

Vendor:

Hendrickson Aux Axle

Vendor Information

Hendrickson is a leading global manufacturer and supplier of heavy duty mechanical, elastomeric and air suspensions; integrated and non-integrated axel systems; and parabolic and multi-leaf springs to the global commercial transportation market. Hendrickson offers the widest variety of auxiliary lift axles on the market to meet the requirements of any application.

Customer Service & Technical Support

Hino Parts Support Phone: 866-372-4466
Hino Parts Support Email: helpdesk@hino.com
Hino Parts Support Fax: 662-342-3939
Hendrickson Aux Axle Customer Service Phone: 740-929-5600
Hendrickson Aux Axle Tech Service: 740-929-5644
Hendrickson Aux Axle Unit Down Phone: 740-929-5682
Hendrickson Aux Axle Email: liftaxle@hendrickson-intl.com
Hendrickson Aux Axle Web: <http://www.hendrickson-intl.com/>
Hendrickson Aux Axle Fax: 740-929-5601

Order Procedures:

All orders are to be placed through the Hino Dealer Connect System (DCS). For special orders or for customer support contact Vendor directly via phone number.

Stock Orders Enter orders in DCS Screen DC202 under Sales Type "S". All direct ship items will be shipped from a local Vendor PDC.

Emergency Orders Emergency orders may be entered into DCS screen DC202 as a Sales Type "E" or "V". All emergency orders will be processed with a "rush" order. Freight and Handling fees will be identified on the Hino invoice. Emergency orders will have a lead -time of 24 -48 hours depending on product type.

Minimum Order Quantity There are no minimum order requirements on orders.

Direct Ship Freight Policy:

For all non-axle orders & orders less than 10 axles, shipments within the Continental United States are freight prepaid and added to the invoice. All orders are shipped from 277 N. High Street, Hebron, OH 43025 unless otherwise specified. All orders will be shipped via the most efficient method unless otherwise noted by customer.

Free Freight Policy (Direct Ship):

All direct shipped orders to one location of 10+ axles will include freight prepaid by Hendrickson from Hebron, OH location.

Order Fulfillment Policy:

Lift axle standard leadtime is 2-3 weeks but varies depending on business conditions. Orders for replacement parts that are in-stock have a standard 2-3 day leadtime unless noted critical which if placed before 2:00 PM EST will ship next-day. All lead-times are subject to material availability and may change at any time. Hendrickson has a commitment to provide all parts when requested and focuses strongly for on-time delivery.

Part Number Pricing:

Hendrickson Aux Axle pricing is available on-line in the Hino DCS system.

Format:

Standard Part numbers are directly carried over; no prefix or suffix.

Mega Fleet:

All-Makes parts are not included in the Hino Mega Fleet pricing file but should be sold to Mega Fleet customers and filed as Miscellaneous Items in Corcentric when submitting for reimbursement.

Warranty:

Please view Vendor warranty documents as warranty varies based on item. For detailed information visit the Hendrickson website http://www.hendrickson-intl.com/pdfs/Auxiliary_PDFs/H624_B.pdf and review document H624. Please view Vendor warranty documents as warranty varies based on item. Contact vendor directly for a RGA approval number. Warranty covers manufacturers defects only and does not cover damage (installation or progressive). If the vendor provides a RGA number, contact Hino Trucks warranty department. Warranty claims are to be sent back through Hino Trucks corporate.

Returns:

Contact vendor directly to obtain a Return Goods Authorization code by phone number or email address listed above. All returned items MUST have prior approval and the Return Goods Authorization (RGA) marked on the outside of the box. RGAs have an expiration date of sixty (60) days; after sixty (60) days the return will become null and void. All returns are subject to a 25% or greater restocking fee. Will not authorize any returns that are not properly packaged or in the original packaging. No credit will be issued for product that has been damaged, altered, or installed on equipment. The customer is responsible for all freight charges on the returned merchandise. Special order items or non stock items are not returnable.

Shipping Inspection and Damaged Product:

All merchandise should be inspected upon arrival and carrier damage claims should be filed with the carrier immediately. Contact the Hino PDC for any damaged product or shipping issues. For excess stock returns, contact the Vendor directly.

Vendor Cross Reference Web Site:

<http://www.hendrickson-intl.com/products/auxaxle.asp>

Conclusion:

Hendrickson is the premium suspension leader both in quality and innovation and can be found worldwide on a variety of truck brands and applications. Selling and installing only genuine parts allows you to make sure your customer expectations are exceeded. Hendrickson genuine parts come with the technical expertise to help you get the most out of each service job. Service instructions, part lists, and technical help can all be accessed either by calling Hendrickson direct, or reviewing the literature section on the website, www.hendrickson-intl.com. Grow your business by partnering with an industry leader today!

COMPOSITE™ RO Specifications

COMPOSITE RO 13K		COMPOSITE RO 20K	
Steerable	Fixed Axle	Steerable	
Capacity	13,500 pounds	13,500 pounds	20,000 pounds
Weight	905 pounds	905 pounds	1,375 pounds
Trovel	13 inches	13 inches	12 inches
Lift	10 inches	10 inches	9 inches
Package Spoce	23.5 inches	23.5 inches	28 inches
Wheel Cut	31 degrees	N/A	25 degrees

For further information and application specifications,

call 1-800-660-2828 in the United States or 1-800-668-5360 in Canada.

Other COMPOSITE™ Models

Hendrickson provides the right lift axle for your needs. With a full array of steerable and fixed axle systems for your truck and trailer applications, you can count on Hendrickson.



COMPOSITE ST



COMPOSITE FX



COMPOSITE FBC

HENDRICKSON Genuine Parts

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 — Hendrickson.

www.hendrickson-intl.com



Auxiliary Axle Systems
277 Main High Street
Hibernia, OH 43025 USA
740 323 5500
Fax 740 323 5501

Auxiliary Axle Systems
250 Chrysler Drive, Unit K3
Brampton, ON L6S 8B8 Canada
905 764 1000
Fax 905 764 1033

10/18 10-028

Information provided is for reference only. Product design may vary from what is depicted. See the original source for the complete and correct information.
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Printed in United States of America

COMPOSITE™ RO For Roll-off Applications

Winning reputation
Optimum performance
Rugged reliability
Leading innovation
Proven durability



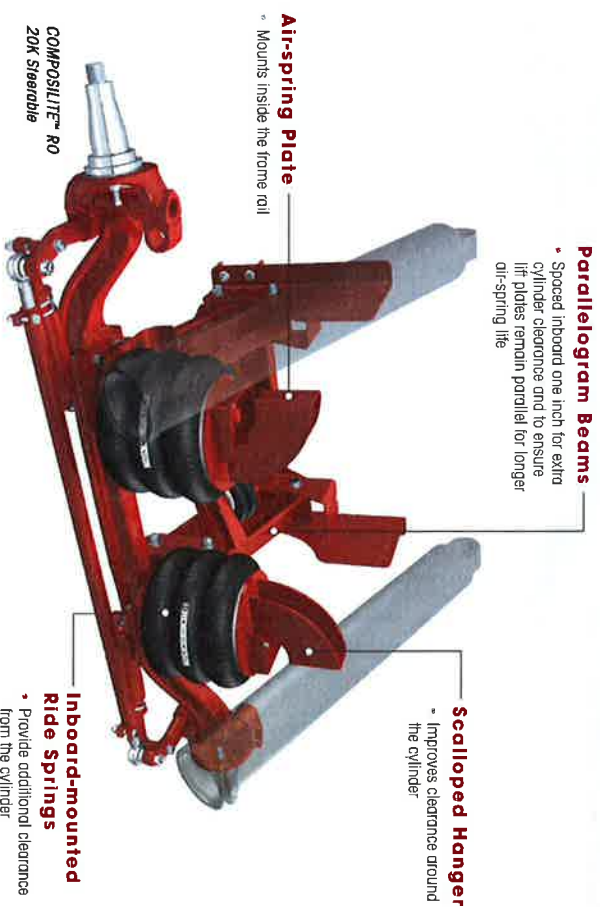
The World Rides On Us™

COMPOSITE™ R0 — a family of lift axles specifically for Class 8 roll-off vehicles

Hendrickson introduces the COMPOSITE™ R0 for roll-off applications. The popular COMPOSITE family has grown and is now available in 13,500 to 20,000 pound capacities. The R0 Series fits flat to the frame to give maximum clearance from cylinder beams, attachments and sliding components. Scalloped hangers aid in the clearance around roll-off cylinders.

The ride springs and parallelogram components are positioned inside of the frame rails. Beams are spaced inboard one-inch for additional clearance, and unique air-spring plates mount to the inside of the frame rail.

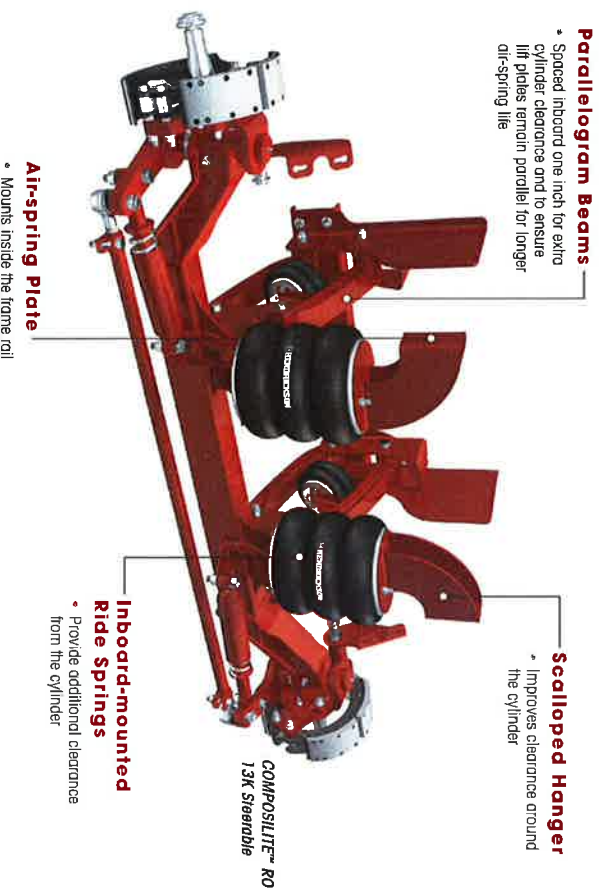
All of the R0 models shown are adjustable, and allow for most variable truck frame widths and ride heights.



COMPOSITE R0 20K Steerable Specifications	
Capacity:	20,000 pounds
Weight:	1,375 pounds
Towel:	12 inches
Lift:	9 inches
Package Space:	28 inches
Wheel Cut:	25 degrees

COMPOSITE R0 Steerable Turning Radius

13K = 31 degrees
20K = 25 degrees



COMPOSITE R0 13K Specifications	
Capacity:	13,500 pounds
Weight:	905 pounds
Towel:	13 inches
Lift:	10 inches
Package Space:	23.5 inches
Wheel Cut (Steerable):	31 degrees

