

PARTS LIST

HAULMAAX® EX 40K • 46K • 52K Rear Rubber Suspension

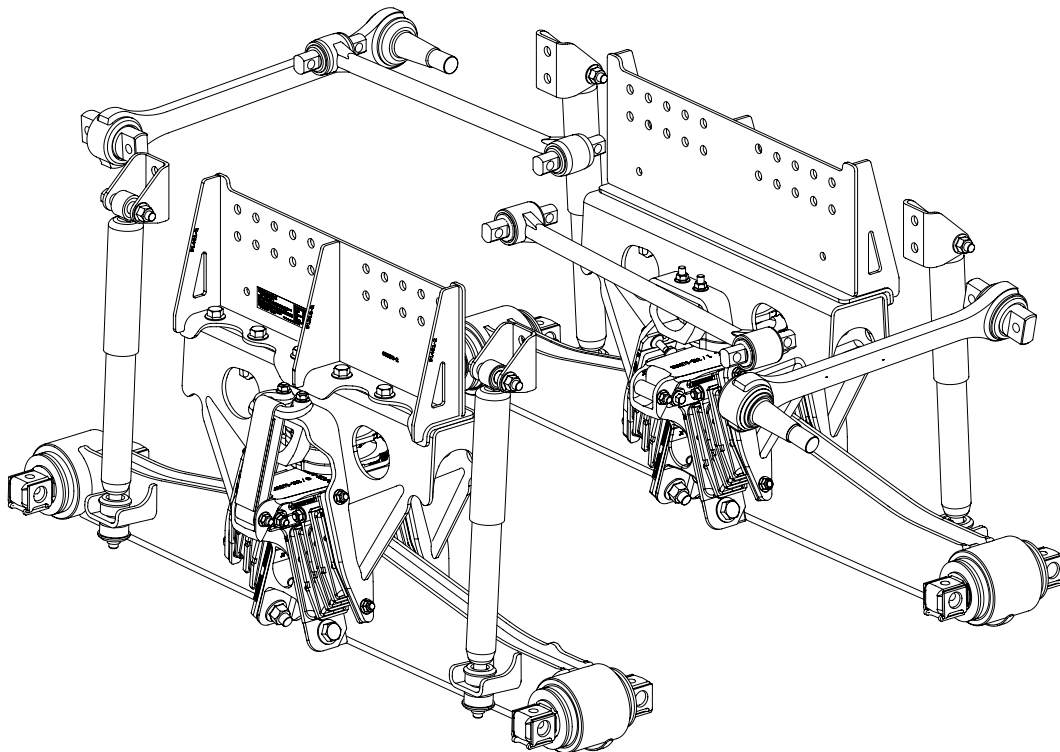
