

PARTS LIST

STEERTEK NXT High Capacity Steer Axle System for Rosenbauer Vehicles

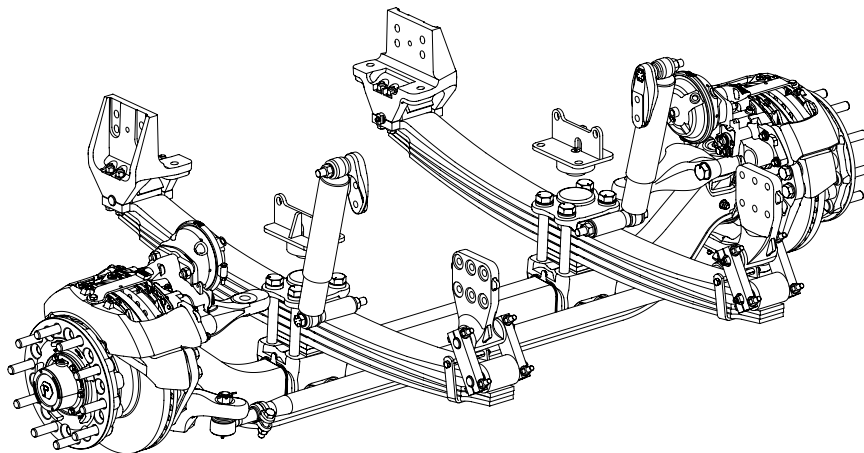
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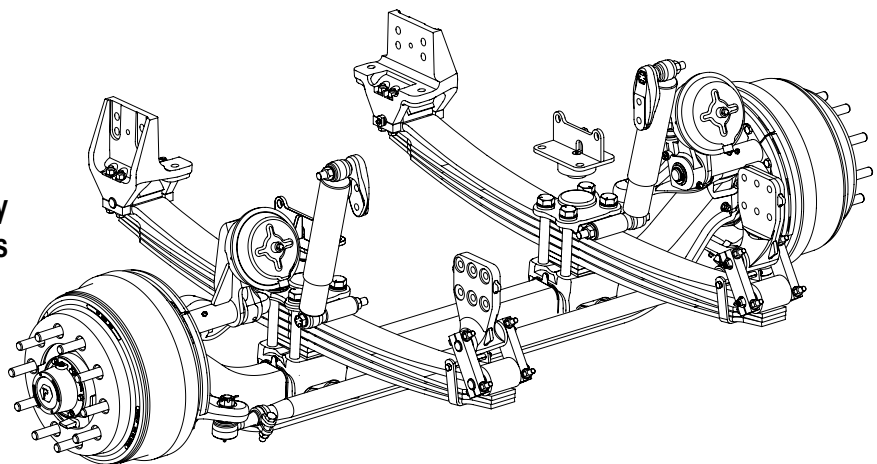
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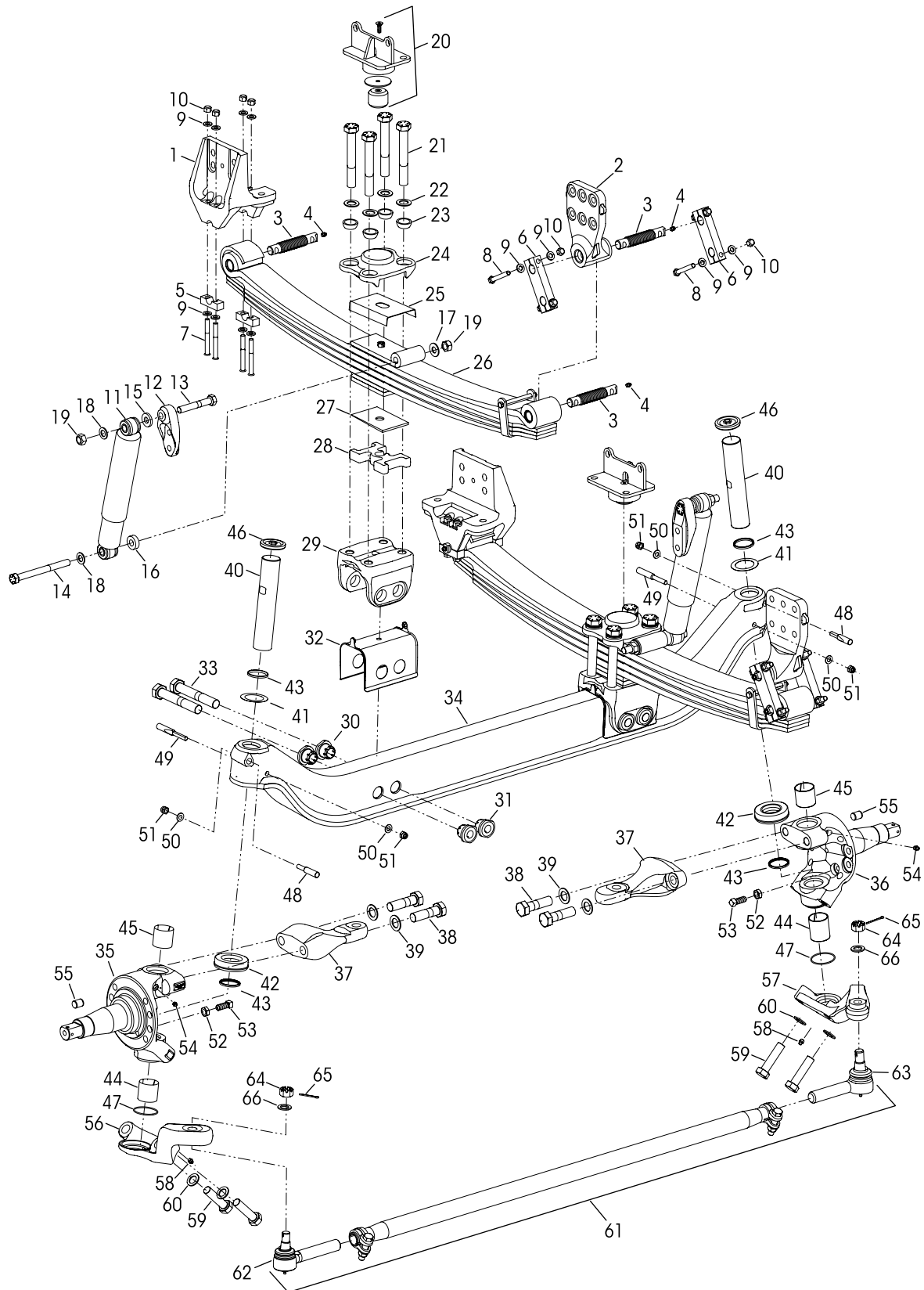


