

H PARTS LIST

HN® VariRate® Spring Rear Suspension System

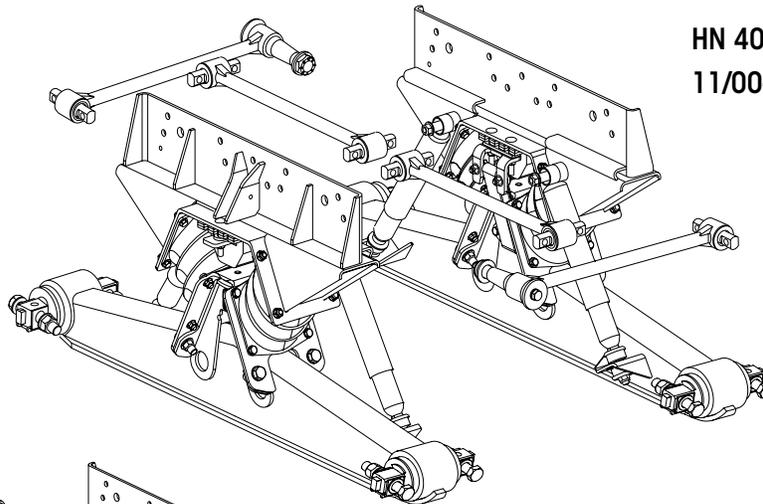
LIT NO: SP-212

DATE: November 2025

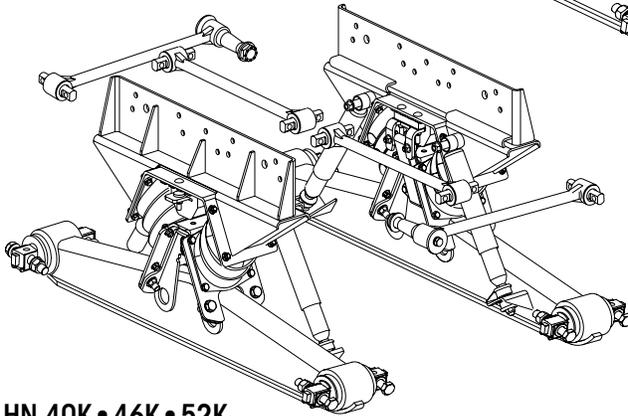
REVISION: G

CONTENTS

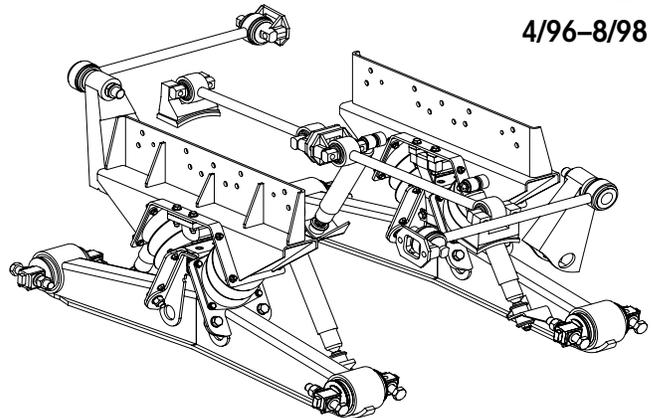
DESCRIPTION	PAGE	DESCRIPTION	PAGE
Parts Lists HN® 40K • 46K • 52K lb Capacity		Notes	5
■ Vehicles built after November 2000	2	Special Tools	8
■ Vehicles built between September 1998 to November 2000	4		
■ Vehicles built between April 1996 to August 1998	6		