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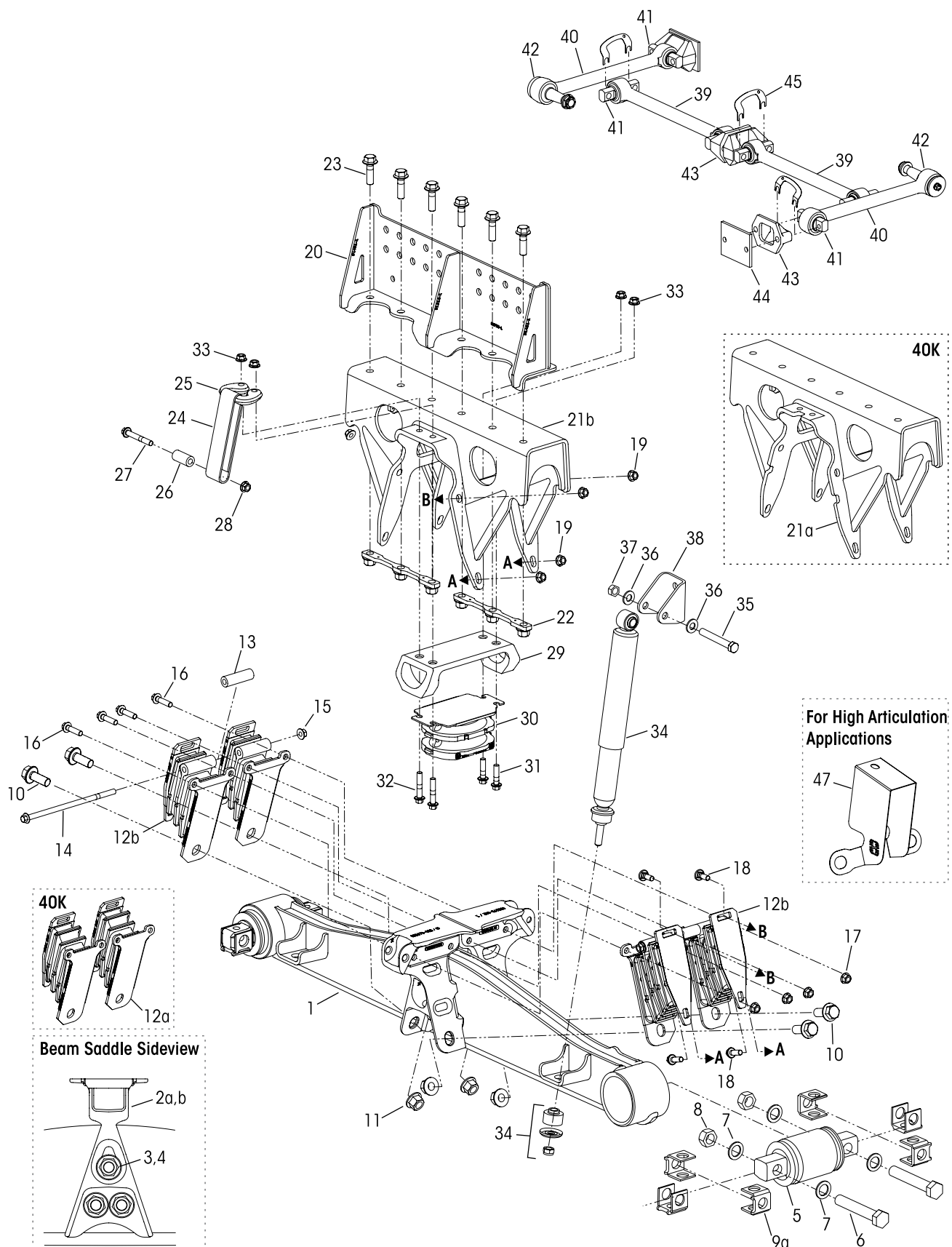
DATE: June 2021

