S-41169-3	790-22116	2
	Pad Retainer Kit	Includes 1 reset shaft complete and 1 plug	S-41169-8	790-95398	2

NOTE: See page 33 for drawings of the caliper components (air disc brake only).



BRAKE CHAMBER



BRAKE CHAMBERS (Air Disc Brakes Only)

ADB BRAND	CHAMBER BRAND	CHAMBER SIZE	SUSPENSION MODEL	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™**	Hendrickson Standard	14*	AAT	Left Handed	S-40396-L*	14HSCLD2-4492	1
			AANT	Right Handed	S-40396-R*	14HSCLD2-4491	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40396-U*	14HSCLD2-4493	2
		14 / 24*	AAT	Left Handed	S-40395-L*	1424TLD2H-4489	1
			AANT	Right Handed	S-40395-R*	1424TLD2H-4488	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40395-U*	1424TLD2H-4490	2
		18*	AAT	Left Handed	S-40882-L*	18HSCLD2-4296	1
			AANT	Right Handed	S-40882-R*	18HSCLD2-4295	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40882-U*	18HSCLD2-4297	2
		18 / 24*	AAT	Left Handed	S-40881-L*	1824TLD2H-4293	1
			AANT	Right Handed	S-40881-R*	1824TLD2H-4292	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40881-U*	1824TLD2H-4294	2
		20*	AAT	Left Handed	S-40886-L*	20HSCLD2-4344	1
			AANT	Right Handed	S-40886-R*	20HSCLD2-4343	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40886-U*	20HSCLD2-4345	2
		20 / 24*	AAT	Left Handed	S-40885-L*	2024TLD2H-4341	1
			AANT	Right Handed	S-40885-R*	2024TLD2H-4340	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40885-U*	2024TLD2H-4342	2

* Private label through TSE.

** Chamber size is dependent on specific brake certifications. Reference L809 to understand which brake chamber size is needed with brake pad replacement.



BRAKE CHAMBERS (Air Disc Brakes Only) – *continued*

ADB BRAND	CHAMBER BRAND	CHAMBER SIZE	SUSPENSION MODEL	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE	
WABCO PAN22	Hendrickson Standard	20*	AAT	Left Handed	S-40886-L*	20HSCLD2-4344	1	
			AANT	Right Handed	S-40886-R*	20HSCLD2-4343	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-40886-U*	20HSCLD2-4345	2	
		20 / 24*	AAT	Left Handed	S-40885-L*	2024TLD2H-4341	1	
			AANT	Right Handed	S-40885-R*	2024TLD2H-4340	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-40885-U*	2024TLD2H-4342	2	
	WABCO	20	AAT	Left Handed	S-32793-L	4235051510	1	
			AANT	Right Handed	S-32793-R	4235051500	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-32793-U	4235051520	2	
		20 / 24	AAT	Left Handed	S-38723-L	9253800210	1	
			AANT	Right Handed	S-38723-R	9253800220	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-38723-U	9253800200	2	
	Bendix ADB22X-LT	Bendix	18 / 24	AAT	Left Handed	S-38105-L	K099771	1
				AANT	Right Handed	S-38105-R	K099772	1
AAL AAEDL AAEDT AANLS				Unhanded	S-38105-U	K099773	2	
Haldex ModulT DBT22LT	Haldex	18 / 24	AAT AANT	Left Handed	S-38185-L	1351824005	1	
Haldex ModulT DBT22LT	Haldex	18 / 24	AAT AANT	Right Handed	S-38185-R	1351824004	1	
Haldex ModulT DBT22LT	Haldex	18 / 24	AAL AAEDL AAEDT AANLS	Unhanded	S-38185-U	1351824006	2	
WABCO PAN17	WABCO	20 / 24	HT250UB	Left Handed	S-38724-L	9253800250	1	
				Right Handed	S-38724-R	9253800240	1	
WABCO PAN19	WABCO	16	AAT AANT	Left Handed	S-37027-L	4235040350	1	
				Right Handed	S-37027-R	4235040360	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-37027-U	4235040340	2	
		16 / 24	AAT AANT	Left Handed	S-37026-L	9253840270	1	
				Right Handed	S-37026-R	9253840280	1	
			AAL AAEDL AAEDT AANLS	Unhanded	S-37026-U	9253840260	2	

*Private label through TSE.



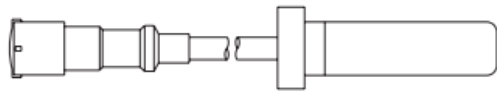
BRAKE CHAMBERS (Air Disc Brakes Only) – *continued*

ADB BRAND	CHAMBER BRAND	CHAMBER SIZE	SUSPENSION MODEL	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
WABCO PAN19	WABCO	16	AAT	Left Handed	S-37027-L	4235040350	1
			AANT	Right Handed	S-37027-R	4235040360	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-37027-U	4235040340	2
		16 / 24	AAT	Left Handed	S-37026-L	9253840270	1
			AANT	Right Handed	S-37026-R	9253840280	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-37026-U	9253840260	2
	Hendrickson Standard	16*	AAT	Left Handed	S-40884-L*	16HSCLD2-4338	1
			AANT	Right Handed	S-40884-R*	16HSCLD2-4337	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-40884-U*	16HSCLD2-4339	2
		16 / 24*	AAL	Left Handed	S-38777-L*	1624TLD2H-4335	1
			AANT	Right Handed	S-38777-R*	1624TLD2H-4334	1
			AAL AAEDL AAEDT AANLS	Unhanded	S-38777-U*	1624TLD2H-4336	2

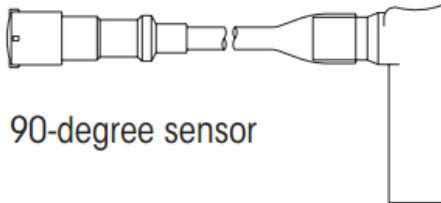
*Private label through TSE.



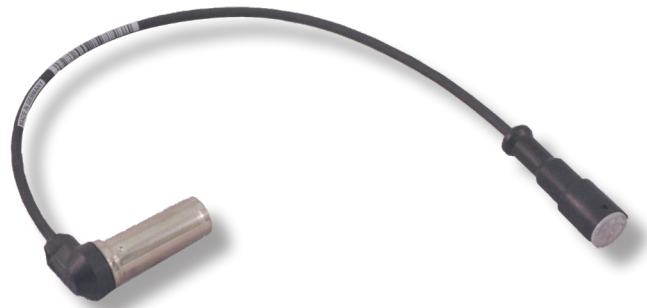
ABS SENSOR



straight sensor



90-degree sensor



ABS SENSOR - AIR DISC BRAKE

BRAND	SENSOR TYPE	WIRE LENGTH	RETAINING SLEEVE	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	Straight (all)	78.2"	Meritor	S-22889-4	K145043BX	1
Haldex	Straight	19.7"	Meritor	S-22889-1	364 528 001	1
		78.7"	Meritor	S-22889-2	364 528 011	1
Meritor WABCO	Straight	39.4"	Meritor	S-22889-3	441 032 334 0	1

ABS SENSOR - DRUM BRAKE

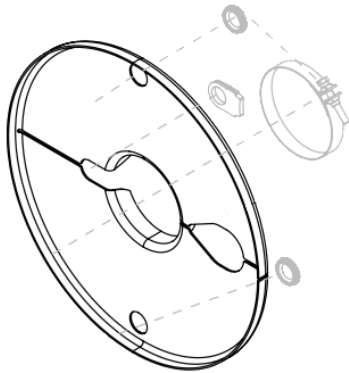
BRAND	SENSOR TYPE	WIRE LENGTH	RETAINING SLEEVE	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Bendix	90° Angle (Std)	75.6"	Meritor	S-22889-14	K144020BX	1
	90° Angle (Std)	14.84"	Bendix	S-22889-7	300083	1
Haldex	90° Angle (Std)	19.7"	Haldex	S-22889-6	364 094 001	1
WABCO	90° Angle (Std)	15.7"	Meritor	S-22889-8	441 032 8080	1
		36.0"	Haldex	S-22889-11	441 032 8090	1

ABS Sensor Kits Contain: (1) sensor, (1) sleeve, (2) nylon ties 4.5" and (1) UV resistant nylon tie 21"

Note: Cross reference numbers include sensor only.



DUST SHIELD



DUST SHIELD KITS - DRUM BRAKES

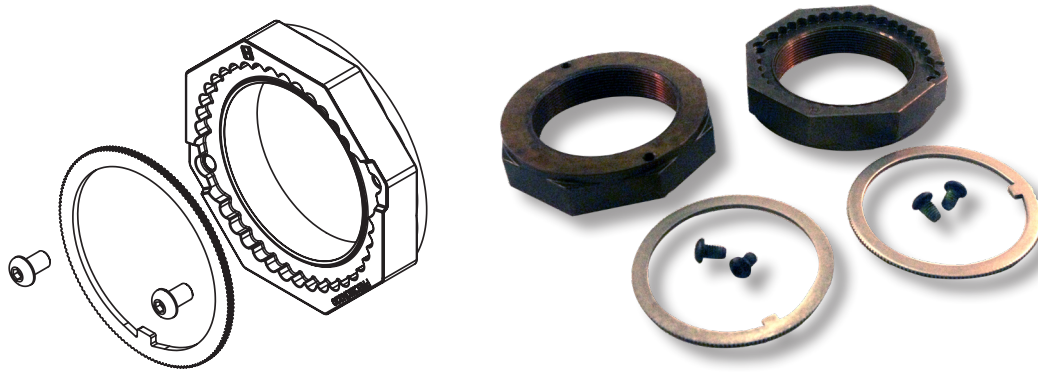
SUSPENSION MODELS	BRAKE SIZE	AXLE DIAMETER	PART NUMBER	QTY. PER AXLE	NOTES
VANTRAAX® ULTRAA-K® INTRAAX® INTRAAX® SP TRLAXLE® CONNEX®	16.5"	5"	S-28500-1650	2	Replaces S-23579/2 Includes (1) dust shield and hardware
		5.75" LDA™	S-28500-1657	2	Includes (1) dust shield and hardware
	15"	5"	S-28500-1550	2	Includes (1) dust shield and hardware
CONNEX® ST	16.5"	5"	S-37611-1650L	1	Roadside; includes upper and lower dust shields, (2) port plugs, (4) screw and washer assemblies and (4) clip nuts
			S-37611-1650R	1	Curbside; includes upper and lower dust shields, (2) port plugs, (4) screw and washer assemblies and (4) clip nuts
			S-37610-500	2	Includes (2) port plugs, (4) screw and washer assemblies and (4) clip nuts

DUST SHIELD KITS - AIR DISC BRAKES

ADB MODELS	BRAKE SIZE	AXLE DIAMETER	PART NUMBER	QTY. PER AXLE	NOTES
Hendrickson MAXX22T™ with Outboard Mounted Rotor	415mm	5" & 5.75" LDA	S-41662-1	2	Includes(1) bolt-on dust shield and mounting hardware
	415mm	5" & 5.75" LDA	S-35766-415	2	Includes hardware for bolt-on dust shield
Hendrickson MAXX22T with Inboard Mounted Rotor	415mm	5" & 5.75" LDA	S-35720-4415	2	Includes (1) bolt-on dust shield and mounting hardware
	415mm	5" & 5.75" LDA	S-35720-1	2	Includes (1) bolt-on dust shield
	415mm	5" & 5.75" LDA	S-35766-415	2	Includes hardware for bolt-on dust shield
WABCO PAN22 Bendix ADB22X-LT Haldex DB22LT	430mm	5"	S-28570-4350	2	Includes (1) clamp-on dust shield and (1) band clamp
	430mm	5.75" LDA	S-28570-4357	2	
WABCO PAN22 Bendix ADB22X-LT	430mm	5" & 5.75" LDA	S-36224-1	2	Includes (1) bolt-on dust shield
	430mm	5" & 5.75" LDA	S-36224-4430	2	Includes (1) bolt-on dust shield and hardware
WABCO PAN17	325mm	5"	S-36832-1	2	Includes (1) bolt-on dust shield
	325mm	5"	S-36832-4325	2	Includes(1) bolt-on dust shield and mounting hardware
WABCO PAN19	375mm	5" & 5.75" LDA	S-36224-2	2	Includes (1) bolt-on dust shield
	375mm	5" & 5.75" LDA	S-36224-4375	2	Includes (1) bolt-on dust shield and mounting hardware



AXLE NUT KITS



AXLE NUT KITS

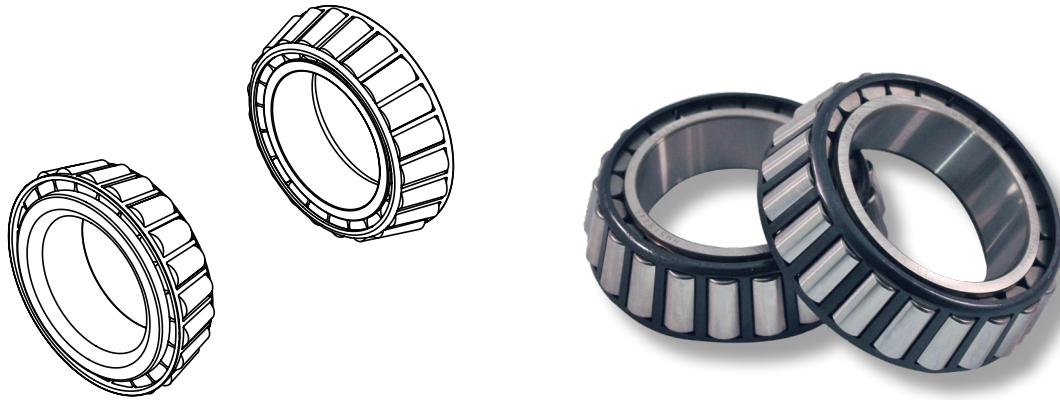
SPINDLE NUT	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE	NOTES
Hendrickson PRECISION320 ^{®2}	HP/HX	S-32844/2	–	2	Includes (1) spindle nut, washer and (2) screws
Hendrickson PRECISION240 ^{®3}	HN	S-33332/2	–	2	
Hendrickson 3-Piece Nut	HN	S-20492/2	–	2	Includes (1) each inner axle nut, outer axle nut, axle lock washer and set screw
	HP	S-20475/2	–	2	
STEMCO PRO-TORQ	HN	Contact Stemco or Authorized Distributor	4474743	2	1-piece spindle nut
	HP	Contact Stemco or Authorized Distributor	4474723	2	

2. Please refer to T77001 for hubcap compatibility of PRECISION320 Spindle Nut Systems.

3. Please refer to T77002 for hubcap compatibility of PRECISION240 Spindle Nut Systems.



BEARINGS



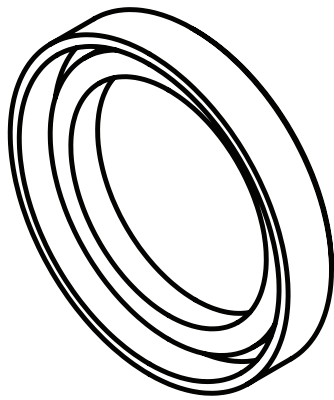
BEARINGS

BRAND	SPINDLE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
ZWZ	HN	Inner Cup and Cone Assembly	S-39011	KHM218248-NA	2
		Outer Cup and Cone Assembly	S-39012	KHM212049-NA	2
	HP	Inner Cup and Cone Assembly	S-39010	KHM518445-NA	4
		Outer Cup and Cone Assembly			
Hyatt	HN	Inner Cup and Cone Assembly	S-32267-2	SET414	2
		Outer Cup and Cone Assembly	S-32267-1	SET413	2
	HP	Inner Cup and Cone Assembly	S-32267-3	SET415	4
		Outer Cup and Cone Assembly			4
Timken	HN	Inner Cup and Cone Assembly	S-37825	SET441-900SA	2
		Outer Cup and Cone Assembly	S-37826	SET440-900SA	2
	HP	Inner Cup and Cone Assembly	S-37827	SET444-900SA	4
		Outer Cup and Cone Assembly			
	HX	Inner Cup and Cone Assembly	S-32267-4T	NP834443-902A1	4
		Outer Cup and Cone Assembly			

NOTE: Hendrickson part numbers and cross reference numbers include bearings only.



SEALS



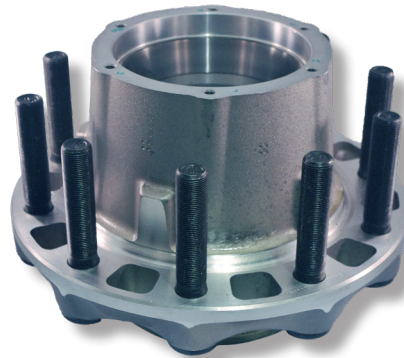
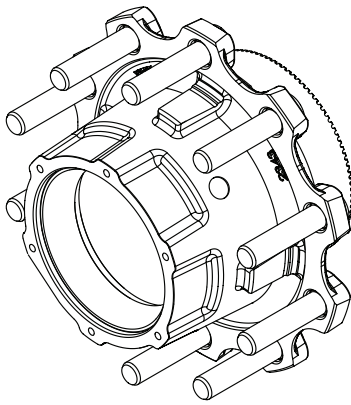
SEALS

BRAND	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Premium Hendrickson Seal	HX	S-33148	-	2
Federal Mogul	HN	S-27267-HN	M380025TX0	2
	HP	S-27268-HP	M380065TX0	2
STEMCO Guardian	HN	Contact Stemco or Authorized Distributor	307-0743	2
	HP		307-0723	2
STEMCO Discover	HN		373-0243	2
	HP		373-0223	2
STEMCO Voyager	HN		373-0143	2
	HP		373-0123	2

NOTE: Hendrickson part numbers and cross reference numbers include seal only.



