HENDRICKSON

The World Rides On Us®

Pro Gear AND TRANSMISSION

HN FR Parts List Manual

Pro Gear's Hendrickson HN FR Parts List Manual Parts Manual to assist in identifying your Hendrickson unit.

If you need any assistance identifying the correct transfer case unit for your truck and equipment, contact your Hendrickson replacement part specialists at Pro Gear and Transmission.

Pro Gear Transmission has same day shipping and 1000’s of products in stock and ready to ship internationally for your next project.

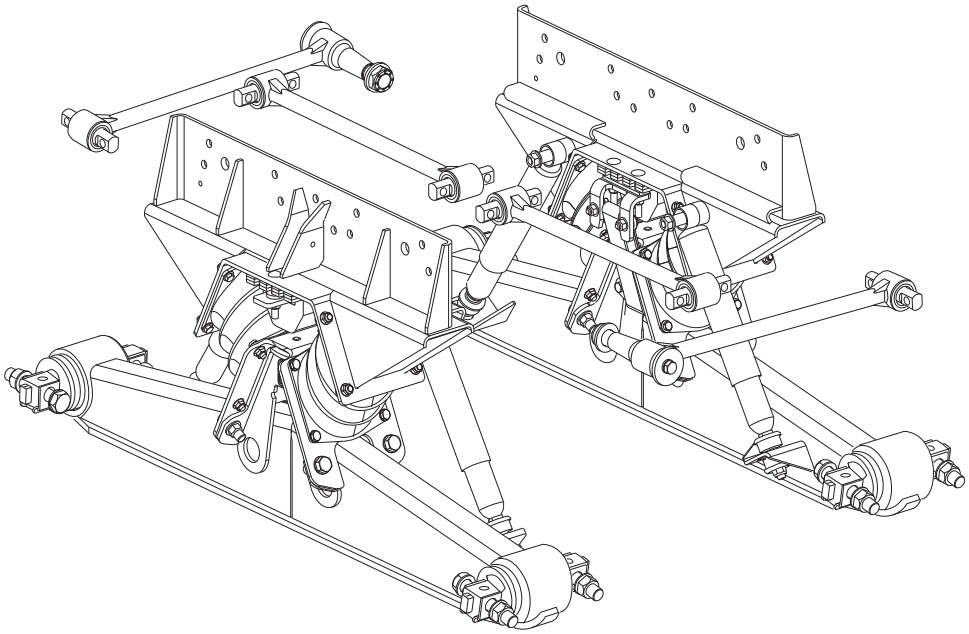
For parts or service contact the Hendrickson specialists at Pro Gear & Transmission, Inc.

1 (877) 776-4600
(407) 872-1901
parts@eprogear.com

PARTS LIST

HN® FR Series

LIT NO: SP-188
DATE: December 2012 **REVISION:** A



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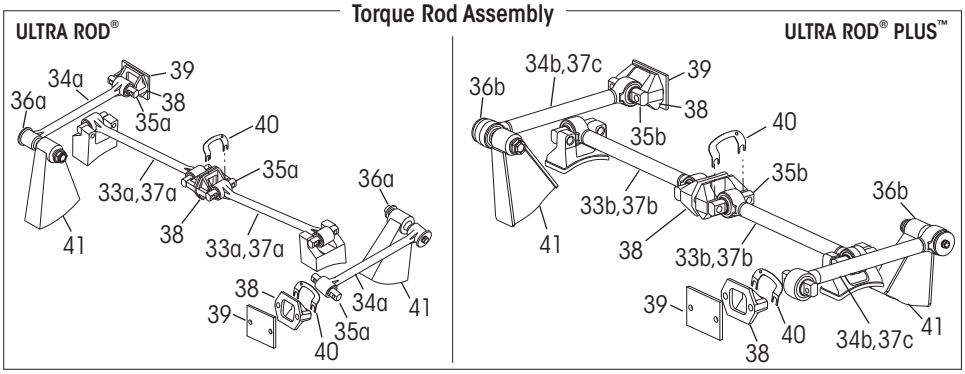