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			VEHICLE				VEHICLE
KEY NO.	PART NO.	DESCRIPTION	QTY.	KEY NO.	PART NO.	DESCRIPTION	QTY.
1		Equalizing Beam Assembly with Beam Saddle, Includes Key No. 5, See Aftermarket Equalizing Beam with Rotatable Bar Pin Selection Guide on Page 5	2			**Rebound Strap Service Kits, See Page 6	
	34013-417	Single Equalizing Beam Saddle Service Kit, Includes Key Nos. 2a, 2b, 3-4			34013-354	One Side, 40K•46K Vehicles Originally equipped with One Strap	
2		*Inboard & Outboard Equalizing Beam Saddle	2		34013-355	One Side, 52K Vehicles Originally equipped with Dual Straps	
a		Inboard			34013-363	Aftermarket Dual Strap Enhancement	
b		Outboard		24		*Rebound Strap	
3		*M20 x 1.5 x 110 mm Heavy Hex Flange Screw	6	25		*Rebound Bracket	
4		*M20 x 1.5 Flange Nut	6	26		*Rebound Spacer	
		Bar Pin End Bushing Service Kit, One Wheel End, Includes Key Nos. 5-9a		27		*M12 x 1.75-6G x 90 mm Flange Bolt	
	34013-088L	Shim Type		28		*M12 x 1.75 Flange Nut	2
	34013-188L	Rotating, Shim Type		29	77234-090	Jounce Stop	2
5		*Bar Pin End Bushing	4			Single Progressive Load Spring Service Kit	
	34013-104	Bar Pin End Bushing Fastener Kit, One Wheel End, Includes Key Nos. 6-8			34013-358	Originally equipped with One Strap, Includes Key Nos. 30-33	
6		*1"-8 UNC x 6" Hex Bolt	8		34013-364	Originally equipped with Dual Straps, Includes Key Nos. 30, 32-33	
7		*1" Hardened Washer	16	30	80329-070	Progressive Load Spring	2
8		*1"-8 UNC Locknut	8	31		*M12 x 1.75-6G x 50 mm Flange Bolt	
9		Bar Pin Shim	8	32		*M12 x 1.75-6G x 65 mm Flange Bolt	
a	50131-000	0.25"/0.12" Standard		33		*M12 x 1.75 Flange Nut	
b	50130-000	0.19"/0.19" Optional				Single Shock Absorber Service Kit, (if equipped)	
c	57026-000	0.375" Optional flat shim			64178-005	16½" Saddle Height, Includes Key Nos. 34a-37	
		Bolster Spring Service Kits			64178-006	17½" Saddle Height, Includes Key Nos. 34b-37	
	34013-356	Two Bolster Set, Includes Key Nos. 10-11, 12a, 16-19			64178-035	18¼" & 18½" Saddle Height, Includes Key Nos. 34c-37	
	34013-357	Tie Bar Bolsters Set, Includes Key Nos. 10-11, 12b, 13-19			64178-036	20½" Saddle Height, Includes Key Nos. 34d-37	
10	67749-050	M20 x 1.5-6G x 50 mm Flange Bolt	8			Aftermarket Shock Absorber Kit, for vehicles built with equalizing beams without shock absorber mounts, see Page 5	
11	67745-000	M20 x 1.5 Flange Nut	8	34		Shock Absorber (if equipped)	4
12		*Bolster Springs	8			For Saddle Height see Figure 1 on Page 7	
a		40K		a	60680-004L	16½" Saddle Height	
b		46K • 52K Tie-Bar		b	60680-005L	17½" Saddle Height	
13		*Tie-Bar Bolster Spring Spacer	4	c	60680-009L	18¼" & 18½" Saddle Height	
14		*M12 x 1.75-6G x 270 mm Flange Bolt	4	d	60680-010L	20½" Saddle Height	
15		*M12 x 1.75 Flange Nut	4	35		*5⁄8"-11 UNC x 4½" Hex Bolt (if equipped)	4
16	68973-050	M12 x 1.75-6G x 50 mm Flange Bolt	8	36		*5⁄8" Hardened Washer (if equipped)	8
17	68974-000	M12 x 1.75 Flange Nut	8	37		*5⁄8"-11 UNC Locknut (if equipped)	4
18	78875-035	M12 x 1.75-6G x 35 mm Round Head Square Neck Bolt	16	38	60304-000	Upper Shock Bracket (if equipped)	4
19	68974-000	M12 x 1.75 Flange Nut	16	39		One-piece Longitudinal Torque Rod Assembly, Straddle/Straddle, Specify Length in mm	2
20		Frame Hanger, See Selection Guide on Page 3 and for Saddle Height see Figure 1 on Page 7	2		6200X-XXX	ULTRA ROD®, Includes Key No. 41	
		Frame Saddle Service Kits, One Side			82XX-XXXX-XXX	****TRAAX ROD® (Optional)	
	34013-359	40K Includes Key Nos. 18, 19, 21a, 22-23, 31-33		40		***One-piece Transverse Torque Rod Assembly, Straddle/Taper	2
	34013-360	46K•52K, Includes Key Nos. 18, 19, 21b, 22-23, 31-33			62350-XXX	40K Only, ULTRA ROD, Includes Key Nos. 41-42	
	34013-361	52K, Includes Key Nos. 18, 19, 21b, 22-23, 32-33			82XX-XXXX-XXX	****46K • 52K - TRAAX ROD, Specify Length in mm	
21		*Frame Saddle	2	41	47691-000L	Straddle Bushing	6
a		40K		42	64697-000L	Taper Bushing	2
b		46K•52K		43	22186-000	Torque Rod Frame Bracket	4
	34013-362	Frame Saddle to Hanger Fastener Service Kit, One Side, Includes Key Nos. 22-23		44	45045-003	Back-up Plate (for Torque Rod)	4
22		*Saddle Fastener Plate	4	45	49689-000L	Torque Rod Shim	As Req.
23		*M16 x 1.5 -6G x 50 mm Flange Bolt	12	46	70867-001	P-80 Lubricant - 10 ml (Not Shown) per Bushing	1
					34013-413	Aftermarket Shield Plate Service Kit, for High Articulation Applications, see Page 7	
				47	75977-002	Shield Plate	4

