

PARTS LIST

AIRTEK® • SOFTEK® Front Suspension Systems with STEERTEK™ NXT Axle for Blue Bird Buses

LIT NO: SP-172

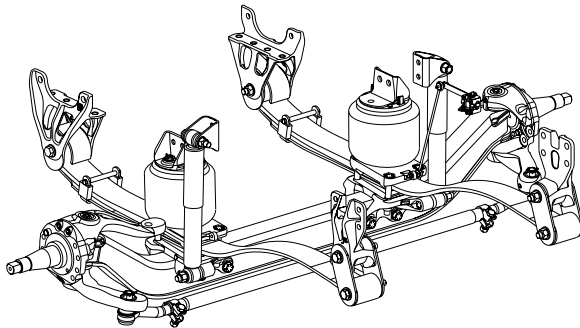
DATE: December 2024

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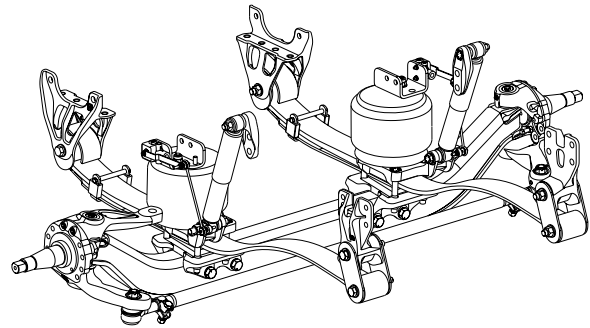
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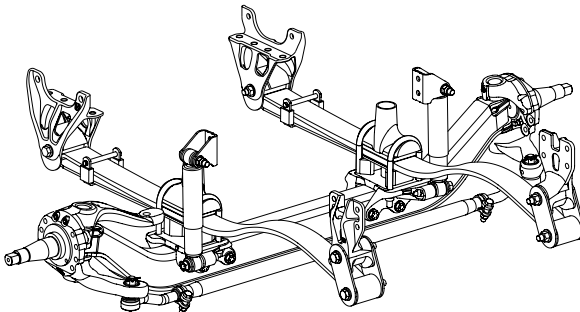
AIRTEK 10K • 12K lbs. Capacity