HN 40K • 46K • 52K
11/00–Current



HN 40K • 46K • 52K
9/98–11/00

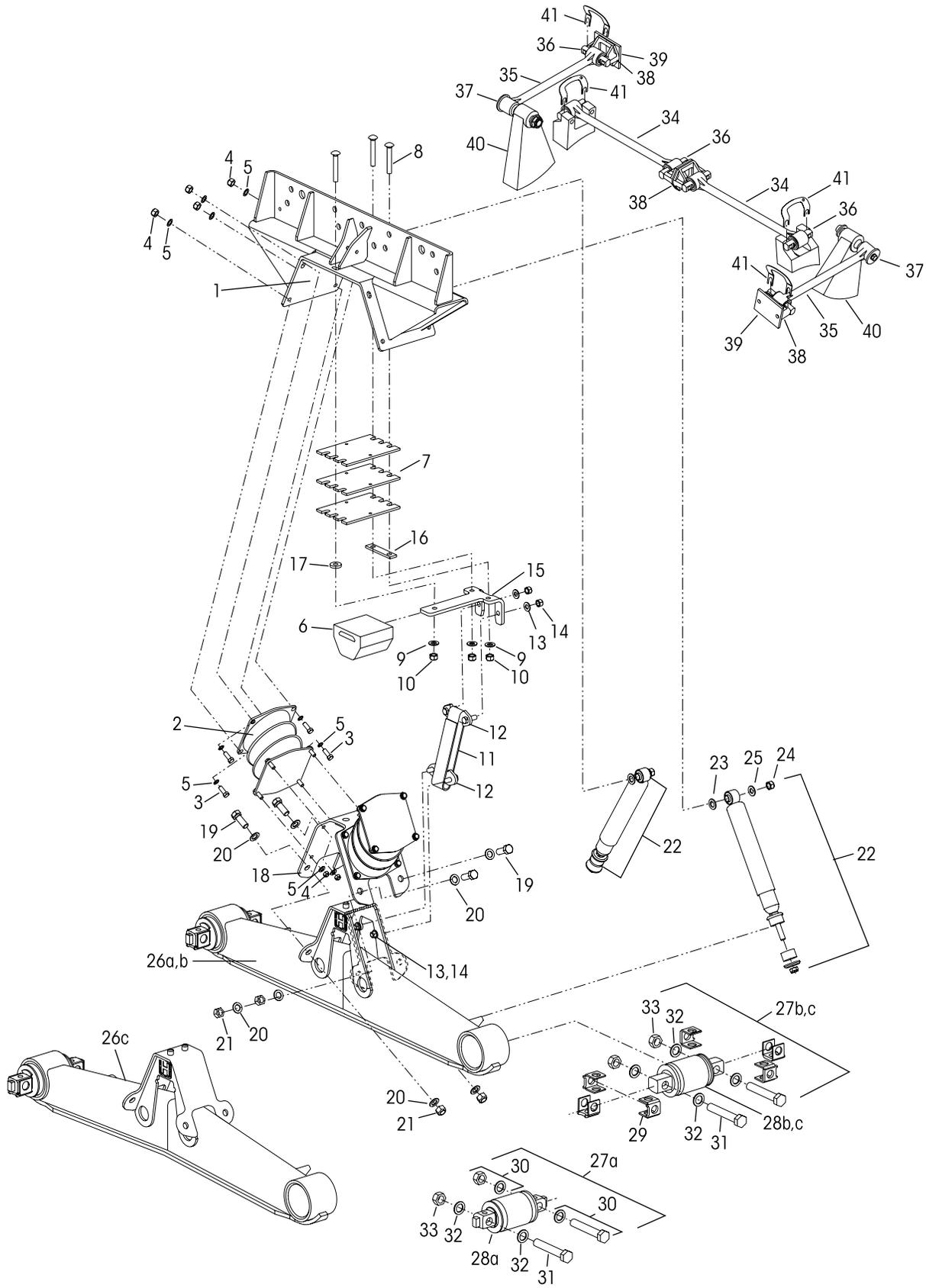


HN 40K • 46K • 52K
4/96–8/98



HN 40K • 46K • 52K lb Capacity

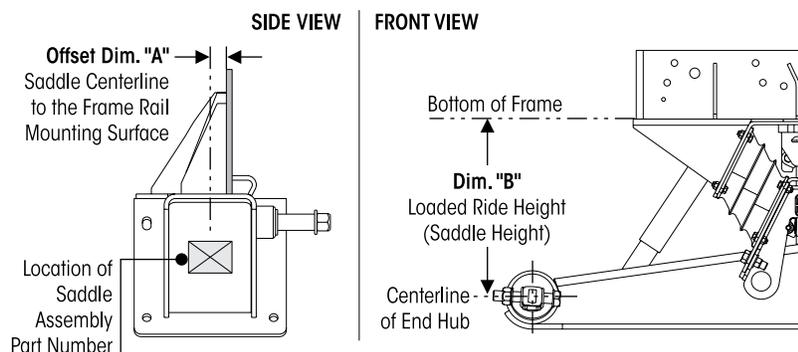
Vehicles built after November 2000





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Saddle Assembly, Includes Key Nos. 2-18 <i>See Figure 1 below to identify Part No.</i>	2	c	57889-004	40K, 52" Non-Shim Type	
	95409-XXX	16½", 17½" or 18½", Replaces 60686-OXX			57889-005	40K, 52" Shim Type	
	95410-XXX	20¼" or 22½", Replaces 58650-OXX			57889-001	40K, 54" Non-Shim Type	
	60879-000L	Bolster Spring Service Kit, One Set, (2 pc) Includes Key No. 2			57889-002	40K, 54" Shim Type	
2		*Bolster Spring	4	27		Bar Pin End Bushing Service Kit, One Wheel End,	
	34013-462	Bolster Spring Fastener Service Kit, One Side, Includes Key Nos. 3-5		a	34013-087L	Non-Shim Type, 28a, 30	
3	25114-011	⅞"-20 UNF x 1 ¼" Bolt	32	b	34013-088L	Shim Type, Includes Key No. 28b, 29a-30	
4	48949-000	⅞"-20 UNF-2B Locknut	32	c	34013-188L	Rotating, Shim Type, 28c, 29a-30	
5	22962-027	⅞" Washer	64	28		*Bar Pin End Bushing	4
6	60314-000	Auxiliary Load Spring	2	a		Non-Shim Type	
7	58960-003L	Auxiliary Load Spring Shim	6	b		Shim Type	
8	58196-006	½"-13 UNC x 2¾" Round Head Square Neck Bolt <i>Replaces 58196-005</i>	6	c		Rotating, Shim Type	
9	22962-011	½" Washer	6	29		Bar Pin Shim	8
10	49846-000	½"-13 UNC-2A Locknut	6	a	50130-000	⅜" • ⅜" Standard	
11	57878-003	Rebound Strap	2	b	50131-000	¼" • ⅛" Optional	
	60639-000	Anchor Plate Assembly, Includes Key Nos. 12-14	4	c	57026-000	⅜" Optional flat shim	
12		*Anchor Plate	4	30	34013-104	Bar Pin End Bushing Fastener Kit, One Wheel End, Includes Key Nos. 31-33	
13		*½" Washer	8	31	48941-000	1"-8 UNC x 6" Hex Bolt	8
14		*½"-13 UNC-2A Locknut	8	32	22962-008	1" Hardened Washer	16