NOTES: * Item included in assembly or service kit only, part not sold separately.

** The HAULMAAX EX 52K capacity suspensions are equipped with dual rebound straps per equalizing beam, while the 40K•46K capacity suspensions have a single rebound strap.

*** Transverse torque rods are mandatory for the HAULMAAX EX suspensions regardless of axle spacing, see Hendrickson Literature Nos. 59310-004 and 59310-058 for more information.

**** TRAAX ROD bushings are non-serviceable, the entire torque rod assembly requires replacement, visit www.traaxrods.com for more information.

Hendrickson Lit. No. 48422-624 – HAULMAAX EX Gauge Card can be obtained on-line at www.hendrickson-intl.com/Litform.

■ Frame Hanger Selection Guide

Key No. 20		Saddle to Frame Hanger Fastener Service Kit 34013-362 is used for all configurations below.					
OEM	Capacity	Frame Width	Ride Height		♦Saddle Height	Axle Drop	Frame Hanger Part Number
AUTOCAR	40K • 46K	34.37	8.5		15.5		91816-204
			9.5		16.5		91816-205
			10.5		17.5		91816-206
			11.5		18.5		91816-208
	52k	34.37	9.5		17.25	7.75"	93833-040
INTERNATIONAL TRUCK	40K • 46K	34.25"	9.5"		16.5"	7"	91742-040
			13.25"		20.5"		91744-120
		34.50"	9.5"		16.5"		91742-240
			13.25"		20.5"		91744-320
	46K	34.80"					91744-520
		34.80"	9.5"		16.5"		91742-440
		34.25"					91744-060
	52K	34.50"	10.5"		17.5"		91744-260
		34.80"					91744-460
			13.25"		20.5"		91744-520
FREIGHTLINER	40K	34.31"	8.5"		15.5"	7"	91816-204
			13.5"		20.5"		91818-209
		34.56"	8.5"		15.5"		91816-304
			13.5"		20.5"		91818-309
	40K•46K	34.31"	9.5"		16.5"		91816-205
			10.5"		17.5"		91816-206
		34.56"	9.5"		16.5"		91816-305
			10.5"		17.5"		91816-306
	46K	34.31"					91816-208
		34.56"	11.5"		18.5"		91816-308
							91818-206
	52K	34.31"			17.5"		91818-207
		34.56"	10.5"		18.25"	7.75"	91818-207
					17.5"	7"	91818-306
					18.25"	7.75"	91818-307
KENWORTH PETERBILT	40K•46K	34"	8.5"		15.5"	7"	91740-020
			9.5"		16.5"		91740-040
			10.5"		17.5"		91740-060
			11.5"		18.5"		91740-080
			13.5"		20.25"		91740-115
			15.5"		22.5"		91740-160
	46K	34.75"	11.5"		18.5"		91740-280
	52K	34"	9.5"		16.5"		91740-040
			10.5"		17.5"		91740-060
			11.5"		18.5"		91740-080
MACK	40K	33.40"	7.875"		14.875"	7"	93788-101
	Capacity	♦♦♦Frame Width	♦♦♦Ride Height	♦♦GWH	♦Saddle Height	Axle Drop	Frame Hanger Part Number
WESTERN STAR	40K • 46K	850-856 mm	8.96" - 9.63"		16.29"	7"	91750-001
			10.14" - 10.81"		17.47"		91750-002
		860-864 mm	8.96" - 9.63"		16.29"		91750-101
					17.47"		91750-102
	52K	850-856 mm	10.14" - 10.81"		17.47"	7.75"	91752-002
					18.22"		91752-003
		860-864 mm			17.47"		91752-102
					18.22"		91752-103

NOTES ♦ Used to determine saddle height dimension, see Figure 1 on Page 7.

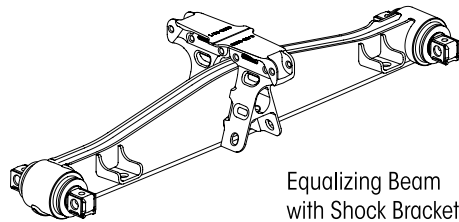
♦♦ GWH (Global Wheel Height) used only by Western Star.

♦♦♦ Western Star frame width and ride height are dependent on the frame thickness (8 mm through 15 mm).