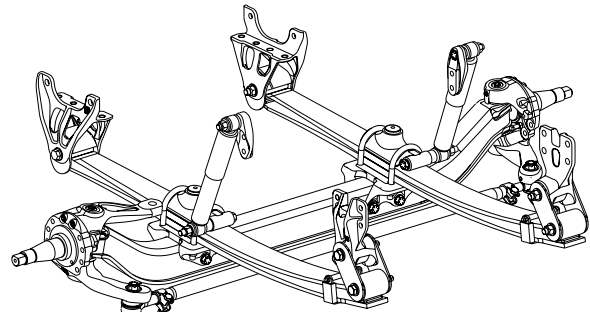
AIRTEK 13.2K • 14.6K lbs. Capacity



SOFTEK 8.5K • 10K • 12K lbs. Capacity

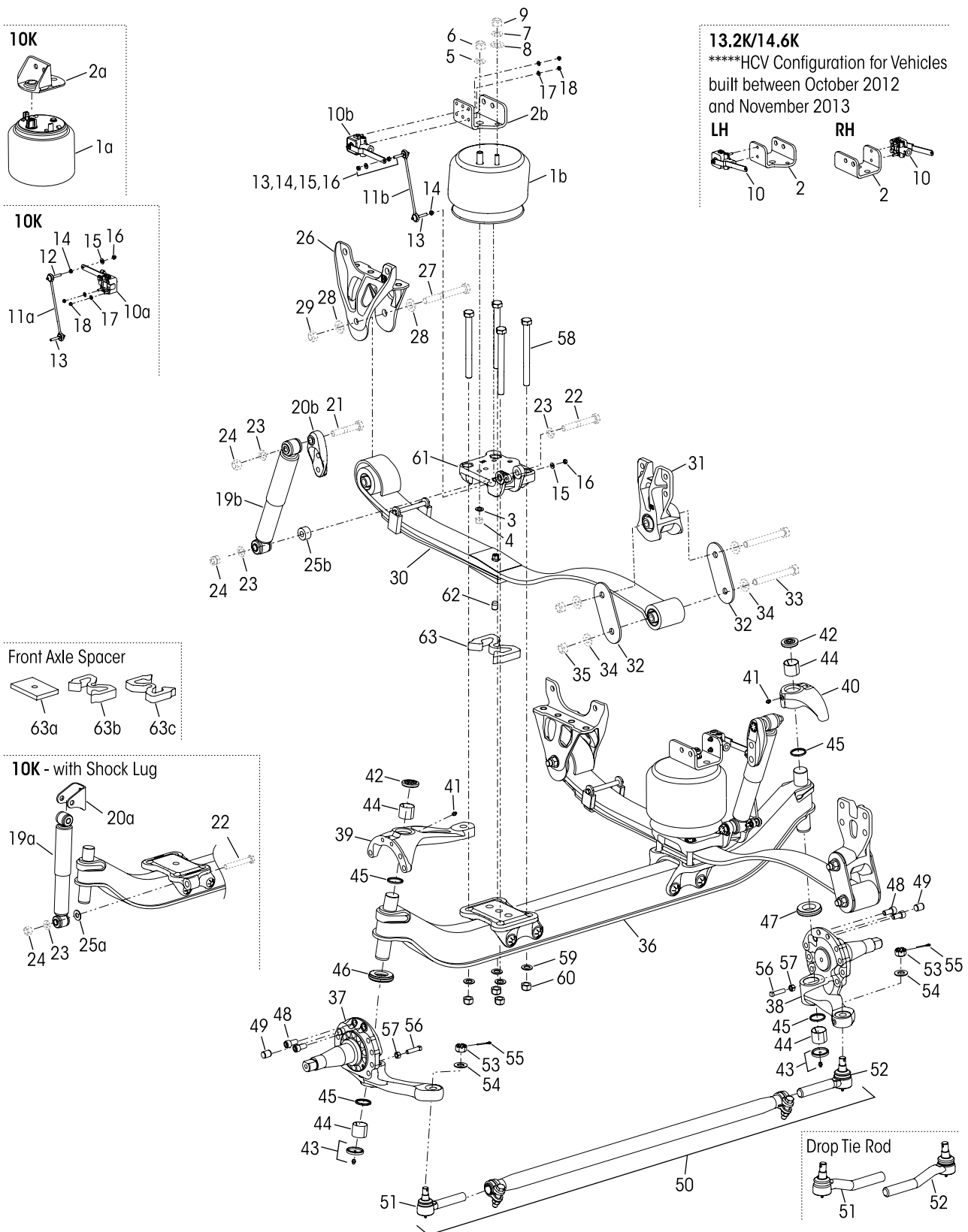


SOFTEK 13.2K • 14.6K lbs. Capacity



■ AIRTEK® equipped with STEERTEK™ NXT axle

Vision Buses – 10K • 12K Capacity | All American Buses – 13.2K • 14.6K Capacity





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Air Spring	2	36		Axle & Kingpin Assembly	1
a	64075-002L	10K • 12K				•5.36" Axle Drop	
b	66865-002L	13.2K • 14.6K		94986-002		10K Narrow, <i>Replaces 68986-007M</i>	
2		Air Spring Bracket	2	94986-003		12K Narrow, <i>Replaces 68986-001M</i>	
a	60850-001	10K • 12K		94986-004		13.2K, Narrow	
b	66807-002	13.2K • 14.6K, <i>Replaces 66807-001</i>		68986-002M		14.6K, Wide	
3	22962-014	½" Hardened Washer	2			•4.25" Axle Drop	
4		**½"-13 UNC Nylon Locknut	2	94986-001		13.2K, Narrow, <i>Replaces 68986-005M</i>	
5		**¾" Hardened Washer	2	93945-XXX		Lower Steering Knuckle Assembly, Includes Key Nos. 43-45, 56-57, <i>Replaces 58900-XXX</i>	
6		**¾"-16 UNF Nylon Locknut	2			• <i>Vehicles built after January 2025, see Selection Guide on Page 4</i>	
7		**Hardened Washer	2			• <i>Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5</i>	
8		**Wide Hardened Washer	2	37		Left Hand	1
9		**½"-13 UNC Nylon Locknut	2	38		Right Hand	1
	59427-008	10K • 12K - Height Control Valve, Link Mount & Linkage Assembly, Includes Key Nos. 10a, 11a, 12-18	1			Upper Steering Knuckle Assembly, Includes Key Nos. 41-42, 44-45	
	59013-001	*****13.2K • 14.6K - HCV Assembly, Includes Key Nos. 10b, 17-18, <i>Replaces 59013-000</i>	2			• <i>Vehicles built after January 2025, see Selection Guide on Page 4</i>	
	66825-001	13.2K • 14.6K, Linkage Assembly Includes Key Nos. 11b, 13-16	2			• <i>Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5</i>	
10		Height Control Valve		39	60903-XXX	Left Hand	1
a	59935-004	10K • 12K	1	40	60904-XXX	Right Hand	1
b	60501-001	13.2K • 14.6K, <i>Replaces 60501-000</i>	2			Kingpin Bushing and Bearing Service Kits	
11		Linkage Assembly				Axle Set , Includes Kit Nos. 60961-629 & -630	
a	59428-001	10K • 12K	1			Left Hand with Composite Thrust Bearing , Includes Key Nos. 41-46, 48 & Loctite	
b	59428-005	13.2K • 14.6K	2			Right Hand with Roller Thrust Bearing , Includes Key Nos. 41-45, 47-48 & Loctite	
12		*⅝"-18 UNC Stud - 2.07"	1	41	33117-000	Grease Zerk	2
13		*⅝"-18 UNC Stud - 2.44"	1	42	68687-003	Grease Cap Assembly, Upper	2
14		*⅝"-18 UNC Hex Nut	2	43	68687-002	Grease Cap Assembly, Lower	2
15		*⅝" Hardened Washer	2	44	58909-001	Kingpin Bushing	4
16		*⅝"-18 UNC Locknut	2			Thrust Bearing Service Kits	
17		*¼" Hardened Washer	2			Axle Set , Includes Kit Nos. 60961-632 & -633	
18		*¼"-20 UNC Locknut	2			Left Hand Composite Thrust Bearing , Includes Key Nos. 45-46, 48 & Loctite	
19		Shock Absorber	2			Right Hand Roller Thrust Bearing , Includes Key Nos. 45, 47-48 & Loctite	
a	58913-009L	10K • 12K		45	68731-000	Kingpin Seal	4
b	58913-011L	13.2K • 14.6K		46	59828-000	Left Hand Composite Thrust Bearing	1
20		Shock Absorber Bracket	2	47	64256-000L	Right Hand Roller Thrust Bearing	1
a	59423-002	10K • 12K		48	60236-001	⅝" Socket Head Cap Screw	4
b	67463-002	13.2K • 14.6K		Not Shown	60937-000	Loctite (Red) Compound Tube	1
21		**¾"-10 UNC Upper Shock Bolt	2	49	64246-000	ABS Sensor Sleeve	2
22		**¾"-10 UNC Lower Shock Bolt	2	50		Tie Rod Assembly, Includes Key Nos. 51-53, <i>See Selection Guide on Page 9</i>	1
23		**¾" Hardened Washer	6			Tie Rod End Service Kits , <i>See Selection Guide on Page 9</i>	
24		**¾"-10 UNC Hex Locknut	4			Axle Set , Includes LH and RH Kits	
25		Shock Absorber Spacer	2			Left Hand , Includes Key Nos. 51, 53-55	
a	22962-046	10K • 12K - 0.118" Thick				Right Hand , Includes Key Nos. 52-55	
b	59946-006	13.2K • 14.6K - 0.5" Thick				Tie Rod End, Includes Key No. 53, <i>See Selection Guide on Page 9</i>	
26	64488-002	Front Hanger	2	51		Left Hand	1
27		**M20 Hex Bolt - 170 mm	2	52		Right Hand	1
28		**M20 Hardened Washer	4	53		*⅞" Castle Nut	2
29		**M20 Locknut	2	54	22962-007	⅞" Flat Washer, <i>Used only for Vehicles built prior to January 2025</i>	2
	60961-163	Leaf Spring Assembly Service Kits , Axle Set , Includes Key Nos. 30-32		55	17800-004	Tie Rod Nut Cotter Pin	2
30	53487-000	Leaf Spring Assembly	2		60961-069	Stop Bolt Service Kit, One Side , Includes Key Nos. 56-57	
	60961-643	Rear Shackle Service Kit, Axle Set , Includes Key Nos. 31-32		56	60238-001	½"-13 UNC Square Head Bolt	2
31	66510-001	Rear Shackle Bracket with Bushing	2	57	60240-000	½"-13 UNC Hex Jam Nut	2
32	64314-000	Rear Shackle Plate	4				
33		**M20 x 150 mm Hex Bolt	4				
34		**M20 Hardened Washer	8				
35		**M20 Locknut	4				
	94987-XXX	STEERTEK NXT Axle Assembly, Includes Key Nos. 36-55, <i>Replaces 68987-XXX</i> , • <i>Vehicles built after January 2025, see Selection Guide on Page 4</i> • <i>Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5</i>	1				



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
		Clamp Group Service Kits, Includes Key Nos. 58-60		61		Top Pad	
		• Axle Set				• Left Hand	
	60961-673	6.5" • 6.8" Ride Height			64516-001	10K • 12K	1
	60961-692	7.8" Ride Height, Includes Key No. 62			66814-001	13.2K • 14.6K	1
	60961-674	8.5" • 8.8" Ride Height, Includes Key No. 62				• Right Hand	
	60961-693	9.8" Ride Height, Includes Key No. 62			64516-002	10K • 12K	1
		• One Side			66814-002	13.2K • 14.6	1
	34013-297	6.5" • 6.8" Ride Height		62		Dowel Pin	2
	34013-366	7.8" Ride Height				6.8" Ride Height	None Req.
	34013-365	8.5" • 8.8" Ride Height			18831-022	7.8" Ride Height - 1 1/8" Length	
	34013-367	9.8" Ride Height			18831-021	8.5" • 8.8" Ride Height - 2" Length	
					18831-023	9.8" Ride Height - 3" Length	
58		3/4"-16 UNF Hex Bolt	8	63		Front Axle Spacer	As Req.
	21867-036	6.5" • 6.8" Ride Height - 5.0" Length				• Left Hand	
	21867-007	7.8" Ride Height - 6.0" Length		a	70105-010	6.5" • 6.8" Ride Height - 10 mm Thickness	
	21867-006	8.5" • 8.8" Ride Height - 7.0" Length		b	64536-035	7.8" Ride Height - 35 mm Thickness	
	21867-004	9.8" Ride Height - 8.0" Length		b	64536-060	8.5" • 8.8" Ride Height - 60 mm Thickness	
59	22962-001	3/4" Flat Washer	8	b	64536-085	9.8" Ride Height - 85 mm Thickness	
60	17700-035	3/4"-16 UNF 2B Nylon Locknut	8			• Right Hand	
				c	64536-025	7.8" Ride Height - 25 mm Thickness	
				c	64536-050	8.5" Ride Height - 50 mm Thickness	
				c	64536-075	9.8" Ride Height - 75 mm Thickness	