HUBS



HUBS - HN SPINDLE (Drum Brakes Only)

HUB BRAND & MATERIAL	RTR® PACKAGE	BEARING BRAND	WHEEL MATERIAL	SIZE	BRAKE SIZE	PART NUMBER	CROSS REFERENCE NUMBER	
ConMet Aluminum	Std. Service HVS® HXL3® HXL5®	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	C-22549-11	105775	
		Std.	Steel/Aluminum Aluminum			C-22549-12	105776	
	Std. Service HLS® HVS®	Std.	Steel	8 stud × 275mm BC	15" × 8-5/8" 16.5" × 7"	C-22551-7	105769	
		Std.	Steel/Aluminum Aluminum			C-22551-8	105760	
	ConMet PreSet	Std.	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	C-24749-1	10082440
			Std.	Steel/Aluminum Aluminum			C-24749-2	10082442
		Std.	Std.	Steel	8 stud × 275mm BC	15" × 8-5/8" 16.5" × 7"	C-25548-1	10082446
			Std.	Steel/Aluminum Aluminum			C-25548-2	10082448
Walther EMC Dura-Light Hub® (ADI)	Std. Service HLS HVS HXL3 HXL5	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-31906-1	10-00114M-102	
		Std.	Steel/Aluminum Aluminum			S-31906-2	10-00114M-101	
Webb Ductile Iron	Std. Service HLS HVS HXL7®	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-35216-1	20235--3T-73	
		Std.	Steel/Aluminum Aluminum			S-35216-2	20235--5T-73	
		Timken	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-35216-3	20231--3T-73	
		Timken	Steel/Aluminum Aluminum			S-35216-4	20231--5T-73	
	Std. Service HLS HVS HXL3 HXL5	Std.	Steel	8 stud × 275mm BC	12.25" × 7.5"	S-38163-1	20275--3T80-71	
		Std.	Steel/Aluminum Aluminum			S-381632	20275--5T80-71	
KIC Ductile Iron	Std. Service HXL3 HXL5	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-34419-3	HUB-01025FTY	
		Std.	Steel/Aluminum Aluminum			S-34419-2	HUB-01025FLTY	
	Std. Service HXL5	Std.	Steel	8 stud × 275mm BC	12.25" × 7.5"	C-37196-1	HUB-00133FTY	
		Std.	Steel/Aluminum Aluminum			C-37196-2	HUB-00133FLTY	
	Global Service	Std.	Std.	Steel	10 stud × 335mm BC	16.5" × 7" 16.5" × 8-5/8"	D-33466-1	HUB-00108FTY
			Std.	Steel/Aluminum Aluminum			D-33466-2	HUB-00108FLTY

NOTE: Hendrickson part numbers and cross reference numbers include hub only.



HUBS - HP SPINDLE (Drum Brakes Only)

HUB BRAND & MATERIAL	RTR® PACKAGE	BEARING BRAND	WHEEL MATERIAL	SIZE	BRAKE SIZE	PART NUMBER	CROSS REFERENCE NUMBER	
ConMet Aluminum	Std. Service HLS® HVS® HXL3® HXL5® HXL7®	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	C-23593-9	10001196	
		Std.	Steel/Aluminum Aluminum			C-23593-10	10001198	
		Timken	Steel			C-23593-17	10001190	
		Timken	Steel/Aluminum Aluminum			C-23593-18	10001192	
	Std. Service HLS HVS	Std.	Steel	8 stud × 275mm BC	15" × 8-5/8" 16.5" × 7"	C-23373-3	106302	
		Std.	Steel/Aluminum Aluminum			C-23373-4	106304	
	ConMet PreSet		Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	C-25551-1	10082436
			Std.	Steel/Aluminum Aluminum			C-25551-2	10082438
			Std.	Steel	8 stud × 275mm BC	15" × 8-5/8" 16.5" × 7"	C-25550-1	10082443
			Std.	Steel/Aluminum Aluminum			C-25550-2	10082445
	Walther EMC Dura-Light Hub® (ADI)	Std. Service HLS HVS HXL3 HXL5 HXL7	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-31905-1	10-00112M-102
			Std.	Steel/Aluminum Aluminum			S-31905-2	10-0112M-101
Webb Ductile Iron	Std. Service HLS HVS HXL3 HXL5 HXL7	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	C-23593-5	23435--3T-73	
		Std.	Steel/Aluminum Aluminum			C-23593-6	23435--5T-73	
		Timken	Steel			C-23593-19	23431--3T-73	
		Timken	Steel/Aluminum Aluminum			C-23593-20	23431--5T-73	
	Std. Service HLS HVS HXL3 HXL5	Std.	Steel	8 stud × 275mm BC	12.25" × 7.5"	S-38164-1	23475--3T80-71	
		Std.	Steel/Aluminum Aluminum			S-38164-2	23475--5T80-71	
KIC Ductile Iron	Std. Service HXL3 HXL5	Std.	Steel	10 stud × 11.25" BC	15" × 8-5/8" 16.5" × 7" 16.5" × 8-5/8"	S-34420-1	HUB-01043FTY	
		Std.	Steel/Aluminum Aluminum			S-34420-2	HUB-01043FLTY	
	Std. Service HXL5	Std.	Steel	8 stud × 275mm BC	12.25" × 7.5"	S-36163-1	HUB-41045FTY	
		Std.	Steel/Aluminum Aluminum			S-36163-2	HUB-41045FLTY	
	Global Service		Std.	Steel	10 stud × 335mm BC	16.5" × 7" 16.5" × 8-5/8"	C-34758-1	HUB-40310FTY
			Std.	Steel/Aluminum Aluminum			C-34758-2	HUB-40310FLTY

NOTE: Hendrickson part numbers and cross reference numbers include hub only.



HUBS & ROTOR ASSEMBLIES - HN SPINDLE INBOARD MOUNTED ROTOR (Air Disc Brakes Only)

ADB BRAND	HUB BRAND	HUB MATERIAL	BEARING BRAND	WHEEL MATERIAL	SIZE	PART NUMBER	CROSS REFERENCE NUMBER
Bendix ADB22X-LT WABCO PAN22	ConMet PreSet	Aluminum	No	Steel	10 Stud × 11.25" BC	S-39887-2	10082493
			No	Steel/Aluminum Aluminum		S-39887-1	10082494
Bendix ADB22X-LT	ConMet PreSet	Aluminum Splined	No	Steel	10 Stud × 11.25" BC	D-31179-2	10082497
			No	Steel/Aluminum Aluminum		D-31179-1	10082498
WABCO PAN22 HALDEX DB22LT	Hendrickson	Ductile Iron	Std.	Steel	10 Stud × 11.25" BC	S-34576-1	–
			Std.	Steel/Aluminum Aluminum		S-34576-2	–
			Timken	Steel		S-34576-3	–
			Timken	Steel/Aluminum Aluminum		S-34576-4	–
WABCO PAN17	Hendrickson	Ductile Iron	Std.	Steel	8 stud × 275mm BC	S-37182-1	–
				Steel/Aluminum Aluminum		S-37182-2	–
WABCO PAN19	Hendrickson	Ductile Iron	Std.	Steel	10 Stud × 11.25" BC	S-36701-1	–
				Steel/Aluminum Aluminum		S-36701-2	–
Bendix ADB22X-LT	ConMet	Ductile Iron	Std.	Steel	10 Stud × 11.25" BC	D-28596-31	10020523
			Std.	Steel/Aluminum Aluminum		D-28596-32	10020522
Hendrickson MAXX22T™	Hendrickson	Ductile Iron	Std.	Steel	10 Stud × 11.25" BC	S-35025-1	–
			Std.	Steel/Aluminum Aluminum		S-35025-2	–
			Timken	Steel		S-35025-3	–
			Timken	Steel/Aluminum Aluminum		S-35025-4	–
	Walther EMC	Dura-Light Hub® (ADI)	Std.	Steel		S-41683-1	–
			Std.	Steel/Aluminum Aluminum		S-41683-2	–
			Timken	Steel		S-41683-3	–
			Timken	Steel/Aluminum Aluminum		S-41683-4	–

NOTE: Hendrickson part numbers include the hub assembly, rotor assembly and hardware. Cross reference numbers include hub only.



HUBS & ROTOR ASSEMBLIES - HP SPINDLE INBOARD MOUNTED ROTOR (Air Disc Brakes Only)

ADB BRAND	HUB BRAND	HUB MATERIAL	BEARING BRAND	WHEEL MATERIAL	SIZE	PART NUMBER	CROSS REFERENCE NUMBER
Bendix ADB22X-LT WABCO PAN22	ConMet PreSet	Aluminum	ConMet	Steel	10 Stud x 11.25" BC	S-39888-2	10082491
			ConMet	Steel/Aluminum Aluminum		S-39888-1	10082492
Bendix ADB22X-LT	ConMet PreSet	Aluminum Splined	ConMet	Steel	10 Stud x 11.25" BC	D-31180-2	10082499
			ConMet	Steel/Aluminum Aluminum		D-31180-1	10082500
		Ductile Iron	Std.	Steel		D-28596-12	10082449
			Std.	Steel/Aluminum Aluminum		D-28596-11	10082450
WABCO PAN22 HALDEX ModuIT DBT22LT	Hendrickson	Ductile Iron	Std.	Steel	10 Stud x 11.25" BC	S-34577-1	-
			Std.	Steel/Aluminum Aluminum		S-34577-2	-
			Timken	Steel		S-34577-3	-
			Timken	Steel/Aluminum Aluminum		S-34577-4	-
WABCO PAN19	Hendrickson	Ductile Iron	Std.	Steel	10 Stud x 11.25" BC	S-36700-1	-
				Steel/Aluminum Aluminum		S-36700-2	-
Bendix ADB22X-LT	ConMet	Ductile Iron	Std.	Steel	10 Stud x 11.25" BC	D-28596-30	10012380
			Std.	Steel/Aluminum Aluminum		D-28596-29	10012381
			Timken	Steel/Aluminum Aluminum		D-28596-33	10012385
Hendrickson MAXX22T™	Hendrickson	Ductile Iron	Std.	Steel	10 Stud x 11.25" BC	S-35026-1	-
			Std.	Steel/Aluminum Aluminum		S-35026-2	-
			Timken	Steel		S-35026-3	-
			Timken	Steel/Aluminum Aluminum		S-35026-4	-
	Walther EMC	Dura-Light Hub® (ADI)	Std.	Steel		S-41682-1	-
			Std.	Steel/Aluminum Aluminum		S-41682-2	-
			Timken	Steel		S-41682-3	-
			Timken	Steel/Aluminum Aluminum		S-41682-4	-

NOTE: Hendrickson part numbers include the hub assembly, rotor assembly and hardware. Cross reference numbers include hub only.



HUBS & ROTOR ASSEMBLIES - HX SPINDLE OUTBOARD MOUNTED ROTOR (Air Disc Brakes Only)

ADB BRAND	HUB BRAND	HUB MATERIAL	BEARING BRAND	WHEEL MATERIAL	SIZE	PART NUMBER	CROSS REFERENCE NUMBER
Hendrickson MAXX22T™	Hendrickson	Steel	Timken	Steel/Aluminum Aluminum	10 Stud × 11.25" BC	S-40784-2	—



HUBS ONLY (Air Disc Brakes Only)

ADB BRAND	HUB BRAND	HUB MATERIAL	BEARING BRAND	WHEEL MATERIAL	SIZE	SPINDLE TYPE	PART NUMBER	CROSS REFERENCE NUMBER			
Hendrickson MAXX22T™ with Outboard Mounted Rotor	Hendrickson	Steel	Timken	Steel/Aluminum Aluminum	10 Stud x 11.25" BC	HX	S-40782-1	–			
Hendrickson MAXX22T™ WABCO PAN19 WABCO PAN22 HALDEX DB22LT	Hendrickson	Ductile Iron	Hyatt	Steel	10 stud x 11.25"	HN	S-33386-1	–			
				Steel/Aluminum			S-33386-2	–			
				Steel			HP	S-33387-1	–		
				Steel/Aluminum				S-33387-2	–		
			Timken	Steel		HN	S-33386-5	–			
				Steel/Aluminum			S-33386-6	–			
			Timken	Steel		HP	S-33387-7	–			
				Steel/Aluminum			S-33387-8	–			
			Hyatt	10 stud x 335mm	HN	Steel	C-33381-1	–			
						Steel/Aluminum	C-33381-2	–			
						Steel	C-33381-5	–			
						Steel/Aluminum	C-33381-6	–			
			Timken		HP	Steel	C-33883-1	–			
						Steel/Aluminum	C-33883-2	–			
			Hyatt		HP	Steel	C-33883-5	–			
						Steel/Aluminum	C-33883-6	–			
			Hendrickson MAXX22T	Walther EMC	Dura-Light Hub® (ADI)	Hyatt	Steel	10 stud x 11.25"	HP	S-37184-1	–
							Steel/Aluminum			S-37184-2	
						Timken	Steel			S-37184-3	–
							Steel/Aluminum			S-37184-4	
Hyatt	HN	Steel				S-38161-1	–				
		Steel/Aluminum				S-38161-2					
Timken	HN	Steel				S-38161-3	–				
		Steel/Aluminum				S-38161-4					
Bendix ADB22X-LT	ConMet	Ductile Iron	Hyatt	Steel	10 stud x 11.25"	HP	S-28534-2	10012380			
				Steel/Aluminum			S-28534-1	10012381			
			Timken	Steel/Aluminum			C-28534-5	10012385			
			Hyatt	HN		Steel	C-34582-1	10020523			
						Steel/Aluminum	C-34582-2	10020522			


ROTOR AND ATTACHMENT HARDWARE KITS - WABCO, BENDIX & HALDEX (Air Disc Brakes Only)

ADB BRAND	DESCRIPTION	CONTAINS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
WABCO PAN22	Hendrickson cast 430mm rotor	Includes 1 U-shaped rotor, 10 bolts and 10 washers	S-38764	–	2
	Metric fasteners for cast rotor	Includes 20 bolts and 20 washers	S-35210-3	–	1
	Metric fasteners for cast rotor	Includes 10 bolts and 10 washers	S-35210-4	–	2
	ConMet flat rotor	Includes 1 flat rotor, 10 bolts and 10 washers	S-36661-1	10016195	2
	Rotor replacement kits - HN	HN Spindle; Includes 1 rotor, 10 rotor bolts, 10 rotor washers, 6 caliper bolts, 6 caliper washers, 1 seal, 1 gasket, 6 hubcap screws, 6 hubcap washers, 2 button head screws, 1 PRECISION240® lock washer and 1 package of Delo	S-37435-1	–	2
	Rotor replacement kits - HP	HP Spindle; Includes 1 rotor, 10 rotor bolts, 10 rotor washers, 6 caliper bolts, 6 caliper washers, 1 seal, 1 gasket, 6 hubcap screws, 6 hubcap washers, 2 button head screws, 1 PRECISION320® lock washer and 1 package of Delo	S-37435-2	–	2
Bendix ADB22X-LT	Bendix splined 430mm rotor	Includes 1 splined rotor and fasteners	S-29152-17	802569	2
	Bendix cast 430mm rotor	Includes 1 U-shaped rotor	S-32193	K110358	2
	Inch fasteners for U-shaped rotor	Includes 20 bolts and 20 washers for U-shaped rotor	S-35210-1	–	1
	Inch fasteners for U-shaped rotor	Includes 10 bolts and 10 washers for U-shaped rotor	S-35210-2	–	2
	ConMet flat rotor	Includes 1 flat rotor, 10 bolts and 10 washers	S-39890-1	10016195	2
	Bendix splined rotor fastener kit	Includes 1 Bendix fastener kit	S-29152-18	K037767	2
Haldex DB22LT	Hendrickson cast 430mm rotor	Includes 1 U-shaped rotor, 10 bolts and 10 washers	S-38764	–	2
	Metric fasteners for cast rotor	Includes 20 bolts and 20 washers	S-35210-3	–	1
	Metric fasteners for cast rotor	Includes 10 bolts and 10 washers	S-35210-4	–	2
WABCO PAN17	Hendrickson cast 325mm rotor	Includes 1 rotor and fasteners	S-33391	–	2
	Metric fasteners for cast rotor	Includes 16 bolts	S-35210-5	–	1
	Metric fasteners for cast rotor	Includes 8 bolts	S-35210-6	–	2
WABCO PAN19	Hendrickson cast 375mm rotor	Includes 1 rotor and fasteners	S-33389-1	–	2
	Metric fasteners for cast rotor	Includes 20 bolts and 20 washers	S-35210-3	–	1
	Metric fasteners for cast rotor	Includes 10 bolts and 10 washers	S-35210-4	–	2

NOTE: Hendrickson recommends replacing bolts. Cross reference numbers include rotor only.

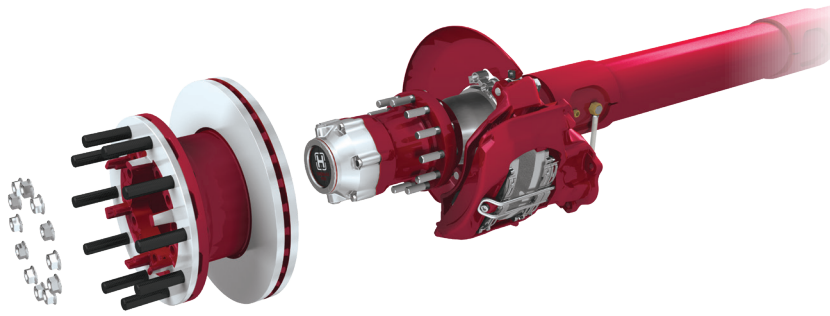


ROTOR AND ATTACHMENT HARDWARE KITS - MAXX22T™ INBOARD MOUNTED ROTOR (Air Disc Brakes Only)

ADB BRAND	HUB	DESCRIPTION	CONTAINS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™	Dura-Light Hub®	Hendrickson rotor, short stud	Includes 1 rotor and 10 short wheel studs	S-41533-1	17-00188	2
		Hendrickson rotor, long stud	Includes 1 rotor and 10 long wheel studs	S-41533-2	17-00188	2
		Short wheel stud	1 short wheel stud	S-37024-1	02-00195	20
		Long wheel stud	1 long wheel stud	S-37024-2	02-00175	20
	Ductile Iron	WABCO rotor	Includes 1 rotor*, 10 rotor bolts and 10 rotor washers	S-38765	6629056112	2
		Metric fasteners for Hendrickson MAXX22T cast rotor	Includes 20 bolts and 20 washers	S-35210-3	-	1
		Metric fasteners for Hendrickson MAXX22T cast rotor	Includes 10 bolts and 10 washers	S-35210-4	-	2
		Hendrickson MAXX22T rotor replacement kit - HN	HN Spindle; Includes 1 rotor, 10 rotor bolts, 10 rotor washers, 6 caliper bolts, 6 caliper washers, 1 seal, 1 gasket, 6 hubcap screws, 6 hubcap washers, 2 button head screws, 1 PRECISION240® lock washer and 1 package of Delo	S-37434-1	6629056112	2
		Hendrickson MAXX22T rotor replacement kit - HP	HP Spindle; Includes 1 rotor, 10 rotor bolts, 10 rotor washers, 6 caliper bolts, 6 caliper washers, 1 seal, 1 gasket, 6 hubcap screws, 6 hubcap washers, 2 button head screws, 1 PRECISION320® lock washer and 1 package of Delo	S-37434-2	6629056112	2

NOTE: Hendrickson recommends replacing bolts.

