

PARTS LIST

**AIRTEK® NXT for Freightliner®
Cascadia® • Western Star® 57X
Vehicles**

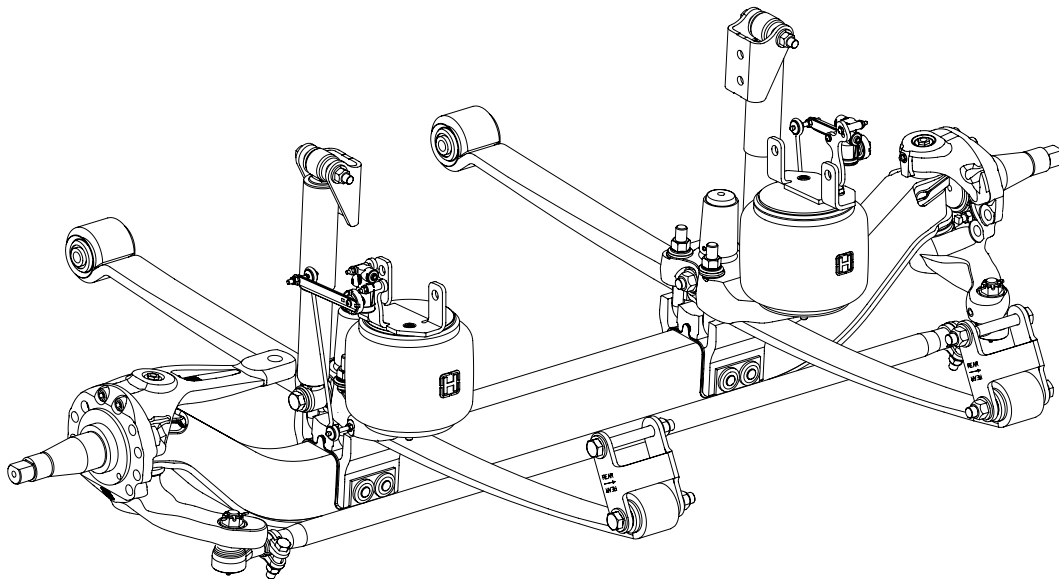
LIT NO: SP-307

DATE: November 2022

REVISION: E

CONTENTS

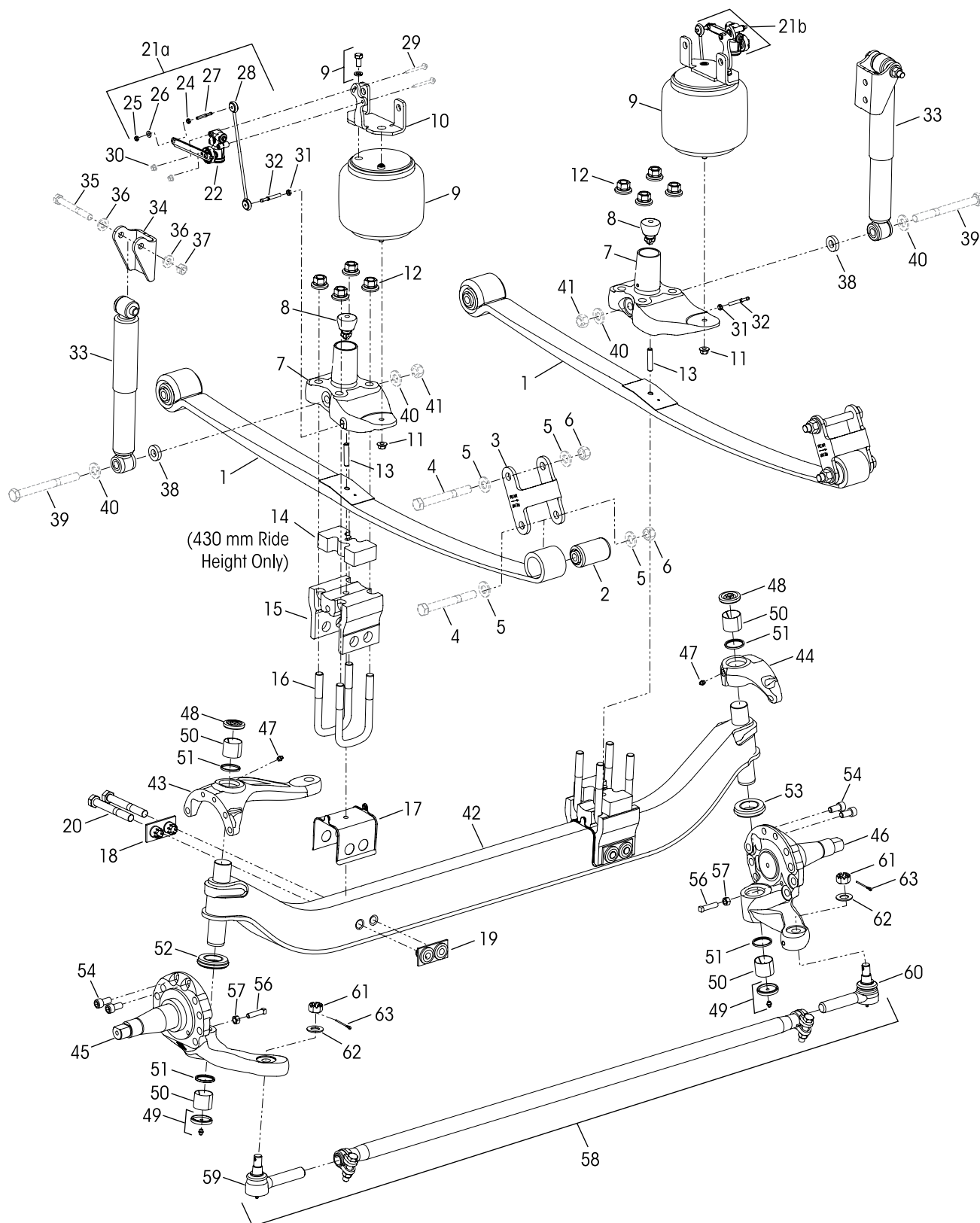
DESCRIPTION	PAGE
■ Parts List	2
■ Selection Guide	4
■ Notes	4
■ Special Tools	5