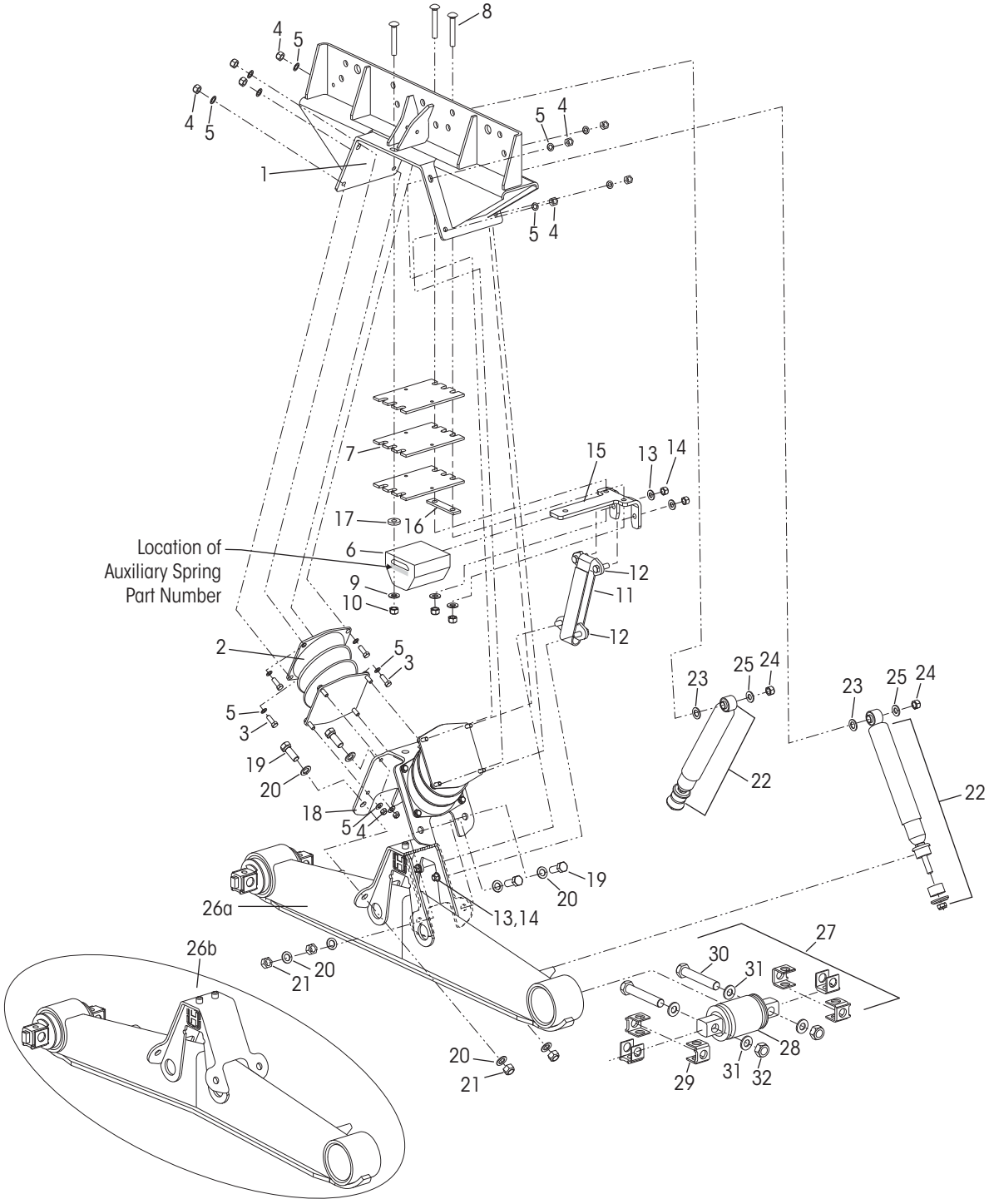

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KEY NO.	PART NO.	DESCRIPTION	NO.REQ.
1		HN FR Saddle Assembly, See Figure 1 below Includes Key Nos. 2-18	2
	60686-0XX	16½", 17½", 18½" or 19"	
	58650-0XX	17½ or 22½"	
	60879-000L	**Bolster Spring Kit, One Side,** (2 pc), Includes Key No. 2	
2		*Bolster Spring	4
3	25114-011	7/16"-20 UNF 1.25" Bolt	32
4	48949-000	7/16"-20 UNF-2B Locknut	32
5	22962-027	7/16" Washer	64
6		Auxiliary Spring Assembly, See part no. located on the component	2
	60314-000	3⅜" Height	
	65902-003	2⅛" Height	
7	58960-003	Auxiliary Spring Shim	6
8	58196-006	½"-13 UNC-2A Round Head Square Neck Bolt	6
9	22962-011	½" Washer	6
10	49846-000	½"-13 UNC-2A Locknut	6
11	57878-003	Rebound Strap	2
	60639-000	Anchor Plate Assembly, Includes Key Nos. 12-14	4
12		*Anchor Plate	4
13		*½" Washer	8
14		*½"-13 UNC-2A Locknut	8
15	58948-001	Auxiliary Spring Mounting Plate	2
16	58949-000	Auxiliary Spring Mounting Plate Shim (Inboard - ¼" thick)	2
17	22962-020	½" Washer (Outboard - ¼" thick)	2
18	58343-001	Saddle Vee Bracket	2
	58440-001	**Vee Bracket Fastener Kit, One Side,** Includes Key Nos. 19-21	
19	50764-006	¾"-10 UNC-2A Hex Head Bolt	8
20	22962-001	¾" Washer	16
21	49842-000	¾"-10 UNC-2B Locknut	8
22	60680-003L	Shock Absorber	4
23	22962-001	¾" Washer	4
24	30585-000	⅝" Upper Shock Locknut	4
25	22962-004	⅝" Upper Shock Washer	4
26		Equalizing Beam Assembly	2
a	58494-002	54" Shim Type HN 482FR	
a	59973-003	54" Shim Type HN 542FR / 582FR	
a	59973-005	60" Shim Type HN 542FR / 582FR	