*Cross reference numbers include rotor only except 02-00195 and 02-00175.



ROTOR AND ATTACHMENT HARDWARE KITS - MAXX22T™ OUTBOARD MOUNTED ROTOR (Air Disc Brakes Only)

ADB BRAND	HUB	DESCRIPTION	CONTAINS	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
Hendrickson MAXX22T™	Steel	Hendrickson MAXX22T Outboard Mounted Rotor replacement kit - Steel/AL Wheels	Includes 1 Rotor/Flange, 12 flange nuts, 6 caliper bolts, 6 caliper washers	S-41663-2	–	2
		Fasteners for Hendrickson MAXX22T Outboard Mounted Rotor Cast Rotor/Flange	Includes 12 flange nuts	S-35210-7	–	2
		Long wheel stud	Includes 1 long wheel stud	S-40276-2	–	20
		Outboard Mounted Rotor Hub Stud**	Includes 1 Outboard Mounted Rotor hub stud	S-40207	–	24

NOTE: Hendrickson recommends replacing bolts.

* Cross reference numbers include rotor only except 02-00195 and 02-00175.

** When replacing OMR Hub Studs, the rotor must be removed.



HUBCAPS

HENDRICKSON ORIGINAL EQUIPMENT REPLACEMENTS

RTR® PACKAGE	TIRES	LUBE TYPE	TIRE INFLATION SYSTEM	SPINDLE	PART NUMBER	
HXL7® with Outboard Mounted Rotor	Super Single Dual	Semi-fluid Grease	TIREMAAX® PRO	HX	VS-40870-3	
			TIREMAAX PRO-LB	HX	VS-41202-3	
Semi-fluid Grease		TIREMAAX® CP	HP	VS-32070-3		
		TIREMAAX PRO		VS-32056-3		
		TIREMAAX PRO-LB		VS-40719-3		
		None		S-34434		
HXL5®		Semi-fluid Grease	TIREMAAX CP	HN	VS-32068-3	
				HP	VS-32070-3	
			TIREMAAX PRO	HN	VS-32055-3	
				HP	VS-32056-3	
			TIREMAAX PRO-LB	HN	VS-40718-3	
				HP	VS-40719-3	
	None		HN	S-33376		
			HP	S-33377		
HXL3®	Oil	TIREMAAX CP	HN	VS-32068-1		
			HP	VS-32070-1		
		TIREMAAX PRO	HN	VS-32055-1		
			HP	VS-32056-1		
		TIREMAAX PRO-LB	HN	VS-40718-1		
			HP	VS-40719-1		
		None	HN	S-34784		
			HP	S-35943-1		
Global Service HLS®*	Grease	None	HN	S-27858		
	HP	S-27859				
	Oil	None	HP	S-35943-3		
	Semi-fluid Grease	TIREMAAX CP	HN	VS-32068-3		
HP			VS-32070-3			
TIREMAAX PRO		HN	VS-32055-3			
		HP	VS-32056-3			
TIREMAAX PRO-LB		HN	VS-40718-3			
		HP	VS-40719-3			
Std. Service Global Service HLS ConMet Preset	Semi-fluid Grease	TIREMAAX CP	HN	VS-32068-1		
			HP	VS-32070-1		
		TIREMAAX PRO	HN	VS-32055-1		
			HP	VS-32056-1		
		TIREMAAX PRO-LB	HN	VS-40718-1		
			HP	VS-40719-1		
		Std. Service Global Service** HVS® ConMet Preset	Oil	TIREMAAX CP	HN	VS-32068-1
					HP	VS-32070-1
TIREMAAX PRO	HN			VS-32055-1		
	HP			VS-32056-1		
TIREMAAX PRO-LB	HN			VS-40718-1		
	HP			VS-40719-1		

NOTE: Hendrickson part numbers include hubcap and gasket.

*HLS is grease hubcap only.

**Global Service oil hubcaps only available with HP spindle.



DUAL DYNAMICS ORIGINAL EQUIPMENT REPLACEMENTS

RTR® PACKAGE	TIRES	LUBE TYPE	TIRE INFLATION SYSTEM	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER
HXL7®	Super Single Dual	Semi-fluid Grease	TIREMAAX®	HP	VS-31185	–
HVS®		Oil	None	HN	C-28572	207-PSN
				HP	C-28573	257-PSN
Std. Service		Semi-fluid Grease	None	HN	C-29467	202-G
				HP	C-29466	255-G
ConMet Preset		Semi-fluid Grease	None	HN	C-41416	201-GICON
				HP	C-41418	256-GICON
		Oil	None	HN	C-41415	203-PCON
	HP			C-41417	257-PCON	

NOTE: Hendrickson part numbers and cross reference numbers for Dual Dynamics include hubcap only.

STANDARD BOLT-ON ORIGINAL EQUIPMENT REPLACEMENTS

RTR PACKAGE	TIRES	LUBE TYPE	TIRE INFLATION SYSTEM	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER
Std. Service	Super Single Dual	Semi-fluid Grease	TIREMAAX	HN	VS-31290	340-4307
				HP	VS-31291	340-4311
		Oil	TIREMAAX	HN	VS-31292	343-4307
				HP	VS-31293	343-4311
			None	HN	A-1974	343-4009
				HP	S-35943-2	HWB-195-3SSWC

NOTE: Hendrickson part numbers and cross reference numbers for Stemco bolt-on include hubcap only.

STEMCO SENTINEL ORIGINAL EQUIPMENT REPLACEMENTS

RTR PACKAGE	TIRES	LUBE TYPE	TIRE INFLATION SYSTEM	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER
Std. Service	Super Single Dual	Semi-fluid Grease	None	HN	Contact Stemco or Authorized Distributor	349-4009
				HP		349-4195
		Oil	None	HN		348-5307
				HP		348-5308

NOTE: Hendrickson part numbers and cross reference numbers for Stemco Sentinel include hubcap only.

RTR PACKAGE	TIRES	LUBE TYPE	TIRE INFLATION SYSTEM	SPINDLE	PART NUMBER	CROSS REFERENCE NUMBER
Global Service HLS	Super Single Dual	Semi-fluid Grease	None	HN	Contact Stemco or Authorized Distributor	HS009P
				HP		HS164P

NOTE: Hendrickson part numbers and cross reference numbers for Stemco Sentinel include hubcap only.

**HUBCAP PLUG**

HUBCAP BRAND	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER	QTY. PER AXLE
STEMCO Bolt-On	Rubber Hubcap Plug	S-26040	359-5990	2
Dual Dynamics	ConMet Preset Plug	S-30004	DOP10162	2
STEMCO Sentinel	Plastic Hubcap Plug	S-26041	359-6103	2
Hendrickson Std. Bolt-On	Rubber Hubcap Plug	S-39932-1	–	2



HXL REBUILD KITS

RTR® PACKAGE	SPINDLE	DESCRIPTION	PART NUMBER	QTY. PER AXLE	NOTES
HXL3®	HN	Hubcap attachment hardware	S-37431-1	2	Includes (1) gasket, (6) screws and washer assemblies
		HXL seal replacement kit	S-37432-3	2	(1) seal, (1) gasket, (2) button head screws, (1) PRECISION240® interlock washer, (6) screws and washer assemblies
		Hub rebuild kit	S-37433-3	2	Includes (1) inner bearing set, (1) outer bearing set, (1) seal, (1) gasket, (2) button head screws, (1) PRECISION240 interlock washer, (6) screws and washer assemblies
	HP	Hubcap attachment hardware	S-37931-2	2	Includes (1) gasket, (6) screws and washer assemblies
		HXL seal replacement kit	S-37432-4	2	Includes (1) seal, (1) gasket, (2) button head screws, (1) PRECISION320 interlock washer, (6) screws and washer assemblies
		Hub rebuild kit	S-37433-4	2	Includes (1) inner bearing set, (1) outer bearing set, (1) seal, (1) gasket, (2) button head screws, (1) PRECISION320 interlock washer, (6) screws and washer assemblies
HXL5®	HN	Hubcap attachment hardware	S-37431-1	2	Includes (1) gasket, (6) screws and washer assemblies
		HXL seal replacement kit	S-37432-1	2	Includes (1) seal, (1) gasket, (2) button head screws, (1) PRECISION240 interlock washer, (1) package of delo grease, (6) screws and washer assemblies
		Hub rebuild kit	S-37433-1	2	Includes (1) inner bearing set, (1) outer bearing set, (1) seal, (1) gasket, (2) button head screws, (1) PRECISION240 interlock washer, (1) package of delo grease, (6) screws and washer assemblies
HXL5 HXL7®	HP	Hubcap attachment hardware	S-37431-2	2	Includes (1) gasket, (6) screws and washer assemblies
		HXL seal replacement	S-37432-2	2	Includes (1) seal, (1) gasket, (2) button head screws, (1) PRECISION320® interlock washer, (1) package of delo grease, (6) screws and washer assemblies
		Hub rebuild kit	S-37433-2	2	Includes (2) bearing sets, (1) seal, (1) gasket, (2) button head screws, (1) PRECISION320 interlock washer, (1) package of delo grease, (6) screws and washer assemblies
HXL3 HXL5 HXL7*	HN	HXL wheel-end adjustment kits	S-39096-1	2	Includes (1) gasket, (6) screw and washer assemblies, (2) button head screws, (1) PRECISION240 interlock washer
	HP		S-39096-2	2	Includes (1) gasket, (6) screw and washer assemblies, (2) button head screws, (1) PRECISION320 interlock washer
HXL7 with Outboard Mounted Rotor	HX	HXL wheel-end adjustment kits	S-39096-3	2	Includes (1) gasket, (6) screw and washer assemblies, (2) button head screws, (1) PRECISION320 interlock washer
		Hubcap attachment hardware	S-37431-3	2	Includes (1) gasket, (6) screws and washer assemblies
		HXL seal replacement kit	S-37432-5	2	Includes (1) seal, (1) gasket, (6) screw and washer assemblies, (2) button head screws, (1) PRECISION320 interlock washer, (12) flange nuts, (6) caliper bolts, (6) caliper washers, (1) package of delo grease
		Hub rebuild kit	S-37433-5	2	Includes (2) bearing sets, (1) seal, (1) gasket, (6) screw and washer assemblies, (2) button head screws, (1) PRECISION320 interlock washer, (12) flange nuts, (6) caliper bolts, (6) caliper washers, (1) package of delo grease

*HXL7 is HP/HX only



MAINTENANCE TOOLS

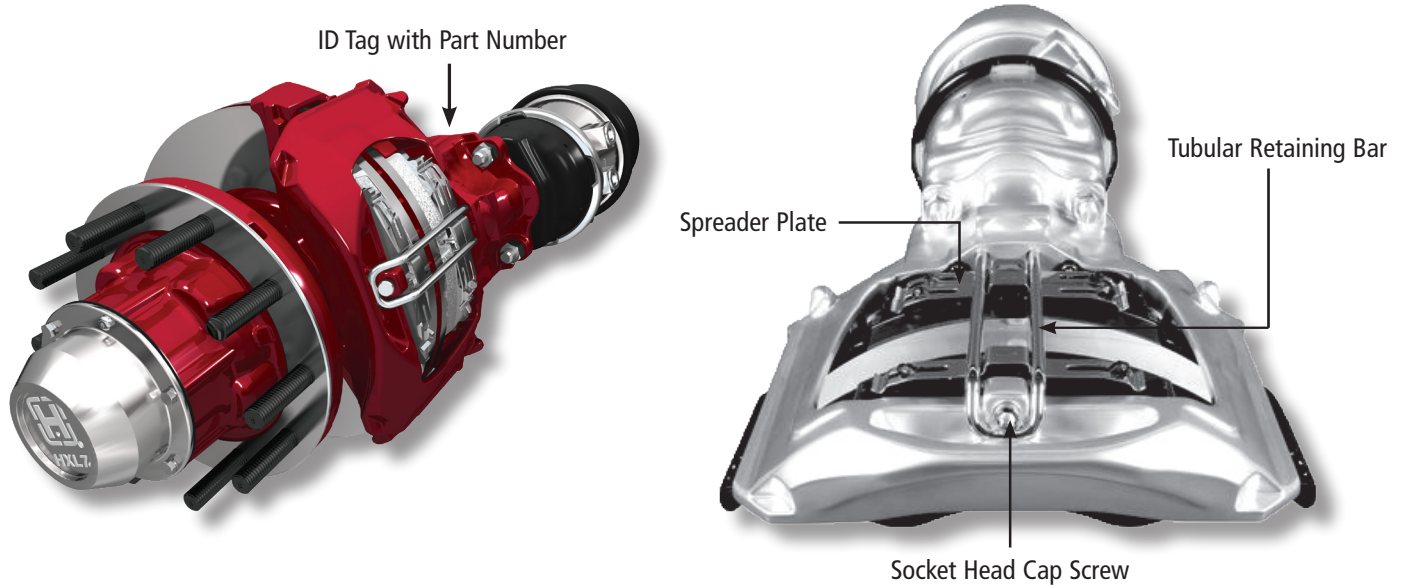
BRAND	BRAKE TYPE	DESCRIPTION	PART NUMBER	CROSS REFERENCE NUMBER
All	Air Disc	Includes 1 pad and rotor wear indicator tool	S-37430	–
		Includes 10 pad and rotor wear indicator tools	S-37430-BK	–
	Air Disc / Drum	HN end play gauge	S-36710-1	–
		HP/HX end play gauge	S-36710-2	–
		HN & HP/HX end play gauge	S-36710-3	–
		Digital end play gauge indictator	S-36706	–
	Air Disc	Glass inspection mirror	S-38040	–
		Inspection flashlight	S-38180	–
		Pad & rotor inspection kit	S-38181	–
		Includes 1 adjuster tool	S-32676-5	6401955222
Hendrickson MAXX22T™	Air Disc	Includes 1 tool for MAXX22T	S-35303-6	6403225222
		Offset box wrench	S-38378	–
		Includes 1 adjuster tool	S-32676-5	6401955222
WABCO PAN22	Air Disc	Includes 1 tool for PAN22-1	S-32676-6	6401955212
		Offset box wrench	S-38378	–
		Includes 1 special assembly tool kit	S-30560-1	791-1000
Haldex DB22LT				



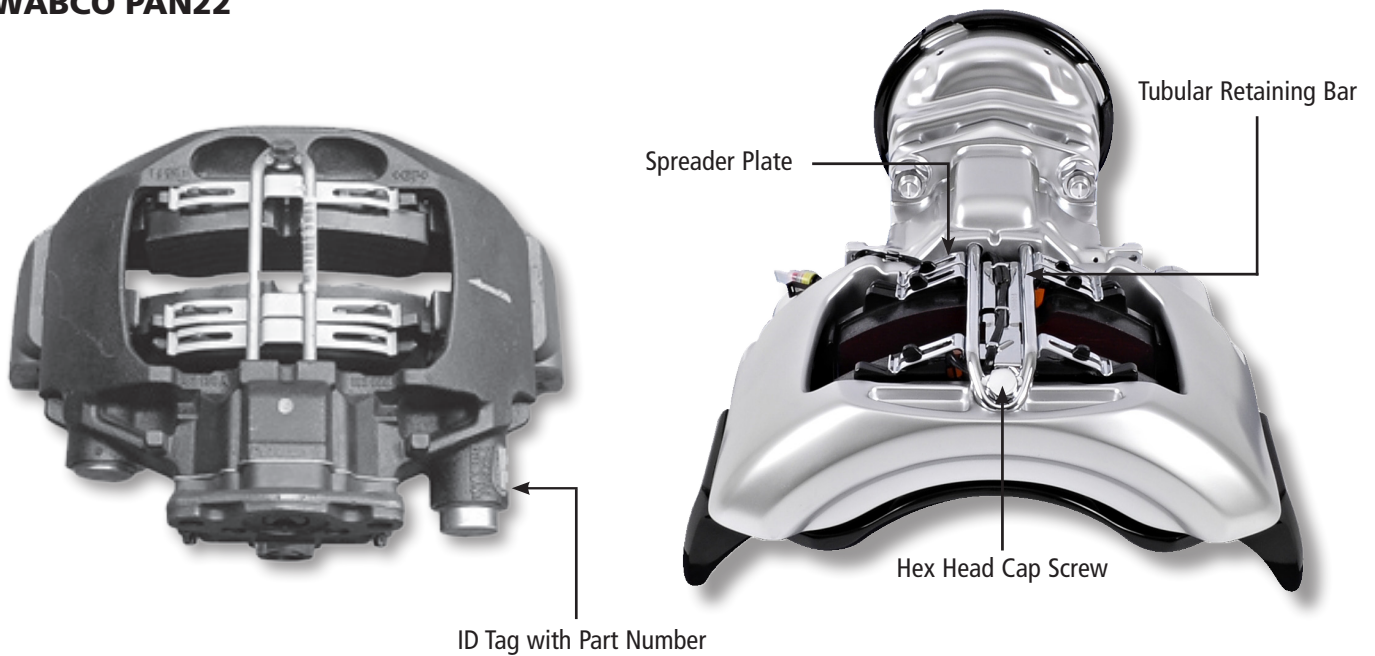
HOW TO IDENTIFY AN AIR DISC BRAKE SYSTEM

Please see below to help identify Hendrickson MAXX22T™, WABCO PAN22, Bendix ADB22X-LT and Haldex DBT 22LT ID tags and key identifiers.