STEERTEK NXT Axle Assembly Selection Guide

Vehicles built after January 2025

	Ackermann	Brake Type	STEERTEK NXT Assembly Part No.	Lower Steering Knuckle Assembly Part No.		Upper Steering Knuckle Assembly Part No.	
			Vehicles built After 01/2025	Left Hand	Right Hand	Left Hand	Right Hand
10K	200"	Air	94987-007	93945-233	93945-234	60903-252	60904-202
	250"		94987-008	93945-231	93945-232		
	200"	Hydraulic	94987-009	93945-253	93945-254		
	250"		94987-010	93945-251	93945-252		

12K	200"	Air	94987-011	93945-233	93945-234	60903-252	060904-202
	250"		94987-012	93945-232	93945-232		
	200"	Hydraulic	94987-013	93945-253	93945-254		
	250"		94987-014	93945-251	93945-252		
	150"	Air	94987-015	93945-235	93945-236	60903-216	
	200"		94987-016	93945-233	93945-234		
	250"		94987-017	93945-231	93945-232		
	150"	Hydraulic	94987-018	93945-255	93945-256		
	200"		94987-019	93945-253	93945-254		
	250"		94987-020	93945-251	93945-252		

		Axle Drop					
		4.25"	5.36"				
13.2K	150"	Air	94987-001	94987-021	93945-235	93945-236	60903-258
	200"		94987-002	94987-022	93945-233	93945-234	
	250"		94987-003	94987-023	93945-231	93945-232	
	150"	Hydraulic	94987-004	94987-024	93945-255	93945-256	
	200"		94987-005	94987-025	93945-253	93945-254	
	250"		94987-006	94987-026	93945-251	93945-252	



STEERTEK NXT Axle Assembly Selection Guide

Vehicles built between October 2012 and January 2025

	Ackermann	Brake Type	STEERTEK NXT Assembly Part No.		Lower Steering Knuckle Assembly Part No.		Upper Steering Knuckle Assembly Part No.	
			Vehicles Built					
			After May 2017	Prior to May 2017	Left Hand	Right Hand	Left Hand	Right Hand
10K • 12K	200"	Air	—	68987-007	58900-233	58900-234	60903-216	60904-202
	250"		—	68987-008	58900-231	58900-232		
	200"	Hydraulic	—	68987-011	58900-253	58900-254		
	250"		—	68987-012	58900-251	58900-252		
	200"	Air	68987-053	68987-045	58900-233	58900-234	60903-252	
	250"		68987-054	68987-046	58900-231	58900-232		
	200"	Hydraulic	68987-055	68987-047	58900-253	58900-254		
	250"		68987-056	68987-048	58900-251	58900-252		
			Axle Drop					
			4.25"	5.36"				
13.2K	150"	Air Disc	68987-027	68987-033	58900-235	58900-236	60903-258	60904-202
	200"		68987-028	68987-034	58900-233	58900-234		
	250"		68987-029	68987-035	58900-231	58900-232		
	150"	Hydraulic	68987-030	68987-036	58900-255	58900-256		
	200"		68987-031	68987-037	58900-253	58900-254		
	250"		68987-032	68987-038	58900-251	58900-252		
14.6K	150"	Air Disc	68987-021	68987-015	58900-235	58900-236	60903-255	60904-202
	200"		68987-022	68987-016	58900-233	58900-234		
	250"		68987-023	68987-017	58900-231	58900-232		
	150"	Hydraulic	68987-024	68987-018	58900-255	58900-256		
	200"		68987-025	68987-019	58900-253	58900-254		
	250"		68987-026	68987-020	58900-251	58900-252		

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

** 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.

*** In June 2020, 8.5K and 10K capacity vehicles the 2-leaf spring assemblies were updated with leaf and half spring assemblies. To perform component replacement for vehicles built prior to June 2020, the option to replace the as-equipped leaf assemblies is still available or, to update with the leaf and half spring assembly is acceptable, although the update will require that both leaf spring assemblies be replaced.

**** Replacement of both left hand and right hand Top Pad is required when servicing the Top Pad Part No. 66814-001/ -002 on AIRTEK with 13.2K • 14.6K capacity built PRIOR to October 2012 (Key No. 66 on Page 10).

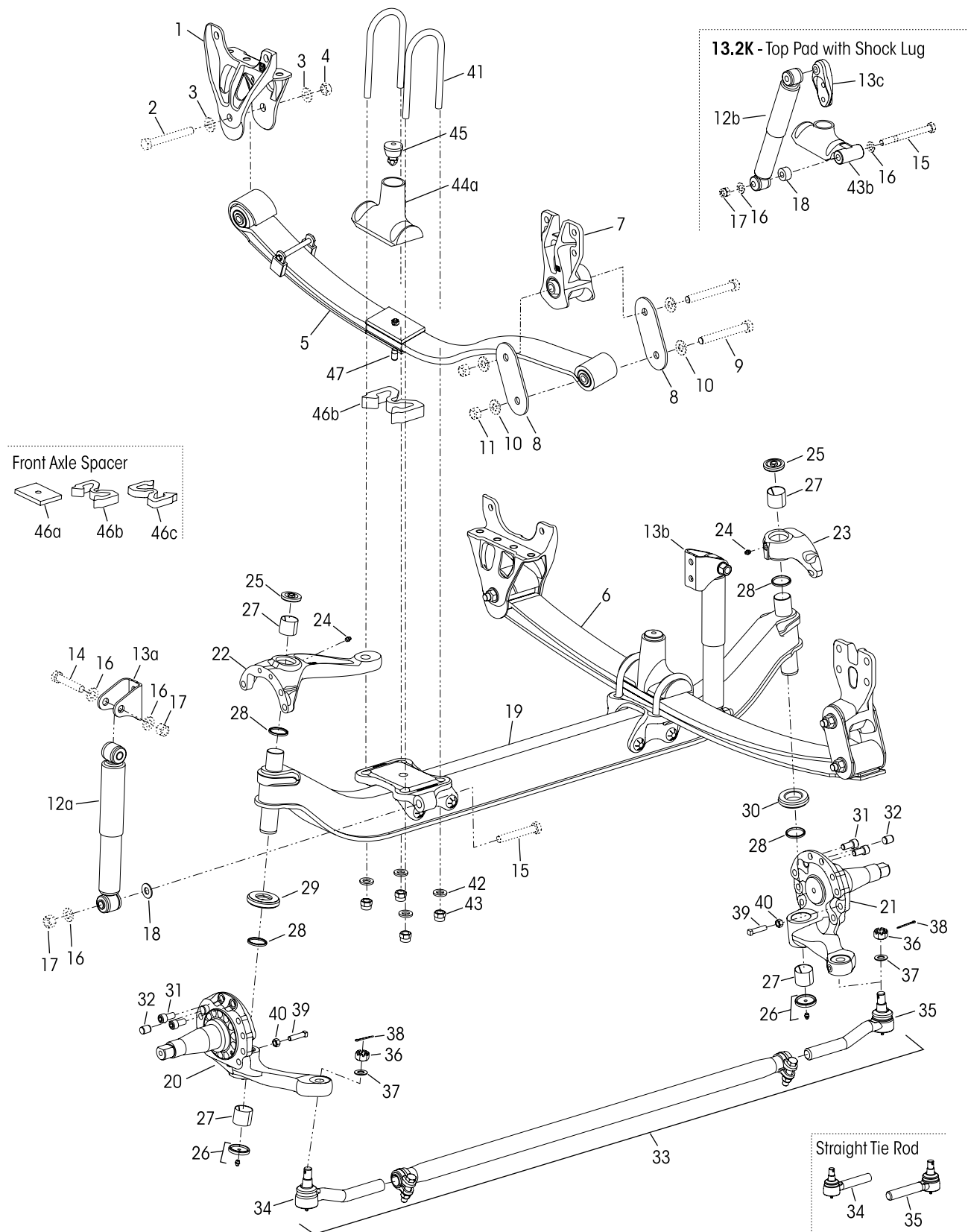
***** When servicing Height Control Valve Assembly on AIRTEK with 13.2K • 14.6K capacity

- Built BETWEEN October 2012 and November 2013 – replace the height control valve assembly with 59013-000.
- Built AFTER November 2013 – replace the height control valve assembly with 59013-001.