Freightliner Cascadia Vehicles built after August 2017

12.5K • 13.3K Capacity

Western Star 57X Vehicles built after August 2022





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Leaf Spring Assembly, Includes Non-serviceable Front Spring Eye Bushing and Key No. 2	2
	82922-000	12.5K, <i>Replaces 53622-000</i>	
	82967-000	13.3K, <i>Replaces 53767-000</i>	
	60961-867	Single Thru-Bolt Bushing Service Kit, Includes Key No. 2 and 64	
2		**Rear Spring Eye Thru-Bolt Bushing	2
3	78046-001	Shackle Plate	2
4		*M20 x 2.50-6G x 170 mm Hex Bolt	4
5		*M20 Flat Washer - H12	8
6		*M20 x 2.5 Locknut	4
		One Side Clamp Group & Leaf Spring Assembly Service Kit, Includes Key Nos. 1-2, 7-8, 12-13, 15-20	
	34013-238	390 mm Ride Height, 12.5K, Left Hand	
	34013-239	390 mm Ride Height, 12.5K, Right Hand	
	34013-243	390 mm Ride Height, 13.3K, Left Hand	
	34013-244	390 mm Ride Height, 13.3K, Right Hand	
		Includes Key Nos. 1-2, 7-8, 12-20	
	34013-240	430 mm Ride Height, 12.5K, Left Hand	
	34013-241	430 mm Ride Height, 12.5K, Right Hand	
	34013-245	430 mm Ride Height, 13.3K, Left Hand	
	34013-246	430 mm Ride Height, 13.3K, Right Hand	
7	78030-001	Left Hand Top Pad / Shock Bracket	1
	78030-002	Right Hand Top Pad / Shock Bracket	1
8	64080-000	Rubber Bump Stop	2
9	79115-002L	Air Spring Assembly, Includes Upper Fasteners	2
10	78762-101	Air Spring and Height Control Valve Bracket	2
11	68974-000	M12 x 1.75 Flange Locknut	2
12	75989-000	M20 x 1.5-6H Two-piece Nut	8
13	57159-015	½" x 2½" Dowel Pin, 390 mm Ride Height	2
	57159-014	½" x 4½" Dowel Pin, 430 mm Ride Height	2
14	77517-040	Leaf Spring Spacer, 430 mm Ride Height Only	2
15	78044-101	Axle Wrap	2
16		M20 x 1.5-6g Semi Round U-bolt	4
	78025-175	175 mm, 390 mm Ride Height	
	78025-215	215 mm, 430 mm Ride Height	
	60961-802	Axle Clamp Service Kit, One Side, Includes Key Nos. 17-20	
17		**Axle Wrap Liner	2
18		**Axle Clamp, Front - Unthreaded	2
19		**Axle Clamp, Rear - Threaded M20 x 2.5	2
20		*M20 X 2.5-6G x 160 mm Hex Thru Bolt	4
21		Height Control Valve and Linkage Assembly,	
a	59427-101L	Left Hand, Includes Key Nos. 22, 24-28	1
b	59427-102L	Right Hand, Includes Key Nos. 23-28	1
22	59935-101	Left Hand Height Control Valve	1
23	59935-102	Right Hand Height Control Valve	1
24		**5/16"-18 UNC-2B Nut	2
25		**5/16"-18 UNC-2B Nylon Lock Nut	2
26		**5/16" Flat Washer	2
27		**Leveling Valve Link Stud	2
28	59428-101	Leveling Valve Linkage Assembly	2
29		*M6 x 1.00 x 55 mm Hex Flange Bolt	4
30		*M6 x 1.00 Flange Nut	4
31	17491-011	5/16"-18 UNC-2B Nut	2
32	59169-003	Link Mount	2
33	58913-015L	Shock Absorber (538 mm Extended)	2