Hendrickson MAXX22T™



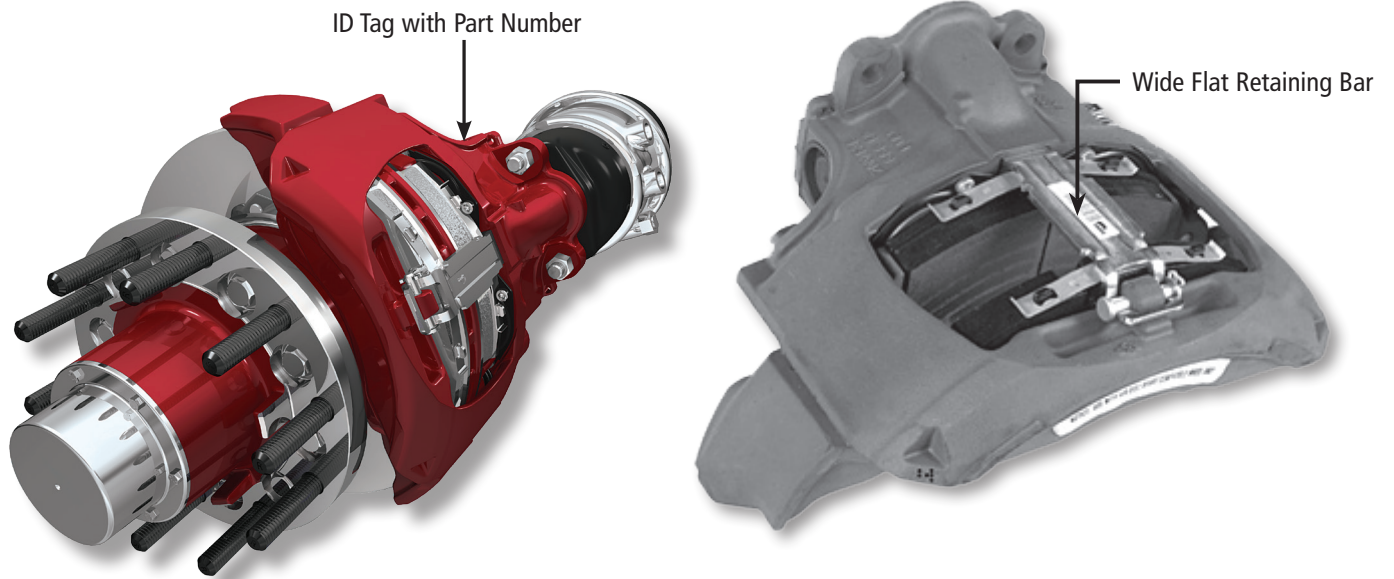
WABCO PAN22



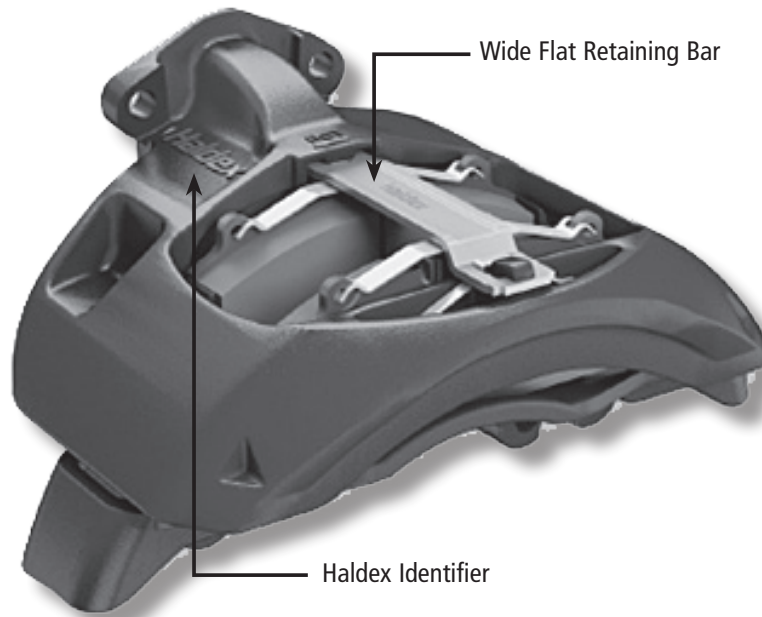


HOW TO IDENTIFY AN AIR DISC BRAKE SYSTEM – *continued*

Bendix ADB22X-LT

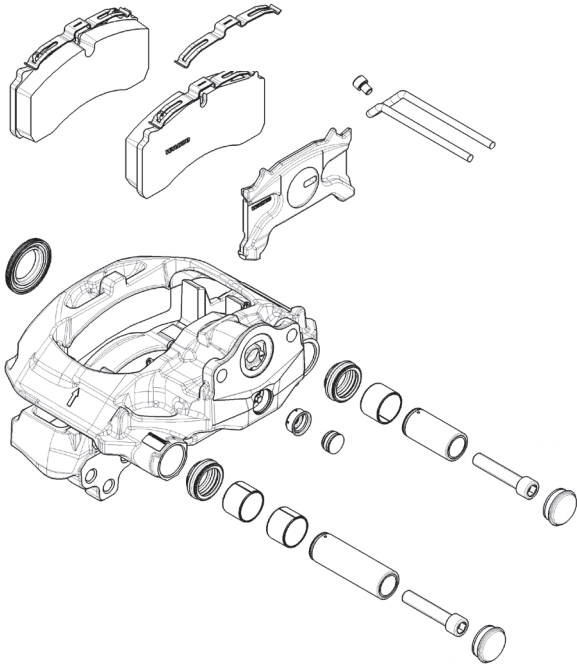


Haldex DBT22LT

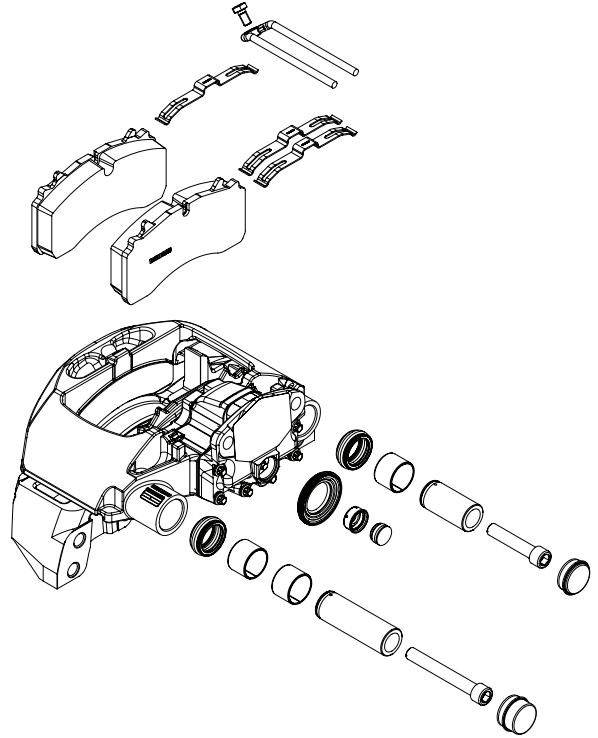




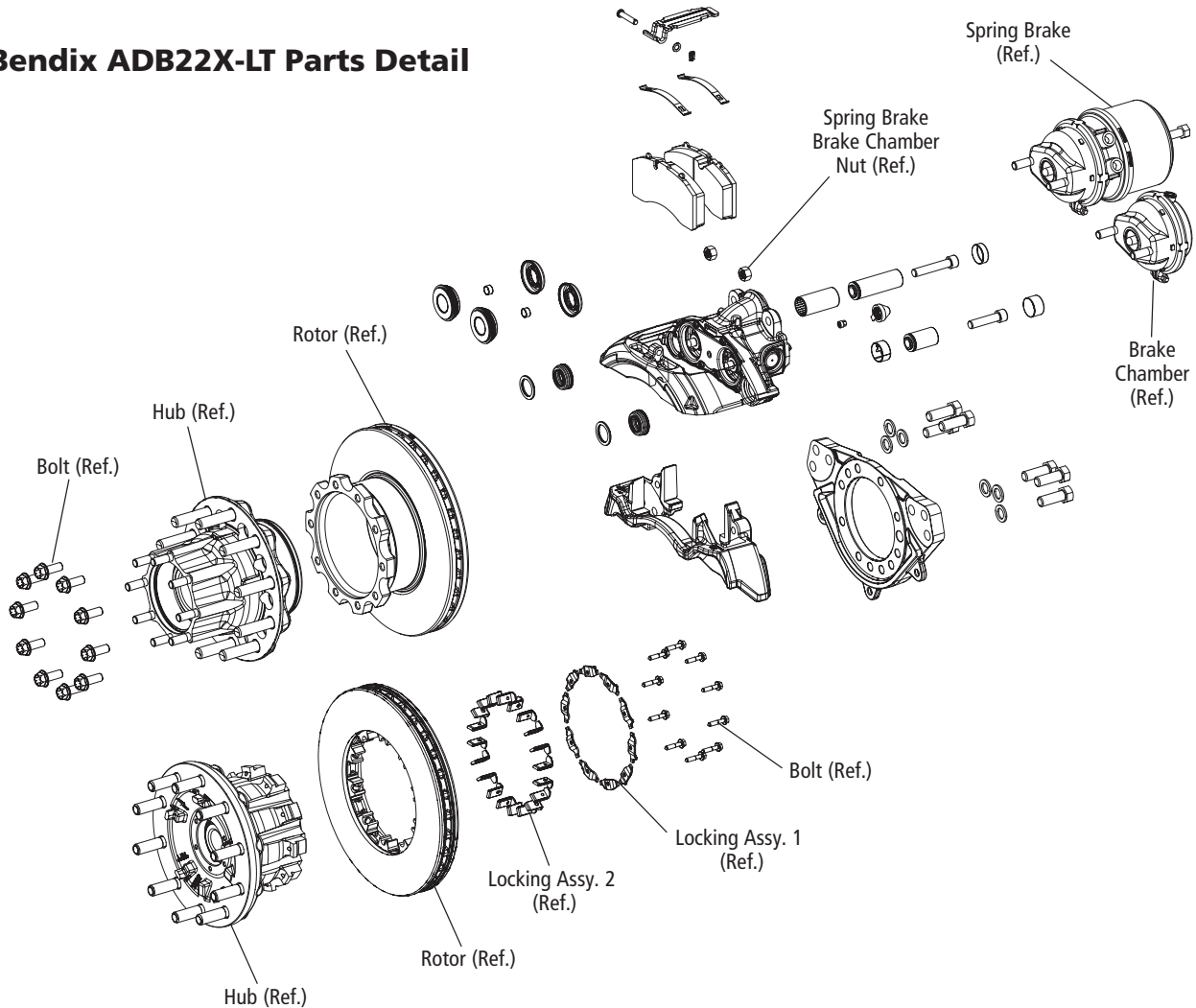
Hendrickson MAXX22T™ Parts Detail



WABCO PAN22 Parts Detail

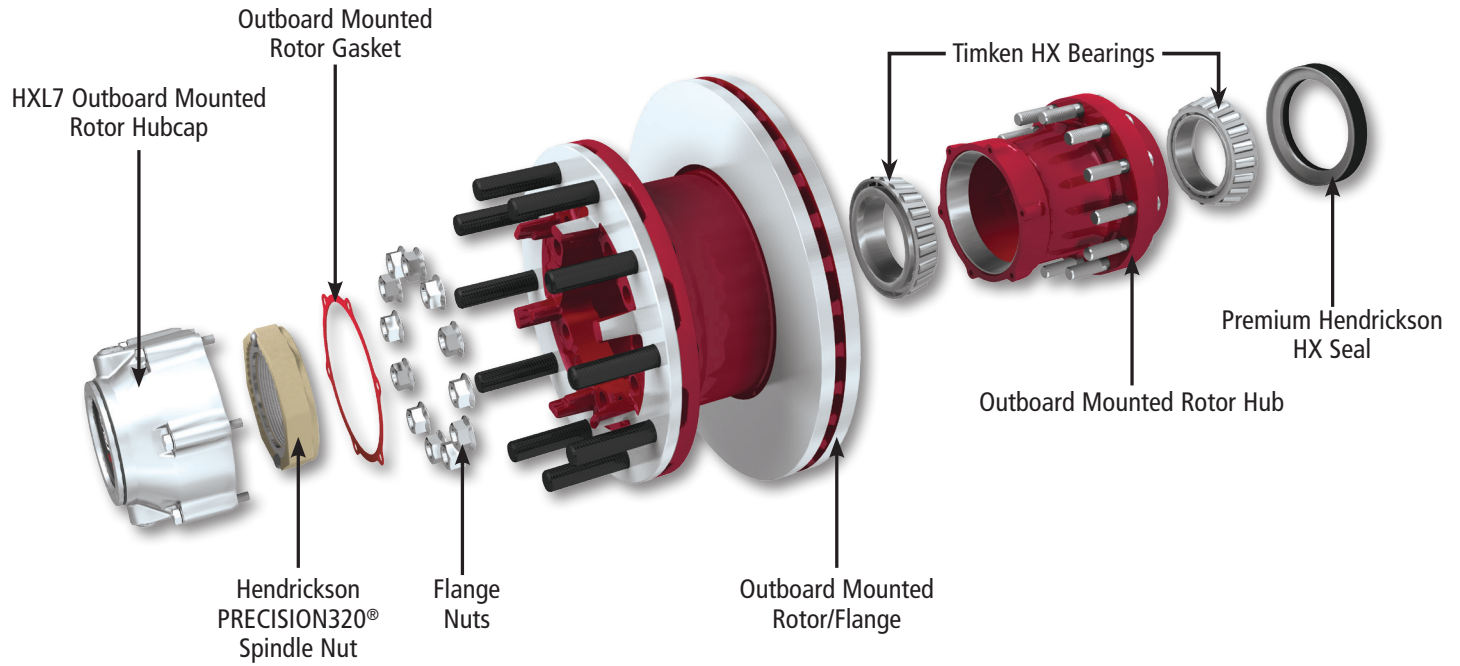


Bendix ADB22X-LT Parts Detail



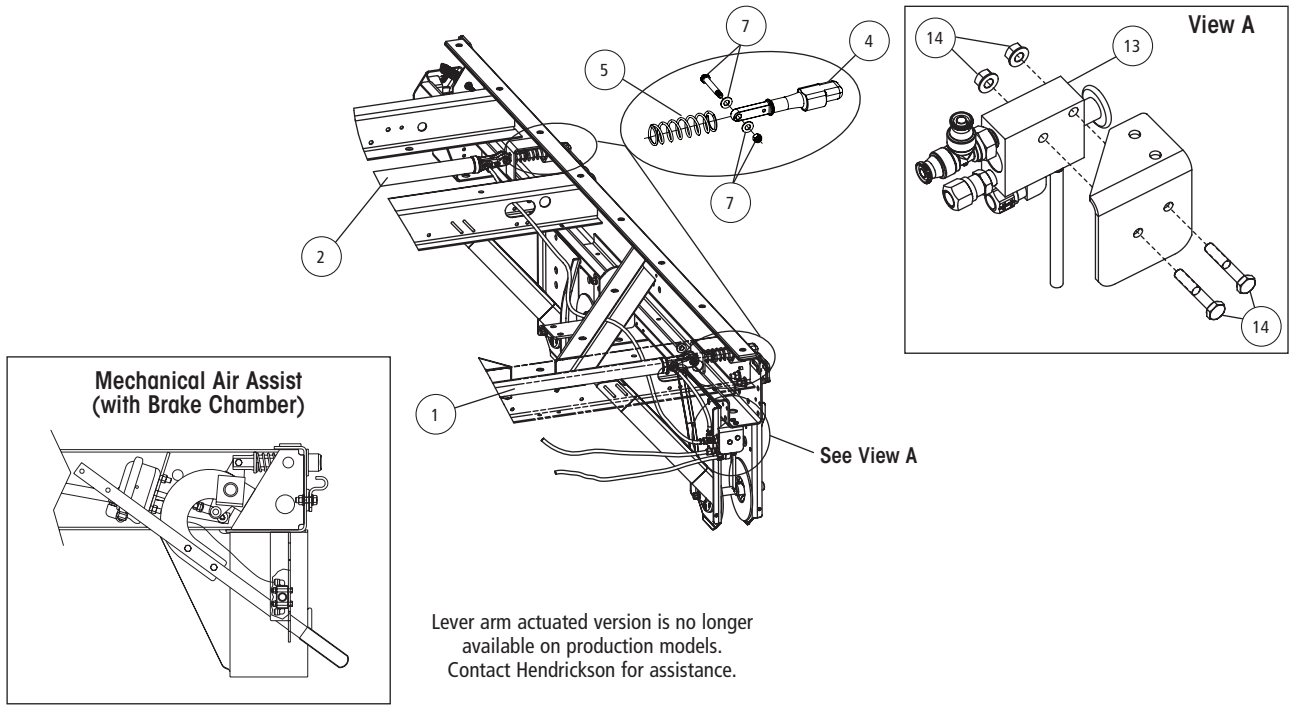


Hendrickson HXL7® with Outboard Mounted Rotor Parts Detail

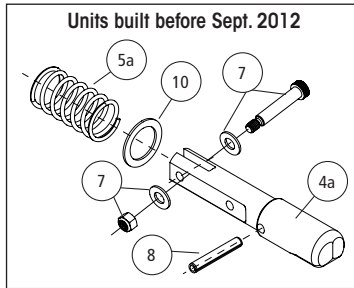
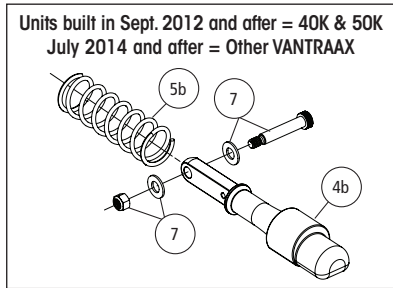




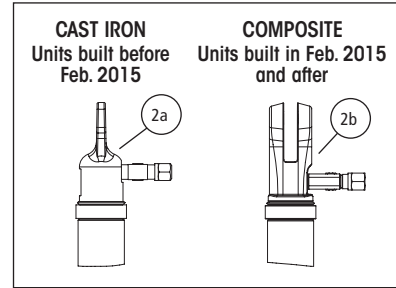
VAN APPLICATIONS (VANTRAA[®], ULTRAA-K[®] and HK[™] SERIES) —
SEE PAGE 3 FOR PLATFORM APPLICATIONS (INTRAA[®] SP)