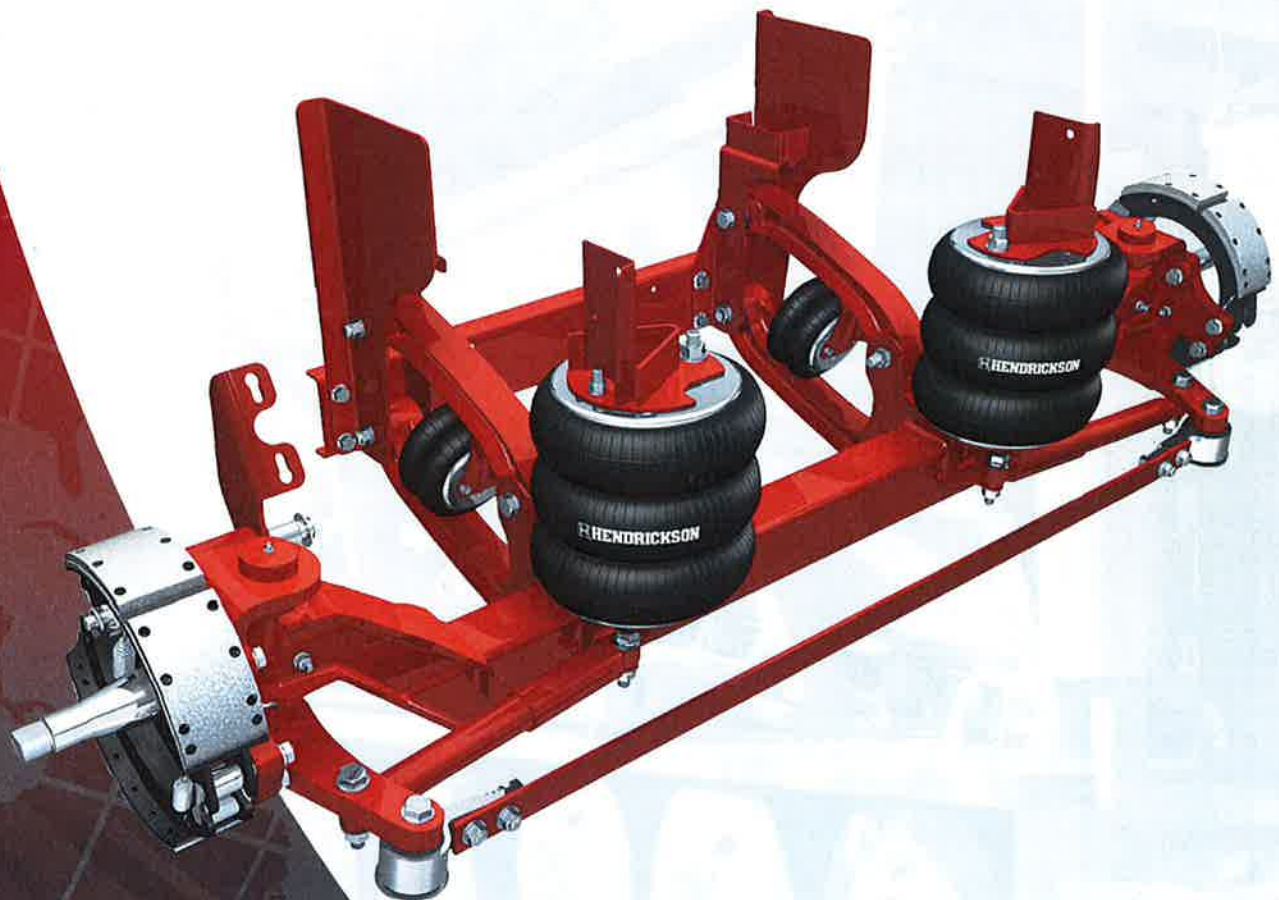


H COMPOSILITE™ SC

Family of Steerable Lift Axles



Winning Reputation
Optimum Performance
Reliability
Leading Innovation
Durability



H HENDRICKSON
The World Rides On Us™

COMPOSILITE™ SC

Hendrickson introduces the COMPOSILITE™ SC family of lift axles for steerable applications. The "Steerable Compliant" series of lift axles delivers all the advantages haulers have come to expect with Hendrickson products: reliability, cost-effectiveness and innovation. The COMPOSILITE family offers a full range of capacities from 10,000 to 20,000 pounds.

The SCT13, our most popular capacity offering, is rated at 13,500 pounds and now offers a reduced system weight up to 69 pounds per axle and a minimized package space of 22.1 inches. Hendrickson has taken tie rod technology one step further by introducing the patent pending Compliant Tie Rod (CTR) with PerfectTrak™ technology...the first compliant tie rod assembly and dampening system. This technology was designed to help lower maintenance costs and increase uptime by providing a resilient, impact resistant tie rod assembly.

Optimized Package Design

- 22.1-inch package space
- Shorter trailing arms
- Shorter side rail

Adjustable Ride Height

- Accommodates a 4-inch ride height range

Adjustable Frame Width Feature

- Allows stocking of one suspension to meet frame width requirements of 33.5 to 34.5 inches

Integrated Knuckle

- Manufactured by Hendrickson
- Adaptable for custom requests
- Lighter weight

CTR with PerfectTrak™ Technology

- Delivers industry's first passive steer Ackerman
- Reliable wheel-end centering
- Effectively resists permanent deformation
- Easy toe adjustment
- Lubrication-free connection

Optimized Linear Damper

- Coil spring eliminated to improve damper life

COMPOSILITE™ SCT13 Specifications

Capacity:	Up to 13,500 pounds
Weight:	796 pounds
Travel:	13 inches
Lift:	10 inches
Wheel Cut:	31 degrees
Packaging Space:	22.1 inches

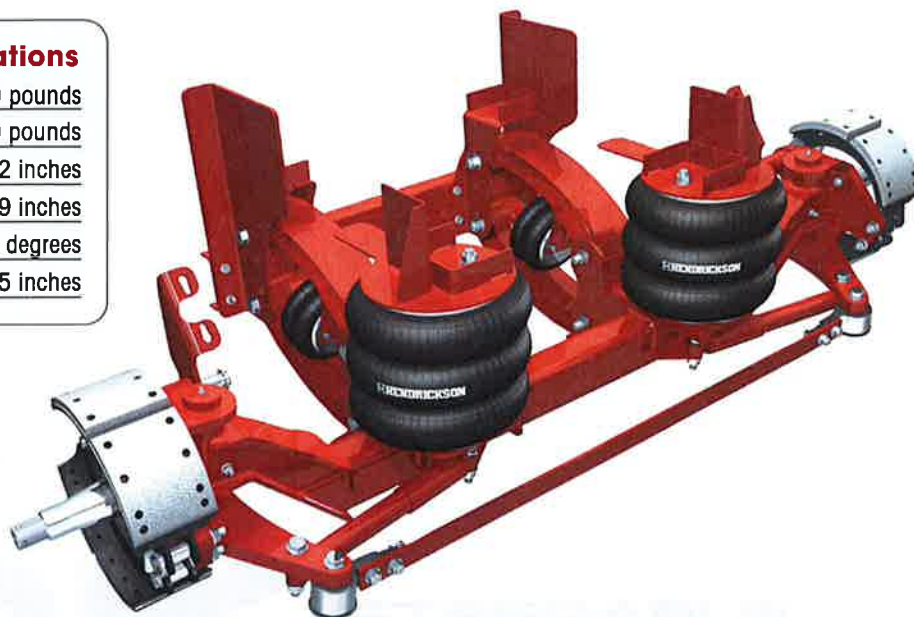
COMPOSILITE™ SC Steerable Turning Angle



Hendrickson's Family of

COMPOSILITE™ SCT20 Specifications

Capacity:	Up to 20,000 pounds
Weight:	1,340 pounds
Travel:	12 inches
Lift:	9 inches
Wheel Cut:	25 degrees
Packaging Space:	26.5 inches



SCT10 and SCT20 Features

- Optimized package design
- Adjustable frame width and ride height feature
- Integrated knuckle
- 24 pound weight savings on SCT10 and 35 pound weight savings on SCT20 compared to prior models
- CTR with PerfectTrak™ technology



COMPOSILITE™ SCT10 Specifications

Capacity:	Up to 10,000 pounds
Weight:	675 pounds
Travel:	13 inches
Lift:	10 inches
Wheel Cut:	31 degrees
Packaging Space:	22.1 inches



Steerable Lift Axles

SC013



SC020



COMPOSILITE™ SCO Roll-Off Specifications

	SC013	SC020
Capacity:	Up to 13,500 pounds	Up to 20,000 pounds
Weight:	851 pounds	1,357 pounds
Travel:	13 inches	12 inches
Lift:	10 inches	9 inches
Wheel Cut:	31 degrees	25 degrees
Packaging Space:	22.1 inches	26.5 inches

SCO Features

- Scalloped hangers improve clearance around the cylinder
- Inboard-mounted ride springs provide additional clearance from the cylinder
- Air-spring plate mounts inside the frame rail
- Adjustable frame width and ride height feature
- Integrated knuckle
- CTR with PerfectTrak™ technology

SCR13



Reverse Steer

COMPOSILITE™ SCR13 Specifications

Capacity:	Up to 13,500 pounds
Weight:	1,029 pounds
Travel:	13.5 inches
Lift:	7 inches
Wheel Cut:	27 degrees
Packaging Space:	28.4 inches

SCH10



High-Lift Steer

COMPOSILITE™ SCH10 Specifications

Capacity:	Up to 10,000 pounds
Weight:	1,133 pounds
Travel:	Up to 24 inches
Lift:	Up to 20 inches
Wheel Cut:	27 degrees
Packaging Space:	54 inches

SCR and SCH Features

- CTR with PerfectTrak™ technology
- Fabricated knuckle with integrated brake



PerfecTrak™ Technology

The First Compliant Tie Rod (CTR) Assembly and Dampening System

Features and Benefits

- Delivers industry's first passive steer Ackerman effectively controlling the relationship between inside wheel-turn angle and outside wheel-turn angle
- 31-degrees of inside wheel cut
- Eccentric adjustment simplifies the toe setting process
- Natural rubber tie rod ends, designed for reliable use on heavy trucks, eliminates greasing of assembly
- Self-centering achieved with the CTR eliminates service issues with coil-over damper
- Minimizes chances of buckled tie rods due to road strikes
- Uses new steering damper design to optimize road feel for lift axle use



Product video available at
http://www.hendrickson-intl.com/products/product_detail/compositeSCvideo.asp

SC Product Family Features and Benefits

FEATURE

- **Adjustable Frame Width**
 - Zero spacers = 33.5-inch frame width
 - One spacer per side = 34.0-inch frame width
 - Two spacers per side = 34.5-inch frame width
 - Design allows for adjustment with no disassembly
- **Adjustable Ride Height**
 - Suspension travel combined with adjustable spacers allows for a ride height range of four inches
 - Spacer tubing slotted to fit properly into place

BENEFIT — Allows stocking of one part number for multiple applications and easier installation

FEATURE

- Fabricated knuckle and integrated brake

BENEFIT — Reduces overall weight of suspension and allows for Ackerman customization

FEATURE

- SCT10, SCT13 and SCO13 offer a 31-degree wheel cut

BENEFIT — Helps prevent tire scrub

FEATURE

- SCT10 and SCT13 truck mounts provide a 22.1-inch package space from spindle centerline to front face of hanger
- Hanger design — Suspensions fit flat to the frame to allow for maximum clearance

BENEFIT — Allows for easier installation

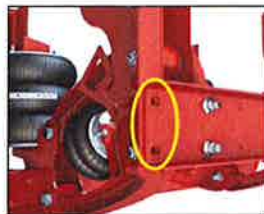
FEATURE

- Draw key kingpin design

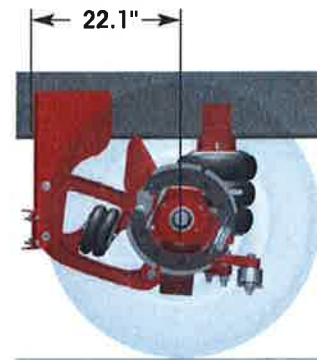
BENEFIT — Easier to service



Adjustable frame width and ride height



Adjustable ride height spacers



Package space



COMPOSILITE™ Steerable Lift Axle Specifications

MODEL	MAXIMUM CAPACITY (lbs.)	APPLICATION WEIGHT (lbs.)		RIDE HEIGHTS (inches +/- 1")
		Truck	Trailer (SCW)	
SCT10	10,000	675	664	12.5 - 20.5
SCT13	13,500	796	785	8.5 - 18.5
SCT20	20,000	1,340	1,315	9.5 - 13.5
SCO13	13,500	856	N/A	8.5 - 18.5
SCO20	20,000	1,326	N/A	9.5 - 13.5
SCH10	10,000	1,133	N/A	10.5 - 20.5
SCR13	13,500	1,029	N/A	9.0 - 15.0

Value-Added Features/Options

Hendrickson offers a variety of value-added options to help increase productivity for the end user operating a lift axle

Easy Toe Adjustment Tie Rod Feature — Toe adjustment can be done faster and from either end of the tie rod assembly

Lock Straight — Locks suspension straight when vehicle is placed in reverse or raised

Pre-Plumbed — Integrated air system reduces installation time through pre-located air tank, hoses and valves

Trailer Mount Products — All SCT models available in weld-on and bolt-on versions for trailer applications

Air Control Systems

- Compact size reduces amount of space required to mount controls
- Fewer fittings reduce system leak potential
- Higher airflow delivers better response when air controls are activated
- Color-coded connections provide easy identification and reduce installation time
- Inside-the-cab and outside-the-cab models available



For further information and application specifications,
call 1-800-660-2829 in the United States or 1-800-668-5360 in Canada.

www.hendrickson-intl.com



Auxiliary Axle Systems
277 North High Street
Hebron, OH 43025 USA
740.929.5600
Fax 740.929.5601

Auxiliary Axle Systems
250 Chrysler Drive, Unit #3
Brampton, ON L6S 6B6 Canada
905.789.1030
Fax 905.789.1033

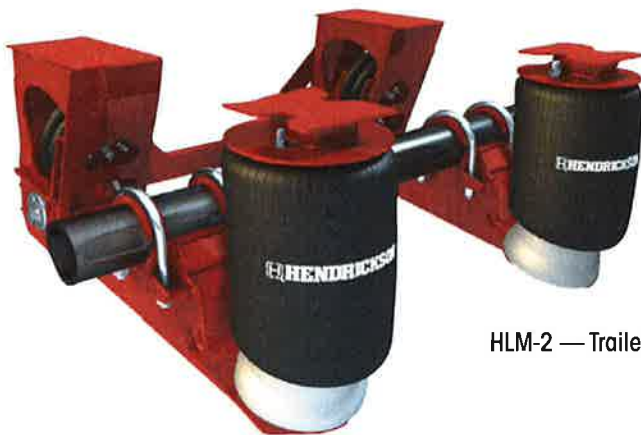
HLM-2™ Auxiliary Lift Axles

HLM-2™ lift axles bring a winning reputation, reliability, performance and durability you have come to expect from Hendrickson products.