***** Effective July 2019 STEERTEK axles for Blue Bird will no longer be available for service, see Replacement Guide on Page 13. Axle replacement with a STEERTEK NXT axle assembly is required. For more information, contact Hendrickson Tech Services.

■ **SOFTEK® equipped with STEERTEK™ NXT axle**

Vision Buses – 8.5K • 10K • 12K Capacity | All American Buses – 13.2K • 14.6K Capacity





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	64488-002	Front Frame Hanger	2			Upper Steering Knuckle Assembly, Includes Key Nos. 24-25 27-28	
2		**M20 x 170 mm Hex Bolt	2			• Vehicles built after January 2025, see Selection Guide on Page 4	
3		**M20 Hardened Washer	4			• Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5	
4		**M20 Locknut	2	22	60903-XXX	Left Hand	1
		Leaf and ½ Spring Assembly Service Kits , for vehicles built after June 2020		23	60904-XXX	Right Hand	1
	34013-428	Axle Set, 8.5K, Includes Key Nos. 5a, 7-8				Kingpin Bushing and Bearing Service Kits	
	34013-429	Axle Set, 10K • 12K, Includes Key Nos. 5b, 7-8				Axle Set , Includes Kit Nos. 60961-629 & -630	
5		Leaf and ½ Spring Assembly	2			Left Hand with Composite Thrust Bearing , Includes Key Nos. 24-29, 31 & Loctite	
		***Vehicles built after June 2020				Right Hand with Roller Thrust Bearing , Includes Key Nos. 24-28, 30-31 & Loctite	
	a 82586-000	8.5K			60961-628		
	b 82585-000	10K • 12K			60961-629		
		2-leaf Spring Assembly Service Kits , for vehicles built prior to June 2020			60961-630		
	60961-161	Axle Set, 8.5K, Includes Key Nos. 6a, 7-8		24	33117-000	Grease Zerk	2
	60961-162	Axle Set, 10K • 12K, Includes Key Nos. 6b, 7-8		25	68687-003	Grease Cap Assembly, Upper	2
6		2-Leaf Spring Assembly		26	68687-002	Grease Cap Assembly, Lower	2
		***Vehicles built prior to June 2020		27	58909-001	Kingpin Bushing	4
	a 53627-000	8.5K, Replaces 66623-001				Thrust Bearing Service Kits	
	b 53624-000	10K • 12K, Replaces 66624-001				Axle Set , Includes Kit Nos. 60961-632 & -633	
	c 53625-000	13.2K, Replaces 66625-001				Left Hand Composite Thrust Bearing , Includes Key Nos. 28-29, 31 & Loctite	
	d 53626-000	14.6K, Replaces 66626-001				Right Hand Roller Thrust Bearing , Includes Key Nos. 28, 30-31 & Loctite	
	60961-643	Rear Shackle Service Kit, Axle Set , Includes Key Nos. 7-8		28	68731-000	Kingpin Seal	4
7	66510-001	Rear Shackle Bracket	2	29	59828-000	Left Hand Composite Thrust Bearing	1
8	64314-000	Rear Shackle Plate	4	30	64256-000L	Right Hand Roller Thrust Bearing	1
9		**M20 x 150 mm Hex Bolt	4	31	60236-001	¾" Socket Head Cap Screw	4
10		**M20 Hardened Washer	8	Not Shown	60937-000	Loctite® (Red) Compound Tube	1
11		**M20 Locknut	4	32	64246-000	ABS Sensor Sleeve	2
12		Shock Absorber	2	33		Tie Rod Assembly, Includes Key Nos. 34-36, See Selection Guide on Page 9	1
	a 58913-009L	8.5K • 10K • 12K				Tie Rod End Service Kits , See Selection Guide on Page 9	
	b 58913-010L	13.2K • 14.6K				Axle Set , Includes LH and RH Kits	
13		Shock Absorber Bracket	2			Left Hand , Includes Key Nos. 34, 36-38	
	a 59423-032	8.5K • 10K • 12K, vehicles built after June 2020				Right Hand , Includes Key Nos. 35-38	
	b 59423-002	8.5K • 10K • 12K, vehicles built prior to June 2020		34		Tie Rod End, Includes Key No. 36	
	c 67463-002	13.2K • 14.6K				Left Hand, See Selection Guide on Page 9	1
14		*¾"-10 UNC Upper Shock Bolt	2	35		Right Hand, See Selection Guide on Page 9	1
15		*¾"-10 UNC Lower Shock Bolt	2	36		**¾" Castle Nut	2
16		*¾" Hardened Washer	6	37	22962-007	⅞" Flat Washer, Used only for Vehicles built prior to January 2025	2
17		*¾"-10 UNC Hex Locknut	4	38	17800-004	Tie Rod Nut Cotter Pin	2
18		Shock Absorber Spacer	2		60961-069	Stop Bolt Service Kit, One Side , Includes Key Nos. 39-40	
	22962-046	8.5K • 10K • 12K (Flat Washer) - 0.118" Thick		39	60238-001	½"-13 UNC Square Head Bolt	2
	59946-001	13.2K • 14.6K - ⅞" Thickness		40	60240-000	½"-13 UNC Hex Jam Nut	2
	94987-XXX	STEERTEK NXT Axle Assembly , Includes Key Nos. 19-40, Replaces 68987-XXX	1			Clamp Group Service Kit , Includes Key Nos. 41-43	
		• Vehicles built after January 2025, see Selection Guide on Page 4				• Axle Set	
		• Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5				6.5" • 6.8" Ride Height	
19		Axle & Kingpin Assembly	1			7.8" Ride Height	
		• 5.36" Axle Drop				8.5" • 8.8" Ride Height	
	94986-002	8.5" • 10K Narrow, Replaces 68986-007M				9.8" Ride Height	
	94986-003	12K Narrow, Replaces 68986-001M				• One Side	
	94986-004	13.2K, Narrow				6.5" • 6.8" Ride Height	
	68986-003M	14.6K, Wide				7.8" Ride Height	
		• 4.25" Axle Drop				8.5" • 8.8" Ride Height	
	94986-001	13.2K, Narrow, Replaces 68986-004M				9.8" Ride Height	
	93945-XXX	Lower Steering Knuckle Assembly, Includes Key Nos. 26-28, 39-40, Replaces 58900-XXX				¾"-16 UNF U-bolt	4
		• Vehicles built after January 2025, see Selection Guide on Page 4				6.5" • 6.8" Ride Height - 6½" Length	
		• Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5				7.8" Ride Height - 7½" Length	
20		Left Hand	1			8.5" • 8.8" Ride Height - 8½" Length	
21		Right Hand	1			9.8" Ride Height - 9½" Length	
				41	64804-065	6.5" • 6.8" Ride Height - 6½" Length	
					64804-075	7.8" Ride Height - 7½" Length	
					64804-085	8.5" • 8.8" Ride Height - 8½" Length	
					64804-095	9.8" Ride Height - 9½" Length	
				42	22962-001	¾" Flat Washer	8
				43	17700-035	¾"-16 UNF 2B Nylon Locknut	8