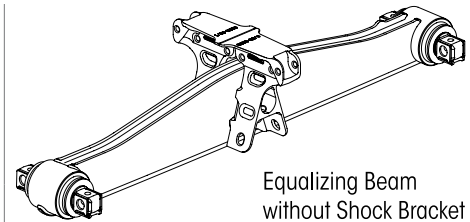


■ Aftermarket Equalizing Beam Assemblies with Rotatable Bar Pin End Bushings

Single Equalizing Beam
Saddle Service Kit
34013-417



Equalizing Beam
with Shock Bracket



Equalizing Beam
without Shock Bracket

Key No. 1			
Capacity	Beam Length	Part Number with Rotatable Bar Pins	Part Number with Rotatable Bar Pins
40K • 46K	52"	91373-520R	91373-521R
	54"	91373-540R	91373-541R
	60"	91373-600R	91373-601R
46K	72.5"	91373-725R	91373-726R
52K	52"	91383-520R	91383-521R
	54"	91383-540R	91383-541R
	60"	91383-600R	91383-601R

■ Aftermarket Service Kits

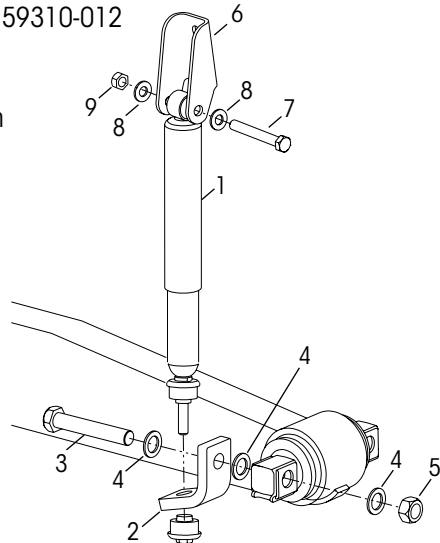
Aftermarket Shock Absorber Service Kits

Service Kit Nos.	Saddle Height	Tandem Set
64178-003	16½"	For equalizing beams not equipped with lower shock mount
64178-004	17½"•18¼"•18½"	
64178-033	20¼"•20½"	
64178-009	16½" Mack	

Reference Lit. No. 59310-012

NOTE:

Not available with
315 mm tires

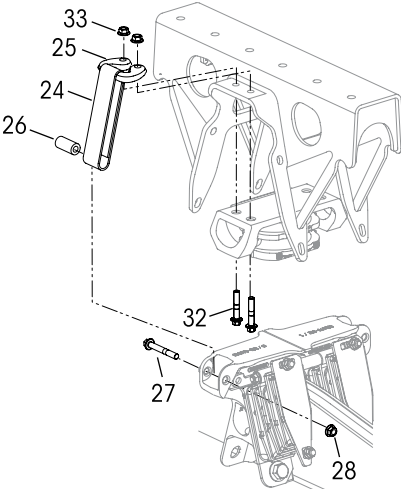


KEY NO.	PART NO.	DESCRIPTION	KIT QTY.
Shock Absorber Service Kit, Tandem Set <i>For Saddle Height see Figure 1 on Page 7</i>			
	64178-003	16½" Saddle Height, Includes Key Nos. 1a, 2a-b, 3-9	
	64178-004	17½"•18¼"•18½" Saddle Height, Includes Key Nos. 1b, 2a-b, 3-9	
	64178-009	16½" Saddle Height - Mack Only, Includes Key Nos. 1c, 2c, 3-9	
	64178-033	20¼"•20½" Saddle Height, Includes Key Nos. 1d, 2a-b, 3-9	
1		Shock Absorber Assembly	4
a	60680-004L	16½" Saddle Height	
b	60680-005L	17½"•18¼"•18½" Saddle Height	
c	60680-006L	16½" Saddle Height, Mack Only	
d	60680-010L	20¼"•20½" Saddle Height	
2		Lower Shock Bracket	
a	64148-001	Front	2
b	64148-002	Rear (Not Shown)	2
c	64835-000	Mack Only, Front and Rear (Not Shown)	4
3		*1"-8 UNC x 7" Hex Bolt,	4
4		*1" Hardened Washer	12
5		*1"-8 UNC Locknut	4
6	64146-000	Upper Shock Bracket	4
7		*5⁄8"-11 UNC x 4½" Hex Bolt	4
8		*5⁄8" Hardened Washer	8
9		*5⁄8"-11 UNC Locknut	4