Hendrickson offers a wide variety of auxiliary lift axles to meet the requirements of any application. The HLM-2 Series is engineered for rugged on- and off-road applications accommodating a wide range of ride heights for both truck and trailer applications. Hendrickson's TRI-FUNCTIONAL® Bushing helps absorb brake and acceleration forces while providing superior roll-control. The QUIK-ALIGN® feature simplifies the alignment process by eliminating welding of the alignment collar. Capacities available up to 25,000 lbs. in both pusher and tag axle configurations.



HLM-2 — Truck Mount



HLM-2 — Trailer Mount

For additional information, call **800.660.2829** or visit our web site at **www.hendrickson-intl.com**.

 **HENDRICKSON**
The World Rides On Us®



HLM-2™ Specifications

Capacity:	up to 25,000 pounds
Weight:	1,125 pounds
Travel:	9.5 inches
Lift:	6.5 inches
Axle Type:	5-inch round
Package Space:	26 inches



Air Control Systems

Air Control Systems Available for Non-Steer Lift Axles

HAC-NSI: Inside the cab

HAC-UCO: Outside the cab composite box

HAC-USO: Outside the cab stainless box

HAC-MCA: Outside the cab controls - auto lift when vehicle turned off

Air Kit Features

- Compact size reduces amount of space required to mount controls
- Fewer fittings reduce system leak potential
- Higher airflow delivers better response when air controls are activated
- Color-coded connections provide easy identification and reduce installation time
- Inside-the-cab and outside-the-cab models available



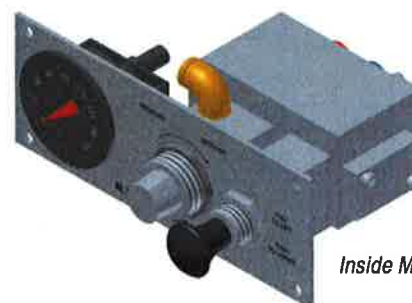
Outside Mounted Stainless Box



Outside Mounted Composite Box



Inside Mounted - Front View



Inside Mounted

www.hendrickson-intl.com



Auxiliary Axle Systems
277 North High Street
Hebron, OH 43025 USA
740.929.5600
Fax 740.929.5601

Auxiliary Axle Systems
250 Chrysler Drive, Unit #3
Brampton, ON L6S 6B6 Canada
905.789.1030
Fax 905.789.1033

PARTS LIST

REPLACEMENT PARTS STEERABLE SUSPENSION SYSTEMS ST AND PRIOR

LIT NO: H731

DATE: October 2011



PST20



UC2/ST/FBC10/13

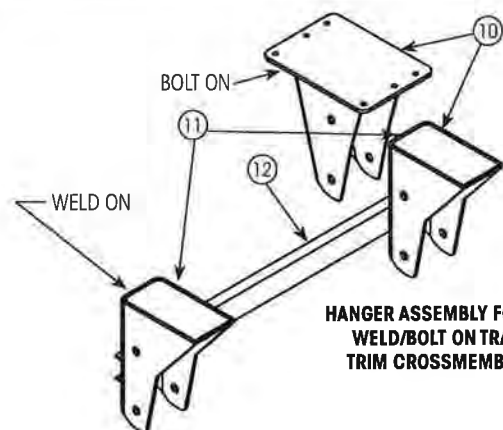


UR2T13

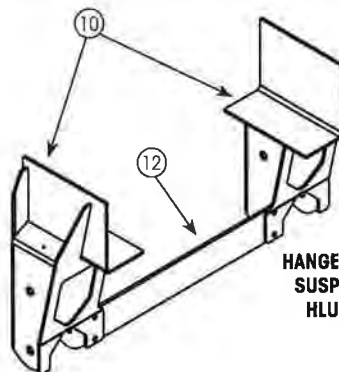


US/UT13

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

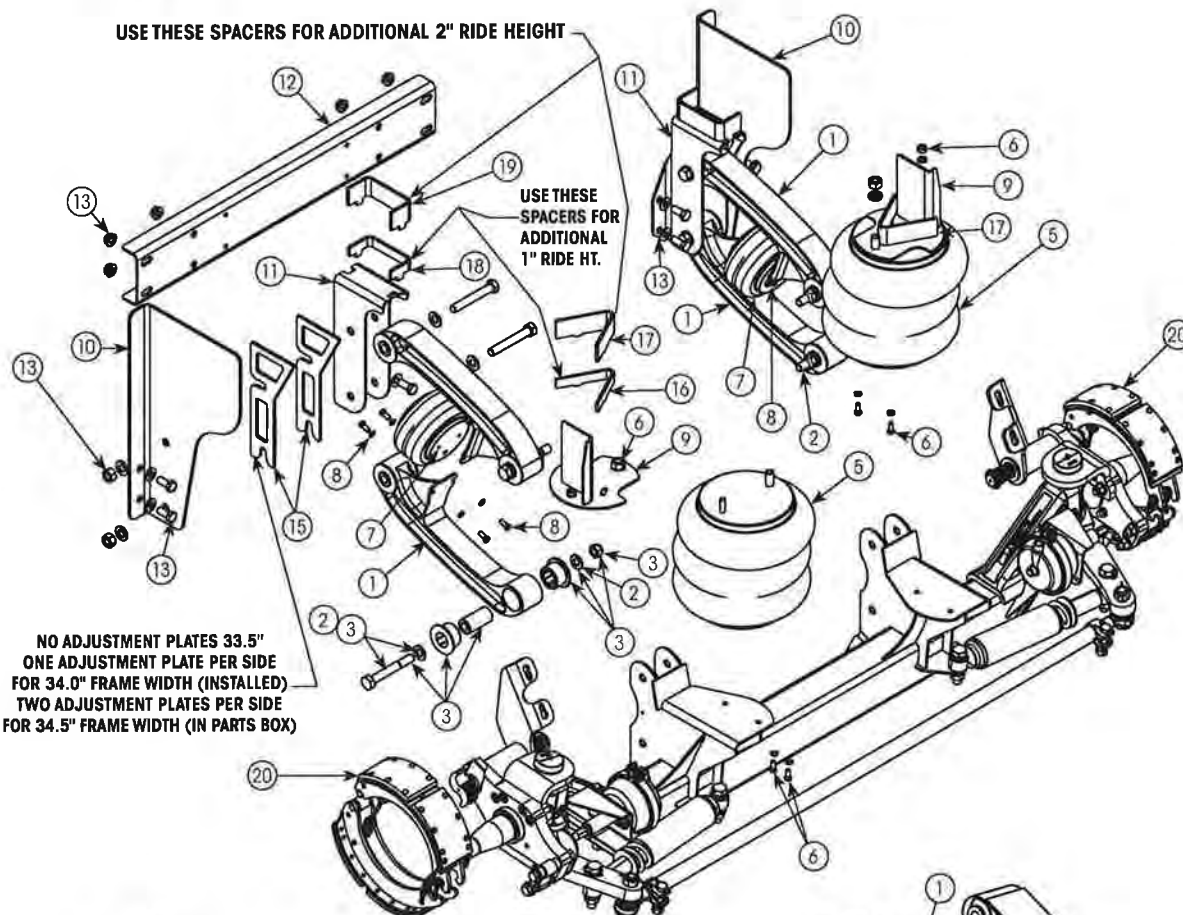


**HANGER ASSEMBLY FOR SUSPENSION
WELD/BOLT ON TRAILER MOUNT
TRIM CROSSMEMBER TO LENGTH**

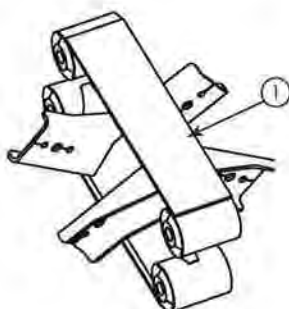


**HANGER ASSEMBLY FOR
SUSPENSION SERIES
HLU, PT13 & PT20**

USE THESE SPACERS FOR ADDITIONAL 2" RIDE HEIGHT



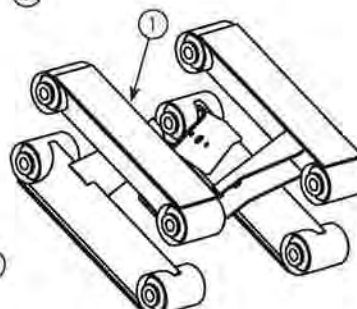
NO ADJUSTMENT PLATES 33.5"
ONE ADJUSTMENT PLATE PER SIDE
FOR 34.0" FRAME WIDTH (INSTALLED)
TWO ADJUSTMENT PLATES PER SIDE
FOR 34.5" FRAME WIDTH (IN PARTS BOX)



**HLP 20K
TRAILING ARM BEAMS**



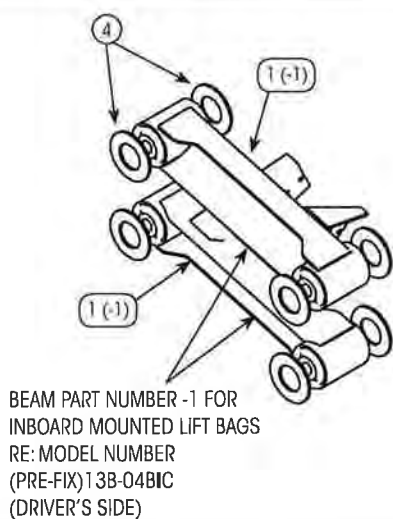
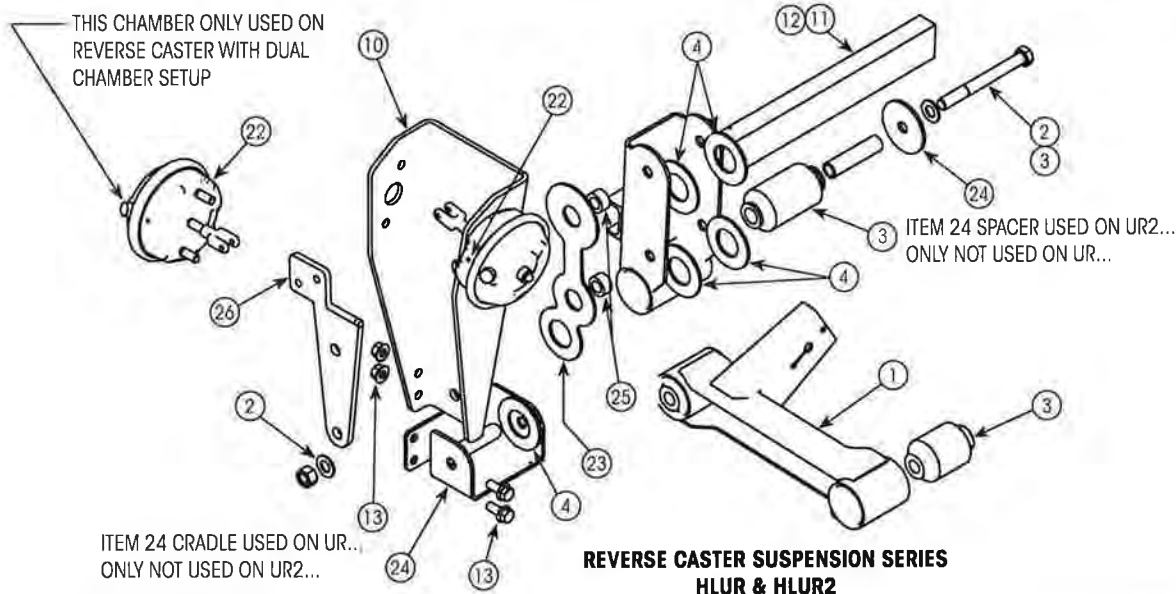
**14 - AXLE SEAT BOLT KIT
SUSPENSION SERIES
HLP & PST**



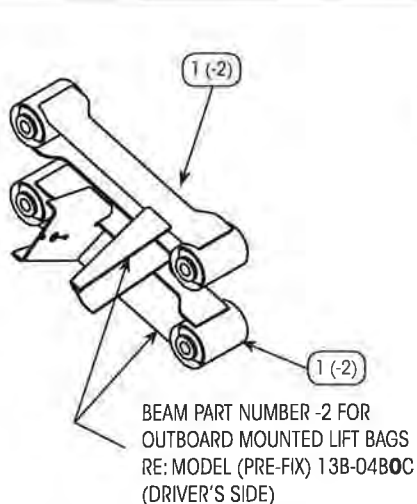
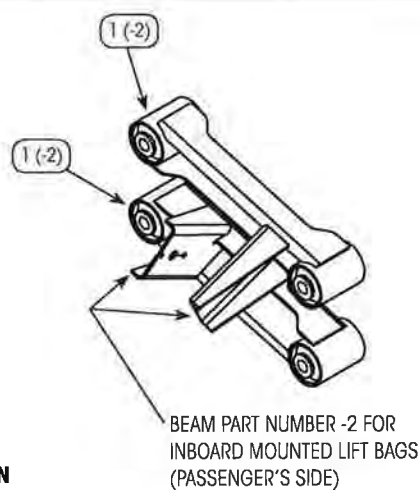
**FOR 13K SUSPENSION SERIES HLP, HLU, HLUW & HLUB
SUSPENSION PREFIX PT, PW, PB, UT, UW & UB
INBOARD AND OUTBOARD METHOD APPLY**