b	57889-002	54" Shim Type HN 422FR	
b	57889-005	52" Shim Type HN 422FR	

KEY NO.	PART NO.	DESCRIPTION	NO.REQ.
27		**Bar Pin End Bushing Service Kit, One Wheel End,** Includes Key Nos. 28-32	
	34013-087L	Non-Shim Type	
	34013-088L	Shim Type	
	34013-188L	Rotating, Shim Type	
28		*Bar Pin End Bushing	4
29		Bar Pin Shim	8
	50130-000	0.19" /0.19"	
	50131-000	0.25"/0.12" (Not shown)	
	57026-000	0.375"	
	56659-001	**Bar Pin Beam End Mounting Fastener Kit, Axle Set,** Includes Key Nos. 30-32	
30	48941-000	1"-8 UNC 6.0" Hex Bolt	8
31	22962-008	1" Hardened Washer	16
32	48942-000	1"-8 UNC Locknut	8
33		**Two-Piece Longitudinal Torque Rod Kit,** Straddle/Straddle, Includes Tube End, Spacer End	
a	60218-000	ULTRA ROD, 27" Max., Includes Key Nos. 35a	
b	60223-000	ULTRA ROD, 35" Max., Includes Key Nos. 35a	
34		**Two-Piece Transverse Torque Rod Kit, Straddle/Taper, Includes Tube End, Spacer End	
a	60215-000	ULTRA ROD, Includes Key Nos. 35a-36a	
b	65781-000	ULTRA ROD PLUS, Includes Key Nos. 35b-36b	
35		Straddle Bushing	2
a	47691-000H	ULTRA ROD	
b	64400-002L	ULTRA ROD PLUS	
36		Taper Bushing	2
a	64697-000H	ULTRA ROD	
b	64400-004L	ULTRA ROD PLUS	
37		**One-Piece Torque Rod Assembly, Includes Bushings, See selection guide on back page	
a		ULTRA ROD	
b		ULTRA ROD PLUS Straddle/Straddle	
c		ULTRA ROD PLUS Straddle/Taper	
38		Torque Rod Frame Bracket	4
	22186-000	4⅜"	
	46015-000	5¼"	
39		Backup Plate	2
	45045-003	4⅜"	
	46869-005	5¼"	
40		Torque Rod Shim, See selection guide on back page	8
41		***Transverse Rod Axle Bracket	2