15	58948-001	Auxiliary Load Spring Mounting Plate	2	33	48942-000	1"-8 UNC Locknut	8
16	58949-000	Auxiliary Load Spring Mounting Plate Shim (Inboard - ¼" thick)	2	34		**One-piece Longitudinal Torque Rod Assembly, Straddle/Straddle, Specify Length in mm ULTRA ROD®, Includes Key No. 36	
17	22962-020	Outboard Spacer (¼" thick)	2		62000-XXX	Front	1
18	58343-001	Saddle Vee Bracket	2		62001-XXX	Rear	1
		Vee Bracket Fastener Service Kits,			8240-00XX-XXX	****TRAAX ROD®, Replaces 72000-XXX and 72001-XXX	2
	58440-001	One Side, Includes Key Nos. 19-21		35		***One-piece Transverse Torque Rod Assembly, Straddle/Taper, Specify Length in mm	2
	58440-002	Axle Set, Includes Key Nos. 19-21			62350-XXX	ULTRA ROD, Includes Key Nos. 36-37	
19	50764-006	¾"-10 UNC-2A x 2" Hex Head Bolt	8		8244-0099-XXX	****TRAAX ROD, Replaces 72350-XXX	
20	22962-001	¾" Washer	16		8233-0099-XXX	****TRAAX ROD, Replaces 92350-XXX	
21	49842-000	¾"-10 UNC-2B Locknut	8	36	47691-000L	Straddle Bushing	4
22	60680-003L	Shock Absorber	4	37	64697-000L	Taper Bushing	2
23	22962-001	¾" Washer	4			Optional Two-Piece Torque Rod Assembly with Bushings Service Kit	
24	30585-000	⅝" Upper Shock Locknut	4		60218-000	ULTRA ROD Straddle/Straddle	
25	22962-004	⅝" Upper Shock Washer	4		60215-000	ULTRA ROD Straddle/Taper	
26		Equalizing Beam Assembly	2		65781-000	ULTRA ROD PLUS Straddle/Taper	
a	58494-001	46K, 54" Non-Shim Type			65781-001	XTRB Straddle/Straddle	
	58494-002	46K, 54" Shim Type			65781-002	XTRB Straddle/Taper	
	58494-005	40K • 46K, 60" Non-Shim Type		38	22186-000	Torque Rod Frame Bracket	2
	58494-006	40K • 46K, 60" Shim Type		39	45045-010	Backup Plate, Replaces 45045-003	2
	58494-009	40K • 46K, 72½" Non-Shim Type		40		****Transverse Rod Axle Bracket	2
	58494-010	40K • 46K, 72½" Shim Type		41	49689-000	Torque Rod Shim	As Req.
b	59973-003	52K, 54" Shim Type			70867-001	P-80 Lubricant - 10 ml (Not Shown)	Per Bushing 1