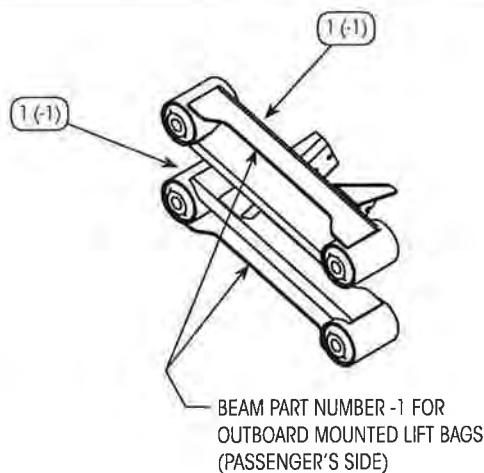
REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



INBOARD CLARIFICATION



OUTBOARD CLARIFICATION



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
1	BEAM ASSEMBLY	1997 - 1997	HLU	UT13	2	R-D-14784-1/-2
		1997 - 1999	HLUS	UST13	2	R-002006-1/-2
		1999 - Present	PST13 KIT ONLY	PST13	2	R-002006-1/-2
		1999 - 2000	HLUR	URT13	2	R-002968-1/-2
		1999 - 2005	HLUS2	US2T13	2	R-002006-1/-2
		2000 - Present	HLUR2T	UR2T13	2	R-004556-1/-2
		2002 - 2002	UCL	UCLT13	4	R-004610
		2002 - 2005	UC2	UC2T13	4	R-005733
		2005 - 2007	UC3, UC4	UC3(or4)T13	4	R-005733
		2006 - 2007	UC PRE-PLUMBED	UC...P	4	R-005733
		2004 - 2006	FBC 8K	FBT08	4	R-004933
		2007 - 2010	FBC 10K ADJ	FBT10	4	R-004933
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	4	R-004933
		2007 - 2010	ST 13K	STT13	4	R-005733
		2007 - 2010	ST 13K ADJ	STT13	4	R-005733
		2007 - 2010	ST PRE-PLUMBED	ST.....P	4	R-005733
		1999 - Present	PST13 KIT ONLY	PST13	2	R-002006-1/-2
		2008 - Present	PST20	PST20	2	R-007043-1/-2
		2009 - Present	PST20 ADJ	PST20	2	R-007043-1/-2
		1996 - 2008	PT20	PT20_-	4	R-001332
2	PIVOT BOLT KIT	1997 - 1997	HLU	UT13	1	R-A-14488
		1997 - 1999	HLUS	UST13	1	R-A-14488
		1999 - Present	PST13 KIT ONLY	PST13	1	R-A-14488
		1999 - 2000	HLUR	URT13	1	R-002551
		1999 - 2005	HLUS2	US2T13	1	R-A-14488
		2000 - Present	HLUR2T	UR2T13	1	R-004139
		2002 - 2002	UCL	UCLT13	1	R-A-14488
		2002 - 2005	UC2	UC2T13	1	R-005009
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-005009
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-005009
		2004 - 2006	FBC 8K	FBT08	1	R-005009
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-005009
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	1	R-005009
		2007 - 2010	ST 13K	STT13	1	R-005009
		2007 - 2010	ST 13K ADJ	STT13	1	R-007659
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	R-005009
		1999 - Present	PST13 KIT ONLY	PST13	1	R-A-14488
		2008 - Present	PST20	PST20	1	R-007040
		2009 - Present	PST20 ADJ	PST20	1	R-007961
		1996 - 2008	PT20	PT20_-	1	R-A-14488

NOTE: -1 Driver's Side, -2 Passenger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
3	BUSHING & PIVOT BOLT KIT	1997 - 1997	UT13	UT13	1	R-009560
		1997 - 1999	HLUS	UST13	1	R-009560
		1999 - Present	PST13 KIT ONLY	PST13	1	R-009560
		1999 - 2000	HLUR	URT13	1	R-009560-1
		1999 - 2005	HLUS2	US2T13	1	R-009560
		2000 - Present	HLUR2T	UR2T13	1	R-009560-1
		2002 - 2002	UCL	UCLT13	1	R-009560
		2002 - 2005	UC2	UC2T13	1	R-008839
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-008839
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-008839
		2004 - 2006	FBC 8K	FBT08	1	R-008839
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-008839
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-008839
		2007 - 2010	ST 13K	STT13	1	R-008839
		2007 - 2010	ST 13K ADJ	STT13	1	R-008839-1
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	R-008839
		1999 - Present	PST13 KIT ONLY	PST13	1	R-009560
		2008 - Present	PST20	PST20	1	R-009560-2
		2009 - Present	PST20 ADJ	PST20	1	R-009560-3
		1996 - 2008	PT20	PT20_-	1	R-009560
4	WEAR PADS INC. W/PB KIT (INCLUDED W/ITEM 3)	1997 - 1997	UT13	UT13	1	R-B-14495Q16
		1997 - 1999	HLUS	UST13	1	R-B-14495Q16
		1999 - Present	PST13 KIT ONLY	PST13	1	R-B-14495Q16
		1999 - 2000	HLUR	URT13	1	R-B-14495Q18
		1999 - 2005	HLUS2	US2T13	1	R-B-14495Q16
		2000 - Present	HLUR2T	UR2T13	1	R-B-14495Q18
		2002 - 2002	UCL	UCLT13	1	R-B-14495Q16
		1996 - 2008	PT20	PT20_-	1	R-B-14495Q16
5	RIDE SPRING	1997 - 1997	HLU	UT13	2	R-B-14487
		1997 - 1999	HLUS	UST13	2	R-B-14487
		1999 - Present	PST13 KIT ONLY	PST13	2	R-B-14487
		1999 - 2000	HLUR	URT13	2	R-B-14487
		1999 - 2005	HLUS2	US2T13	2	R-B-14487
		2000 - Present	HLUR2T	UR2T13	2	R-B-14487
		2002 - 2002	UCL	UCLT13	2	R-B-14487
		2002 - 2005	UC2	UC2T13	2	R-B-14487
		2005 - 2007	UC3, UC4	UC3(or4)T13	2	R-B-14487
		2006 - 2007	UC PRE-PLUMBED	UC...P	2	R-B-14487
		2004 - 2006	FBC 8K	FBT08	2	R-B-14487
		2007 - 2010	FBC 10K ADJ	FBT10	2	R-B-14487
		2006 - 2010	FBC PRE-PLUMBED	FB....P	2	R-B-14487
		2007 - 2010	ST 13K	STT13	2	R-B-14487
		2007 - 2010	ST 13K ADJ	STT13	2	R-B-14487
		2007 - 2010	ST PRE-PLUMBED	ST.....P	2	R-B-14487
		1999 - Present	PST13 KIT ONLY	PST13	2	R-B-14487
		2008 - Present	PST20	PST20	2	R-001346
		2009 - Present	PST20 ADJ	PST20	2	R-001346
		1996 - 2008	PT20	PT20_-	2	R-001346

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
6	RIDE SPRING BOLT KIT	1997 - 1997	HLU	UT13	2	R-007596
		1997 - 1999	HLUS	UST13	2	R-007596
		1999 - Present	PST13 KIT ONLY	PST13	2	R-007596
		1999 - 2000	HLUR	URT13	2	R-007596
		1999 - 2005	HLUS2	US2T13	2	R-007596
		2000 - Present	HLUR2T	UR2T13	2	R-007596
		2002 - 2002	UCL	UCLT13	2	R-007596
		2002 - 2005	UC2	UC2T13	2	R-007596
		2005 - 2007	UC3, UC4	UC3(or4)T13	2	R-007596
		2006 - 2007	UC PRE-PLUMBED	UC...P	2	R-007596
		2004 - 2006	FBC 8K	FBT08	2	R-007596
		2007 - 2010	FBC 10K ADJ	FBT10	2	R-007596
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	2	R-007596
		2007 - 2010	ST 13K	STT13	2	R-007596
		2007 - 2010	ST 13K ADJ	STT13	2	R-007596
		2007 - 2010	ST PRE-PLUMBED	ST.....P	2	R-007596
		1999 - Present	PST13 KIT ONLY	PST13	2	R-007596
		2008 - Present	PST20	PST20	2	R-001357
		2009 - Present	PST20 ADJ	PST20	2	R-001357
		1996 - 2008	PT20	PT20_-	2	R-001357
7	LIFT SPRING	1997 - 1997	HLU	UT13	2	R-B-14486
		1997 - 1999	HLUS	UST13	2	R-B-14486
		1999 - Present	PST13 KIT ONLY	PST13	2	R-B-14486
		1999 - 2000	HLUR	URT13	2	R-002878
		1999 - 2005	HLUS2	US2T13	2	R-B-14486
		2000 - Present	HLUR2T	UR2T13	2	R-B-14486
		2002 - 2002	UCL	UCLT13	2	R-004647
		2002 - 2005	UC2	UC2T13	2	R-005079
		2005 - 2007	UC3, UC4	UC3(or4)T13	2	R-005079
		2006 - 2007	UC PRE-PLUMBED	UC...P	2	R-005079
		2004 - 2006	FBC 8K	FBT08	2	R-005079
		2007 - 2010	FBC 10K ADJ	FBT10	2	R-005079
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	2	R-005079
		2007 - 2010	ST 13K	STT13	2	R-005079
		2007 - 2010	ST 13K ADJ	STT13	2	R-005079
		2007 - 2010	ST PRE-PLUMBED	ST.....P	2	R-005079
		1999 - Present	PST13 KIT ONLY	PST13	2	R-B-14486
		2008 - Present	PST20	PST20	2	R-B-14486
		2009 - Present	PST20 ADJ	PST20	2	R-B-14486
		1996 - 2008	PT20	PT20_-	2	R-001347



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
8	LIFT SPRING BOLT KIT	1997 - 1997	HLU	UT13	2	R-007634
		1997 - 1999	HLUS	UST13	2	R-007634
		1999 - Present	PST13 KIT ONLY	PST13	2	R-007634
		1999 - 2000	HLUR	URT13	2	R-007634
		1999 - 2005	HLUS2	US2T13	2	R-007634
		2000 - Present	HLUR2T	UR2T13	2	R-007634
		2002 - 2002	UCL	UCLT13	2	R-002404
		2002 - 2005	UC2	UC2T13	1	R-A-1134
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-A-1134
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-A-1134
		2004 - 2006	FBC 8K	FBT08	1	R-A-1134
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-A-1134
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-A-1134
		2007 - 2010	ST 13K	STT13	1	R-A-1134
		2007 - 2010	ST 13K ADJ	STT13	1	R-A-1134
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	R-A-1134
		1999 - Present	PST13 KIT ONLY	PST13	2	R-007634
		2008 - Present	PST20	PST20	2	R-007634
		2009 - Present	PST20 ADJ	PST20	2	R-007634
		1996 - 2008	PT20	PT20 -	2	R-001358
9	UPPER AIR SPRING PLATE	1997 - 1997	HLU	UT13	1	R-C-14489-1/2
		1997 - 1999	HLUS	UST13	1	R-C-14489-1/2
		1999 - Present	PST13 KIT ONLY	PST13		R-C-14489-1/2
		1999 - 2000	HLUR	URT13	1	R-C-14489-1/2
		1999 - 2005	HLUS2	US2T13	1	R-C-14489-1/2
		2000 - Present	HLUR2T	UR2T13	1	R-004206-1/2
		2002 - 2002	UCL	UCLT13	1	R-004611-1/2
		2002 - 2005	UC2	UC2T13	1	R-005065-1/2
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-005065-1/2
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-005065-1/2
		2004 - 2006	FBC 8K	FBT08	1	R-005065-1/2
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-005065-1/2
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-005065-1/2
		2007 - 2010	ST 13K	STT13	1	R-005065-1/2
		2007 - 2010	ST 13K ADJ	STT13	1	R-005065-1/2
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	R-005065-1/2
		1999 - Present	PST13 KIT ONLY	PST13	1	R-C-14489-1/2
		2008 - Present	PST20	PST20	1	R-007938-1/2
		2009 - Present	PST20 ADJ	PST20	1	R-008337-1/2
		1996 - 2008	PT20	PT20 -	1	R-C-14489-1/2