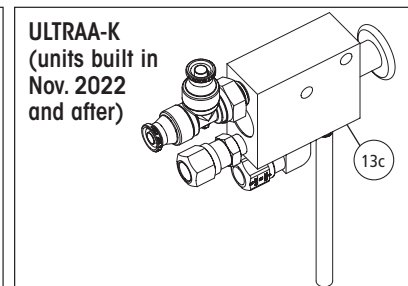
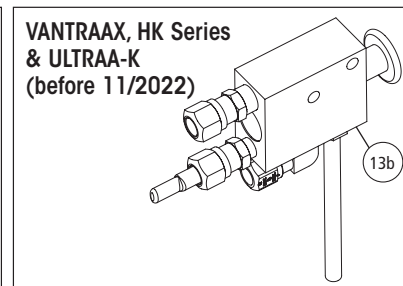
SLIDER PINS



QUIK-DRAW[®] ACTUATOR ENDS



QUIK-DRAW VALVES



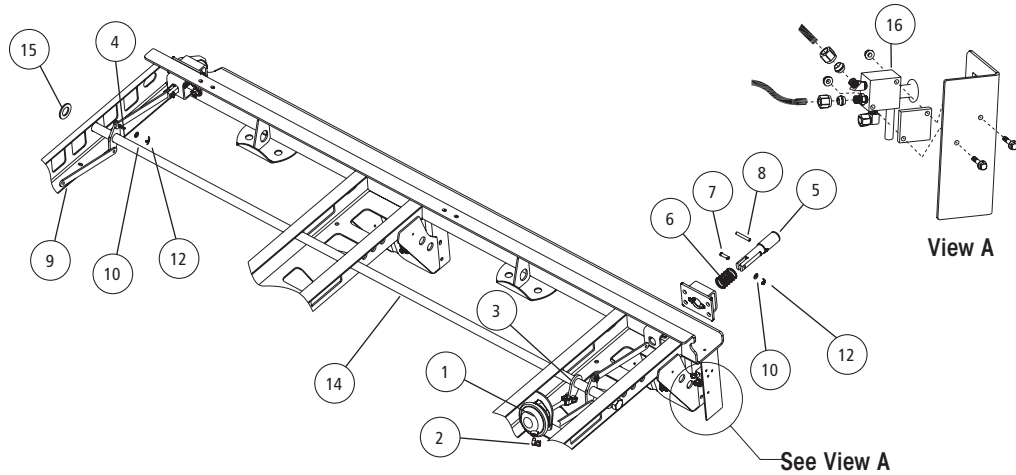


ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	FRONT LINEAR ACTUATOR WITH FITTINGS			
	Cast Iron (Units built before Feb. 2015)			
	42" box	S-28061-1	1	Includes one T-fitting
	48" and 54" box	S-28061-2	1	Includes one T-fitting
	Composite (Units built in Feb. 2015 and after)			
	42" box	S-35294-1	1	Includes one T-fitting, clevis pin & hardware
	48" and 54" box	S-35294-2	1	Includes one T-fitting, clevis pin & hardware
	48" box (ULTRAA-K units built after Nov. 2022)	S-35295-2	1	Includes one straight air line fitting, clevis pin & hardware
2	REAR LINEAR ACTUATOR WITH FITTINGS			
	2a Cast Iron (Units built before Feb. 2015)			
	42" box	S-28062-1	1	Includes one straight air line fitting
	48" and 54" box	S-28062-2	1	Includes one straight air line fitting
	2b Composite (Units built in Feb. 2015 and after)			
	42" box	S-35295-1	1	Includes one straight air line fitting, clevis pin & hardware
	48" and 54" box	S-35295-2	1	Includes one straight air line fitting, clevis pin & hardware
3	PIN EXTENSION FOR 54-INCH BOX (Not Shown)	S-32969	4	
4	LOCKING PIN			
	4a Units built before Sept. 2012			
	1.375" diameter pin	S-28290	4	4" (TTMA) and 6" body rail hole spacing
	1.625" diameter pin	S-28289	4	4" body rail hole spacing
	4b Units built in Sept. 2012 and after – 40K and 50K / July 2014 – Other VANTRAAX®			
	1.375" diameter pin	S-32389	4	4" (TTMA) and 6" body rail hole spacing
	1.625" diameter pin	S-32388	4	4" body rail hole spacing
5	LOCKING PIN SPRING			
	5a Units built before Sept. 2012			
	42" box	B-22000	4	3.8" spring
	48" and 54" box	B-28930	4	3.25" spring
	5b Units built in Sept. 2012 and after – 40K and 50K / July 2014 – Other VANTRAAX			
	42", 48" and 54" box with QUIK-DRAW®	B-32500	4	4.5" spring
6	CLEVIS PIN (Not Shown)			
	6a Clevis pin (units built before Sept. 2012)	SA-5200-6	4	3/8" × 1.380"
	6b Clevis pin (units built in Sept. 2012 and after - 40K and 50K / July 2014 - Other VANTRAAX)			
	Cast iron end	SA-5200-8	4	3/8" × 1.50"
	Composite end	SA-5200-10	4	3/8" × 1.813"
7	SLIDER PIN BOLT KIT	S-39880-1	1	Includes 4 - 1.75" shoulder bolts, 4 - 1" shoulder bolts, 8 washers and 4 nuts
8	SPRING PIN (units built before Sept. 2012)	SA-8100-4	4	3/8" × 2.5" roll pin
9	LOCKING PIN WASHER (Not Shown)	SA-1500-2	6	3/8" I.D. flat washer
10	PIN WASHER	A-30641	4	
11	LOCKING COTTER PIN (Not Shown)	A-29557	6	3/32" × 1" cotter pin
12	LOCKING PIN LINK (Not Shown)			
	42" box	S-32967-1	2	
	48" box	S-32967-2	2	
	54" box	S-32967-3	2	

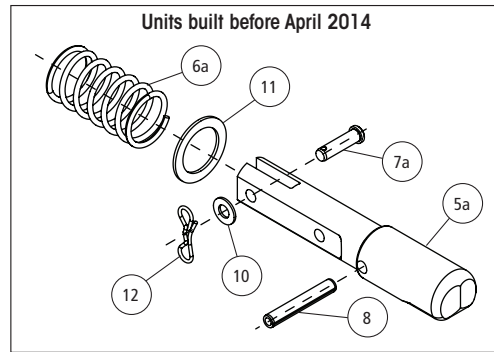
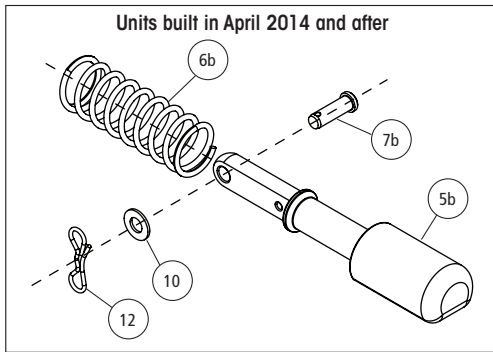


ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
13	QUIK-DRAW VALVE			
	13a VANTRAAX, HK Series and ULTRAA-K® (units built before Nov. 2022)	VS-25223	1	Valve with integral knob
	13b VANTRAAX, HK Series and ULTRAA-K (units built before Nov. 2022)	VS-25224	1	Valve with integral knob and fittings
	13c ULTRAA-K (units built in Nov. 2022 and after)	VS-41590-1	1	Valve with integral knob and fittings
14	QUIK-DRAW BRACKET HARDWARE	SA-1100-15	2	ULTRAA-K only
		SA-7000-5	2	ULTRAA-K only
15	QUIK-DRAW RETROFIT KIT (Not Shown)			Includes all retrofit components and installation instructions
	42" box	D-25430-2	1	
	48" box	D-25430-8	1	
	54" box	D-25430-4	1	

PLATFORM APPLICATIONS (INTRAAX® SP) — SEE PAGE 1 FOR VAN APPLICATIONS



SLIDER PINS



ITEM	DESCRIPTION	PART NO.	QTY. ¹	NOTES
1	BRAKE CHAMBER ACTUATOR	A-23039	1	Type 12 modified
2	90° ELBOW FITTING	SA-4300-19	1	
3	BRAKE CHAMBER ACTUATOR CRANK ARM	S-26964	1	
4	CRANK ARM WELDMENT			
	Manual and customer supplied	B-26934	2	For front and rear of slider box
	Mechanical air assist	B-26934	1	For rear of slider box

1. Quantities may vary depending on model configuration.

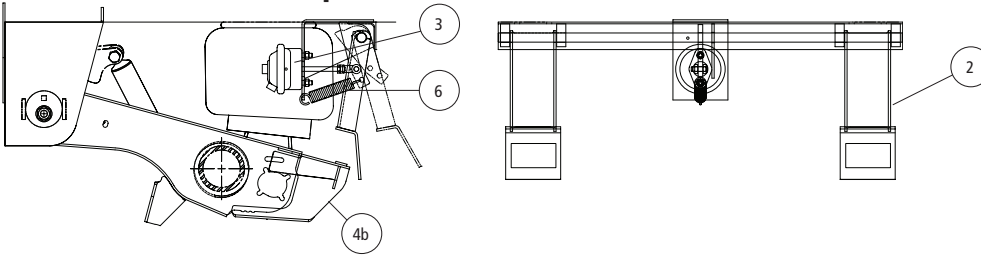


ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
5	LOCKING PIN			
	5a Units built before April 2014			
	1.625" diameter pin	S-28289	4	4" body rail hole spacing
	5b Units built in April 2014 and after			
	1.625" diameter pin	S-32388	4	4" body rail hole spacing
6	LOCKING PIN SPRING			
	6a Units built before April 2014			
	42" box	B-22000	4	3.25" spring
	48" and 54" box	B-28930	4	3.8" spring
	6b Units built in April 2014 and after			
	42", 48" and 54" box with QUIK-DRAW®	B-32500	4	4.5" spring
7	CLEVIS PIN			
	7a Units built before April 2014	SA-5200-6	4	3/8" × 1.375"
	7b Units built in April 2014 and after	SA-5200-3	4	3/8" × 1.5"
8	SPRING PIN	SA-8100-4	4	3/8" × 2.5" roll pin
9	LOCKING PIN LINK			
	37" box	S-26961-1	4	
	38" box	S-26961-2	4	
	43" box	S-26961-3	4	
	44" box	S-26961-4	4	
10	LOCKING PIN WASHER (Not Shown)	SA-1500-2	4	3/8" I.D. flat washer
11	PIN WASHER	A-30641	4	1.41" I.D. flat washer
12	LOCKING COTTER PIN	A-29557	8	3/32" × 1" cotter pin
13	OUTER PIN CAGE ASSEMBLY			Includes roadside and curbside pin cage and (8) bolts
	Without shims	S-28658-3	2	Customer uses inner web reinforcements (includes mounting bolt)
	With shims	S-28658-4	2	Customer uses outer web reinforcements (includes mounting bolt)
14	PIPE WELDMENT			Contact Hendrickson for assistance
15	RING STOP	A-21347	1	
16	QUIK-DRAW® VALVE			
	Three-way auto reset valve	VS-25223	1	Valve with integral knob
	Three-way auto reset valve assembly	VS-25224	1	Valve with integral knob and fittings

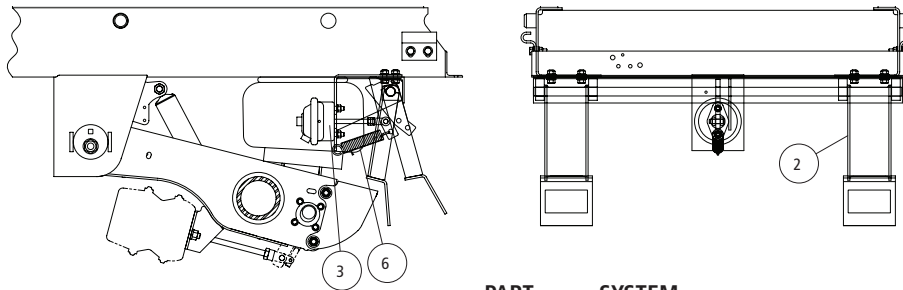
1. Quantities may vary depending on model configuration.



INTRAAAX® AANT 23K Suspension



INTRAAAX AAT 23K /25K Suspensions



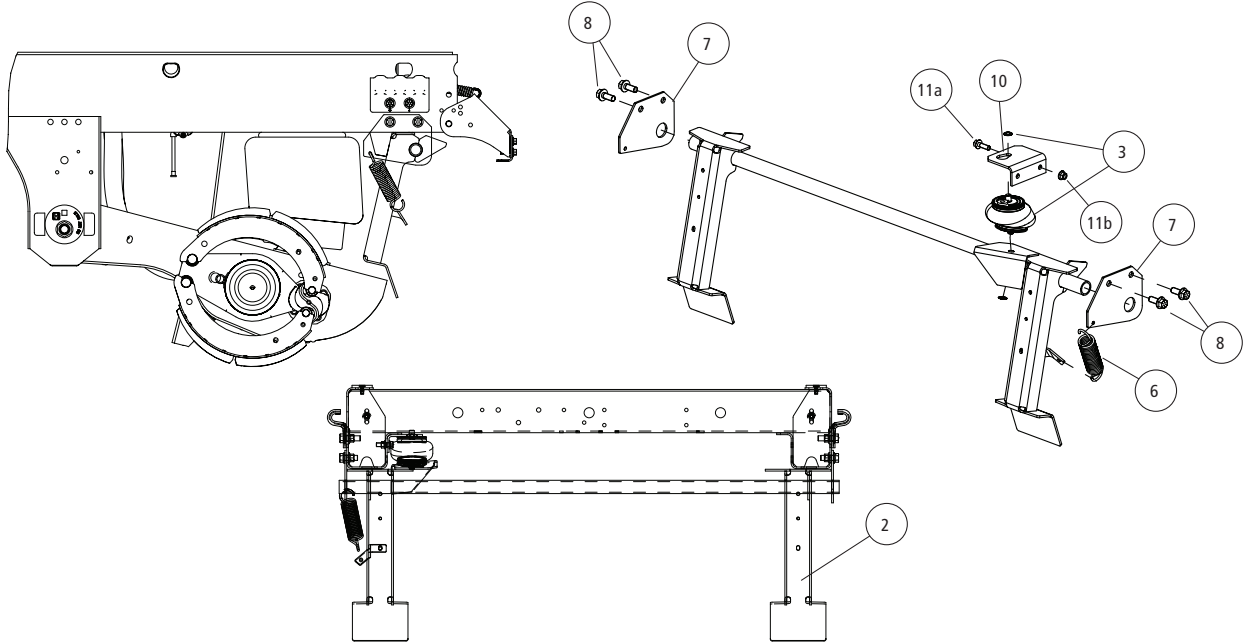
Note: Picture does not depict all models available. Please contact Hendrickson for retrofit kits. SURELOK models with identification tag will read SLK_XXX.

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE																																							
1	SURELOK® RETROFIT KIT (Not shown)	SLK_XXX	1	Please contact Hendrickson for assistance																																							
<table border="1"> <thead> <tr> <th>SURELOK SERIES</th> <th>SUSPENSION MODEL</th> </tr> </thead> <tbody> <tr> <td>SLKF</td> <td>AAT Models</td> </tr> <tr> <td>SLKV</td> <td>AAT Models with High Control</td> </tr> <tr> <td>SLKT</td> <td>AANT Models</td> </tr> <tr> <td>SLKY</td> <td>AANT Models with Long Beams</td> </tr> </tbody> </table>		SURELOK SERIES	SUSPENSION MODEL	SLKF	AAT Models	SLKV	AAT Models with High Control	SLKT	AANT Models	SLKY	AANT Models with Long Beams																																
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<table border="1"> <thead> <tr> <th>Axle Track</th> <th>71.5"</th> <th>77.5"</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align:center">AIR SPRING ACTUATED (SLKT with High Control)</td> </tr> <tr> <td>14.0" ride height</td> <td>—</td> <td>S-36186-21</td> </tr> <tr> <td colspan="3" style="text-align:center">BRAKE CHAMBER ACTUATED (SLKF, SLKV AND SLKT)</td> </tr> <tr> <td>13.5" ride height</td> <td>S-22487-1</td> <td>S-22487-5</td> </tr> <tr> <td>14.0" ride height</td> <td>S-22487-2</td> <td>S-22487-6</td> </tr> <tr> <td>14.5" ride height</td> <td>S-22487-3</td> <td>S-22487-7</td> </tr> <tr> <td>15.0" ride height</td> <td>S-22487-4</td> <td>S-22487-8</td> </tr> <tr> <td>16.0" ride height</td> <td>S-22487-9</td> <td>S-22487-13</td> </tr> <tr> <td>16.5" ride height</td> <td>S-22487-17</td> <td>S-22487-18</td> </tr> <tr> <td>17.0" ride height</td> <td>S-22487-11</td> <td>S-22487-14</td> </tr> <tr> <td>18.0" ride height</td> <td>S-22487-11</td> <td>S-22487-15</td> </tr> <tr> <td>19.0" ride height</td> <td>S-22487-12</td> <td>S-22487-16</td> </tr> </tbody> </table>		Axle Track	71.5"	77.5"	AIR SPRING ACTUATED (SLKT with High Control)			14.0" ride height	—	S-36186-21	BRAKE CHAMBER ACTUATED (SLKF, SLKV AND SLKT)			13.5" ride height	S-22487-1	S-22487-5	14.0" ride height	S-22487-2	S-22487-6	14.5" ride height	S-22487-3	S-22487-7	15.0" ride height	S-22487-4	S-22487-8	16.0" ride height	S-22487-9	S-22487-13	16.5" ride height	S-22487-17	S-22487-18	17.0" ride height	S-22487-11	S-22487-14	18.0" ride height	S-22487-11	S-22487-15	19.0" ride height	S-22487-12	S-22487-16			
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15.0" ride height	S-22487-4	S-22487-8																																									
16.0" ride height	S-22487-9	S-22487-13																																									
16.5" ride height	S-22487-17	S-22487-18																																									
17.0" ride height	S-22487-11	S-22487-14																																									
18.0" ride height	S-22487-11	S-22487-15																																									
19.0" ride height	S-22487-12	S-22487-16																																									
3	BRAKE CHAMBER	A-21452	Type 9 Chamber																																								
4	BEAM EXTENSION (Not shown)																																										
4a Bolt-on AAT		SLKF, SLKV models; Includes beam extension and bolt kit																																									
Roadside		S-33016-1	1																																								
Curbside		S-33016-2	1																																								
4b Weld-on AANT		SLKT models; Includes beam extension																																									
Roadside		D-27653-1	1																																								
Curbside		D-27653-2	1																																								
5	BEAM EXTENSION HARDWARE (Not shown)																																										
BEAM EXTENSION BOLT KIT (Not shown)		S-25980	Includes SA-6900-16 & SA-7000-6																																								
5/8" - 11" flanged screw		SA-6900-16	8																																								
5/8" - 11" prevailing torque flanged nut		SA-7000-6	8																																								
6	SPRING	S-21539	1	1.25" × 6.125" X 0.177"																																							

1. Many SURELOK Retrofit kit options exist based on suspension model, ride height, slider width and valve selection. Contact Hendrickson for assistance.