FIGURE 1



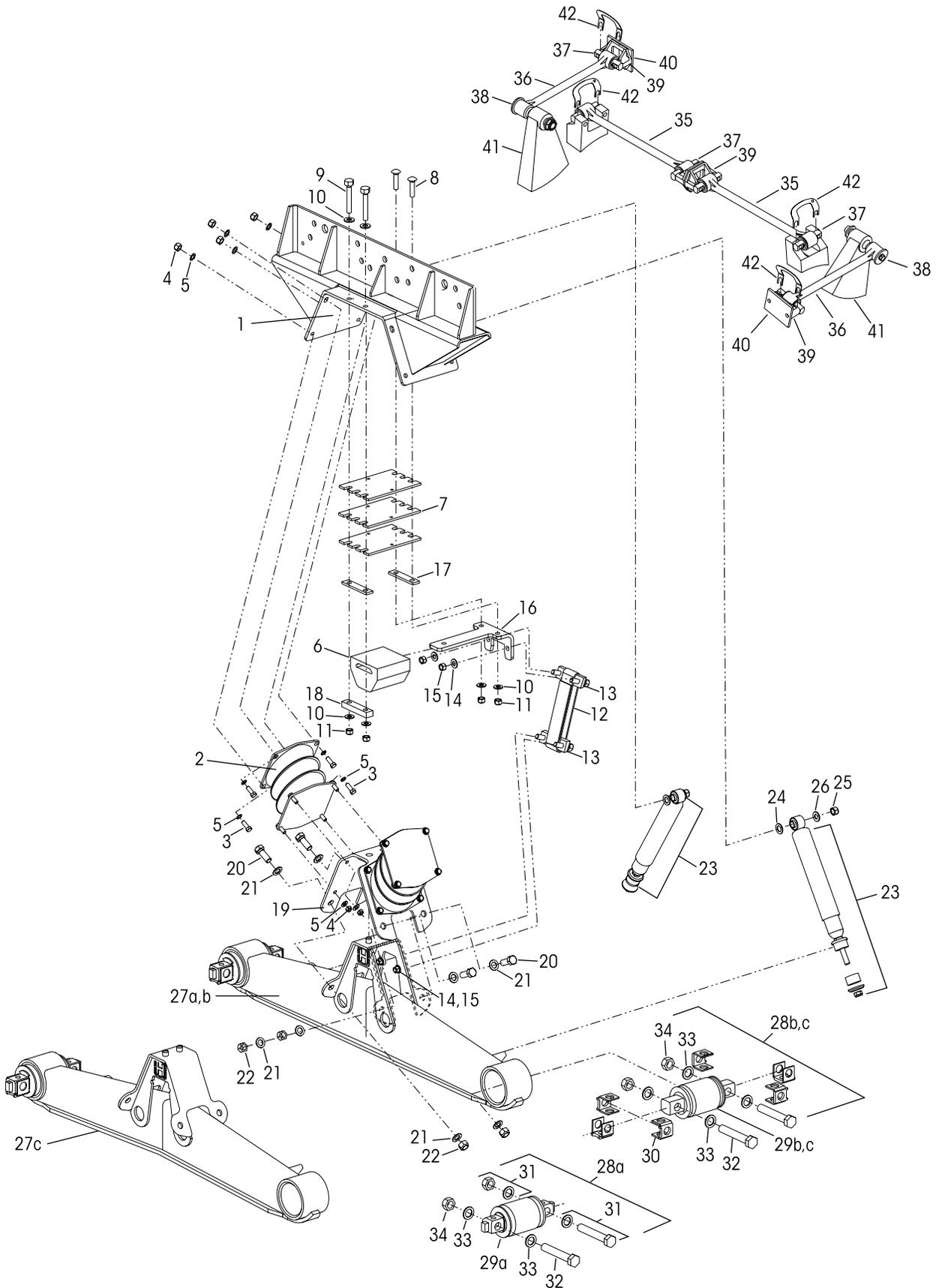
To Identify the Saddle Assembly Part Number:

1. Check the saddle assembly for a visible part number.
2. If the part number is missing or illegible:
 - Measure **Offset (Dimension "A")** and **Saddle Height (Dimension "B")**.
 - Contact Hendrickson Tech Services with these measurements.
3. Alternatively, provide the vehicle manufacturer with the following to obtain the correct part number
 - The **VIN** (Vehicle Identification Number).
 - The **Saddle Height (Dimension "B")**