34	78047-001	Left Hand Upper Shock Bracket	1
	78047-002	Right Hand Upper Shock Bracket	1
35		*M16 x 2.00-6G x 130 mm Bolt	2
36		*M16 Flat Washer	4
37		*M16 x 2.00-6H Nut	2

KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
38	59946-012	Lower Shock Spacer (10 mm)	2
39		*M20 x 2.50-6G x 210 mm Bolt	2
40		*M20 Flat Washer	4
41		*M20 x 2.5 Locknut	2
	77771-XXX	Front Axle Assembly, Includes Key Nos. 42-63, <i>See Selection Guide on Page 4</i>	1
42	70685-104	12.5K Axle and Kingpin Assembly	1
	78685-104	13.3K Axle and Kingpin Assembly	1
43		Left Hand Upper Steering Knuckle Assembly, Includes Key Nos. 47-48, 50-51	1
	60903-473	390 mm Ride Height	
	60903-474	430 mm Ride Height	
44	60904-432	Right Hand Upper Steering Knuckle Assembly, Includes Key Nos. 47-48, 50-51	1
45		Left Hand Lower Steering Knuckle Assembly, Includes Key Nos. 49-51, 56-57	1
	58900-405	150 Ackermann	
	58900-403	200 Ackermann	
	58900-401	230-250 Ackermann	
46		Right Hand Lower Steering Knuckle Assembly, Includes Key Nos. 49-51, 56-57	1
	58900-406	150 Ackermann	
	58900-404	200 Ackermann	
	58900-402	230-250 Ackermann	
		Kingpin Bushing and Bearing Service Kits, Axle Set, Includes Kit Nos. 60961-629 & -630	
	60961-628	Left Hand with Composite Thrust Bearing, Includes Key Nos. 47-52, 54-55	
	60961-629	Right Hand with Roller Thrust Bearing, Includes Key Nos. 47-51, 53-55	
47	33117-000	Grease Zerk	2
48	68687-003	Grease Cap Assembly, Upper	2
49	68687-002	Grease Cap Assembly, Lower	2
50	58909-001	Kingpin Bushing	4
		Thrust Bearing Service Kits, Axle Set, Includes Kit Nos. 60961-632 & -633	
	60961-631	Left Hand Composite Thrust Bearing, Includes Key Nos. 51-52, 54-55	
	60961-632	Right Hand Roller Thrust Bearing, Includes Key Nos. 51, 53-55	
51	68731-000	Kingpin Seal	4
52	59828-000	Composite Thrust Bearing, <i>Replaces 77907-000</i>	1
53	64256-000	Roller Thrust Bearing	1
54	60236-001	5/8"-11 UNC Socket Head Cap Screw	4
55	60937-000	Loctite® (Red) Compound Tube (Not Shown)	1
	60961-069	Stop Bolt Service Kit, One End, Includes Key Nos. 56-57	
56	60238-001	½"-13 UNC Square Head Stop Bolt	2
57	60240-000	½"-13 UNC Hex Jam Stop Nut	2
58		Tie Rod Assembly, Includes Key Nos. 59-61, <i>See Selection Guide on Page 4</i>	1
	60961-XXX	Tie Rod End Service Kits, See Selection Guide on Page 4 Axle Set, Includes LH and RH Kits Left Hand, Includes Key Nos. 59, 61-63 Right Hand, Includes Key Nos. 60-63	
		Tie Rod Ends, <i>See Selection Guide on Page 4</i>	
59		Left Hand	1
60		Right Hand	1
61		**7/8" Castle Nut	2
62	22962-007	7/8" Flat Washer	2
63	17800-004	Tie Rod Nut Cotter Pin	2
64	69125-001	Loctite (Green) one per bushing (Not Shown)	4