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
10	HANGER SIDE RAIL	1997 - 1997	HLU	UT13	1	R-D-14786-1/-2
		1997 - 1999	HLUS	UST13	1	R-002336-1/-2
		1999 - Present	PST13 KIT ONLY	PST13	1	R-002336-1/-2
		1999 - 2000	HLUR	URT13	1	R-002668-1/-2
		1999 - 2005	HLUS2	US2T13	1	R-002336-1/-2
		2000 - Present	HLUR2T	UR2T13	1	R-003516-1/-2
		2002 - 2002	UCL	UCLT13	1	R-004615-1/-2
		2002 - 2005	UC2	UC2T13	1	R-004926-1/-2
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-004926-1/-2
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-005765-1/-2
		2004 - 2006	FBC 8K	FBT08	1	R-004926-1/-2
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-004926-1/-2
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	1	R-004926-1/-2
		2007 - 2010	ST 13K	STT13	1	R-004926-1/-2
		2007 - 2010	ST 13K ADJ	STT13	1	R-004926-1/-2
		2007 - 2010	ST PRE-PLUMBED	ST.....P	2	R-005765-1/-2
		1999 - Present	PST13 KIT ONLY	PST13	1	R-002336-1/-2
		2008 - Present	PST20	PST20	1	R-007044-1/-2
		2009 - Present	PST20 ADJ	PST20	1	R-007044-1/-2
		1996 - 2008	PT20	PT20_-	1	R-D-14786-1/-2
11	BUSHING SADDLE	1997 - 1997	HLU	UT13	X	N/A
		1997 - 1999	HLUS	UST13	1	R-002679-1/-2
		1999 - Present	PST13 KIT ONLY	PST13	1	R-002679-1/-2
		1999 - 2000	HLUR	URT13	1	R-002657-1/-2/-3 WELDMENT
		1999 - 2005	HLUS2	US2T13	1	R-002679-1/-2
		2000 - Present	HLUR2T	UR2T13	1	R-003577-1/-2/-3 WELDMENT
		2002 - 2002	UCL	UCLT13	1	R-002679-1/-2
		2002 - 2005	UC2	UC2T13	1	R-004925-1/-2
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-004925-1/-2
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-004925-1/-2
		2004 - 2006	FBC 8K	FBT08	1	R-004925-1/-2
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-004925-1/-2
		2006 - 2010	FBC PRE-PLUMBED	FB.....P	1	R-004925-1/-2
		2007 - 2010	ST 13K	STT13	1	R-004925-1/-2
		2007 - 2010	ST 13K ADJ	STT13	1	R-004925-1/-2
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	R-004925-1/-2
		1999 - Present	PST13 KIT ONLY	PST13	1	R-002679-1/-2
		2008 - Present	PST20	PST20	1	R-007045-1/-2
		2009 - Present	PST20 ADJ	PST20	1	R-007045-1/-2
		1996 - 2008	PT20	PT20_-	1	N/A

NOTE: -1 Driver's Side, -2 Passenger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

TRUCK MOUNT

12 - 13 - 14 - 15

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
12	CROSS MEMBER	1997 - 1997	HLU	UT13	1	R-B-14789
		1997 - 1999	HLUS	UST13	1	R-002067-1/-2/-3
		1999 - Present	PST13 KIT ONLY	PST13		R-002067-1/-2/-3
		1999 - 2000	HLUR	URT13	-	R-002948-38
		1999 - 2005	HLUS2	US2T13	1	R-002067-1/-2/-3
		2000 - Present	HLUR2T	UR2T13	-	R-002948-38
		2002 - 2002	UCL	UCLT13	1	R-004616-1/-2/-3
		2002 - 2005	UC2	UC2T13	1	004930-1/-2/-3
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	004930-1/-2/-3
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	004930-1/-2/-3
		2004 - 2006	FBC 8K	FBT08	1	R-005662-1/-2/-3
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-007419
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-005662-1/-2/-3
		2007 - 2010	ST 13K	STT13	1	004930-1/-2/-3
		2007 - 2010	ST 13K ADJ	STT13	1	R-007419
		2007 - 2010	ST PRE-PLUMBED	ST.....P	1	004930-1/-2/-3
		1999 - Present	PST13 KIT ONLY	PST13		R-002067-1/-2/-3
		2008 - Present	PST20	PST20		R-007041-1/-2/-3/-4
		2009 - Present	PST20 ADJ	PST20		R-007944
		1996 - 2008	PT20	PT20_-		R-B-14789
13	CROSS MEMBER OR CRADLE BOLT KIT	1997 - 1997	HLU	UT13	1	R-A-14570
		1997 - 1999	HLUS	UST13	1	R-007677
		1999 - Present	PST13 KIT ONLY	PST13	1	R-007677
		1999 - 2000	HLUR	URT13	2	R-007677
		1999 - 2005	HLUS2	US2T13	1	R-007677
		2000 - Present	HLUR2T	UR2T13	X	N/A
		2002 - 2002	UCL	UCLT13	1	R-007677
		2002 - 2005	UC2	UC2T13	1	R-007677
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-007677
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-007677
		2004 - 2006	FBC 8K	FBT08	1	R-007677
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-007677
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-007677
		2007 - 2010	ST 13K	STT13	1	R-007677
		2007 - 2010	ST 13K ADJ	STT13	1	R-007677
		2007 - 2010	ST PRE-PLUMBED	ST.....P		R-007677
		1999 - Present	PST13 KIT ONLY	PST13	1	R-009046
		2008 - Present	PST20	PST20	1	R-009046
		2009 - Present	PST20 ADJ	PST20	1	R-009046
		1996 - 2008	PT20	PT20_-	1	R-A-14570
14	AXLE BOLT KIT	1999 - Present	PST13 KIT ONLY	PST13	1	R-A-14608
		1999 - Present	PST13 KIT ONLY	PST13	1	R-A-14608
		2008 - Present	PST20	PST20	1	R-007030
		2009 - Present	PST20 ADJ	PST20	1	R-007030
		1996 - 2008	PT20	PT20_-	1	R-A-14608
15	FRAME WIDTH SPACERS	2007 - 2010	FBC 10K ADJ	FBT10	2	R-007420
		2007 - 2010	ST 13K ADJ	STT13	2	R-007420
		2009 - Present	PST20 ADJ	PST20	2	R-008299

NOTE: -1 Driver's Side, -2 Passanger's Side (Typical). Check page 3 for Inboard/Outboard clarification.

NOTE: -1/-2/-3/-4 = Frame Width. -1 = 33.5", -2 = 34.0", -3 = 34.5", -4 = 35.0"

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
16	1" RIDE HEIGHT SPRING SPACER	2007 - 2010	FBC 10K ADJ	FBT10	2	R-007425-1
		2007 - 2010	ST 13K ADJ	STT13	2	R-007425-1
		2009 - Present	PST20 ADJ	PST20	2	R-008340-1
17	2" RIDE HEIGHT SPRING SPACER	2007 - 2010	FBC 10K ADJ	FBT10	2	R-007425-2
		2007 - 2010	ST 13K ADJ	STT13	2	R-007425-2
		2009 - Present	PST20 ADJ	PST20	2	R-008340-2
18	1" RIDE HEIGHT SADDLE SPACER	2007 - 2010	FBC 10K ADJ	FBT10	2	R-007417-1
		2007 - 2010	ST 13K ADJ	STT13	2	R-007417-1
		2009 - Present	PST20 ADJ	PST20	2	R-008154-1
19	2" RIDE HEIGHT SADDLE SPACER	2007 - 2010	FBC 10K ADJ	FBT10	2	R-007417-2
		2007 - 2010	ST 13K ADJ	STT13	2	R-007417-2
		2009 - Present	PST20 ADJ	PST20	2	R-008154-2
20	QC BRAKE SHOE KIT	1997 - 1997	HLU	UT13	2	R-001765
		1997 - 1999	HLUS	UST13	2	R-001765
		1999 - Present	PST13 KIT ONLY	PST13	2	N/A
		1999 - 2000	HLUR	URT13	2	R-002343
		1999 - 2005	HLUS2	US2T13	2	R-003275
		2000 - Present	HLUR2T	UR2T13	2	R-003275
		2002 - 2002	UCL	UCLT13	2	R-003275
		2002 - 2005	UC2	UC2T13	2	R-003275
		2005 - 2007	UC3, UC4	UC3(or4)T13	2	R-003275
		2006 - 2007	UC PRE-PLUMBED	UC...P	2	R-003275
		2004 - 2006	FBC 8K	FBT08	2	R-006097
		2007 - 2010	FBC 10K ADJ	FBT10	2	R-006097
		2006 - 2010	FBC PRE-PLUMBED	FB....P	2	R-006097
		2007 - 2010	ST 13K	STT13	2	R-007442
		2007 - 2010	ST 13K ADJ	STT13	2	R-007442
		2007 - 2010	ST PRE-PLUMBED	ST....P	2	R-006097
		1999 - Present	PST13 KIT ONLY	PST13	X	N/A
		2008 - Present	PST20	PST20	2	R-002379
		2009 - Present	PST20 ADJ	PST20	2	R-002379
		1996 - 2008	PT20	PT20_	X	N/A
21	COMPLETE BRAKE ASSEMBLY	1997 - 1997	HLU	UT13	1	R-001724 / 25
		1997 - 1999	HLUS	UST13	1	R-001724 / 25
		1999 - Present	PST13 KIT ONLY	PST13	X	N/A
		1999 - 2000	HLUR	URT13	1	R-001724 / 25
		1999 - 2005	HLUS2	US2T13	1	R-003274-1/-2
		2000 - Present	HLUR2T	UCLT13	1	R-003274-1/-2
		2002 - 2002	UCL	UCLT13	1	R-003274-1/-2
		2002 - 2005	UC2	UC2T13	1	R-003274-1/-2
		2005 - 2007	UC3, UC4	UC3(or4)T13	1	R-003274-1/-2
		2006 - 2007	UC PRE-PLUMBED	UC...P	1	R-003274-1/-2
		2004 - 2006	FBC 8K	FBT08	1	R-005896-1/-2
		2007 - 2010	FBC 10K ADJ	FBT10	1	R-005896-1/-2
		2006 - 2010	FBC PRE-PLUMBED	FB....P	1	R-005896-1/-2
		2007 - 2010	ST PRE-PLUMBED	ST....P	1	R-005896-1/-2
		2008 - Present	PST20	PST20	1	R-004043-1/-2
		2009 - Present	PST20 ADJ	PST20	1	R-004043-1/-2

NOTE: -1 Driver's Side, -2 Passanger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
REVERSE CASTER COMPONENTS						
22	CASTER CHAMBER	1999 - 2000	HLUR	URT13	4	R-002500
		2000 - Present	HLUR2T	UR2T13	2	R-003513
23	TRI WEAR PAD	1999 - 2000	HLUR	URT13	2	R-002673
		2000 - Present	HLUR2T	UR2T13	2	R-002673
24	CRADLE OR RETAINING PLATE	1999 - 2000	HLUR	URT13	1	R-002432-1/-2
		2000 - Present	HLUR2T	UR2T13	2	R-003595
25	SPACER	1999 - 2000	HLUR	URT13	4	R-002672
		2000 - Present	HLUR2T	UR2T13	4	R-003510
26	SHIFT ARM	1999 - 2000	HLUR	URT13	1	R-002435-1/-2
		2000 - Present	HLUR2T	UR2T13	2	R-003527

NOTE: -1 Driver's Side, -2 Passenger's Side (Typical). Check page 3 for Inboard/Outboard clarification.

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



TRAILER MOUNT

1-2-3-4-5-6-7

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRUCK PREFIX	QTY.	PART NO.
1	BEAM ASSEMBLY	1997 - 1997	HLUW	UW13	2	R-D-14784-1/-2
		1997 - 1997	HLUB	UB13	2	R-D-14784-1/-2
		1999 - 2005	HLUS2W	US2W13	2	R-002006-1/-2
		1999 - 2005	HLUS2B	US2B13	2	R-002006-1/-2
		2002 - 2005	UC2W	UC2W	4	R-005733
		2002 - 2005	UC2B	UC2B	4	R-005733
		2007	STW	STW13	4	R-005733
		2007	STB	STB13	4	R-005733
2	PIVOT BOLT KIT	1997 - 1997	HLUW	UW13	1	R-A-14488
		1997 - 1997	HLUB	UB13	1	R-A-14488
		1999 - 2005	HLUS2W	US2W13	1	R-A-14488
		1999 - 2005	HLUS2B	US2B13	1	R-A-14488
		2002 - 2005	UC2W	UC2W	1	R-005009
		2002 - 2005	UC2B	UC2B	1	R-005009
		2007	STW	STW13	1	R-005009
		2007	STB	STB13	1	R-005009
3	BUSHING AND PIVOT BOLT KIT	1997 - 1997	HLUW	UW13	1	R-009560
		1997 - 1997	HLUB	UB13	1	R-009560
		1999 - 2005	HLUS2W	US2W13	1	R-009560
		1999 - 2005	HLUS2B	US2B13	1	R-009560
		2002 - 2005	UC2W	UC2W	1	R-008839
		2002 - 2005	UC2B	UC2B	1	R-008839
		2007	STW	STW13	1	R-008839
		2007	STB	STB13	1	R-008839
4	WEAR PADS INC. W/PB KIT	1997 - 1997	HLUW	UW13	1	R-B-14495Q16
		1997 - 1997	HLUB	UB13	1	R-B-14495Q16
		1999 - 2005	HLUS2W	US2W13	1	R-B-14495Q16
		1999 - 2005	HLUS2B	US2B13	1	R-B-14495Q16
5	RIDE SPRING	1997 - 1997	HLUW	UW13	2	R-001015
		1997 - 1997	HLUB	UB13	2	R-001015
		1999 - 2005	HLUS2W	US2W13	2	R-001015
		1999 - 2005	HLUS2B	US2B13	2	R-001015
		2002 - 2005	UC2W	UC2W	2	R-001015
		2002 - 2005	UC2B	UC2B	2	R-001015
		2007	STW	STW13	2	R-001015
		2007	STB	STB13	2	R-001015
6	RIDE SPRING BOLT KIT	1997 - 1997	HLUW	UW13	2	R-007596
		1997 - 1997	HLUB	UB13	2	R-007596
		1999 - 2005	HLUS2W	US2W13	2	R-A-13075
		1999 - 2005	HLUS2B	US2B13	2	R-A-13075
		2002 - 2005	UC2W	UC2W	2	R-A-13075
		2002 - 2005	UC2B	UC2B	2	R-A-13075
		2007	STW	STW13	2	R-A-13075
		2007	STB	STB13	2	R-A-13075
7	LIFT SPRING	1997 - 1997	HLUW	UW13	2	R-B-14487
		1997 - 1997	HLUB	UB13	2	R-B-14487
		1999 - 2005	HLUS2W	US2W13	2	R-B-14486
		1999 - 2005	HLUS2B	US2B13	2	R-B-14486
		2002 - 2005	UC2W	UC2W	2	R-005079
		2002 - 2005	UC2B	UC2B	2	R-005079
		2007	STW	STW13	2	R-005079
		2007	STB	STB13	2	R-005079