HN 40K • 46K • 52K lb Capacity

Vehicles built between September 1998 and November 2000





HN® VariRate® Spring Rear Suspension System

KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Saddle Assembly, Includes Key Nos. 2-19 <i>See Figure 1 on Page 3</i>	2	c	57889-004	40K, 52" Non-Shim Type	
	95409-XXX	16½", 17½" or 18½", <i>Replaces 60686-OXX</i>			57889-005	40K, 52" Shim Type	
	95410-XXX	20¼" or 22½", <i>Replaces 58650-OXX</i>			57889-001	40K • 46K, 54" Non-Shim Type	
	60879-000L	Bolster Spring Service Kit, One Set, (2 pc) Includes Key No. 2			57889-002	40K • 46K, 54" Shim Type	
2		*Bolster Spring	4	28		Bar Pin End Bushing Service Kit, One Wheel End,	
	34013-462	Bolster Spring Fastener Service Kit, One Side, Includes Key Nos. 3-5		a	34013-087L	Non-Shim Type, 29a, 31	
3	25114-011	¾"-20 UNF x 1 ¼" Bolt	32	b	34013-088L	Shim Type Includes Key No. 29b, 30-31	
4	48949-000	¾"-20 UNF-2B Locknut	32	c	34013-188L	Rotating, Shim Type, 29c, 30-31	
5	22962-027	¾" Washer	64	29		*Bar Pin End Bushing	4
6	58947-000	Auxiliary Load Spring	2	a		Non-Shim Type	
7	58960-001	Auxiliary Load Spring Shim	6	b		Shim Type	
8	58196-004	½"-13 UNC x 2¼" Round Head Bolt	4	c		Rotating, Shim Type	
9	24531-016	½"-13 UNC x 3½" Bolt	4	30		Bar Pin Shim	8
10	22962-011	½" Washer	12	a	50130-000	¾" • ¾" Standard	
11	49846-000	½"-13 UNC-2A Locknut	8	b	50131-000	¼" • ⅛" Optional	
12	57878-003	Rebound Strap	2	c	57026-000	⅜" Optional flat shim	
13	60639-000	Anchor Plate Assembly, Includes Key Nos. 14-15 <i>Replaces 59779-000</i>	4	31	34013-104	Bar Pin End Bushing Fastener Kit, One Wheel End, Includes Key Nos. 32-34	
14		*½" Washer	8	32	48941-000	1"-8 UNC x 6" Hex Bolt	8
15		*½"-13 UNC-2A Locknut	8	33	22962-008	1" Hardened Washer	16
16	58948-001	Auxiliary Load Spring Mounting Plate <i>Replaces 58948-000</i>	2	34	48942-000	1"-8 UNC Locknut	8
17	58949-000	¼" Auxiliary Load Spring Mounting Plate Shim	4	35		**One-piece Longitudinal Torque Rod Assembly, Straddle/Straddle, Specify Length in mm ULTRA ROD®, Includes Key No. 37	
18	58524-000	⅞" Rebound Strap Mounting Plate	2		62000-XXX	Front	1
19	58343-001	Saddle Vee Bracket <i>Replaces 58343-000</i>	2		62001-XXX	Rear	1
	58440-001	Vee Bracket Fastener Service Kit, One Side, Includes Key Nos. 20-22			82400-00X-XXX	****TRAAX ROD, <i>Replaces 72000-XXX and 72001-XXX</i>	2
	58440-002	Axle Set, Includes Key Nos. 20-22		36		***One-piece Transverse Torque Rod Assembly, Straddle/Taper, Specify Length in mm ULTRA ROD, Includes Key Nos. 37-38	2
20	50764-006	¾"-10 UNC-2A x 2" Hex Head Bolt	8		62350-XXX	ULTRA ROD, Includes Key Nos. 37-38	
21	22962-001	¾" Washer	16		8244-0099-XXX	****TRAAX ROD, <i>Replaces 72350-XXX</i>	
22	49842-000	¾"-10 UNC-2B Locknut	8		8233-0099-XXX	****TRAAX ROD, <i>Replaces 92350-XXX</i>	
23	60680-003L	Shock Absorber	4	37	47691-000L	Straddle Bushing	6
24	22962-001	¾" Washer	4	38	64697-000L	Taper Bushing	2
25	30585-000	⅝" Upper Shock Locknut	4			Optional Two-Piece Torque Rod Assembly with Bushings Service Kit	
26	22962-004	⅝" Upper Shock Washer	4		60218-000	ULTRA ROD Straddle/Straddle	
27		Equalizing Beam Assembly	2		60215-000	ULTRA ROD Straddle/Taper	
a	58494-001	46K, 54" Non-Shim Type			65781-000	ULTRA ROD PLUS Straddle/Taper	
	58494-002	46K, 54" Shim Type			65781-001	XTRB Straddle/Straddle	
	58494-005	40K • 46K, 60" Non-Shim Type			65781-002	XTRB Straddle/Taper	
	58494-006	40K • 46K, 60" Shim Type		39	22186-000	Torque Rod Frame Bracket	2
	58494-009	40K • 46K, 72½" Non-Shim Type		40	45045-010	Backup Plate, <i>Replaces 45045-003</i>	2
	58494-010	40K • 46K, 72½" Shim Type		41		****Transverse Rod Axle Bracket	2
b	59973-003	52K, 54" Shim Type		42	49689-000	Torque Rod Shim	As Req.
					70867-001	P-80 Lubricant - 10 ml (Not Shown)	Per Bushing 1