■ Selection Guide

	Ackermann	Front Axle Assembly Part Number		Tie Rod Assembly Part Number	Tie Rod End Part Number		Tie Rod End Service Kit Part Number
		Ride Height			Left Hand	Right Hand	
		390 mm	430 mm	Key No. 58	Key No. 59	Key No. 60	
12.5K	150	77771-001	77771-004	76877-001	70995-001	70995-002	60961-734 (Axle Set) 60961-736 (LH) 60961-741 (RH)
	200	77771-002	77771-005	76877-002			
	230-250	77771-003	77771-006	76877-003			
13.3K	150	77771-007	77771-010	76879-001	76876-001	76876-002	60961-735 (Axle Set) 60961-742 (LH) 60961-743 (RH)
	200	77771-008	77771-011	76879-002			
	230-250	77771-009	77771-012	76879-003			

NOTES: * 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.

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

Hendrickson **AIRTEK NXT Ride Height Gauge for Freightliner • Western Star Vehicles** Literature No. 45745-436 can be obtained online at www.hendrickson-intl.com/Litform



■ Special Tools

REAR LEAF SPRING BUSHING TOOLS

Hendrickson Part No. 66086-303

OTC Part No. 4263 Visit otctools.com



Hendrickson Part No. 66086-304

OTC Part No. 4261 Visit otctools.com



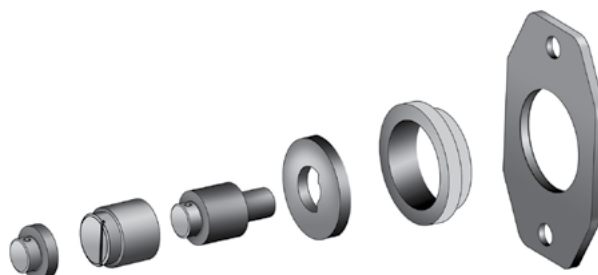
Hendrickson Part No. 66086-305 Adapter Set

OTC Part No. 4255 Visit otctools.com



Hendrickson Part No. 66086-302

OTC Part No. 4250 Visit otctools.com



KINGPIN BUSHING TOOL – ADJUSTABLE STRAIGHT FLUTE REAMER

The dimension of cutting diameter must facilitate a range of **1.802"-1.812"**



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 your truck dealer or Hendrickson at **1.866.755.5968** (toll-free) or **1.630.910.2800** for additional information.*



www.hendrickson-intl.com

TRUCK COMMERCIAL VEHICLE SYSTEMS
800 South Frontage Road
Woodridge, IL 60517-4904 USA
1.866.755.5968 (Toll-free U.S. and Canada)
1.630.910.2800 (Outside U.S. and Canada)
Fax 1.630.910.2899

SP-307 Rev E 11-22

© 2017-2022 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.

Printed in United States of America