**STEERTEK NXT High Capacity
with Air Disc Brakes**

**STEERTEK NXT High Capacity
with Drum Brakes**



Suspension • Clamp Group • Axle Assembly



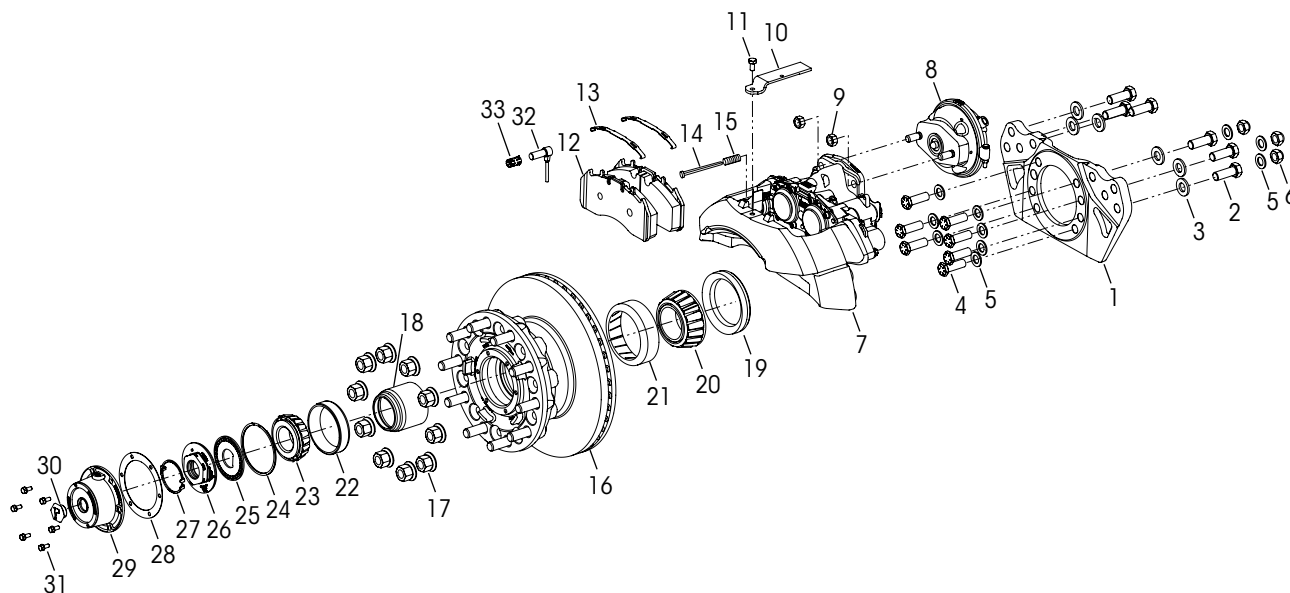


STEERTEK NXT High Capacity Steer Axle System for Rosenbauer Vehicles

KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	79894-001	Frame Hanger Assembly	2	34	80140-XXX	STEERTEK NXT Axle Fire and Rescue, Includes Key Nos. 35-36, 40-66, <i>See Table 2 on page 6</i>	1
2	80159-001	Rear with Bushing	2		77243-XXX	Knuckle Assembly, Includes Key Nos. 43, 46, 52-55, <i>See Table 2 on page 6</i>	
	34013-247	Front Frame Hanger Fastener Service Kit, One Side , Includes Key Nos. 5, 7, 9-10		35		Left Hand	1
	34013-248	Rear Frame Hanger Fastener Service Kit, One Side , Includes Key Nos. 3-4, 6, 8-10		36		Right Hand	1
	34013-249	Single Threaded Pin and Grease Zerk Service Kit , Includes Key Nos. 3-4		37		Steering Arm	
3		*Threaded Pin	6		77337-003	18K Single Steer	1
4		*Grease Zerk	6			20K Twin Steer	2
5	79843-000	Front Hanger Bottom Cap	4			24K Twin Steer, 425 mm and below Tires	2
6	79888-001	Rear Shackle	4		77337-004	24K Twin Steer, 445 mm Tires	2
7	80362-001	½"-20 UNC x 4½" Hex Bolt	8	38	30550-027	1"-14 UNF x 3½" Hex Bolt	Varies
8	80362-002	½"-20 UNC x 3¼" Shackle Hex Bolt	8	39	22962-051	1" Flat Washer	Varies
9	22962-014	½" Flat Washer	32		34013-230	Kingpin Service Kit, One Side Includes Key Nos. 40, 41 a, 42-51, 59-60	
10	30978-000	½"-20 UNC Nut	16	40	75923-001	Kingpin	2
	34013-250	Single Shock Absorber Service Kit Includes Key Nos. 11, 14-19		41		Kingpin Shim (As needed for service)	2
11	80606-001	Shock Absorber	2	a	77241-002	0.01" Thickness	
12	78250-002	Shock Bracket	2	b	77241-003	0.02"	
13	50764-019	¾"-10 UNC x 4½" Upper Shock Hex Bolt	2	42	75918-001	Thrust Bearing	2
14	50764-020	¾"-10 UNC x 8" Lower Shock Hex Bolt	2	43	75966-001	Kingpin Seal	4
		Shock Spacer				Kingpin Bushing	
15	59946-013	Upper	2	44	75919-001	Lower, 2½" Length	2
16	59946-006	Lower Outboard	2	45	75919-002	Upper, 2" Length	2