NOTES: Equalizing beam axle brackets for drive axles are supplied by the axle manufacturer.

* Item included in assembly/kit only, part not sold separately.

** Hendrickson's part number is stamped on the torque rod for identification. Be sure to include the suffix number when ordering, this number indicates torque rod length. The Hendrickson 2-piece torque rods can be used to create the desired length, see Torque Rod Selection Guide Literature No. 45745-148.

*** Transverse torque rods are mandatory for HN rear suspension regardless of axle spacing, refer to Hendrickson Literature No. 59310-004 and 59310-058.

**** Longitudinal and transverse TRAAX Rod bushings are non-serviceable, the entire torque rod assembly requires replacement. Visit TRAAX ROD website www.traaxrods.com for more information.

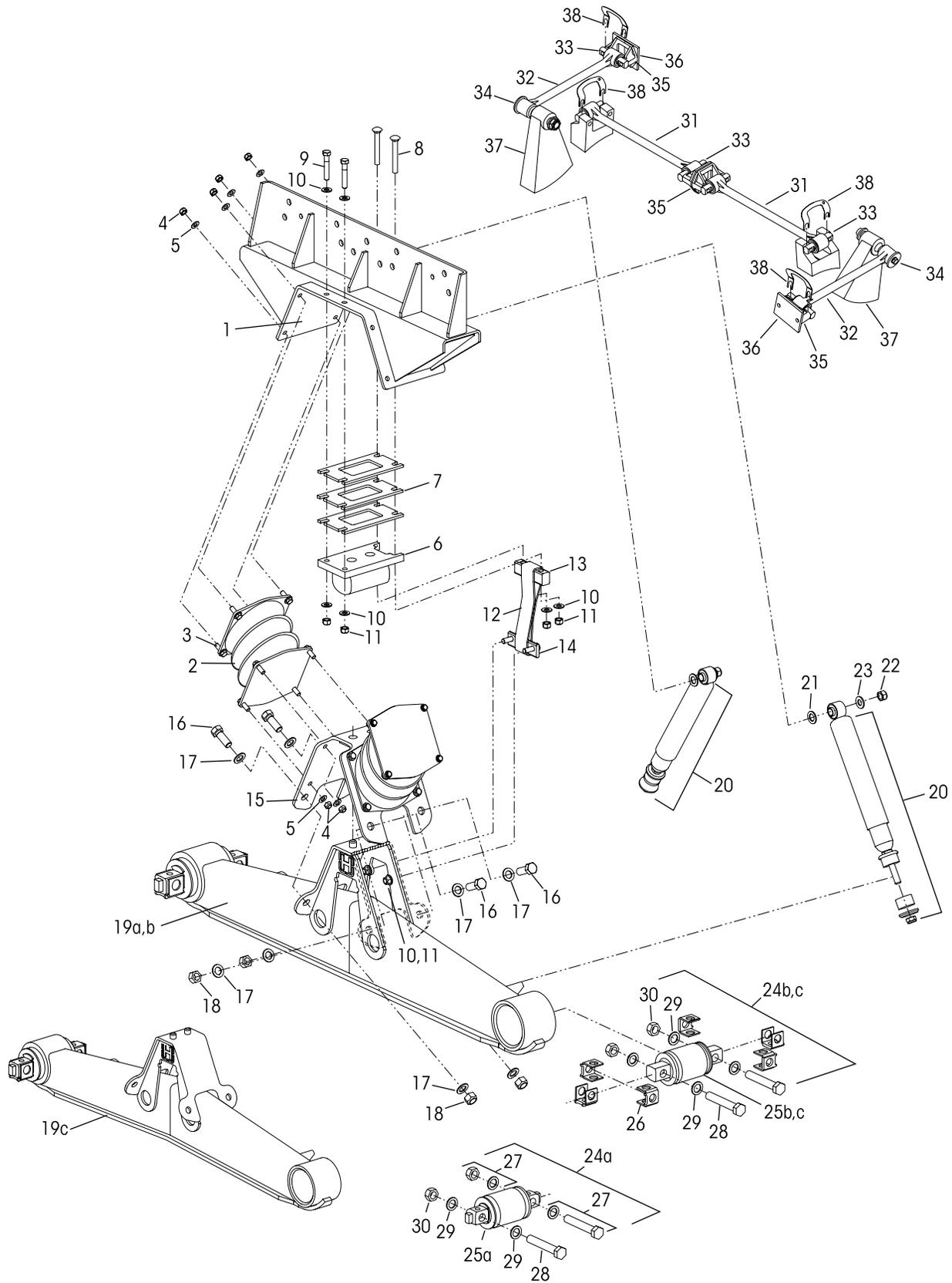
***** Not supplied by Hendrickson, used for reference only. Hendrickson is not responsible for components supplied by the vehicle manufacturer. For assistance with maintenance and rebuild instructions on these components see vehicle manufacturer.