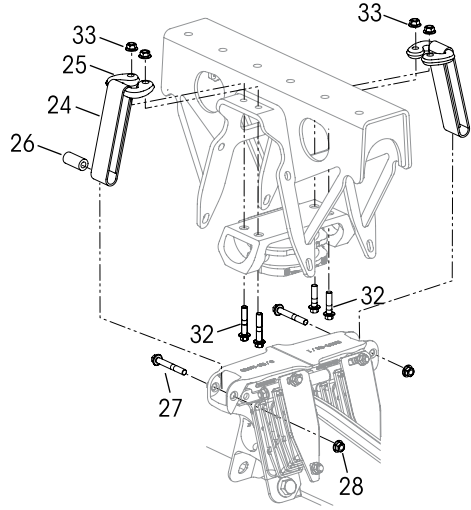
■ Single and Dual Rebound Straps

Service Kit No. | One Side, 40K•46K
34013-354 | Single Rebound Strap for
Includes Key Nos. | vehicles originally equipped
24-28, 31-33 | with one rebound strap



Key Nos.	Quantity Per Vehicle	Quantity Per Kit
24-28	2	1
32	4	2
33	8	4

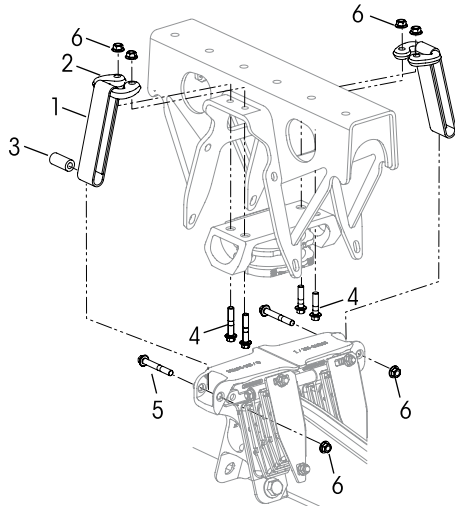
Service Kit No. | One Side, 52K
34013-355 | Dual Rebound Straps for
Includes Key Nos. | vehicles originally equipped
24-28, 32-33 | with dual rebound straps



Key Nos.	Quantity Per Vehicle	Quantity Per Kit
24-28	4	2
32	8	4
33	8	4

Aftermarket Dual Rebound Strap Enhancement Kit

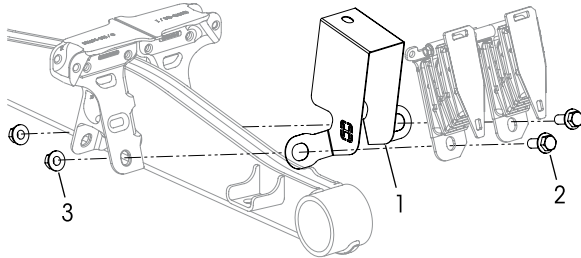
Service Kit No. | Aftermarket Dual Rebound Strap
34013-363 | Conversion Vehicle Set



KEY NO.	PART NO.	DESCRIPTION	KIT QTY.
	34013-363	Aftermarket Dual Rebound Strap Enhancement Kit, Tandem Set, Includes Key Nos. 1-6	
1		*Rebound Strap	4
2		*Rebound Bracket	4
3		*Rebound Spacer	4
4		*M12 x 175-6G x 65 mm Flange Bolt	8
5		*M12 x 175-6G x 90 mm Flange Bolt	4
6		*M12 x 175 Flange Nut	12

**Aftermarket Shield Plate Service Kit**

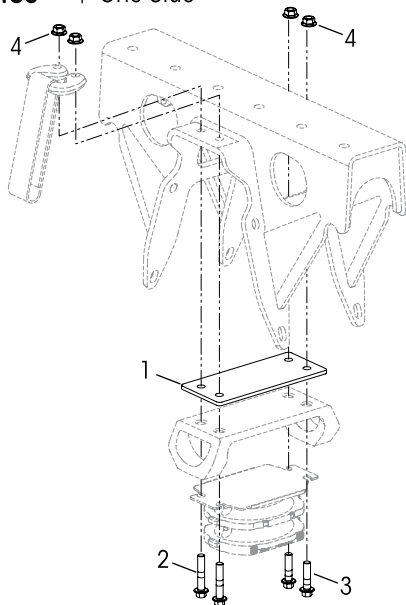
Service Kit No. | **Aftermarket Shield Plate**
34013-413 | **for High Articulation Applications**