17	59946-005	Lower Inboard	2	46	77209-001	Grease Cap	2
18	22962-001	¾" Flat Washer	4	47	68303-004	O-Ring	2
19	49842-000	¾"-10 UNC Nut	4			Kingpin Draw Key	
20		Jounce Stop Assembly		48	75925-001	Upper, 3⅝" Length	2
	79854-000	Left	1	49	75925-002	Lower, 4¾" Length	2
	79855-000	Right	1	50	22962-054	7/16" Flat Washer	4
		Leaf Spring & Clamp Group Assembly, Includes Key Nos. 21-33, <i>See Table 1 on page 6</i>	2	51	17700-008	7/16"-14 UNC-2B Nut	4
		Clamp Group Service Kit, One Side , Includes Key Nos. 21-23, 25, <i>See Table 1 on page 6</i>		52	17491-023	⅝"-11 UNC-2B Jam Nut	2
21		1"-8 UNC Hex Bolt, <i>See Table 1 on page 6</i>	8	53	80183-000	⅝"-11 UNC x 1½" Set Screw	2
22	22962-051	1" Flat Washer, <i>See Table 1 on page 6</i>	8	54	33117-000	Grease Zerk	2
23	78356-002	1" Spherical Washer	8	55	64246-000	ABS Sensor Sleeve	2
24	78888-000	Top Pad	2		77244-XXX	Tie Rod Arm Assembly, Includes Key No. 58 <i>See Table 2 on page 6</i>	
25	79273-001	Spring Liner	2	56		Left Hand	1
26		Leaf Spring Assembly, Includes Key Nos. 3 & 4 <i>See Table 1 on page 6</i>		57		Right Hand	1
27	80143-001	Caster Wedge - 2°	2	58	33117-000	Grease Zerk	2
28		Spring Spacer (if equipped) <i>See Table 1 on page 6</i>	2	59	30418-014	7/8"-14 UNF x 3½" Hex Bolt	4
29	77232-000	Axle Seat	2	60	22962-002	7/8" Flat Washer	4
	34013-229	Axle Clamp Collar Service Kit, One Side Includes Key Nos. 30-33		61	76879-XXX	Tie Rod Assembly, 14.6K Straight, Includes Key Nos. 62-64, <i>See Table 2 on page 6</i>	1
		*Axle Collar				Tie Rod End Service Kits, Axle Set, Includes Kit Nos. 60961-742 and -743	
30		Non Threaded	4		60961-735	Left Hand, Includes Key Nos. 62, 64-66	
31		Threaded	4		60961-742	Right Hand, Includes Key Nos. 63-66	
32	78887-001	Axle Seat Liner	2		60961-743	Tie Rod End, Includes Key No. 64	
33		*1"-8 UNC x 6½" Hex Thru Bolt	4	62	76876-001	Left Hand	1
				63	76876-002	Right Hand	1
				64		*7/8"-14 UNF-2A Castle Nut	2
				65	17800-004	Cotter Pin	2
				66	22962-007	7/8" Flat Washer	2