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
		Top Pad/Axle Stop Assembly, Includes Key Nos. 44-45		46		Front Axle Spacer	As Req.
	64506-000	8.5K • 10K • 12K		a	70105-010	LH 6.5" • 6.8" Ride Height - 10 mm Thickness	
	66806-001	13.2K • 14.6K		b	64536-035	LH 7.8" Ride Height - 35 mm Thickness	
44		Top Pad	2	b	64536-060	LH 8.5" • 8.8" Ride Height - 60 mm Thickness	
a	64519-000	8.5K • 10K • 12K		b	64536-085	LH 9.8" Ride Height - 85 mm Thickness	
b	66666-000	13.2K • 14.6K		c	64536-025	RH 7.8" Ride Height - 25 mm Thickness	
45	64080-000	Rubber Axle Stop	2	c	64536-050	RH 8.5" Ride Height - 50 mm Thickness	
				c	64536-075	RH 9.8" Ride Height - 75 mm Thickness	
				47		Dowel Pin	2
						6.8" Ride Height	None Req.
					18831-022	7.8" Ride Height - 1.13" Length	
					18831-021	8.5 • 8.8" Ride Height - 2" Length	
					18831-023	9.8" Ride Height - 3" Length	


■ Tie Rod Selection Guide

		Axle Model	Ackermann	Tie Rod Assembly Part No.	Tie Rod End Part No.	Tie Rod End Service Kit No.		
8.5K • 10K • 12K	Drop Tie Rods – 1¼"Threads	Vehicles built after March 2014						
		STEERTEK NXT	150" / 200"	76878-003	76875-001 (LH) 76875-002 (RH)	60961-737 (Axle Set) 60961-739 (LH) 60961-740 (RH)		
			250"	76878-001				
		*Vehicles built prior to March 2014						TIE ROD ASSEMBLY REPLACEMENT PART NO.
		STEERTEK NXT STEERTEK	150" / 200"	66699-003	♦ Tie rod end kits are no longer available for these assembly numbers, requires complete tie rod assembly replacement.	76878-003		
	250"		66699-001	76878-001				
	150" / 200"		59948-005	76878-003				
	250"		59948-006	76878-001				

13.2K	Straight Tie Rods – 1 1/8" Threads	Vehicles built after March 2014					
		STEERTEK NXT	150"	76877-004	70995-001 (LH) 70995-002 (RH)	60961-734 (Axle Set) 60961-736 (LH) 60961-741 (RH)	
			200"	76877-005			
			250"	76877-001			
			250"	76877-006			
		*Vehicles built prior to March 2014					TIE ROD ASSEMBLY REPLACEMENT PART NO.
		STEERTEK NXT STEERTEK	150"	60239-004	♦ Tie rod end kits are no longer available for these assembly numbers, requires complete tie rod assembly replacement.	76877-004	
			200"	60239-005		76877-005	
			250"	60239-001		76877-001	
			250"	60239-006		76877-006	

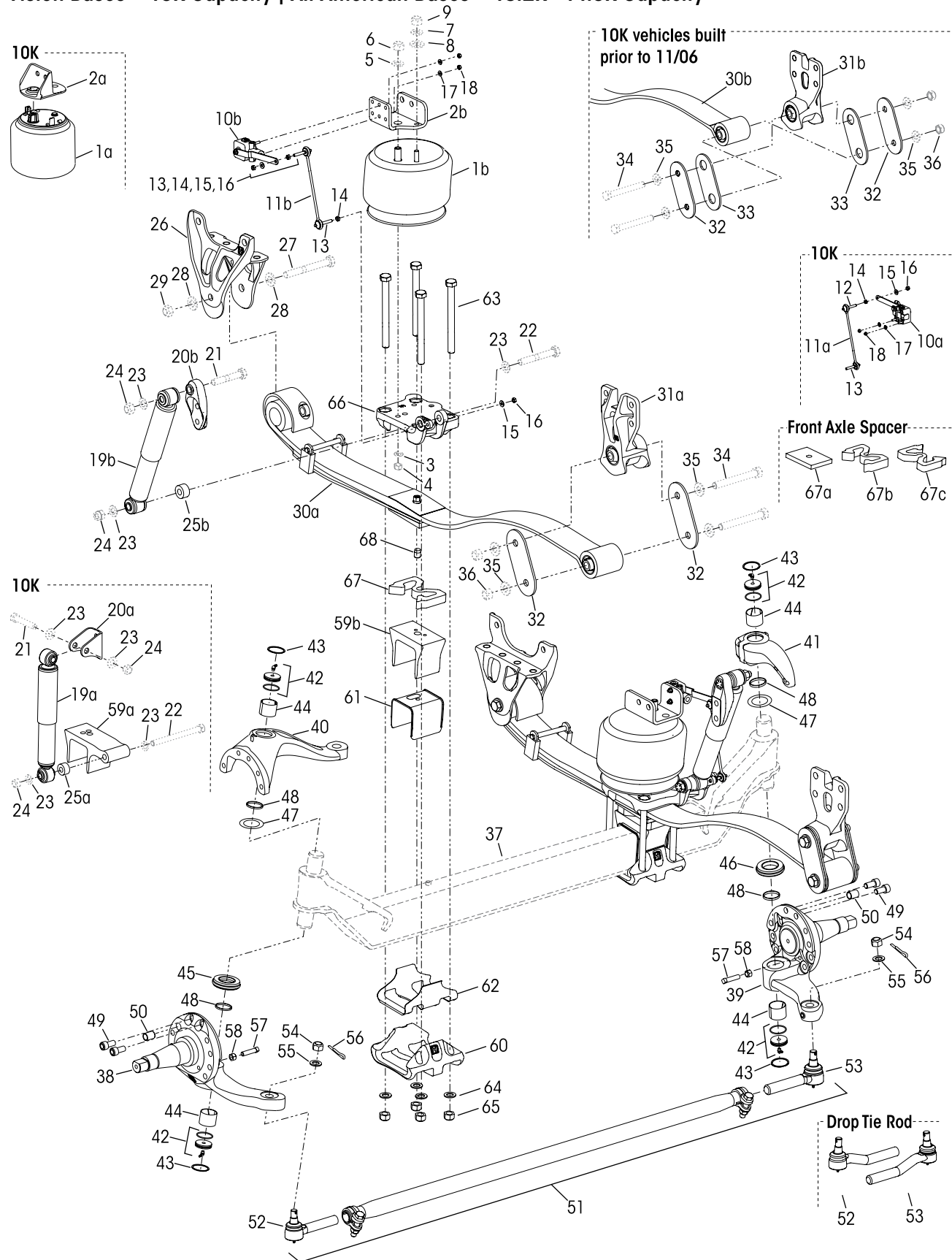
14.6K	Straight Tie Rods – 1¼"Threads	Vehicles built after March 2014				
		STEERTEK NXT	150"	76879-001	76876-001 (LH) 76876-002 (RH)	60961-735 (Axle Set) 60961-742 (LH) 60961-743 (RH)
			◆◆200" / 250"	76879-002		
			250"	76879-003		
		Vehicles built prior to March 2014				
		STEERTEK NXT STEERTEK	150"	64006-001	64002-001 (LH) 64002-002 (RH)	60961-011 (Axle Set) 60961-027 (LH) 60961-028 (RH)
			◆◆200" / 250"	64006-002		
			250"	64006-003		

NOTE: ♦ Hendrickson supplies various tie rod assemblies. **Locate the TIE ROD ASSEMBLY part number on the tie rod tube** to help determine what tie rod end kit or complete tie rod assembly replacement to use for service as shown in the Tie Rod Selection Guide.

♦♦ For 68987-018 and 68987-024 STEERTEK NXT axle assembly.