KEY NO.	PART NO.	DESCRIPTION	KIT QTY.
	34013-413	Aftermarket Shield Plate Service Kit, Tandem Set for High Articulation Applications, Includes Key Nos. 1-3	
1		*Shield Plate	4
2		*M20 x 1.5-6G x 50 mm Flange Bolt	8
3		*M20 x 1.5 Flange Nut	8

Weight Bias Shim Service Kit

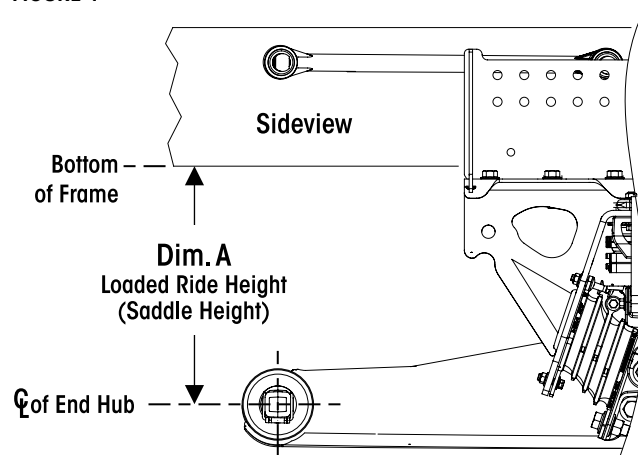
Service Kit No. | **Weight Bias Shim Service Kit**
34013-430 | **One Side**



KEY NO.	PART NO.	DESCRIPTION	KIT QTY.
	34013-430	Weight Bias Shim Service Kit, One Side, Suitable for Single or Dual Rebound Strap, Includes Key Nos. 1-4	
1		*¼" Load Bias Shim	2
2		*M12 x 1.75-6G x 80 mm Flange Bolt	4
3		*M12 x 1.75-6G x 65 mm Flange Bolt <i>for inner single strap use only</i>	2
4		*M12 x 1.75 Flange Nut	4

Contains various sized fasteners to accommodate different suspension configurations. One or two shims can be installed dependant on the vehicle weight bias. Refer to the table below for fastener selection.

	¼" Shim Qty.	M12 Bolt Size	¼" Shim Qty.	M12 Bolt Size
No Rebound Strap	1	50 mm	2	65mm
Rebound Strap Installed		80 mm		80 mm

FIGURE 1

■ Special Tools

BAR PIN END BUSHING TOOLS

INSTALLATION TOOLS

Hendrickson Part No. 66086-103

OTC Part No. 1757 Visit otctools.com

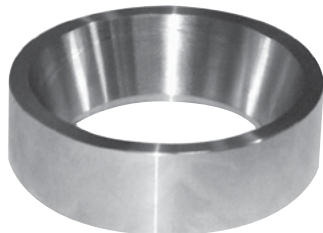


Special tooling is required to service the bar pin end bushings. Hendrickson part number 66086-103 tool is used with the equalizing beam removed from the truck, and in conjunction with OTC No. 51100 press plate and a 100-ton hydraulic shop press.

TORQUE ROD FUNNEL TOOL

ULTRA ROD

Hendrickson Part No. 66086-001L



REMOVAL TOOLS

Hendrickson Part No. 66086-104

OTC Part No. 206457 Visit otctools.com



Hendrickson Part No. 66086-105

OTC Part No. 302030 Visit otctools.com



This is a general parts list to provide directional information. Components may vary by model. Questions in regards to parts, contact Hendrickson Truck Parts at 1.866.755.5968 (Toll-free U.S. and Canada), 630.910.2800 (Outside U.S. and Canada) or email: truckparts@hendrickson-intl.com.

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

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.

Call Hendrickson at 1.866.755.5968 (toll-free) or 1.630.910.2800 for additional information.



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