Hendrickson **HAULMAX / HN Bolster Gauge**, Literature No. 48422-546 can be obtained on-line at www.hendrickson-intl.com/litform.



HN 40K • 46K • 52K lb Capacity

Vehicles built between April 1996 and August 1998

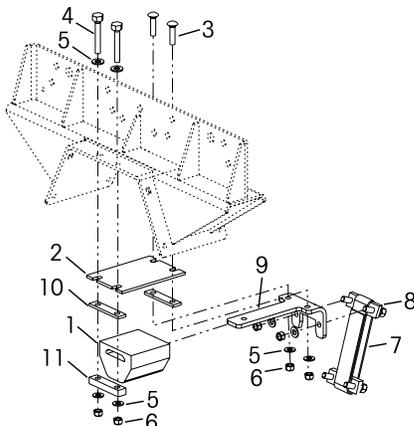




KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Saddle Assembly, Includes Key Nos. 2-15 <i>See Figure 1 on Page 3</i>	2	23	22962-004	5/8" Washer	4
	95409-XXX	1 6 1/2", 1 7 1/2" or 1 8 1/2", Replaces 60686-OXX		24		Bar Pin End Bushing Service Kit, One Wheel End,	
	95410-XXX	20 1/4" or 22 1/2", Replaces 58650-OXX		a	34013-087L	Non-Shim Type, 25a, 27	
	60879-000L	Bolster Spring Service Kit, One Set, (2 pc) Includes Key No. 2		b	34013-088L	Shim Type, Includes Key No. 25b, 26a-27	
				c	34013-188L	Rotating, Shim Type, 25c, 26a-27	
2		*Bolster Spring	4	25		*Bar Pin End Bushing	4
	34013-462	Bolster Spring Fastener Service Kit, One Side, Includes Key Nos. 3-5		a		Non-Shim Type	
3	25114-011	7/16"-20 UNF x 1 1/4" Bolt	32	b		Shim Type	
4	48949-000	7/16"-20 UNF-2B Locknut	32	c		Rotating, Shim Type	
5	22962-027	7/16" Washer	64	26		Bar Pin Shim	8
6		Auxiliary Load Spring (58189-000 no longer available, see conversion kit 57974-011 below)	2	a	50130-000	3/16" • 3/16" Standard	
7	57993-002	Auxiliary Load Spring Shim	6	b	50131-000	1/4" • 1/8" Optional	
8	58196-002	1/2"-13 UNC-2A x 3 1/2" Round Head Bolt	4	c	57026-000	3/8" Optional flat shim	
9	24531-017	1/2"-13 UNC-2A x 2 1/4" Hex Head Bolt	4	27	34013-104	Bar Pin End Bushing Fastener Kit, One Wheel End, Includes Key Nos. 28-30	
10	22962-011	1/2" Washer	16	28	48941-000	1"-8 UNC x 6" Hex Bolt	8
11	49846-000	1/2"-13 UNC-2A Locknut	12	29	22962-008	1" Hardened Washer	16
12	57878-003	Rebound Strap	2	30	48942-000	1"-8 UNC Locknut	8
13	58524-000	Rebound Strap Mounting Plate	2	31		**One-piece Longitudinal Torque Rod Assembly, Straddle/Straddle, Specify Length in mm ULTRA ROD®, Includes Key No. 33	
14	60639-000	Anchor Plate Assembly, Includes Fasteners Replaces 59779-000	2		62000-XXX	Front	1
15	58343-001	Saddle Vee Bracket	2		62001-XXX	Rear	1
		Vee Bracket Fastener Service Kit, One Side, Includes Key Nos. 16-18			8240-00XX-XXX	****TRAAX ROD, Replaces 72000-XXX and 72001-XXX	2
	58440-001	Axle Set, Includes Key Nos. 16-18		32		***One-piece Transverse Torque Rod Assembly, Straddle/Taper, Specify Length in mm	2
16	50764-006	3/4"-10 UNC-2A x 2" Hex Head Bolt	8		62350-XXX	ULTRA ROD, Includes Key Nos. 33-34	
17	22962-001	3/4" Washer	16		8244-0099-XXX	****TRAAX ROD, Replaces 72350-XXX	
18	49842-000	3/4"-10 UNC-2B Locknut	8		8233-0099-XXX	****TRAAX ROD, Replaces 92350-XXX	
19		Equalizing Beam Assembly	2	33	47691-000L	Straddle Bushing	6
a	58494-001	46K, 54" Non-Shim Type		34	64697-000L	Taper Bushing	2
	58494-002	46K, 54" Shim Type				Optional Two-Piece Torque Rod Assembly with Bushings Service Kit	
	58494-005	40K • 46K, 60" Non-Shim Type			60218-000	ULTRA ROD Straddle/Straddle	
	58494-006	40K • 46K, 60" Shim Type			60215-000	ULTRA ROD Straddle/Taper	
	58494-009	40K • 46K, 72 1/2" Non-Shim Type			65781-000	ULTRA ROD PLUS Straddle/Taper	
	58494-010	40K • 46K, 72 1/2" Shim Type			65781-001	XTRB Straddle/Straddle	
b	59973-003	52K, 54" Shim Type			65781-002	XTRB Straddle/Taper	
c	57889-004	40K, 52" Non-Shim Type		35	22186-000	Torque Rod Frame Bracket	2
	57889-005	40K, 52" Shim Type		36	45045-010	Backup Plate, Replaces 45045-003	2
	57889-001	40K • 46K, 54" Non-Shim Type		37		****Transverse Rod Axle Bracket	2
	57889-002	40K • 46K, 54" Shim Type		38	49689-000	Torque Rod Shim	As Req.
20	60680-003L	Shock Absorber	4		70867-001	P-80 Lubricant - 10 ml (Not Shown)	Per Bushing 1
21	22962-001	3/4" Washer	4				
22	30585-000	5/8" Locknut	4				