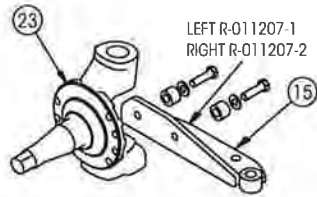
NOTE: -1 Driver's Side, -2 Passenger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



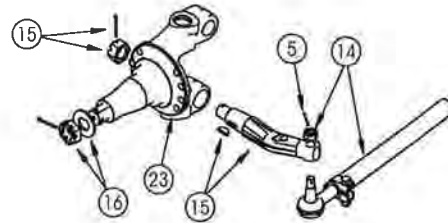
REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	YEARS OF SERVICE	SUSPENSION SERIES	TRAILER PREFIX	QTY.	PART NO.
8	LIFT SPRING BOLT KIT	1997 - 1997	HLUW	UW13	2	R-007634
		1997 - 1997	HLUB	UB13	2	R-007634
		1999 - 2005	HLUS2W	US2W13	2	R-007634
		1999 - 2005	HLUS2B	US2B13	2	R-007634
		2002 - 2005	UC2W	UC2W	1	R-A-1134
		2002 - 2005	UC2B	UC2B	1	R-A-1134
		2007	STW	STW13	1	R-A-1134
		2007	STB	STB13	1	R-A-1134
9	UPPER AIR SPRING PLATE	1997 - 1997	HLUW	UW13	1	R-001014-1/-2
		1997 - 1997	HLUB	UB13	1	R-001014-1/-2
		1999 - 2005	HLUS2W	US2W13	1	R-001014-1/-2
		1999 - 2005	HLUS2B	US2B13	1	R-001014-1/-2
		2002 - 2005	UC2W	UC2W	2	R-005168
		2002 - 2005	UC2B	UC2B	2	R-005168
		2007	STW	STW13	2	R-005168
		2007	STB	STB13	2	R-005168
10	2 SADDLES AND CROSSMEMBER WELDMENT	2002 - 2005	UC2W	UC2W	1	R-005021
		2002 - 2005	UC2B	UC2B	1	R-005503
		2007	STW	STW13	1	R-005021
		2007	STB	STB13	1	R-005503
11	BUSHING SADDLE	1997 - 1997	HLUW	UW13	2	R-001306
		1997 - 1997	HLUB	UB13	1	R-001013-1/-2
		1999 - 2005	HLUS2W	US2W13	2	R-001306
		1999 - 2005	HLUS2B	US2B13	1	R-001013-1/-2
		2002 - 2005	UC2W	UC2W	X	R-005020
		2002 - 2005	UC2B	UC2B	X	R-005502-1/-2
		2007	STW	STW13	X	R-005020
		2007	STB	STB13	X	R-005502-1/-2
12	CROSS MEMBER	1997 - 1997	HLUW	UW13	1	R-002948-30
		1997 - 1997	HLUB	UB13	1	R-002948-30
		1999 - 2005	HLUS2W	US2W13	1	R-002948-30
		1999 - 2005	HLUS2B	US2B13	1	R-002948-30
		2002 - 2005	UC2W	UC2W	1	R-002948-30
		2002 - 2005	UC2B	UC2B	1	R-002948-30
		2007	STW	STW13	1	R-002948-30
		2007	STB	STB13	1	R-002948-30
Note: 13...19 N/A						
20	QC BRAKE SHOE KIT	1997 - 1997	HLUW	UW13	2	R-001765
		1997 - 1997	HLUB	UB13	2	R-001765
		1999 - 2005	HLUS2W	US2W13	2	R-003275
		1999 - 2005	HLUS2B	US2B13	2	R-003275
		2002 - 2005	UC2W	UC2W	2	R-003275
		2002 - 2005	UC2B	UC2B	2	R-003275
		2007	STW	STW13	2	R-007442
		2007	STB	STB13	2	R-007442
21	COMPLETE BRAKE ASSEMBLY	1997 - 1997	HLUW	UW13	X	R-001724 / 25
		1997 - 1997	HLUB	UB13	X	R-001724 / 25
		1999 - 2005	HLUS2W	US2W13	X	R-003274-1/-2
		1999 - 2005	HLUS2B	US2B13	X	R-003274-1/-2
		2002 - 2005	UC2W	UC2W	X	R-003274-1/-2
		2002 - 2005	UC2B	UC2B	X	R-003274-1/-2
		2007	STW	STW13	X	N/A
		2007	STB	STB13	X	N/A

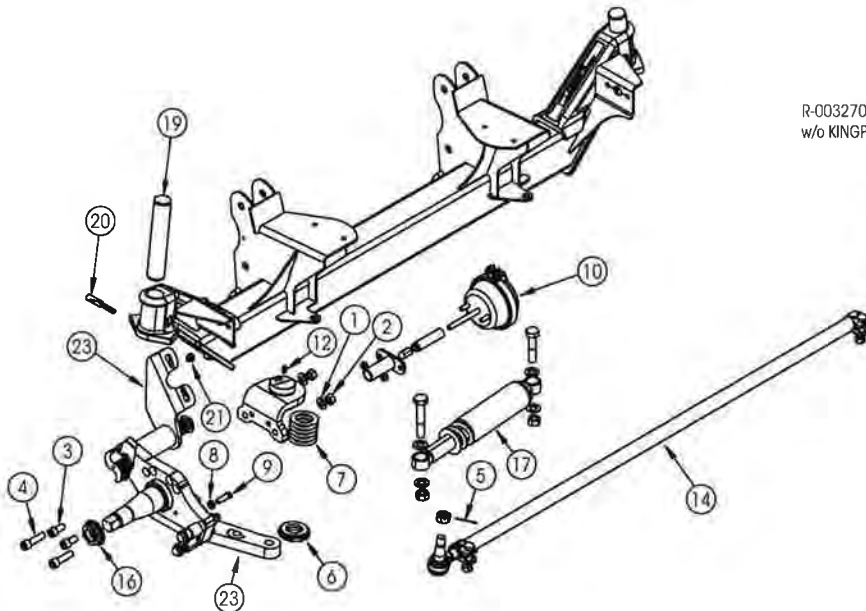
NOTE: -1 Driver's Side, -2 Passanger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



MODEL PREFIX US AFTER 4/99
KNUCKLE OBSOLETE
NEED US2 REPLACEMENT AXLE



MODEL PREFIX US
BEFORE 4/99



MODEL PREFIX
ST and FB

R-003270
w/o KINGPIN

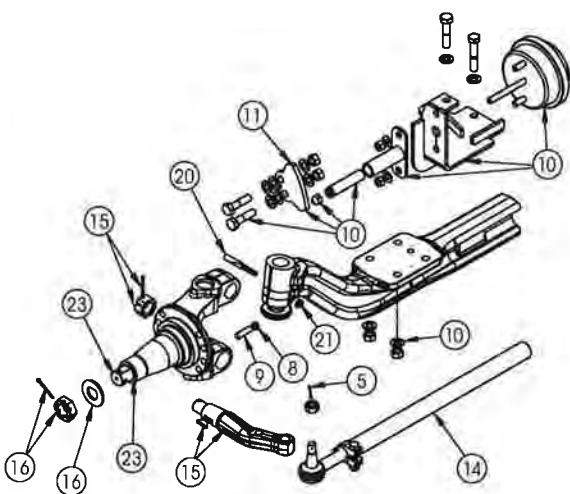


R-002916 USES
SCREW IN CAP

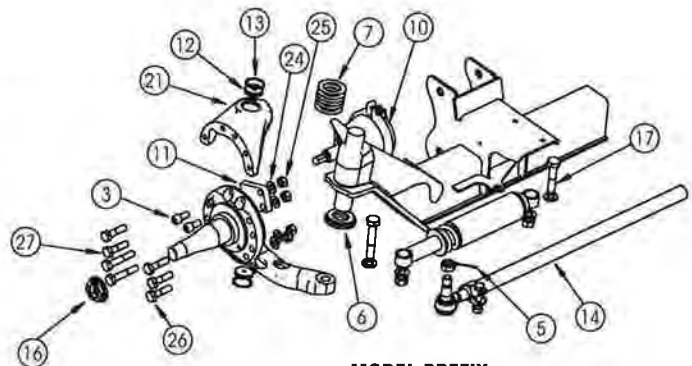


MODEL PREFIX US# and UC#
= 2, 3 or 4

AXLE ASSEMBLIES



MODEL PREFIX
P_13_..., P_16_..., P_20_... and PS_20_...



MODEL PREFIX
US# and UC#
= 2, 3 or 4



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	SUSPENSION SERIES	MODEL PREFIX	QTY.	PART NO.
1	UPPER KING PIN WASHERS	ST NEW	STT13	4	R-6212H2H
2	UPPER KING PIN NUTS	FBC	FBT08 or 10	12	R-6009CH2LC
		ST NEW	STT13	4	R-6012CH2LC
3	BACKBONE BOLTS OR SOCKET	HLUS2	US2T13	4	R-6110C125H4A8
	HEAD CAP SCREWS, SHORT	HLUR2T	US2T13	4	R-6110C125H4A8
		UCL	UCLT	4	R-6110C125H4A8
		UC2, 3, 4	UC#T	4	R-6110C125H4A8
		FBC	FBT08 or 10	6	R-6109C200H4H8
		ST NEW	STT13	4	R-6112C225H4H8
4	BACKBONE BOLTS LONG	FBC	FBT08 or 10	6	R-6109C300H4H8
		ST NEW	STT13	4	R-6110C225H4A8
5	TIE ROD COTTER PIN	HLU	UT13	2	R-001524-15
		HLUS	UST13	2	R-001524-15
		HLUR	URT13	2	R-001524-15
		HLUS2	US2T13	2	R-001524-15
		HLUR2T	UR2T13	2	R-001524-15
		UCL	UCLT	2	R-001524-15
		UC2, 3, 4	UC#T	2	R-001524-15
		FBC	FBT08 or 10	2	R-001524-15
		ST NEW	STT13	2	R-001524-15
		PST20_T	PST20_T	2	R-A-14821
		PST20_W	PST20_W	2	R-011164
		PT20_T	PT20_T	2	R-A-14821
		PT20_S	PT20_S	2	R-A-14821
6	THRUST BEARING INCLUDED WITH KINGPIN KIT	HLU	UT13	2	R-001620
		HLUS	UST13	2	R-001620
		HLUR	URT13	2	R-001620
		HLUS2	US2T13	2	R-001620
		HLUR2T	UR2T13	2	R-001620
		UCL	UCLT	2	R-001620
		UC2, 3, 4	UC#T	2	R-001620
		FBC	FBT08 or 10	2	R-001620
		ST NEW	STT13	2	R-001620
		PST20_T	PST20_T	2	R-005070
		PST20_W	PST20_W	2	R-011161
		PT20_T	PT20_T	2	R-005070
		PT20_S	PT20_S	X	WITH KINGPIN KIT ONLY
7	SHIMS INCLUDED WITH KINGPIN KIT	HLU	UT13	6	R-001764-1
		HLUS	UST13	6	R-001764-1
		HLUR	URT13	6	R-001764-1
		HLUS2	US2T13	12	R-001764-1
		HLUR2T	UR2T13	12	R-001764-1
		UCL	UCLT	12	R-001764-1
		UC2, 3, 4	UC#T	12	R-001764-1
		FBC	FBT08 or 10	4	R-001764-1
		ST NEW	STT13	4	R-001764-1
		PST20_T	PST20_T	3ea	R-005414,15
		PST20_W	PST20_W	4	R-011170
		PT20_T	PT20_T	X	WITH KINGPIN KIT ONLY
		PT20_S	PT20_S	X	WITH KINGPIN KIT ONLY