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

Air Disc Brake Assembly

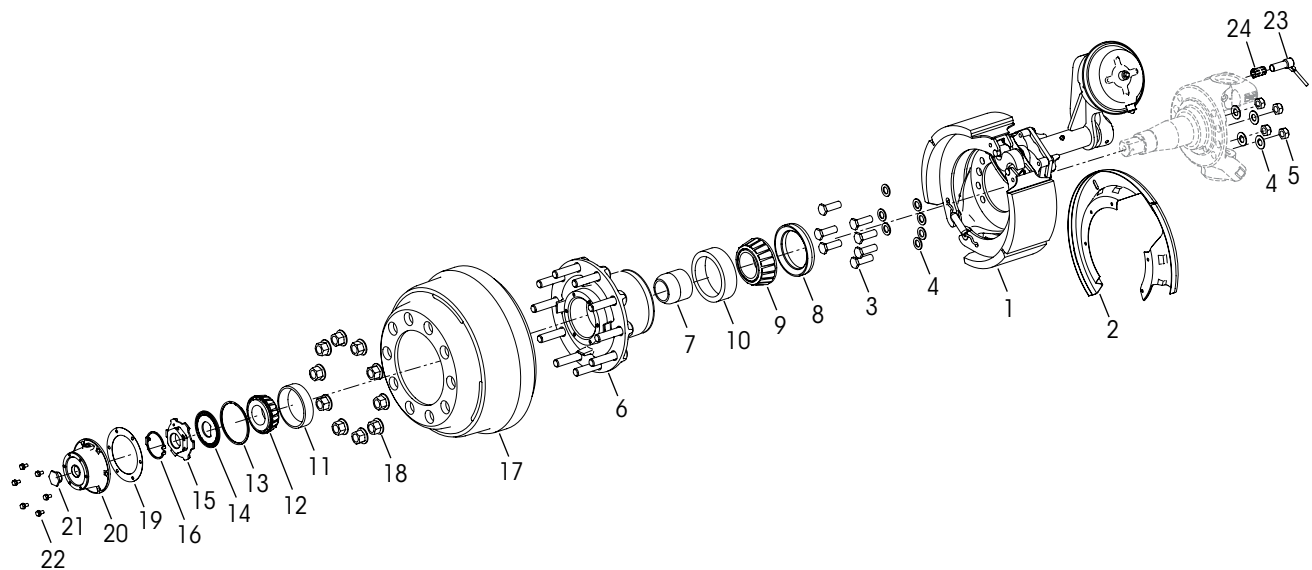


KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		*Meritor Torque Plate Assembly Left Hand, Part No. 3215-F-1878 Right Hand, Part No. 3215-E-1877	1 1
2	69781-002	M20 x 55 mm Hex Head Bolt	12
3	58246-039	M20 Flat Washer	12
4	80345-004	3/4"-16 UNC x 2 1/4" Low Profile Hex Head Bolt <i>Replaces 80345-001</i>	14
5	22962-001	3/4" Flat Washer	20
6	80691-001	3/4"-16 UNC Hex Nut	6
7		*Meritor Air Disc Brake Caliper Assembly, Includes Key Nos. 10-13 Left Hand, Part No. EX225H202XX000S Right Hand, Part No. EX225H201XX000S	1 1
8		*WABCO Air Brake Chamber MGMT4L, Includes K80131-001 Key No. 9 Left Hand, Part No. 423 506 1340 Right Hand, Part No. 423 506 1350	1 1
9		*Hex Nut *Meritor Disc Pad Retainer Kit No. 22510, Includes Key Nos. 10-11	4
10		*Pad Retainer	
11		*Pad Retainer Bolt	
		*Meritor Air Disc Brake Pad Kit No. 2252H2DA, Includes Key Nos 12-13	
12		*Air Disc Brake Pad	
13		*Air Disc Brake Pad Spring *Meritor Wear Indicator Kit No. 225255, Includes Key Nos. 14-15	

KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
14		*Wear Indicator	
15		*Wear Indicator Spring	
16		*Conmet Hub and Rotor Assembly No. 100813224, Includes Bearings and Seals	2
17		**M22 x 1.5 Two-piece Wheel Nut *Conmet Hub Bearing Rebuild Kit No. 10081728, One Wheel End, Includes Key Nos. 18-23 *Conmet Wheel Seal Kit No. 10081519, One Wheel End, Includes Key Nos. 18-19	20
18		*Bearing Spacer Part No. 10034342	
19		*Wheel Seal Part No. 10045883	
20		*Inner Bearing Cone Part No. 10041922	
21		*Inner Bearing Cup Part No. 10041921	
22		*Outer Bearing Cup Part No. 10041923	
23		*Outer Bearing Cone Part No. 10041924 *Conmet Preset Plus FL Nut Assembly Kit No. 10036550, Includes Key Nos. 24-27	
24		*Snap Ring - Double Wind Part No. 10033288	