KEY NO. 6

AUXILIARY SPRING CONVERSION KIT NO. 57974-011



AXLE SET – INCLUDES KEY NOS. 1-11

	KEY NO.	PART NO.	DESCRIPTION	QTY.
1	60314-000		Auxiliary Spring	2
2	58960-003		3/4"-Auxiliary Spring Shim	2
3	58196-006		1/2"-13 UNC x 2 3/4" Round Head Bolt	4
4	24531-016		1/2"-13 UNC x 3 1/2" Bolt	4
5	22962-011		1/2" Hardened Washer	14
6	49846-000		1/2"-13 UNC Locknut	14
7	57878-003		Rebound Strap	2
8	64700-000		Anchor Plate Assembly	4
9	58948-001		Auxiliary Spring Mounting Plate	2
10	58949-000		1/4" Auxiliary Spring Mounting Plate Shim	4
11	58524-000		3/8" Rebound Strap Mounting Plate	4



■ Special Tools

BAR PIN END BUSHING TOOLS

Tiger Tool Part No. 15044

Visit tigertool.com



INSTALLATION TOOLS

OTC Part No. 1757

Visit otctools.com



REMOVAL TOOLS

OTC Part No. 206457

Visit otctools.com



OTC Part No. 302030

Visit otctools.com



ULTRA ROD TORQUE ROD BUSHING TOOLS



Hendrickson

Part No. 66086-001L

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 855.743.3733 (Toll-free U.S. and Canada), 630.910.2800 (Outside U.S. and Canada) or e-mail: 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 630.910.2800 or 855.RIDERED (855.743.3733) for additional information.



www.hendrickson-intl.com

SP-212 Rev G 11-25

© 1997 – 2025 Hendrickson USA, L.L.C. All Rights Reserved. All trademarks shown are owned by Hendrickson USA, L.L.C., or one of the affiliates, in one or more countries.

Information contained in this literature was accurate at the time of publication. Product changes may have been made after the copyright date that are not reflected.

TRUCK COMMERCIAL VEHICLE SYSTEMS

800 South Frontage Road
Woodridge, IL 60517-4904 USA
855.743.3733 (Toll-free U.S. and Canada)
630.910.2800 (Outside U.S. and Canada)
Fax 630.910.2899