AXLE ASSEMBLIES

1 - 2 - 3 - 4 - 5 - 6 - 7

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	SUSPENSION SERIES	MODEL PREFIX	QTY.	PART NO.
8	TURN STOP JAM NUT	ST NEW	STT13	2	R-6008CH2JC
		PST20_W	PST20_W	2	R-011159
9	TURN STOP SCREW	ST NEW	STT13	2	R-6108C150H4S8
		PST20_W	PST20_W	2	R-011162
10	LOCK STRAIGHT KIT (OPTIONAL)	HLUS	UST13	1	R-002600
		HLUS2	US2T13	1	R-002600
		UC2, 3, 4	UC#T	2	R-002600
		ST NEW	STT13	1	R-002600-2
		PST20_T	PST20_T	1	R-008233
		PST20_W	PST20_W	1	R-008922
		PT20_-T	PT20_-T	1	R-005256
		PT20_-S	PT20_-S	1	R-004012
11	LOCK STRAIGHT TARGET (OPTIONAL)	HLUS2	US2T13	2	R-003557
		UCL	UCLT	2	R-003557
		UC2, 3, 4	UC#T	2	R-003557
		ST NEW	STT13	2	R-008495
		PST20_T	PST20_T	2	R-005156
		PST20_W	PST20_W	2	R-008711
		PT20_-T	PT20_-T	2	R-005156
		PT20_-S	PT20_-S	2	R-003029
12	KINGPIN CAP OR ZERK FITTING	HLU	UT13	4	R-001622
		HLUS	UST13	4	R-001622
		HLUR	URT13	4	R-001622
		HLUS2	US2T13	4	R-003263
		HLUR2T	UR2T13	4	R-003263
		UCL	UCLT	4	R-003263
		UC2, 3, 4	UC#T	4	R-003263
		FBC	FBT08 or 10	4	R-002804
		ST NEW	STT13	4	R-002804
		PST20_T	PST20_T	X	WITH KINGPIN KIT ONLY
		PST20_W	PST20_W	2	R-11168
		PT20_-T	PT20_-T	X	WITH KINGPIN KIT ONLY
		PT20_-S	PT20_-S	X	WITH KINGPIN KIT ONLY
13	KINGPIN CAP RETAINING RIING	HLUS2	US2T13	4	R-003267
		HLUR2T	UR2T13	4	R-003267
		UCL	UCLT	4	R-003267
		UC2, 3, 4	UC#T	4	R-003267
14	TIE ROD ASSEMBLY	HLU	UT13	1	R-001882
		HLUS	UST13	1	SEE NOTES
		HLUR	URT13	1	R-002890
		HLUS2	US2T13	1	R-002890
		HLUR2T	UR2T13	1	R-002890
		UCL	UCLT	1	R-002890
		UC2, 3, 4	UC#T	1	R-002890
		FBC	FBT08 or 10	1	R-007220
		ST NEW	STT13	1	R-002890
		PST20_T	PST20_T	1	R-008210
		PST20_W	PST20_W	1	R-011160
		PT20_-T	PT20_-T	1	R-005097
		PT20_-S	PT20_-S	1	R-001087



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	SUSPENSION SERIES	MODEL PREFIX	QTY.	PART NO.	
15	TIE ROD ARM, COTTER PIN AND NUT	HLU	UT13	SEE EXPLOSION	R-011206	
		HLUS	UST13	SEE EXPLOSION	R-011206-1/-2 OLD CAST	
		HLUR	URT13	SEE EXPLOSION	R-011207-1/2 NEWER FABRICATION	
		PST20_T	PST20_T	1 EA	R-011182-1/-2	
		PST20_W	PST20_W	1 EA	R-011182-1/-2	
		PT20_T	PT20_T	1 EA	R-005107-1/-2	
		PT20_S	PT20_S	1	R-001728 BOTH SIDES	
16	SPINDLE NUT	HLU	UT13	2	R-009818	
		HLUS	UST13	2	R-009818	
		HLUR	URT13	2	R-009818	
		HLUS2	US2T13	2	R-003269	
		HLUR2T	UR2T13	2	R-003269	
		UCL	UCLT	2	R-003269	
		UC2, 3, 4	UC#T	2	R-003269	
		FBC	FBT08 or 10	2	R-003269	
		ST NEW	STT13	2	R-003269	
		PST20_T	PST20_T	2	R-011203	
		PST20_W	PST20_W	2	R-005142	
		PT20_T	PT20_T	2	R-005142	
		PT20_S	PT20_S	2	R-004797	
17	STABILIZER KIT	HLU	UT13	1	R-001777	
		HLUS	UST13	1	R-002989	
		HLUR	URT13	1	R-003273	
		HLUS2	US2T13	1	R-003273	
		HLUR2T	UR2T13	1	R-003273	
		UCL	UCLT	1	R-003273	
		UC2, 3, 4	UC#T	1	R-003273	
		FBC	FBT08 or 10	1	R-003273	
		ST NEW	STT13	1	R-003273	
		PST20_T	PST20_T	1	R-010297	
		PST20_W	PST20_W	1	R-008357	
		PT20_T	PT20_T	1	R-001421	
		PT20_S	PT20_S	1	R-001421	
18	KINGPIN BUSHING KIT WITH KINGPIN "A" KINGPIN BUSHING KIT WITHOUT KINGPIN "B"	HLU	UT13	1	A R-001434 kit	B N/A
		HLUS	UST13	X	** SEE NOTE	N/A
		HLUR	URT13	1	R-002916	N/A
		HLUS2	US2T13	1	N/A	R-003270
		HLUR2T	UR2T13	1	N/A	R-003270
		UCL	UCLT	1	N/A	R-003270
		UC2, 3, 4	UC#T	1	N/A	R-003270
		FBC	FBT08 or 10	1	R-010300-2	R-010300-1
		ST NEW	STT13	1	R-010300	R-010300-1
		PST20_T	PST20_T	1	R-005100	N/A
		PST20_W	PST20_W		R-011181	N/A
		PT20_T	PT20_T	X	R-005100	N/A
		PT20_S	PT20_S	X	R-005100	N/A

ITEM 17* R-009580 Ride Height A/B

ITEM 18** HLUS /US Series, serial numbers start with HAUX KIT # R-002916 or 7 digits starting with 4 OR 6 KIT #R-001434.

SEE EXPLOSION BEFORE AND AFTER APRIL 1999.

REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS



ITEM	DESCRIPTION	SUSPENSION SERIES	MODEL PREFIX	QTY.	PART NO.
19	REPLACEMENT KINGPIN	HLU	UT13		W/R-001434 kit
		HLUS	UST13		W/R-002916 kit
		HLUR	URT13	1	W/R-002916
		HLUS2	UR2T13		R-003269
		HLUR2T	UR2T13	2	R-003200
		UCL	UCLT	2	R-003200
		UC2, 3, 4	UC#T	2	R-003200
		FBC	FBT08 or 10	2	R-003200
		ST NEW	STT13	2	R-006303
		PST20_T	PST20_T	2	R-005106
		PST20_W	PST20_W	2	R-011169
		PT20_T	PT20_T		N/A
		PT20_S	PT20_S		N/A
20	DRAW KEY	HLU	UT13	2	W/R-001434 kit
		FBC	FBT08 or 10	2	R-008670
		ST NEW	STT13	2	R-008670
		PST20_T	PST20_T	X	N/A
		PST20_W	PST20_W	2	R-011172
		PT20_T	PT20_T	X	N/A
		PT20_S	PT20_S	X	N/A
21	DRAW KEY NUT	HLU	UT13		W/R-001434 kit
		HLUS	UST13	X	N/A
		HLUR	URT13	X	N/A
		HLUS2	UR2T13	X	N/A
		HLUR2T	UR2T13	X	N/A
		UCL	UCLT	X	N/A
		UC2, 3, 4	UC#T	X	N/A
		FBC	FBT08 or 10	2	N/A
		ST NEW	STT13	2	R-6007FH4FC
		PST20_T	PST20_T	X	N/A
		PST20_W	PST20_W	2	R-011171
		PT20_T	PT20_T	X	N/A
		PT20_S	PT20_S	X	N/A
22	UPPER KINGPIN CONNECTION	HLU	UT13	X	N/A
		HLUS	UST13	X	N/A
		HLUR	URT13	X	N/A
		HLUS2	US2T13	1 EA	R-003260-1/2
		HLUR2T	UR2T13	1 EA	R-003260-1/2
		UCL	UCLT	1 EA	R-003260-1/2
		UC2, 3, 4	UC#T	1 EA	R-003260-1/2
		FBC	FBT08 or 10	1 EA	R-006011-1/2
		ST NEW	STT13	1 EA	R-009692
		PST20_T	PST20_T	X	N/A
		PST20_W	PST20_W	X	N/A
		PT20_T	PT20_T	X	N/A
		PT20_S	PT20_S	X	N/A

NOTE: -1 Driver's Side, -2 Passenger's Side (Typical). Check page 3 for Inboard/Outboard clarification.



REPLACEMENT PARTS FOR AFTERMARKET SUSPENSIONS

ITEM	DESCRIPTION	SUSPENSION SERIES	MODEL PREFIX	QTY.	PART NO.
23	CURRENT KNUCKLE BACKBONE OR ONE PIECE KNUCKLE	HLU	UT13	1 EA	R-002174/75 AFT. 2/18/19
		HLUS	UST13	X	OBSOLETE (needs new US2 axle assy)
		HLUR	URT13	X	OBSOLETE (needs new US2 axle assy)
		HLUS2	US2T13	1 EA	R-003259-1/2
		HLUR2T	UR2T13	1 EA	R-003259-1/2
		UCL	UCLT	1 EA	R-003259-1/2
		UC2, 3, 4	UC#T	1 EA	R-003259-1/2
		FBC	FBT08 or 10	1 EA	R-006578-1/2
		ST NEW	STT13	1 EA	R-010563-1/2
		PST20_T	PST20_T	1 EA	R-005067
		PST20_W	PST20_W	1 EA	R-011158-1/2
		PT20_T	PT20_T	1 EA	R-005067-1/2
		PT20_S	PT20_S	1 EA	R-001436/1437
24	PREVIOUS ONE PIECE KNUCKLE	HLU	UT13	1 EA	R-001615/16 BFOR. 2/17/98
		HLUS	UST13	1 EA	R-002174/75 BFOR. 4/14/99
25	BRAKE WASHERS	HLU	UT13	14	R-6210H2H
		HLUS	UST13	18	R-6210H2H
		HLUR	URT13	18	R-6210H2H
		HLUS2	US2T13	8	R-6210H2H
		HLUR2T	UR2T13	8	R-6210H2H
		UCL	UCLT	8	R-6210H2H
		UC2, 3, 4	UC#T	8	R-6210H2H
26	BRAKE NUTS	HLU	UT13	14	R-6010FH2LC
		HLUS	UST13	14	R-6010FH2LC
		HLUR	URT13	14	R-6010FH2LC
		HLUS2	US2T13	8	R-6010CH2LC
		HLUR2T	UR2T13	8	R-6010CH2LC
		UCL	UCLT	8	R-6010CH2LC
		UC2, 3, 4	UC#T	8	R-6010CH2LC
		FBC	FBT08 or 10	12	R-6014CH2LB
		ST NEW	STT13	6	R-6010FH2LC
27	BRAKE BOLTS	HLU	UT13	14	R-6110C250H4H8
		HLUS	UST13	14	R-6110C250H4H8
		HLUR	URT13	14	R-6110C250H4H8
		HLUS2	US2T13	14	R-6110C250H4H8
		HLUR2T	UR2T13	14	R-6110C250H4H9
		UCL	UCLT	14	R-6110C250H4H10
		UC2, 3, 4	UC#T	14	R-6110C250H4H11
28	LOCK STRAIGHT BOLTS (OPTIONAL)	HLUS2	US2T13	4	R-6110C350H4H8
		HLUR2T	UR2T13	4	R-6110C350H4H9
		UCL	UCLT	4	R-6110C350H4H10
		UC2, 3, 4	UC#T	4	R-6110C350H4H11

NOTE: Review our Tech Pubs or Installation Instructions (H633) and/or call tech services for repair assistance.

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INSTALLATION INSTRUCTIONS

LOAD EQUALIZATION SYSTEM

SUBJECT: COMPOSILITE™ SC, PRIMAAX® EX
and HAS™ SYSTEMS

LIT NO: H730

DATE: November 2011



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INTRODUCTION

The following instructions are intended for the installation of Hendrickson SPIF air kits on vehicles equipped with Hendrickson auxiliary suspensions and primary drive suspensions. Load equalization is one of the many new requirements of the amended SPIF regulations. Please refer to the Amended Ontario Regulation 413/05 for the complete list of requirements to meet the new SPIF regulations.

Hendrickson			
Schedule No.	Primary Suspension	Lift Axle	Load Equalization Kit
23	PRIMAAX EX	COMPOSILITE SCT20	HAC-P23
	PRIMAAX EX		HAC-I23
	HAS		HAC-H23
23 Long Wheel-base Dual Tires	PRIMAAX EX	COMPOSILITE LKP20	HAC-P23L
	HAS		
21	PRIMAAX EX	COMPOSILITE SCT13	HAC-P21
	HAS		HAC-H23

NOTE: Read the entire installation instructions thoroughly before proceeding with an air kit installation.