25		*Spindle Nut Lockwasher 10031171	
26		*Outer Spindle Nut Part No. 10031170	
27		*Snap Ring Retainer Part No. 10031172	
28		*Federal-Mogul Hub Cap Gasket No. G-3009	2
29		*Federal-Mogul Hub Cap No. 343-009, Includes Key No. 30	2
30		*Rubber Plug	
31	64545-002	5/8"-18 UNC x 3/4" Hex Bolt with Retained Washer	12
32		*WABCO ABS Sensor No. 441-032-900-0	2
33	64550-000	ABS Sensor Clip	2



Drum Brake Assembly



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		*Meritor Drum Brake Foundation Kit, Includes Key No. 2 Left Hand, Part No. QP4-1656-2055 Right Hand, Part No. QP4-1656-2056	1 1	10		*Inner Bearing Cup Part No. 10041921	
2		*Dust Shield	2	11		*Outer Bearing Cup Part No. 10041923	
3	80345-004	3/4"-16 x 2 1/4" Low Profile Hex Head Bolt	14	12		*Outer Bearing Cone Part No. 10041924	
4	22962-001	3/4" Flat Washer	20			*Conmet Preset Plus FL Nut Assembly Kit No. 10036550, Includes Key Nos. 13-16	
5	80691-001	3/4"-16 UNC - 2B Nut	6	13		*Snap Ring - Double Wind Part No. 10033288	
		*Conmet Preset Plus FL Hub Assembly Part No. 10081313, Includes Key Nos. 6-16	2	14		*Spindle Nut Lockwasher 10031171	
6		*Hub Part No. 10033316		15		*Outer Spindle Nut Part No. 10031170	
		*Conmet Hub Bearing Rebuild Kit No. 10081728, One Wheel End, Includes Key Nos. 7-12		16		*Snap Ring Retainer Part No. 10031172	
		*Conmet Wheel Seal Kit No. 10081519, One Wheel End, Includes Key Nos. 7-8		17		*Conmet Drum 16.5 x 6 No. 10033071	
7		*Bearing Spacer Part No. 10034342		18		**M22 x 1.5 Two-piece Wheel Nut	20
8		*Wheel Seal Part No. 10045883		19		*Federal-Mogul Hub Cap Gasket No. G-3009	2
9		*Inner Bearing Cone Part No. 10041922		20		*Federal-Mogul Hub Cap No. 343-009, Includes Key No. 21	2
				21		*Rubber Plug	2
				22	64545-002	5/16"-18 UNC x 3/4" Hex Bolt with Retained Washer	12
				23		*WABCO ABS Sensor No. 441-032-900-0	2
				24	64550-000	ABS Sensor Clip	2