ULTRAA-K® UTKNT 40K Slider Suspension

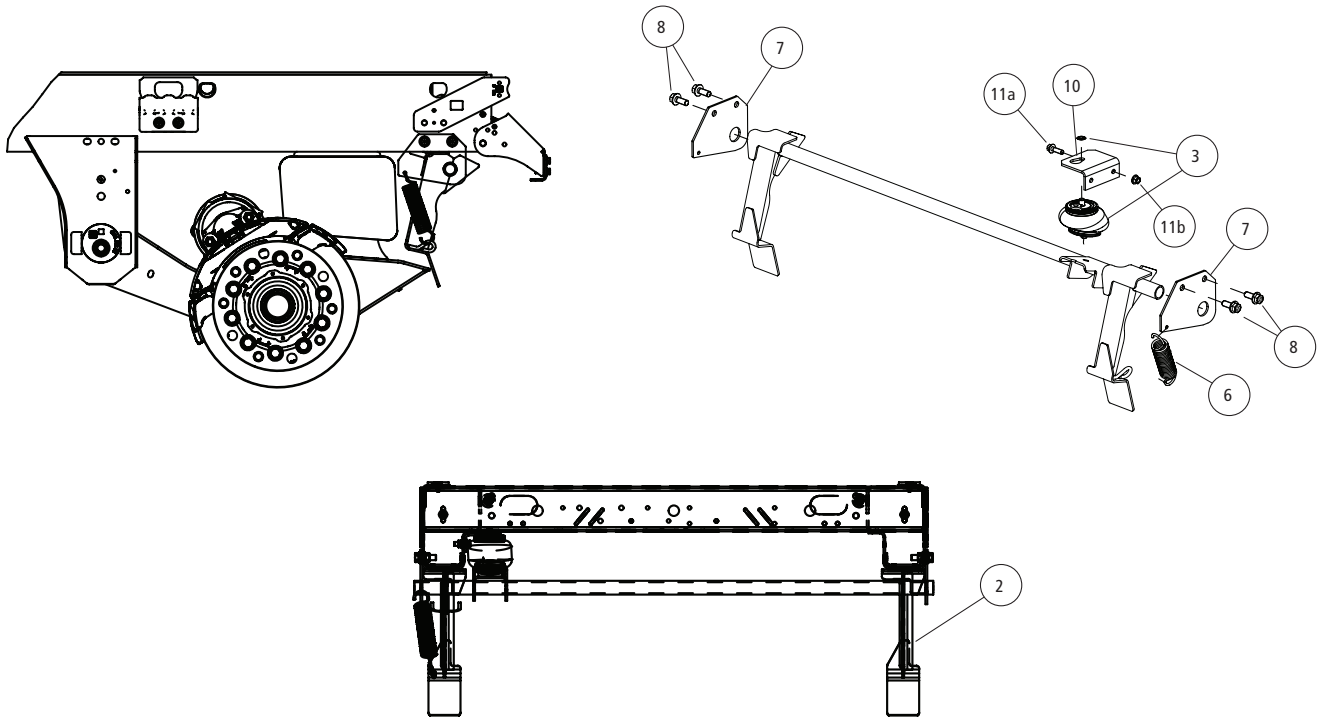


ITEM	DESCRIPTION	PART NO.	QTY.	SYSTEM	NOTE
1	SURELOK® RETROFIT KIT ¹ (Not shown)	SLK_XXX			Please contact Hendrickson for assistance
	SURELOK SERIES	SUSPENSION MODEL			
	SLKAA	Narrow pivot ULTRAA-K® with short beams			
	SLKAB	Narrow pivot ULTRAA-K with long beams			
2	RIDE HEIGHT LOCK ASSEMBLY				
	Slider Box Width	48" Box			
	AIR SPRING ACTUATED (SLKAA)				
	16.0" ride height	S-31763-1C			
3	AIR SPRING ACTUATOR ASSEMBLY	S-25593	1		Includes air spring actuator and 2 speed nuts
4	BEAM EXTENSION WELDMENTS (Not shown)				SLKAA models
	Roadside	D-27653-1	1		
	Curbside	D-27653-2	1		
5	RESTRAINT BOLT KIT	S-25516	1		Includes 1 bolt, 1 nut and 1 washer
6	SPRING	B-26597	1		1.50" × 6.63" × 0.177"
7	SHAFT BRACKET	C-31767	2		2 per bracket
8	MOUNTING HARDWARE FOR BRACKET	SA-6900-10	4		2 per bracket; 1/2"-13" flanged screw
9	SPEED NUT (Not shown)	A-24482-1	2		Included in S-25593
10	ACTUATOR BRACKET	C-31765	1		
11	ACTUATOR BRACKET HARDWARE ²				
	11a 3/8" - 16" Flanged screws	SA-6900-5	1		
	11b 3/8" - 16" Flanged nut	SA-7000-3	1		

2. Install rear bolt nut only.



ULTRAA-K® with Chamber Up™ technology UTKNU 40K Slider Suspension



ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE						
1	SURELOK® RETROFIT KIT ¹ (Not shown)	SLK_XXX		Please contact Hendrickson for assistance						
<table border="1"> <thead> <tr> <th>SURELOK SERIES</th> <th>SUSPENSION MODEL</th> </tr> </thead> <tbody> <tr> <td>SLKAD</td> <td>Narrow pivot ULTRAA-K with Chamber Up technology and long beams</td> </tr> </tbody> </table>		SURELOK SERIES	SUSPENSION MODEL	SLKAD	Narrow pivot ULTRAA-K with Chamber Up technology and long beams					
SURELOK SERIES	SUSPENSION MODEL									
SLKAD	Narrow pivot ULTRAA-K with Chamber Up technology and long beams									
2	RIDE HEIGHT LOCK ASSEMBLY									
<table border="1"> <thead> <tr> <th>Slider Box Width</th> <th>48" Box</th> </tr> </thead> <tbody> <tr> <td colspan="2">AIR SPRING ACTUATED (SLKAA)</td> </tr> <tr> <td>16.0" ride height</td> <td>S-38382-1C</td> </tr> </tbody> </table>		Slider Box Width	48" Box	AIR SPRING ACTUATED (SLKAA)		16.0" ride height	S-38382-1C			
Slider Box Width	48" Box									
AIR SPRING ACTUATED (SLKAA)										
16.0" ride height	S-38382-1C									
3	AIR SPRING ACTUATOR ASSEMBLY	S-25593	1	Includes air spring actuator and 2 speed nuts						
4	SPRING	B-26597	1	1.50" × 6.63" × 0.177"						
5	SHAFT BRACKET	C-31767	2	2 per bracket						
6	MOUNTING HARDWARE FOR BRACKET	SA-6900-10	4	2 per bracket; 1/2"-13" flanged screw						
7	SPEED NUT (Not shown)	A-24482-1	2	Included in S-25593						
8	ACTUATOR BRACKET	C-31765	1							
9	ACTUATOR BRACKET HARDWARE ²									
	11a 3/8" - 16" Flanged screws	SA-6900-5	1							
	11b 3/8" - 16" Flanged nut	SA-7000-3	1							

2. Install rear bolt nut only.

VANTRAX® HKANT 23K / 40K / 46K / 69K23 and HKA180 Slider Suspensions

Illustration 1

Units shipped before **May 1999**

Obsolete

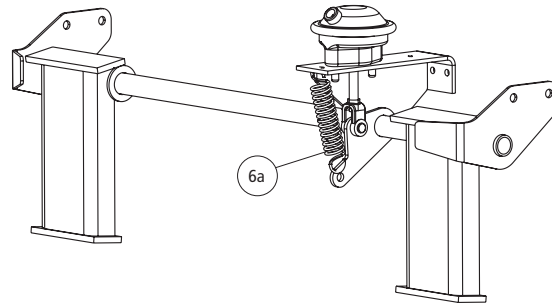


Illustration 2

Units shipped between **May 1999 and December 2001**

Obsolete

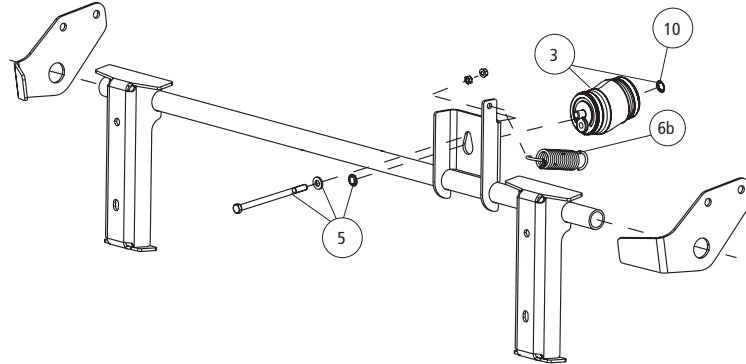


Illustration 3

Units shipped between **December 2001 and December 2015**

Obsolete

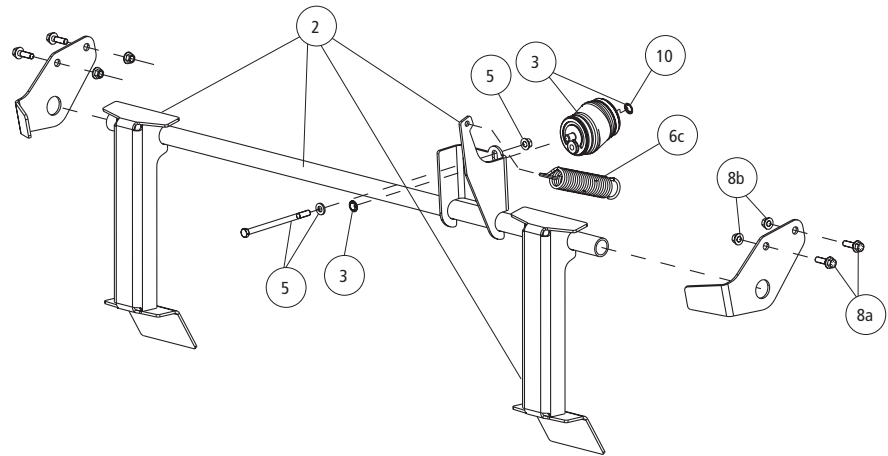
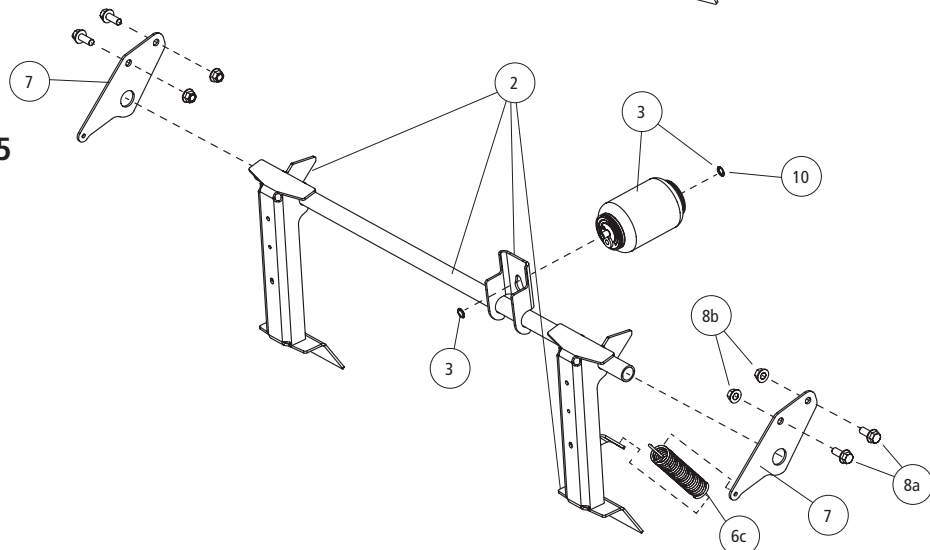


Illustration 4

Units shipped after **December 2015**





VANTRAAX® HKANT 23K / 40K / 46K / 69K23 and HKA180 Slider Suspensions (Continued)

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE																																										
1	SURELOK® RETROFIT KIT ¹ (Not shown)	SLK_XXX		Please contact Hendrickson for assistance																																										
	<table border="1"> <thead> <tr> <th>SURELOK SERIES</th> <th>SUSPENSION MODEL</th> </tr> </thead> <tbody> <tr> <td>SLKS</td> <td>Narrow pivot VANTRAAX with short beams</td> </tr> <tr> <td>SLKP</td> <td>Narrow pivot VANTRAAX with long beams</td> </tr> </tbody> </table>	SURELOK SERIES	SUSPENSION MODEL	SLKS	Narrow pivot VANTRAAX with short beams	SLKP	Narrow pivot VANTRAAX with long beams																																							
SURELOK SERIES	SUSPENSION MODEL																																													
SLKS	Narrow pivot VANTRAAX with short beams																																													
SLKP	Narrow pivot VANTRAAX with long beams																																													
2	RIDE HEIGHT LOCK ASSEMBLY																																													
	<table border="1"> <thead> <tr> <th rowspan="2">Slider Box Width</th> <th rowspan="2">42" Box</th> <th colspan="2">48" Box</th> <th rowspan="2">54" Box</th> </tr> <tr> <th>STANDARD</th> <th>GALVANIZED</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align:center">AIR SPRING ACTUATED (SLKS and SLKP)</td> </tr> <tr> <td>15.0" ride height</td> <td>S-36182-2</td> <td>S-36186-6</td> <td>–</td> <td>S-36186-15</td> </tr> <tr> <td>16.0" ride height</td> <td>S-36186-4</td> <td>S-36186-8</td> <td>S-36186-23</td> <td>S-36186-17</td> </tr> <tr> <td>16.5" ride height</td> <td>S-36186-13</td> <td>S-36186-14</td> <td>S-36186-24</td> <td>S-36186-18</td> </tr> <tr> <td>17.0" ride height</td> <td>S-36186-9</td> <td>S-36186-11</td> <td>S-36186-25</td> <td>S-36186-19</td> </tr> <tr> <td>18.0" ride height</td> <td>S-36186-9</td> <td>S-36186-11</td> <td>–</td> <td>S-36186-19</td> </tr> <tr> <td>19.0" ride height</td> <td>S-36186-10</td> <td>S-36186-12</td> <td>–</td> <td>S-36186-20</td> </tr> </tbody> </table>	Slider Box Width	42" Box	48" Box		54" Box	STANDARD	GALVANIZED	AIR SPRING ACTUATED (SLKS and SLKP)					15.0" ride height	S-36182-2	S-36186-6	–	S-36186-15	16.0" ride height	S-36186-4	S-36186-8	S-36186-23	S-36186-17	16.5" ride height	S-36186-13	S-36186-14	S-36186-24	S-36186-18	17.0" ride height	S-36186-9	S-36186-11	S-36186-25	S-36186-19	18.0" ride height	S-36186-9	S-36186-11	–	S-36186-19	19.0" ride height	S-36186-10	S-36186-12	–	S-36186-20			
Slider Box Width	42" Box			48" Box			54" Box																																							
		STANDARD	GALVANIZED																																											
AIR SPRING ACTUATED (SLKS and SLKP)																																														
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16.0" ride height	S-36186-4	S-36186-8	S-36186-23	S-36186-17																																										
16.5" ride height	S-36186-13	S-36186-14	S-36186-24	S-36186-18																																										
17.0" ride height	S-36186-9	S-36186-11	S-36186-25	S-36186-19																																										
18.0" ride height	S-36186-9	S-36186-11	–	S-36186-19																																										
19.0" ride height	S-36186-10	S-36186-12	–	S-36186-20																																										
3	AIR SPRING ACTUATOR ASSEMBLY	S-25593	1	Includes air spring actuator and 2 speed nuts																																										
4	BEAM EXTENSION WELDMENTS (Not shown)			SLKS models																																										
	Roadside	D-27653-1	1																																											
	Curbside	D-27653-2	1																																											
5	RESTRAINT BOLT KIT	S-25516	1	Includes 1 bolt, 1 nut and 1 washer																																										
6	SPRING																																													
	6a Units shipped before May 1999	S-21539	1	1.25" × 6.125" × 0.177"; Illustration 1																																										
	6b Units shipped between May 1999 and December 2001	S-24495	1	1.27" × 4.40" × 0.148"; Illustration 2																																										
	6c Units shipped after December 2001	B-26597	1	1.50" × 6.63" × 0.177"; Illustration 3 and 4																																										
7	SHAFT BRACKET	S-36137	1	Illustrations 2, 3 and 4 only																																										
8	MOUNTING HARDWARE FOR SHAFT BRACKET																																													
	8a 1/2" - 13" flanged screw	SA-6900-10	4	2 per bracket																																										
	8b 1/2" - 13" prev-torq. flanged nut	SA-7000-1	4	2 per bracket																																										
9	MOUNTING HARDWARE FOR BRAKE CHAMBER (Not shown)																																													
	9a 3/8" - 16" Flanged nut	SA-7000-3	1																																											
	9b 3/8" - 16" Flanged screw	SA-6900-5	1																																											
10	SPEED NUT	A-24482-1	2	Included in S-25593																																										