For additional information concerning air kit selection, contact the Hendrickson Customer Service Department at 800-660-2829.

Alteration of an air kit or other suspension components is not permitted.

It is the responsibility of the installer to ensure proper installation and calibration by verifying load proportioning. Any installation deviations must be approved, in writing, by Hendrickson's Product Engineering Department. Failure to comply with any of the above will void the warranty.

STANDARD COMPONENTS

PRIMAAX/HAS primary suspensions – (1) pressure protection valve and (1) quick release valve for a single lift axle application.

BRAKE DEACTIVATION VALVE

A pilot valve used to allow auxiliary axle brakes (part # R-001994) to normally apply when the suspension is in the "DOWN" position. However, when the auxiliary axle is in the "UP" position, the brakes are released to eliminate hang-ups during high centering and to conserve system air pressure.

PRE-INSTALLATION SAFETY PRECAUTIONS

The warnings and cautions should be read carefully to help prevent personal injury and to assure that proper methods are used. Improper maintenance, service or repair may damage the vehicle, cause personal injury, render the vehicle unsafe in operation, or void manufacturer's warranty. Failure to follow the safety precautions in this manual can result in personal injury and/or property damage. Carefully read and understand all safety related information within this publication, on all decals and all such materials provided by the vehicle manufacturer before conducting any maintenance, service or repair.

⚠ WARNING: ELECTRICAL ENERGY CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. DISCONNECT THE VEHICLE'S BATTERY BEFORE CONDUCTING WORK ON ANY PART OF THE VEHICLE'S ELECTRICAL SYSTEM.

⚠ WARNING: STORED AIR PRESSURE CAN CAUSE SEVERE PERSONAL INJURY AND COMPONENT DAMAGE. RELEASE ALL PRESSURE FROM AIR SPRINGS, AIR LINES AND OTHER APPLICABLE COMPONENTS BEFORE CONDUCTING WORK ON ANY PART OF THE VEHICLE'S AIR SYSTEM. WEAR PROPER EYE PROTECTION AT ALL TIMES.

⚠ WARNING: DO NOT MODIFY OR REWORK PARTS. DO NOT USE SUBSTITUTE PARTS OF THE SUSPENSION OR AXLE COMPONENTS. USE OF A MODIFIED OR REPLACEMENT PARTS NOT AUTHORIZED BY HENDRICKSON MAY NOT MEET HENDRICKSON'S SPECIFICATIONS, AND CAN RESULT IN FAILURE OF THE PART, LOSS OF VEHICLE CONTROL, AND POSSIBLE PERSONAL INJURY OR PROPERTY DAMAGE. USE ONLY HENDRICKSON AUTHORIZED REPLACEMENT PARTS. DO NOT MODIFY PARTS WITHOUT AUTHORIZATION FROM HENDRICKSON.

⚠ WARNING: PERSONAL PROTECTIVE EQUIPMENT: ALWAYS WEAR PROPER EYE PROTECTION AND OTHER REQUIRED PERSONAL PROTECTIVE EQUIPMENT TO HELP PREVENT PERSONAL INJURY WHEN YOU PERFORM

VEHICLE MAINTENANCE, REPAIR OR SERVICE.

INSTALLATION INSTRUCTIONS

1. Follow installation schematic for your air control.
2. Mount the control box in a location outside the cab allowing the panel to open with access to the push/pull knob; no inside function permitted
3. Support one of the drive axles with a jack to raise one set of the tires on the driver's side off the ground

NOTE: The sensor must be installed on a non-lifting axle with an ABS tone ring on the hub

4. Remove the wheels, brake drum, and brake shoes from the supported axle end
5. Secure the Sensor Bracket to the axle with the Clamp Band torquing the fastener to 9.0 +/- 1.5 ft-lbs



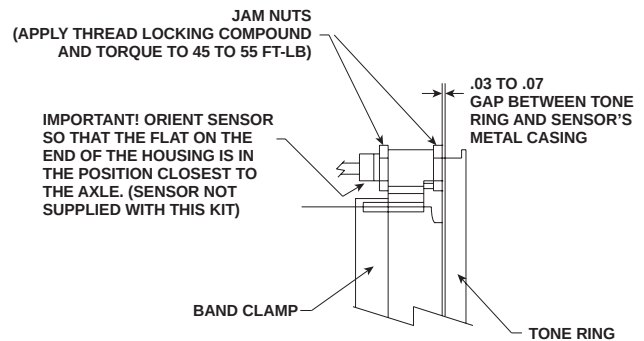
6. Remove the spacer from the end of the direction sensor. Install the reverse Module ABS sensor in either the lift axle or an available port in the primary suspensions.
7. Route the sensor through the brake spider and into the sensor bracket with a jam nut on each side



NOTE: The deflection sensor cable is not shielded and can be cut and reconnected if required for routing

8. Orient the sensor so that the flat is positioned closest to the axle and the sensor is .030 -.070 from the tone ring

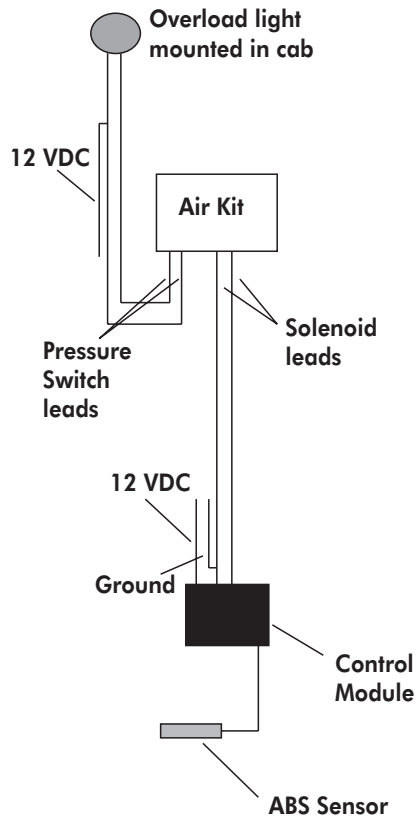
9. Apply a thread locking compound and torque the jam nuts to 45-55 ft-lbs



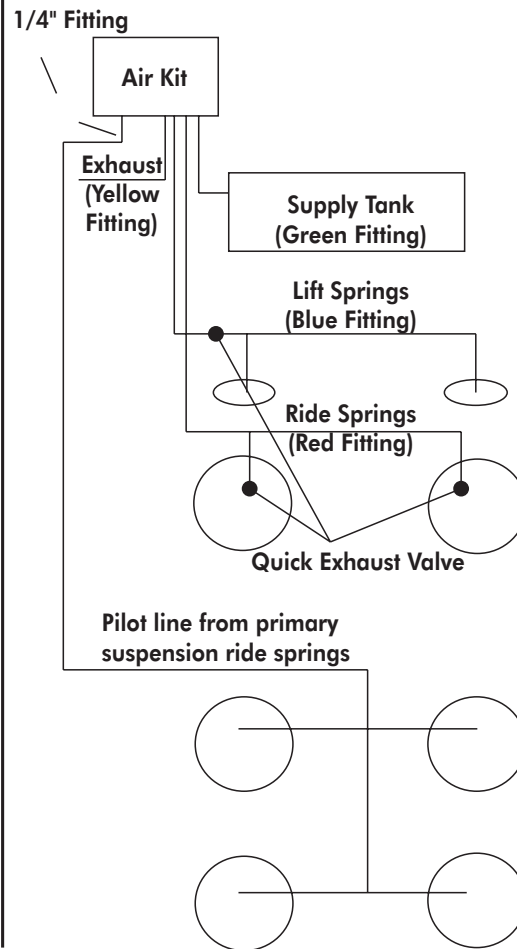
10. Connect the Reverse Module to the sensor cable
 11. Mount the Reverse Module to the inside of the frame rail
 12. Verify the direction sensor and Reverse Module are connected properly:
 - a. Turn on the 12 VDC power source to the Reverse Module
 - b. Probe the red and black leads on the wire harness with a volt meter
 - c. Rotate the hub with the sensor installed to simulate a vehicle reverse
 - d. When the hub has turned ¼ turn the volt meter should read 12 VDC
 - e. When hub has turned 8 full turns forward the volt meter should read 0 VDC
 13. Connect the blue Reverse Module wire to a 12 VDC power source
 14. Connect the white Reverse Module wire to ground
 15. Connect the red Reverse Module wire to one of the Solenoid Leads
 16. Connect the black Reverse Module wire to the other Solenoid Leads
 17. Connect the wire harness to the Reverse Module
- NOTE: Wire harness leads may need to be extended to reach the Reverse Module
18. Mount the overload light inside the cab
 19. Connect the wire leads from the pressure switch to the overload light
 20. Connect a 12 VDC power source to one of the wires to the light
 21. Plumb the lift axle to the control box
 22. For suspensions with lock straight: Plumb the lock straight chambers into the lift spring line

Continued on page 4.

Wiring Schematic

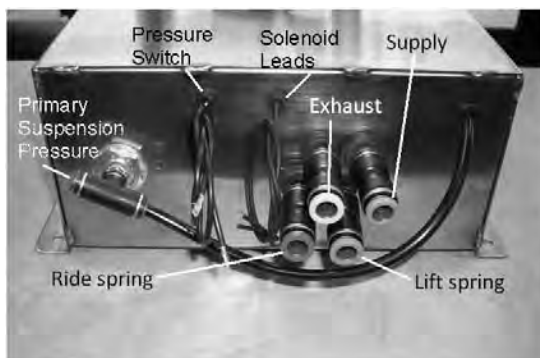


Plumbing Schematic



Green fitting (3/8") connects to the supply tank.
 Blue fitting (3/8") connects to the lift springs
 Red fitting (3/8") connects to the ride springs.
 Yellow fitting (3/8") connects to the exhaust ports (for lift bags).
 Black fitting (1/4") connects to the primary drive suspension between the height control valve and the primary drive suspension air springs.

NOTE: All fittings are push-to-connect.



LOAD VERIFICATION

NOTE: The truck must be loaded to near the legal GVWR limit to complete this process.

1. Position the truck such that the lift axle and primary drive axles are on separate scales.
2. Scale the axles individually to verify the load is proportioned within the limits (+/- 500 kg) allowed by regulations.

NOTE: Hendrickson recommends you also scale the front steer axle to ensure that it meets the minimum load requirements (23% of the total vehicle weight on Schedule 23 trucks, 19% of the total vehicle weight on Schedule 21 trucks). It is the responsibility of the installer to ensure the truck is capable of achieving proper weight distribution.



INSTALLATION TIPS

⚠ CAUTION: Use a filter rated to at least 40 micron. Anything less could be detrimental to the air control panel.

1. Use only air brake tubes that conform to S.A.E. J844 and ensure all tubes are free from kinks.
2. Ensure that the minimum bend radii are achieved on all tubes prior to assembly.
Recommended minimum radii:
1/4" Tube – 1,000 inches
3/8" Tube – 1,500 inches
3. Use only dedicated tube cutters when preparing tube ends for insertion into push-in fittings.
4. Ensure tube ends are square, free from all damage, and clean.
5. Ensure tube is fully inserted into fittings (tube ends are pushed past both the grip ring and the sealing O-ring).
6. Ensure fitted panels have enough free length of tube to ensure the tube in the fittings is not under any tension.
7. Crimp wires for all electrical connections into the butt connectors provided using an appropriate crimp tool.
8. Ensure there is sufficient free electrical cable to prevent wires and connections from being under tension.

INSTRUCTIONS FOR SUSPENSION OPERATION

Raising Your Lift Axle

1. If vehicle is already running, please proceed to #6.
2. Set parking brake of truck.
3. Turn your vehicle ignition to on position.
4. Press start switch and release when engine is started.
5. Allow truck to idle until the air pressure has reached compressor cut-out pressure (usually 120 psi).

⚠ WARNING: DO NOT RAISE OR LOWER YOUR LIFT AXLE IF TRUCK IS MOVING IN EXCESS OF 15 MPH. ASSURE AREA SURROUNDING LIFT AXLE IS CLEAR OF ANY OBSTRUCTIONS.

6. Assure vehicle is stopped and parking brake is set. Exit vehicle, go to air control enclosure and open it. Move the control valve's lever to the up position.
7. Visually confirm the axle is lifting.

NOTE: Vehicle system air pressure may drop during suspension lifting process.

8. Axle should be completely lifted when truck's air pressure returns to the air compressor cut-out point (usually 120 psi).
9. It is recommended to raise the lift axle when not in use.

Lowering Your Lift Axle

1. If vehicle is already running, please proceed to #6.
2. Set parking brake of truck.
3. Turn your vehicle ignition to on position.
4. Press start switch and release when engine has started.
5. Allow truck to idle until the air pressure has reached compressor cut-out (usually 120 psi).
6. Assure vehicle is stopped and parking brake is set. Exit vehicle, go to air control enclosure and open it. Move the control valve's lever to the down position.
NOTE: Air system pressure may drop during suspension lowering process.
7. Axle should be completely lowered and supporting pre-determined load when system air compressor cut-out point is reached (usually at 120 psi).



NOTES:

Notes section containing 30 horizontal lines for writing.

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