NOTES: * Not supplied by Hendrickson for aftermarket service purposes. Description and part number listed for reference only. For more information and assistance with service, maintenance and rebuild instructions on these components see below component manufacturers:

- Conmet technical and parts support 800.547.9473 or online at www.conmet.com/general/literature, go to Wheel End Literature, scroll down to Service Manual, Lit No. 10084476
- Federal Mogul technical and parts support 800.325.8886 or go to www.fme-cat.com
- Meritor technical and parts support 888.725.9355 or online, parts (www.meritorpartsexpress.com), technical support (www.meritorbullpen.com)
- WABCO technical and parts support 855.228.3203 or online at www.wabco-auto.com/aftermarket-services/inform-product-catalog

** Not supplied by Hendrickson, used for reference only. Contact the vehicle manufacturer for more information.



■ Selection Guides

TABLE 1

Leaf Spring Assembly and Components

				Key No. 26	Key No. 21		Key No. 22	Key No. 28	
Capacity	Ride Height	Leaf Spring & Clamp Group Assembly	Clamp Group Service Kit	Leaf Spring Assembly	1" Hex Bolt		1" Flat Washer (USE ONLY AS SPECIFIED)	Spring Spacer	
		Refer to Parts List for Contents			LENGTH	PART NO.		THICKNESS	PART NO.
18K	8"	80141-101	34013-278	82378-000	7"	64107-002	---	---	---
	9.82"	80141-102	34013-256		9"	64107-003	22962-051	1"	79814-000
								0.82"	80298-000
20K	8"	80141-201	34013-278	82379-000	7"	64107-002	---	---	---
	9.5"	80141-202	34013-279		8.5"	64107-006	---	1"	79814-000
								0.5"	80223-000
24K	8"	80141-001	34013-254	82380-000	7.5"	64107-000	22962-051	---	---
	9"	80141-002	34013-255		8.5"	64107-006	22962-051	1"	79814-000



WARNING

USE 1" FLAT WASHERS (PART NO. 22962-051) ONLY AS SPECIFIED IN TABLE 1 (LEAF SPRING AND CLAMP GROUP ASSEMBLY). THE TABLE LISTS DIFFERENT CONFIGURATIONS FOR THIS ASSEMBLY. FOR CERTAIN CONFIGURATIONS THE CLAMP GROUP REQUIRES THE USE OF 1" FLAT WASHERS (PART NO. 22962-051) WITH THE SPECIFIED 1" HEX BOLT LENGTH, BUT NOT IN OTHER CONFIGURATION SPECIFICATIONS IN TABLE 1 CAN RESULT IN IMPROPER CLAMP FORCE IN THE LEAF SPRING AND CLAMP GROUP ASSEMBLY, IMPROPER SEATING AND COMPONENT DAMAGE, WHICH CAN CAUSE LOSS OF VEHICLE CONTROL, ADVERSE VEHICLE HANDLING, PROPERTY DAMAGE AND PERSONAL INJURY.

TABLE 2

Axle, Knuckle, Tie Rod Arm and Tie Rod Assemblies

Wheel Base		Capacity		Key No. 34	Key No. 35, 36		Key No. 56, 57		Key No. 61
				Axle Assembly	Knuckle Assembly		Tie Rod Arm Assembly		Tie Rod Assembly
					Left Hand	Right Hand	Left Hand	Right Hand	
180-210	18K Single Steer, Left Hand Drive	80140-002	77243-001	77243-102	77244-033	77244-034	76879-002		
	18K Single Steer, Right Hand Drive	80140-003	77243-101	77243-002					
	20K Twin Steer	80140-004	77243-001						
211-240	20K Twin Steer	80140-005		77244-035	77244-036	76879-003			
240-260	24K with 425 mm Tires	80140-006		77244-037	77244-038				
	24K with 445 mm Tires	80140-007	77244-039	77244-040					



■ Special Tool

KINGPIN BUSHING TOOL – ADJUSTABLE STRAIGHT FLUTE REAMER

The dimension of cutting diameter
must facilitate a range of **2.00"-2.01"**



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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