■ **AIRTEK® equipped with STEERTEK™ axle built prior to October 2012**

Vision Buses – 10K Capacity | All American Buses – 13.2K • 14.6K Capacity





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Air Spring	2		94987-XXX	STEERTEK NXT Axle Assembly, <i>Replaces STEERTEK Axle 60952-XXX, See Page 2 for included parts</i>	1
a	64075-002L	10K				• Vehicles built after January 2025, see Selection Guide on Page 4	
b	66865-002L	13.2K • 14.6K				• Vehicles built between October 2012 and January 2025, see Selection Guide on Page 5	
2		Air Spring Bracket	2	37	64905-XXX	*****Axle & Kingpin Assembly <i>No longer available, see Replacement Guide on Page 13</i>	1
a	60850-001	10K		38		Left Hand Lower Steering Knuckle Assembly Includes Key Nos. 37, 41	1
b	66807-002	13.2K • 14.6K, <i>Replaces 66807-001</i>			58900-035	150 Ackermann Air Brake, Includes Key No. 43	
3		**1/2" Hardened Washer	2		58900-033	200 Ackermann Air Brake, Includes Key No. 43	
4		**1/2"-13 UNC Nylon Locknut	2		58900-031	250 Ackermann Air Brake, Includes Key No. 43	
5		**3/4" Hardened Washer	2		58900-055	150 Ackermann Hydraulic Brake	
6		**3/4"-16 UNF Nylon Locknut	2		58900-053	200 Ackermann Hydraulic Brake	
7		**Hardened Washer	2		58900-051	250 Ackermann Hydraulic Brake	
8		**Wide Hardened Washer	2	39		Right Hand Lower Steering Knuckle Assembly Includes Key Nos. 37, 41	1
9		**1/2"-13 UNC Nylon Locknut	2		58900-036	150 Ackermann Air Brake, Includes Key No. 43	
	59427-008	Height Control Valve, Link Mount and Linkage Assembly 10K, Includes Key Nos. 10a, 11a, 12-18	1		58900-034	200 Ackermann Air Brake, Includes Key No. 43	
	59013-000	*****Height Control Valve Assembly 13.2K • 14.6K, Includes Key Nos. 10b, 17-18	2		58900-032	250 Ackermann Air Brake, Includes Key No. 43	
	66825-001	Height Control Valve Linkage Assembly 13.2K • 14.6K, Includes Key Nos. 11b, 13-16	2		58900-056	150 Ackermann Hydraulic Brake	
10		Height Control Valve			58900-054	200 Ackermann Hydraulic Brake	
a	59935-004	10K	1		58900-052	250 Ackermann Hydraulic Brake	
b	60501-000	13.2K • 14.6K	2	40		Left Hand Upper Steering Knuckle Assembly Includes Key Nos. 37, 41	1
11		Linkage Assembly			60903-016	10K	
a	59428-001	10K	1		60903-058	13.2K	
b	59428-005	13.2K • 14.6K	2		60903-055	14.6K	
12	59169-000	*5/16"-18 UNC Stud - 2.07"	1	41	60904-002	Right Hand Upper Steering Knuckle Assembly Includes Key Nos. 37, 41	1
13	59169-003	*5/16"-18 UNC Stud - 2.44"	1			Kingpin Bushing and Bearing Service Kits	
14	17491-011	*5/16"-18 UNC Hex Nut	2		60961-040	Axle Set , Includes Kit Nos. 60961-009 & -039	
15	22962-029	*5/16" Hardened Washer	2		60961-009	Left Hand with Composite Thrust Bearing , Includes Key Nos. 35-38, 40-42, Loctite	
16	59016-000	*5/16"-18 UNC Locknut	2		60961-039	Right Hand with Roller Thrust Bearing , Includes Key Nos. 35-37, 39-42, Loctite	
17	22962-028	*1/4" Hardened Washer	2	42	59156-000	Grease Cap Assembly	4
18	49983-000	*1/4"-20 UNC Locknut	2	43	58937-000	Retaining Ring	4
19		Shock Absorber	2	44	58909-000	Kingpin Bushing	4
a	58913-009L	10K, <i>Replaces 58913-008</i>				Thrust Bearing Service Kits	
b	58913-011L	13.2K • 14.6K			60961-043	Axle Set , Includes Kit Nos. 60961-632 & -633	
20		Shock Bracket	2		60961-041	Left Hand Composite Thrust Bearing , Includes Key Nos. 38, 40-42, Loctite	
a	59423-002	10K			60961-042	Right Hand Roller Thrust Bearing , Includes Key Nos. 39-42, Loctite	
b	67463-002	13.2K • 14.6K, <i>Replaces 65000-002</i>		45	59828-000	Left Hand Composite Thrust Bearing	1
21		**3/4"-10 UNC Upper Shock Bolt	2	46	64256-000L	Right Hand Roller Thrust Bearing	1
22		**3/4"-10 UNC Lower Shock Bolt	2	47		Kingpin Shim 0.005" Thickness (Pack of 4)	As Req.
23		**3/4" Hardened Washer	8		60259-001X	0.047" Thickness	
24		**3/4"-10 UNC Hex Locknut	4	48	58910-001	Kingpin Seal, <i>Replaces 58910-000</i>	4
25		Shock Spacer	2	49	60236-001	*5/8"-11 UNC Socket Head Cap Screw	4
a	59946-001	10K - 0.9" Thick		Not Shown	60937-000	Loctite (Red) Compound Tube	1
b	59946-006	13.2K • 14.6K - 0.5" Thick		50	64246-000	ABS Sensor Sleeve	2
26	64488-002	Front Hanger, <i>Replaces 64488-000</i>	2	51		Tie Rod Assembly, 10K, 5.36" Drop, Includes Key Nos. 52-54, <i>See Selection Guide on Page 9</i>	1
27		**M20 x 170 mm Hex Bolt	2			Tie Rod End Service Kits , <i>See Selection Guide on Page 9</i>	
28		**M20 Hardened Washer	4			Axle Set , Includes Left Hand and Right Hand Kits	
29		**M20 Locknut	2			Left Hand , Includes Key Nos. 52, 54-56	
	60961-163	Leaf Spring Assembly Service Kit, Axle Set , Includes Key Nos. 30a, 31a, 32				Right Hand , Includes Key Nos. 53-56	
30		Leaf Spring Assembly	2				
a	53487-000	For vehicles built after 11/06, <i>Replaces 66805-001</i>					
b	60512-000	For vehicles built prior to 11/06					
	60961-643	Rear Shackle Service Kit, Axle Set , Includes Key Nos. 31a, 32					
31		Rear Shackle Bracket w/Bushing	2				
a	66510-001	For vehicles built after 11/06					
b	64316-000	For vehicles built prior to 11/06					
32	64314-000	Rear Shackle Plate	4				
33	64159-000	Thrust Washer 10K, Only for vehicles built prior to 11/06	4				
34		**M20 x 150 mm Hex Bolt	4				
35		**M20 Hardened Washer	8				
36		**M20 Locknut	4				