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

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

** Transverse rods are mandatory for HN Suspension regardless of axle spacing. See Literature No. 59310-004 for more information. Hendrickson's part number is stamped on the rod for identification. Be sure and include suffix number when ordering, this number indicates rod length. The Hendrickson 2-piece ULTRA RODS® can be used to create the desired length, see Torque Rod Selection Guide Literature No. 45745-148.

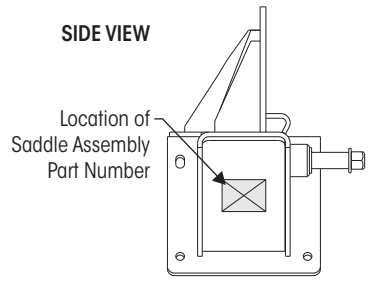
*** Not supplied by Hendrickson, used for reference only. Refer to vehicle manufacturer for more information. Hendrickson is not responsible for components supplied by vehicle manufacturer. For assistance with maintenance and rebuild instructions on these components, see vehicle manufacturer.

FIGURE 1

SADDLE ASSEMBLY (KEY NO. 1)

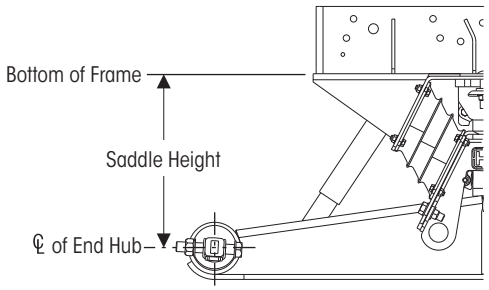
Locate the part number on the saddle assembly

SIDE VIEW



OR

If the saddle assembly number is not legible or available, have the VIN number and saddle height (for part verification) and contact vehicle manufacturer for part number. Questions? Contact Hendrickson Truck Parts



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Selection Guide

ONE PIECE TORQUE ROD ASSEMBLY								
Longitudinal Torque Rod						Transverse Torque Rod		
Key No.37a			Key No.37b			Key No.37c		
ULTRA ROD Straddle/Straddle Assembly			ULTRA ROD PLUS Straddle/Straddle Assembly			ULTRA ROD PLUS Straddle/Taper Assembly		
Length	Part No.	Capacity	Length	Part No.	Capacity	Length	Part No	Capacity
22.83"	62001-580	HN 422FR	19.49"	72100-495	HN 542FR/582FR	19.69"	72950-500	HN 522
23.82"	62000-605	HN 482FR	22.05"	72100-560	HN 522	19.88"	72950-505	HN 522
28.15"	62000-715	HN 422FR	23.03"	72100-585	HN 542FR/582FR	24.02"	72350-610	HN 542FR
29.13"	62001-740	HN 482FR	23.62"	72400-600	HN 542FR	24.02"	72950-610	HN 542FR/582FR
			25.00"	72100-635	HN 542FR/582FR	24.21"	72950-615	HN 542FR/582FR
			26.97"	72100-685	HN 522	24.41"	72350-620S	HN 422FR/482FR
			28.54"	72100-725	HN 542FR/582FR	25.43"	72350-630S	HN 422FR
			28.94"	72401-735	HN 542FR			

TORQUE ROD SHIMS			
Key No. 40			
Part No.	Shim Thickness	Shim Length	Fasteners
49689-000	0.060"	4⅜"	¾" and ⅝" Fasteners
49689-001	0.080"		
65640-002	0.060"	5¼"	¾" and ⅝" Fasteners
65640-003	0.120"		
67779-002	0.060"	5¼"	⅞" Fasteners
67779-003	0.120"		

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 e-mail: truckparts@hendrickson-intl.com.

www.hendrickson-intl.com

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