VANTRAAX® HKAT 46K Slider Suspension

Illustration 1

Units shipped before
April 1998

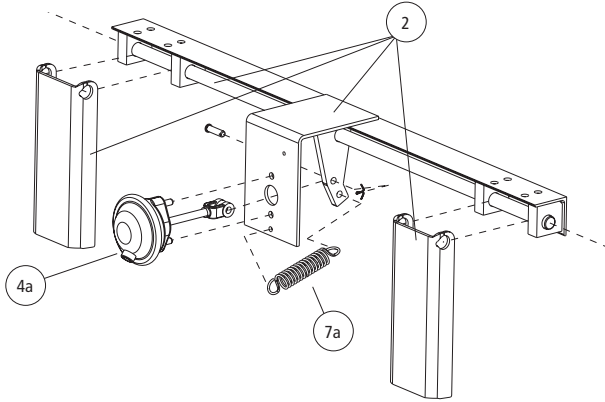


Illustration 2

Units shipped between
April 1998 and May 1999

Obsolete

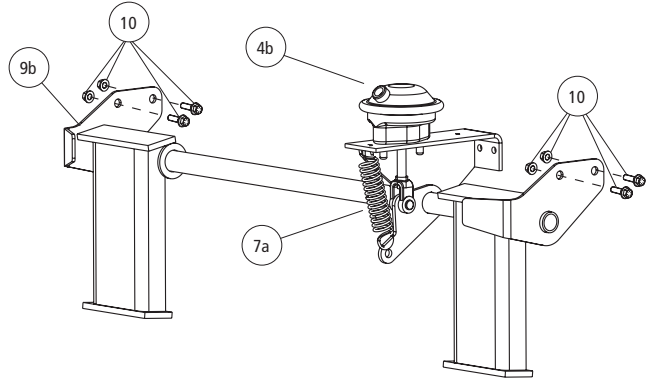


Illustration 3

Units shipped between
May 1999 and
December 2001

Obsolete

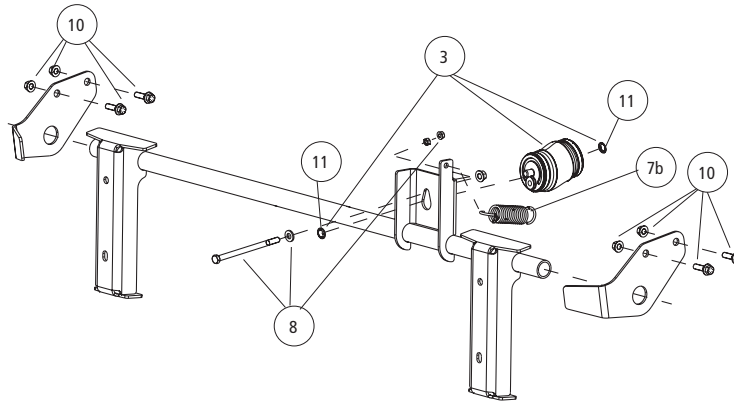


Illustration 4

Units shipped between
December 2001
and December 2015

Obsolete

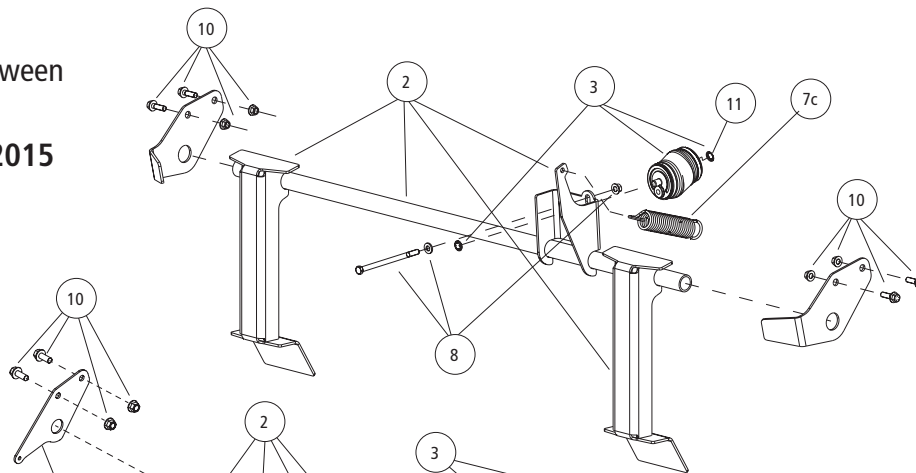
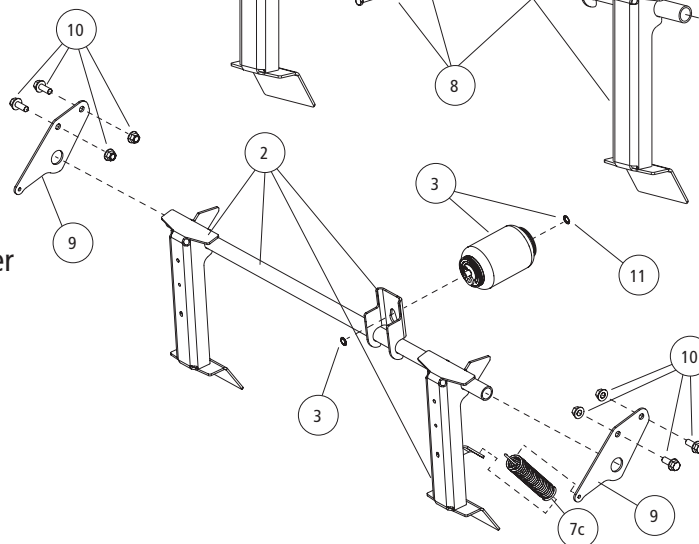


Illustration 5

Units shipped after
December 2015





VANTRAAX® HKAT 46K Slider Suspension (Continued)

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
1	SURELOK® RETROFIT KIT¹ (Not shown)	SLK_-XXX	1	Please contact Hendrickson for assistance

SURELOK SERIES	SUSPENSION MODEL	DATE PURCHASED
SLKF	Brake chamber actuated version	Wide HKA 200K models sold before May 1999
SLKO	Air spring actuated version	Current models
		Wide pivot VANTRAAX HKAT
		Wide HKA 200K models sold after July 1999

2 RIDE HEIGHT LOCK ASSEMBLY

Slider Box Width	42" Box	48" Box		54" Box
		STANDARD	GALVANIZED	
AIR SPRING ACTUATED (SLKO)				
14.0" ride height	S-36186-2	S-36186-6	–	S-36186-15
15.0" ride height	S-36186-4	S-36186-8	S-36186-22	S-36186-16
15.5" ride height	S-36186-3	S-36186-7	–	S-36186-16
16.0" ride height	S-36186-4	S-36186-8	S-36186-23	S-36186-17
16.5" ride height	S-36186-13	S-36186-14	S-36186-24	S-36186-18
17.0" ride height	S-36186-9	S-36186-11	S-36186-25	S-36186-19
18.0" ride height	S-36186-9	S-36186-11	–	S-36186-19
19.0" ride height	S-36186-10	S-36186-12	–	S-36186-20
BRAKE CHAMBER ACTUATED (SLKF)				
13.5" ride height	S-22487-1	S-22487-5	–	–
14.0" ride height	S-22487-2	S-22487-6	–	–
14.5" ride height	S-22487-3	S-22487-7	–	–
15.0" ride height	S-22487-4	S-22487-8	–	–
16.0" ride height	S-22487-9	S-22487-13	–	–
16.5" ride height	S-22487-17	S-22487-18	–	–
17.0" ride height	S-22487-10	S-22487-14	–	–
18.0" ride height	S-22487-11	S-22487-15	–	–
19.0" ride height	S-22487-12	S-22487-16	–	–

3	AIR SPRING ACTUATOR ASSEMBLY	S-25593	1	SLKO model; Includes air spring, actuator and 2 speed nuts
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4 BRAKE CHAMBERS

4a	Type 9 (SLKF)	A-21452	1	
4b	Type 12 (SLKF)	S-23169		

5	BEAM EXTENSIONS (Not shown)			SLKO, SLKF models; Includes beam extension and bolt kits
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5a	Roadside	S-33016-1	1	
5b	Curbside	S-33016-2	1	

6	BEAM EXTENSION BOLT KIT (Not shown)	S-25980		Includes SA-6900-16 and SA-7000-6
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7 TENSION SPRINGS

7a	1.25" × 6.13" × 0.177"	S-21539	1	SLKF model, illustration 1 and 2
7b	1.27" × 4.40" × 0.148"	S-24495	1	SKLO model, illustration 3
7c	1.5" × 6.63" × 0.177"	B-26597	1	SKLO model, illustration 4 and 5

8	RESTRAINT BOLT KIT	S-25516	1	SKLO model, illustration 4 and 5
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9	SHAFT BRACKET	S-36137	2	SLKO models; Includes 1 bolt, 1 nut and 1 washer
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10 MOUNTING HARDWARE FOR SHAFT BRACKETS

	1/2" - 13" flanged screw	SA-6900-10	4	2 per bracket
	1/2" - 13" prevailing torque flanged nut	SA-7000-1	4	2 per bracket
	7/16" hex head bolt	SA-1100-30	1	
	Washer	SA-1500-35	1	

11	SPEED NUT	A-24482-1	2	Included in S-25593
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12 BRAKE CHAMBER MOUNTING HARDWARE (Not shown)

12a	3/8-16" flanged screw	SA-6900-5	1	
12b	3/8-16" prev-torq. flanged nut	SA-7000-3	1	



HK™ SERIES HK190 / 230 Slider Suspensions

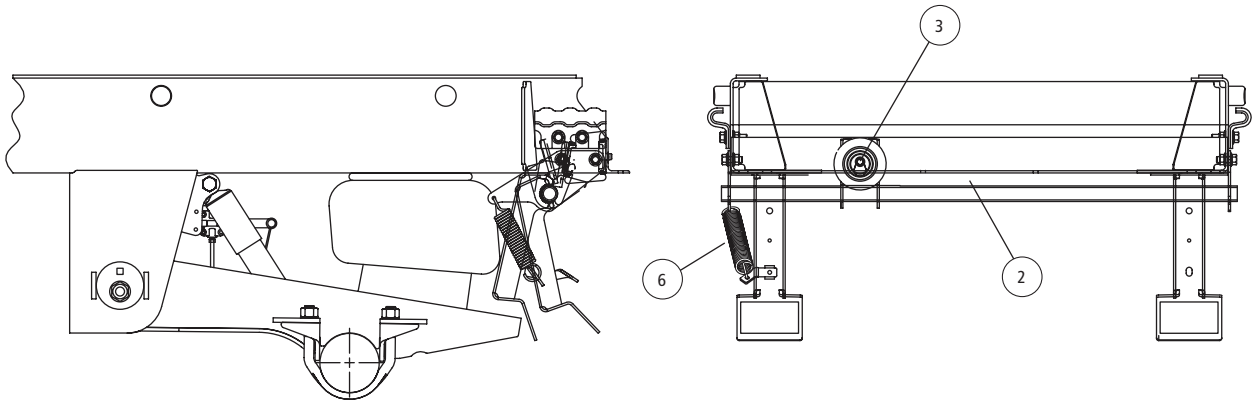


Illustration 4

Units shipped between
December 2001
and December 2015
Obsolete

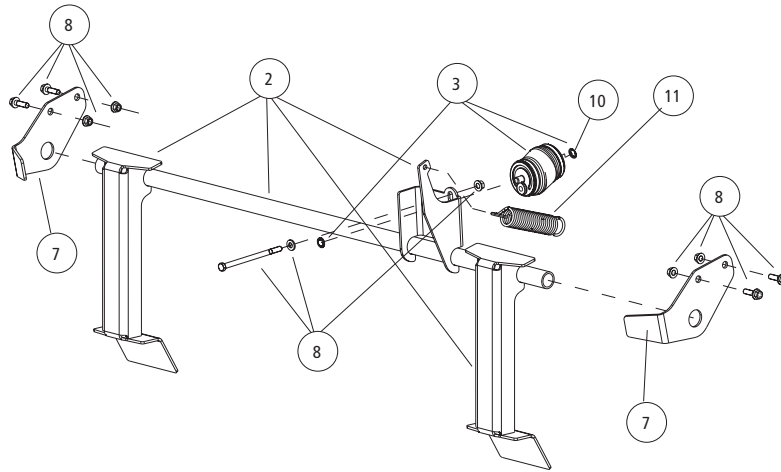
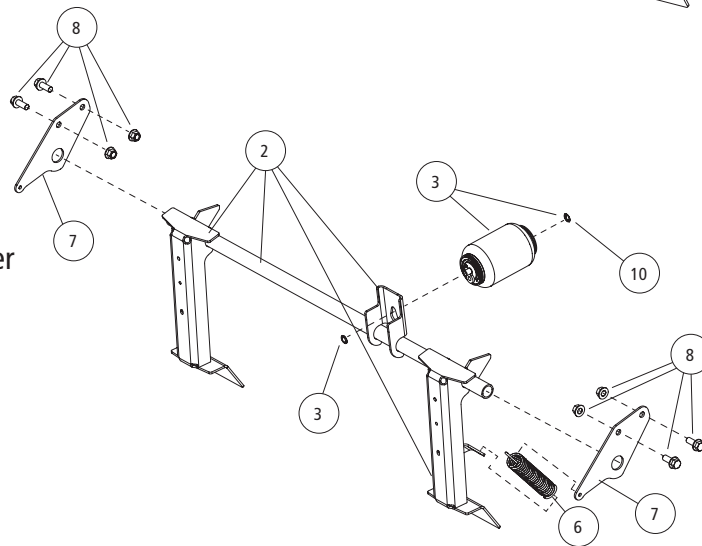


Illustration 5

Units shipped after
December 2015





HK™ SERIES HK190 / 230 Slider Suspensions (Continued)

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE
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1 SURELOK® RETROFIT KIT¹ (Not shown) SLK_-XXX 1 Please contact Hendrickson for assistance

SURELOK SERIES	SUSPENSION MODEL	DATE PURCHASED
SLKN	Long Beams	Sliders made after December 1997
SLKC		Sliders made before December 1997
SLKR	Short Beams	Sliders made after December 1997
SLKM		Sliders made before December 1997

2 RIDE HEIGHT LOCK ASSEMBLY

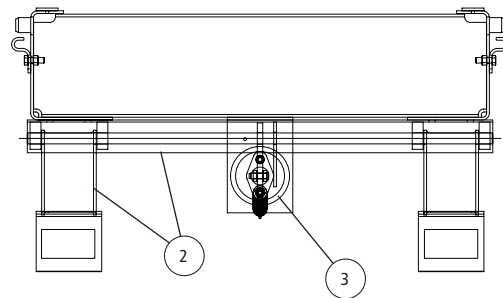
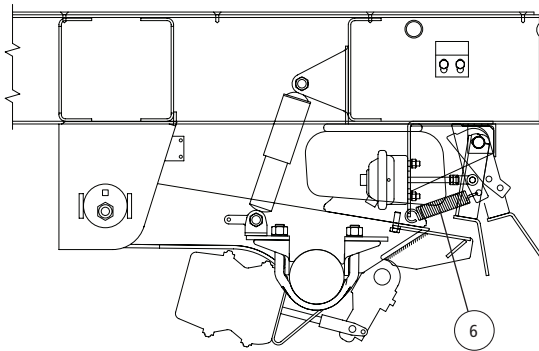
Slider Box Width	42" Box	48" Box
AIR SPRING ACTUATED (SLKR and SLKN)		
16.0" ride height	S-36187-1	S-36187-6
16.5" ride height	S-36187-2	S-36187-7
17.0" ride height	S-36187-3	S-36187-8
18.0" ride height	S-36187-4	S-36187-9
19.0" ride height	S-36187-5	S-36187-10
BRAKE CHAMBER ACTUATED (SLKC and SLKM)		
16.0" ride height	S-21766-1	S-21766-5
17.0" ride height	S-21766-2	S-21766-6
18.0" ride height	S-21766-3	S-21766-7
19.0" ride height	S-21766-4	S-21766-8

3	AIR SPRING ACTUATOR ASSEMBLY	S-25593	1	SLKN and SLKR models; Includes air spring actuator and 2 speed nuts
4	BRAKE CHAMBER (Not shown)	A-21452	1	SLKC and SLKM models; Type 9 chamber
5	BEAM EXTENSION WELDMENT (Not shown)			
	SLKR models	C-21442	2	
	SLKM models	C-26363	2	
6	SPRING			
	1.25" × 6.125" × .177" (Not shown)	S-21539	1	SLKC and SLKM models
	1.50" × 6.63" × .177"	B-26597	1	SLKR and SLKN models
7	SHAFT BRACKET	S-36137	2	
8	MOUNTING HARDWARE FOR SHAFT BRACKET			2 per bracket
	1/2" - 13" flanged screw	SA-6900-10	4	
	1/2" - 13" prev-torq HEX FLG Nut	SA-7000-1	4	
9	MOUNTING HARDWARE FOR BRAKE CHAMBER (Not shown)			
	3/8" - 16" flanged screw	SA-6900-5	4	SLKC and SLKM models
	3/8" - 16" prev-torq HEX FLG Nut	SA-7000-3	4	
10	SPEED NUT	A-24482-1	2	SLKN and SLKR models