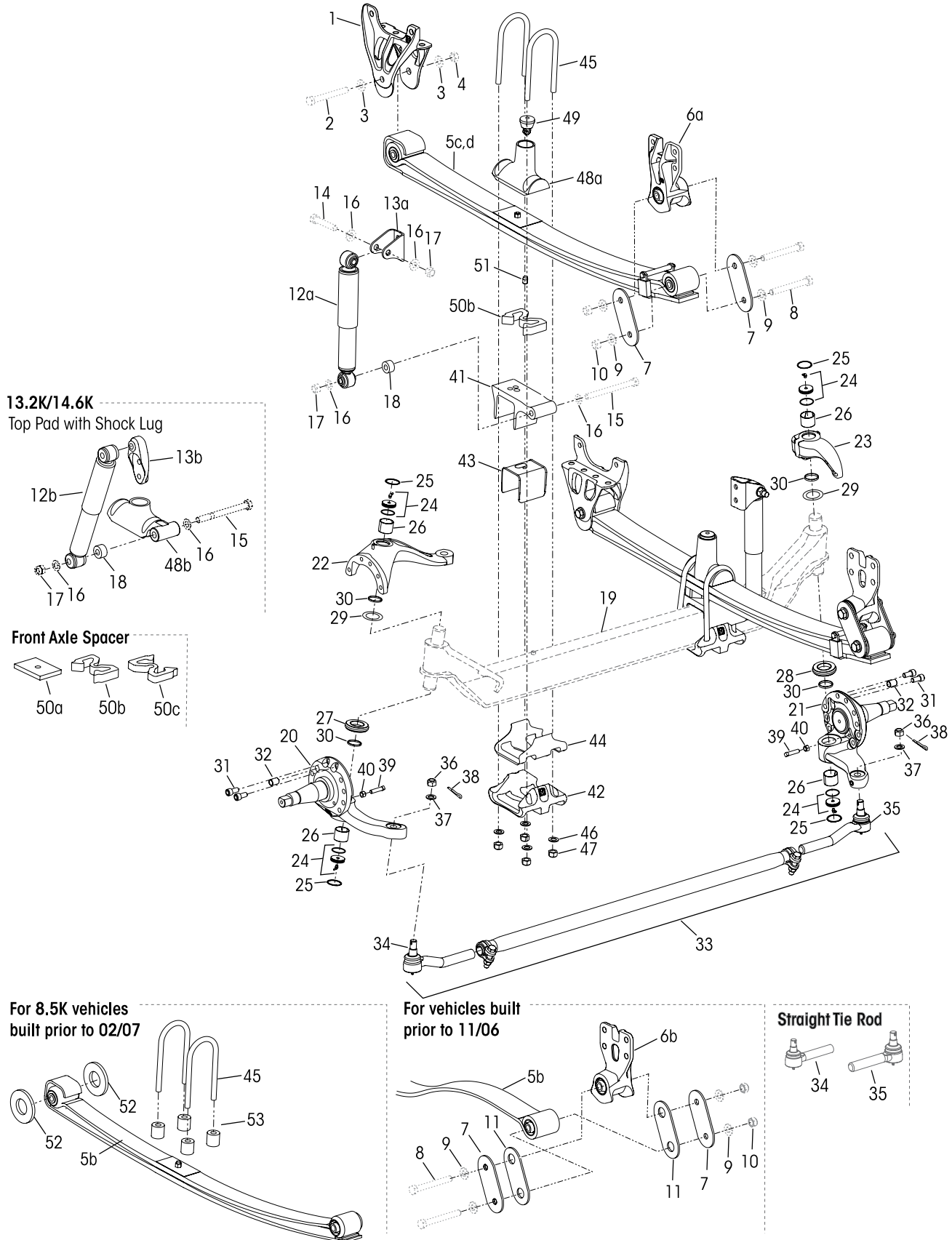
KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
		Tie Rod End, Includes Key No. 54, See <i>Selection Guide on Page 9</i>		64	22962-001	¾" Flat Washer	8
52		Left Hand	1	65	17700-035	¾"-16 UNF 2B Nylon Locknut	8
53		Right Hand	1	66		Top Pad	
54		*⅝" Castle Nut	2		64516-001	Left Hand - 10K	1
55	22962-007	⅞" Flat Washer	2		64516-002	Right Hand - 10K	1
56	17800-004	Tie Rod Nut Cotter Pin	2		66814-001	****Left Hand - 13.2K•14.6K	1
	60961-069	Stop Bolt Service Kit, One Side, Includes Key Nos. 57-58			66814-002	****Right Hand - 13.2K•14.6K	1
57	60238-001	½"-13 UNC Square Head Bolt	2	67		Front Axle Spacer	As Req.
58	60240-000	½"-13 UNC Hex Jam Nut	2	a	70105-010	LH 6.5" • 6.8" Ride Height - 10 mm Thickness <i>Replaces 64536-010</i>	
59		Top Axle Wrap	2	b	64536-035	LH 7.8" Ride Height - 35 mm Thickness	
a	59952-003	10K		b	64536-060	LH 8.5" • 8.8" Ride Height - 60 mm Thickness	
b	59952-026	13.2K•14.6K		b	64536-085	LH 9.8" Ride Height - 85 mm Thickness	
60	64722-003	Bottom Axle Wrap	2	c	64536-025	RH 7.8" Ride Height - 25 mm Thickness	
	60961-015	Top/Bottom Axle Wrap Liner Service Kit, One Side, Includes Key Nos. 61-62		c	64536-050	RH 8.5" Ride Height - 50 mm Thickness	
61	60508-000	Top Axle Wrap Liner	2	c	64536-075	RH 9.8" Ride Height - 75 mm Thickness	
62	59845-000	Bottom Axle Wrap Liner	2	68		Dowel Pin	2
	60961-XXX	Clamp Group Service Kit, Axle Set, Includes Key Nos. 63-65, See <i>Replacement Guide on Page 13</i>			18831-022	6.8" Ride Height	None Req.
63	21867-XXX	¾"-16 UNF Hex bolt, see <i>Replacement Guide on Page 13</i>	8		18831-021	7.8" Ride Height - 1.13" Length	
					18831-023	8.5 • 8.8" Ride Height - 2" Length	
						9.8" Ride Height - 3" Length	


■ STEERTEK Axle (Discontinued July 2019) Conversion Replacement Guide

Axle Rating	Ride Height	Axle & Kingpin Assembly			Clamp Group Bolt				Clamp Group Replacement Kit No.
		STEERTEK AXLE	STEERTEK NXT AXLE		Prior	Length	New Part No.	Length	
		built prior to 10/2012	built between 10/2012 and 01/2025	built after 01/2025					
Page 10		AIRTEK							
10K	6.5"	64905-004	68986-007M	94986-002	21867-044	10"	21867-036	5"	60961-673
	8.5"				21867-045	12"	21867-006	7"	60961-674
13.2K 14.6K	6.8"	64905-002 64905-007	68986-005M 68986-002M	94986-004 94986-001	21867-044	10"	21867-036	5"	60961-673
	7.8"				21867-027	11"	21867-007	6"	60961-692
	8.8"				21867-045	12"	21867-006	7"	60961-674
	9.8"				21867-035	13"	21867-004	8"	60961-693
Page 14		SOFTEK							
8.5K 10K	6.5"	64905-004	68986-007M	94986-002	64804-110	11"	64804-065	6.5"	60961-669
	8.5"				64804-130	13"	64804-085	8.5"	60961-671
13.2K 14.6K	6.8"	64905-002 64905-005	68986-004M 68986-003M	94986-004 94986-001	64804-120	12"	64804-065	6.5"	60961-669
	7.8"				64804-130	13"	64804-075	7.5"	60961-670
	8.8"				64804-140	14"	64804-085	8.5"	60961-671
	9.8"				64804-150	15"	64804-095	9.5"	60961-672

■ **SOFTEK®** equipped **STEERTEK™** axle built **PRIOR** to October 2012

Vision Buses – 8.5K • 10K Capacity | All American Buses – 13.2K • 14.6K Capacity





VEHICLE				VEHICLE			
KEY NO.	PART NO.	DESCRIPTION	QTY.	KEY NO.	PART NO.	DESCRIPTION	QTY.
1	64488-002	Front Hanger, <i>Replaces 64488-000</i>	2	22		Left Hand Upper Steering Knuckle Assembly Includes Key Nos. 26, 30	1
2		**M20 x 170 mm Hex Bolt	2		60903-016	8.5K • 10K	
3		**M20 Hardened Washer	4		60903-058	13.2K	
4		**M20 Locknut	2		60903-055	14.6K	
5		Leaf Spring Assembly	2	23	60904-002	Right Hand Upper Steering Knuckle Assembly Includes Key Nos. 26, 30	1
		• Vehicles built after 11/06				Kingpin Bushing and Bearing Service Kits	
a	53627-000	8.5K, <i>Replaces 66623-001</i>			60961-040	Axle Set , Includes Kit Nos. 60961-009 & -039	
b	53624-000	10K, <i>Replaces 66624-001</i>			60961-009	Left Hand with Composite Thrust Bearing , Includes Key Nos. 24-27, 29-31, Loctite	
c	53625-000	13.2K, <i>Replaces 66625-001</i>			60961-039	Right Hand with Roller Thrust Bearing , Includes Key Nos. 24-26, 28-31, Loctite	
d	53626-000	14.6K, <i>Replaces 66626-001</i>		24	59156-000	Grease Cap Assembly	4
e		• Vehicles built prior to 11/06, <i>Component no longer available. Replacement requires for both the leaf spring assembly and rear shackle bracket to be upgraded to 11/06 configuration</i>		25	58937-000	Retaining Ring	4
		8.5K, Replace with 53627-000 and 66510-001		26	58909-000	Kingpin Bushing	4
		10K, Replace with 53624-000 and 66510-001				Thrust Bearing Service Kits	
	60961-643	Rear Shackle Service Kit, Axle Set , Includes Key Nos. 6a, 7			60961-043	Axle Set , Includes Kit Nos. 60961-632 & -633	
6		Rear Shackle Bracket w/Bushing	2		60961-041	Left Hand Composite Thrust Bearing , Includes Key Nos. 27, 29-31, Loctite	
a	66510-001	8.5K • 10K, For vehicles built after 11/06			60961-042	Right Hand Roller Thrust Bearing , Includes Key Nos. 28-31, Loctite	
		13.2K • 14.6K		27	59828-000	Left Hand Composite Thrust Bearing	1
b	64316-000	8.5K • 10K, For vehicles built prior to 11/06		28	64256-000L	Right Hand Roller Thrust Bearing	1
7	64314-000	Rear Shackle Plate	4	29		Kingpin Shim	As Req.
8		**M20 x 150 mm Hex Bolt	4		60259-001X	0.005" Thickness (Pack of 4)	
9		**M20 Hardened Washer	8		60259-002	0.047" Thickness	
10		**M20 Locknut	4	30	58910-001	Kingpin Seal, <i>Replaces 58910-000</i>	4
11	64159-000	Thrust Washer	4	31	60236-001	5/8"-11 UNC Socket Head Cap Screw	4
		Only for vehicles built prior to 11/06		Not Shown	60937-000	Loctite (Red) Compound Tube	1
12		Shock Absorber	2	32	64246-000	ABS Sensor Sleeve	2
a	58913-009L	8.5K • 10K, <i>Replaces 58913-007</i>		33		Tie Rod Assembly, 8.5K • 10K, 5.36" Drop, Includes Key Nos. 34-36, <i>See Selection Guide on Page 9</i>	1
b	58913-010	13.2K • 14.6K				Tie Rod End Service Kits, See Selection Guide on Page 9	
13		Shock Absorber Bracket	2			Axle Set , Includes Left Hand and RH Kits	
a	59423-002	8.5K • 10K				Left Hand , Includes Key Nos. 35, 37-38	
b	67463-002	13.2K • 14.6K, <i>Replaces 65000-002</i>				Right Hand , Includes Key Nos. 36-38	
14		*3/4"-10 UNC Upper Shock Bolt	2			Tie Rod End, Includes Key No. 36, <i>See Selection Guide on Page 9</i>	
15		*3/4"-10 UNC Lower Shock Bolt	2	34		Left Hand	1
16		*3/4" Hardened Washer	8	35		Right Hand	1
17		*3/4"-10 UNC Hex Locknut	4	36		**7/8" Castle Nut	2
18	59946-001	Shock Absorber Spacer	2	37	22962-007	7/8" Flat Washer	2
	94987-XXX	STEERTEK NXT Axle Assembly, <i>Replaces STEERTEK Axle 60952-XXX, See Page 6 for included parts</i>	1	38	17800-004	Tie Rod Nut Cotter Pin	2
		• Vehicles built after January 2025, <i>see Selection Guide on Page 4</i>			60961-069	Stop Bolt Service Kit, One Side , Includes Key Nos. 39-40	
		• Vehicles built between October 2012 and January 2025, <i>see Selection Guide on Page 5</i>		39	60238-001	1/2"-13 UNC Square Head Bolt	2
19	64905-004	*****Axle & Kingpin Assembly	1	40	60240-000	1/2"-13 UNC Hex Jam Nut	2
		<i>No longer available, see Replacement Guide on Page 13</i>		41		Top Axle Wrap	2
20		Left Hand Lower Steering Knuckle Assembly	1		59952-003	8.5K • 10K	
		Includes Key Nos. 26, 30			59952-026	13.2K • 14.6K	
	58900-035	150 Ackermann Air Brake, Includes Key No. 32		42	64722-003	Bottom Axle Wrap	2
	58900-033	200 Ackermann Air Brake, Includes Key No. 32			60961-015	Top/Bottom Axle Wrap Liner Service Kit, One Side , Includes Key Nos. 43-44	
	58900-031	250 Ackermann Air Brake, Includes Key No. 32		43	60508-000	Top Axle Wrap Liner	2
	58900-055	150 Ackermann Hydraulic Brake		44	59845-000	Bottom Axle Wrap Liner	2
	58900-053	200 Ackermann Hydraulic Brake				Clamp Group Service Kit, Axle Set , Includes Key Nos. 45-47, <i>See Selection Guide on Page 13</i>	
	58900-051	250 Ackermann Hydraulic Brake		45	64804-XXX	3/4"-16 UNF U-bolt, <i>see Selection Guide on Page 13</i>	4
21		Right Hand Lower Steering Knuckle Assembly	1	46	22962-001	3/4" Flat Washer	8
		Includes Key Nos. 26, 30		47	17700-035	3/4"-16 UNF 2B Nylon Locknut	8
	58900-036	150 Ackermann Air Brake, Includes Key No. 32					
	58900-034	200 Ackermann Air Brake, Includes Key No. 32					
	58900-032	250 Ackermann Air Brake, Includes Key No. 32					
	58900-056	150 Ackermann Hydraulic Brake					
	58900-054	200 Ackermann Hydraulic Brake					
	58900-052	250 Ackermann Hydraulic Brake					



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
		Top Pad/Axle Stop Assembly, Includes Key Nos. 48-49		51		Dowel Pin	2
	64506-000	8.5K • 10K			18831-022	6.8" Ride Height	None Req.
	66806-001	13.2K • 14.6K			18831-021	7.8" Ride Height - 1.13" Length	
48		Top Pad	2		18831-023	8.5 • 8.8" Ride Height - 2" Length	
a	64519-000	8.5K • 10K				9.8" Ride Height - 3" Length	
b	66666-000	13.2K • 14.6K		52	66164-000	Thrust Pad Washer	4
49	64080-000	Rubber Axle Stop	2			For 8.5K vehicles built prior to 2/07	
50		Front Axle Spacer	As Req.	53	66366-001	Clamp Group Spacer	8
a	70105-010	LH 6.5" • 6.8" Ride Height - 10 mm Thickness				For 8.5K vehicles built prior to 2/07	
		<i>Replaces 64536-010</i>					
b	64536-035	LH 7.8" Ride Height - 35 mm Thickness					
b	64536-060	LH 8.5" • 8.8" Ride Height - 60 mm Thickness					
b	64536-085	LH 9.8" Ride Height - 85 mm Thickness					
c	64536-025	RH 7.8" Ride Height - 25 mm Thickness					
c	64536-050	RH 8.5" Ride Height - 50 mm Thickness					
c	64536-075	RH 9.8" Ride Height - 75 mm Thickness					

■ Special Tool

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



www.hendrickson-intl.com

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