HT™ SERIES HT190 / 230 Top-mount Suspensions

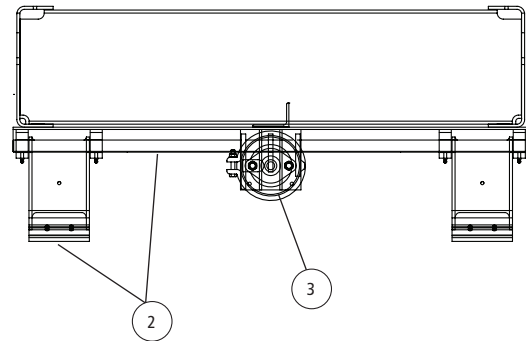
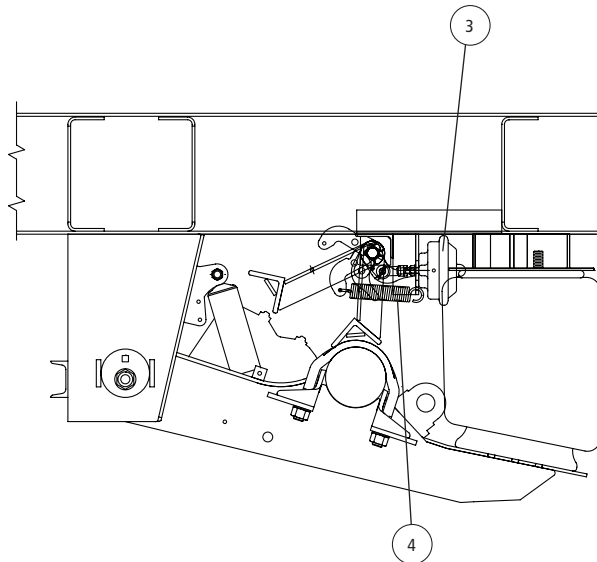
ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTE																																	
1	SURELOK® RETROFIT KIT ¹ (Not shown)	SLKU_-XXX	1	Please contact Hendrickson for assistance																																	
<table border="1"> <thead> <tr> <th>SURELOK SERIES</th> <th colspan="2">SUSPENSION MODEL</th> </tr> </thead> <tbody> <tr> <td>SLKL</td> <td>Long Beams</td> <td rowspan="2">High Control</td> </tr> <tr> <td>SLKQ</td> <td>Short Beams</td> </tr> <tr> <td>SLKK</td> <td>Long Beams</td> <td rowspan="2">Standard</td> </tr> <tr> <td>SLKA</td> <td>Short Beams</td> </tr> </tbody> </table>					SURELOK SERIES	SUSPENSION MODEL		SLKL	Long Beams	High Control	SLKQ	Short Beams	SLKK	Long Beams	Standard	SLKA	Short Beams																				
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3	BRAKE CHAMBER	A-21452	1	Type 9 chamber																																	
4	BEAM EXTENSION WELDMENT (Not shown)	C-26363	2	SLKA and SLKQ models																																	
5	BEAM EXTENSION SCREW (Not shown)	SA-6900-8	2																																		
6	SPRING	S-21539	1	1.25" x 6.125" x 0.177"																																	





HT™ SERIES HT250US Underslung Suspensions

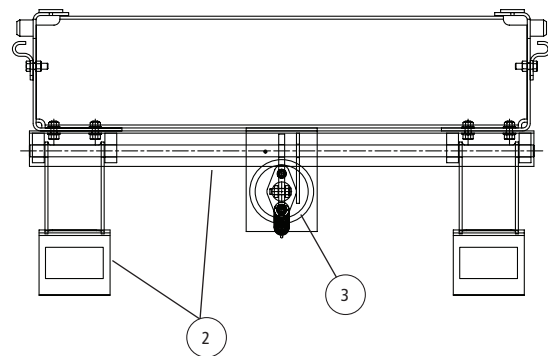
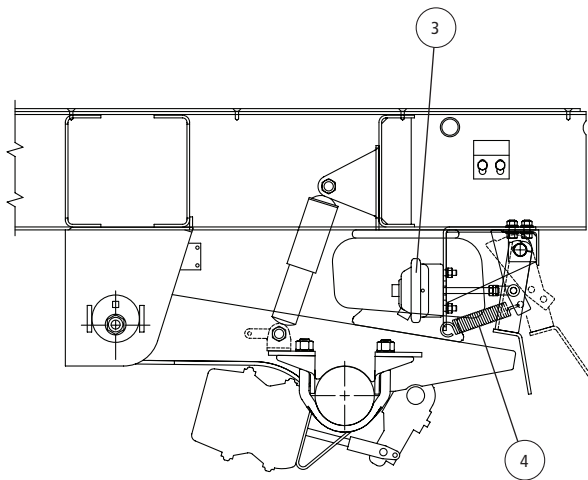
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14.0" ride height	D-27888-2	D-27888-4														
3	BRAKE CHAMBER	S-23169	1	Type 12 chamber												
4	SPRING	S-21539	1	1.25" × 6.125" × 0.177"												
5	GREASE FITTING (Not shown)	S-22830	4													





HS SERIES HS190 / 230 Slider Suspensions

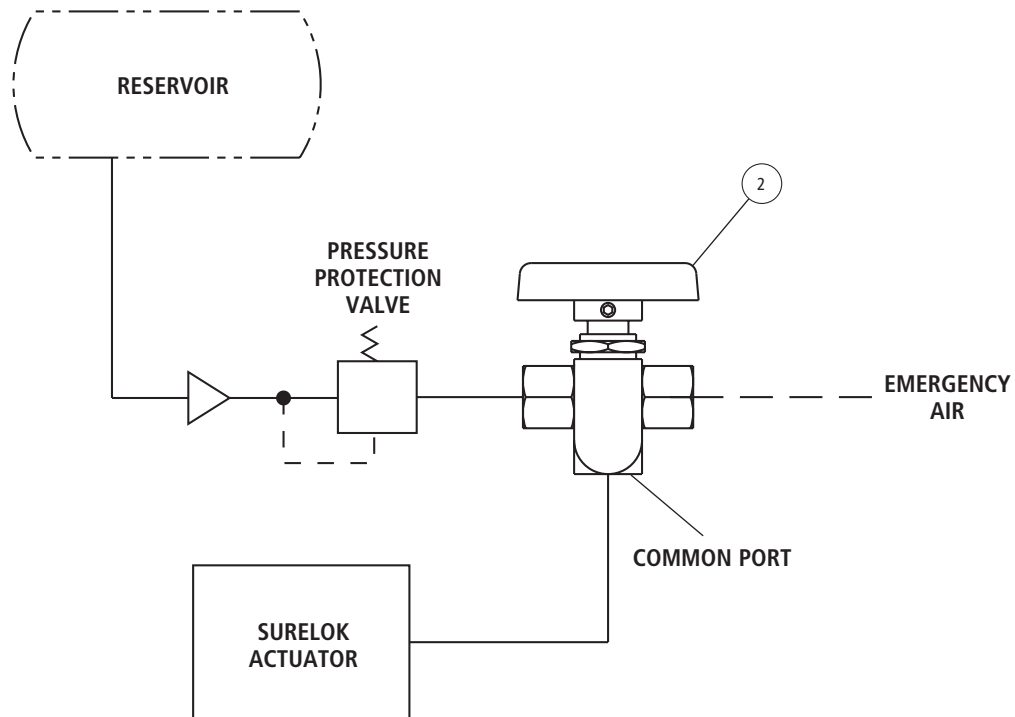
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3	BRAKE CHAMBER	A-21452	1	Type 9 chamber																		
4	SPRING	S-21539	1	1.25" × 6.125" × 0.177"																		
5	MOUNTING HARDWARE (Not shown)																					
	1/2" - 13" flanged screw HTES-1057	SA-6900-8	2	SLKA models																		
	1/2" - 13" × 100 lg. flanged bolt	SA-6900-6	8	SLKB models																		
	1/2" - 13" prevailing torque flanged nut	SA-7000-1	8	SLKB models																		
6	BEAM EXTENSION	C-26363	2	SLKA models																		

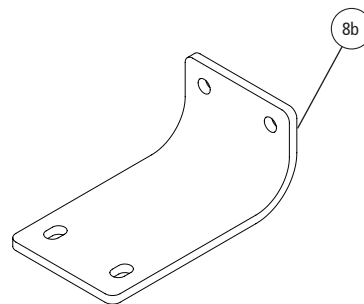
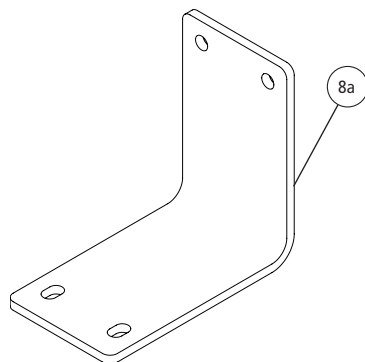
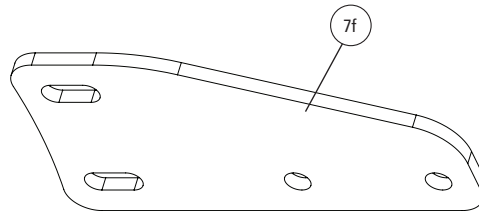
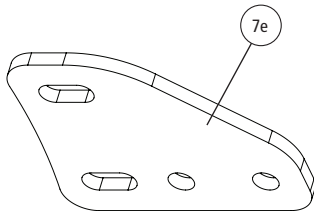
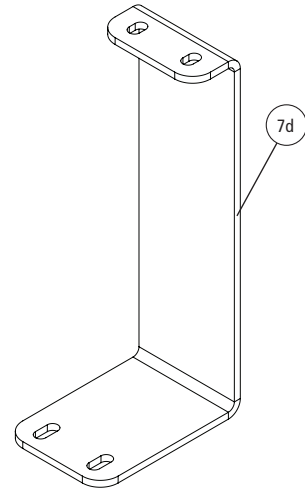
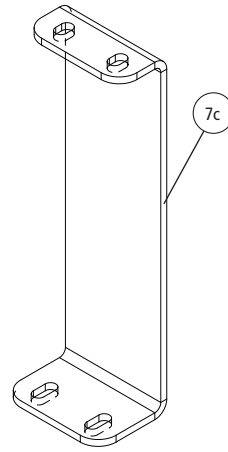
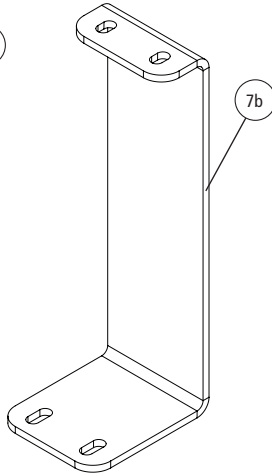
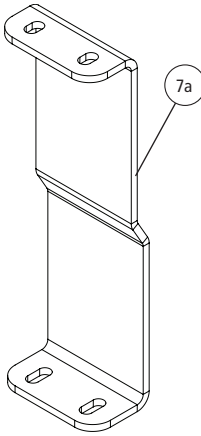
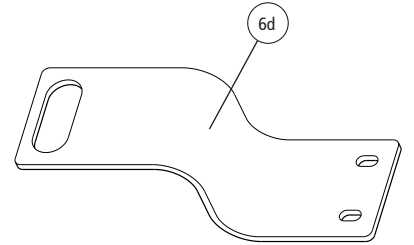
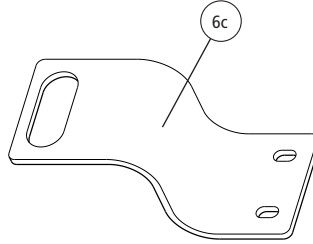
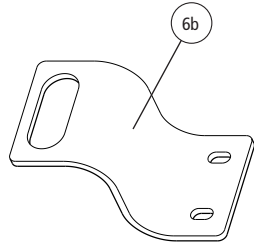
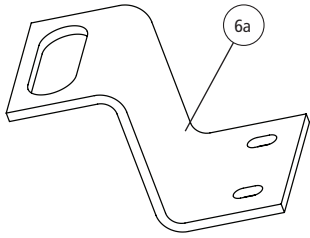
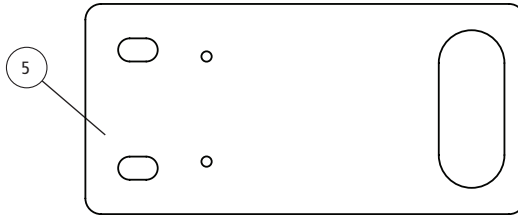




SURELOK® AIR CONTROL KITS

ITEM	DESCRIPTION	PART NO.	SYSTEM	QTY.
<i>Manual Bypass – allows you to completely bypass SURELOK®, meaning the legs are disengaged and not functioning.</i>				
1	3-WAY BALL VALVE (Not shown)	VS-22535		1
<i>Manual Bypass with Dump – allows you to completely bypass SURELOK and fully exhaust the trailer's air suspension.</i>				
2	3-WAY BALL VALVE	VS-22535		1
3	3-WAY AIR PILOTED VALVE (Not shown)	VS-23588		1
4	2-WAY CHECK VALVE (Not shown)	VS-24988		1
<i>Specialized Auto Dump – AKSL0001 – Allows SURELOK to engage, then exhausts the trailer's air suspension to rest the SURELOK legs on the suspension beams.</i>				
5	3-WAY PILOT VALVE (Not shown)	VS-24053		1
6	CHOKE (Not shown)	A-27314-1		1 1/8" NPT
<i>Manual Bypass with Specialized Auto Dump – Allows you to completely bypass SURELOK, OR allows SURELOK to engage, then exhausts the trailer's air suspension to rest the SURELOK legs on the suspension beams.</i>				
7	3-WAY BALL VALVE (Not shown)	VS-22535		1







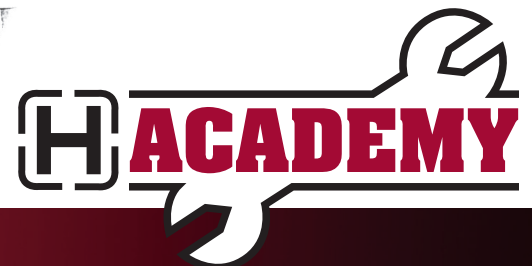
SLIDER ACCESSORIES

ITEM	DESCRIPTION	PART NO.	SYSTEM QTY.	NOTES
1	MANUAL STOP BAR			
	42" box with 1.375" diameter pins	S-14231-2	1	For 6" center-to-center hole spacing
	48" box with 1.375" diameter pins	S-14231-8	1	For 6" center-to-center hole spacing
	54" box with 1.375" diameter pins	S-14231-4	1	For 6" center-to-center hole spacing
	42" box with 1.625" diameter pins	S-21477-2	1	For 4" center-to-center hole spacing
	48" box with 1.625" diameter pins	S-21477-8	1	For 4" center-to-center hole spacing
	54" box with 1.625" diameter pins	S-21477-4	1	For 4" center-to-center hole spacing
2	STINGER	S-24008-3	1	32" length; (VANTRAAX® & ULTRAA-K®); Includes stinger, air-line bracket, screws and nuts
		S-24008-4	1	36" length; (VANTRAAX® & ULTRAA-K®); Includes stinger, air-line bracket, screws and nuts
		S-27028-1	1	24" length; (INTRAAX® SP); Includes stinger, air-line bracket, screws and nuts
3	MUD FLAP BRACKET			Includes (1) bracket, bolts and lock-nut
	42" box	S-22428-2	1	
	48" and 54" box	S-22428-8	1	
4	SLIDER WEAR PADS			
	HS Slider (per side)	S-14342-1	2	Includes (1) slider wear pad, (8) nuts and (8) screws
	K-2® Sliders (per side)	S-14342-3	2	Includes (1) slider wear pad, (8) nuts and (8) screws
	Tridem 60 (per side)	S-29204-60	2	Includes (3) slider wear pads, (12) nuts and (12) screws
	Tridem 72 (per side)	S-29204-72	2	Includes (3) slider wear pads, (12) nuts and (12) screws
5	VANTRAAX® Weld-on Flat Air Tank Bracket			
	48" and 54" box	C-26921	2	Includes (1) bracket
6	VANTRAAX® Weld-on "Z" Air Tank Bracket			Includes (1) bracket
	6a 42" box	B-27131	2	HKAT 50K and HTHKA models only
	6b 42" box	D-35754-1	2	
	6c 48" box	D-35754-2	2	
	6d 54" box	D-35754-3	2	
7	INTRAAX® SP AIR TANK BRACKET KIT			
	7a 37" & 38" I-Beam Centers	S-27011-1	1	AAZNT Models with large air tank only; Includes 2 brackets, 4 screws and 4 nuts
	7b 43" & 44" I-Beam Centers	S-27011-2	1	AAZNT Models with large air tank only; Includes 2 brackets, 4 screws and 4 nuts
	7c 37" & 38" I-Beam Centers	S-27011-3	1	AAZNT Models with small air tank only; Includes 2 brackets, 4 screws and 4 nuts
	7d 43" & 44" I-Beam Centers	S-27011-4	1	AAZNT Models with small air tank only; Includes 2 brackets, 4 screws and 4 nuts
	7e 37" & 38" I-Beam Centers	S-27742-1	1	AAZL models with large or small air tank; Includes 2 brackets, 4 screws and 4 nuts
	7f 43" & 44" I-Beam Centers	S-27742-2	1	AAZL models with large or small air tank; Includes 2 brackets, 4 screws and 4 nuts
8	ULTRAA-K® AIR TANK BRACKET KIT			
	8a Standard	S-34883/2	2	Includes (1) bracket, (2) screws and (2) nuts
	8b Optional	S-34884/2	2	Includes (1) bracket, (2) screws and (2) nuts



AXLE COMPONENTS

ITEM	DESCRIPTION	PART NO.	QTY. PER AXLE	NOTES
1	AXLE NUT KIT			
	HN Spindle	S-20492/2	2	Includes inner axle nut, outer axle nut, lock washer and set screw
	HP Spindle	S-20475/2	2	Includes inner axle nut, outer axle nut, lock washer and set screw
	STEMCO PRO-TORQ (HN)	A-23851	2	1-piece spindle nut
	STEMCO PRO-TORQ (HP)	A-23852	2	1-piece spindle nut
	PRECISION320®	S-29286/2	2	Includes button head cap screws, interlock washer, spindle nut
	PRECISION240®	S-33332/2	2	Includes button head cap screws, interlock washer, spindle nut
2	AXLE FILTER KIT			
	HN Spindle	S-24963	1	Includes (2) end plugs and (2) filters
	HP and P90 Spindles	S-24960	1	Includes (2) end plugs and (2) filters
3	ABS WELD-ON BRACKET KIT			HN, HP and HUS spindles
	5" Axle	S-27117	2	
	LDA™ (5.75") Axle	S-28757	2	



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It starts by providing OEMs advanced engineering services to assist in the design, development and testing of equipment specific to their applications.

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Hendrickson Trailer Commercial Vehicle Systems

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 All applications must comply with applicable Hendrickson
 specifications and must be approved by the respective vehicle
 manufacturer with the vehicle in its original, as-built
 configuration.

Contact Hendrickson for additional details regarding
 specifications, applications, capacities, and operation, service
 and maintenance instructions.

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