

PARTS LIST

COMFORT AIR® Single Rear Air Suspension for Blue Bird Buses

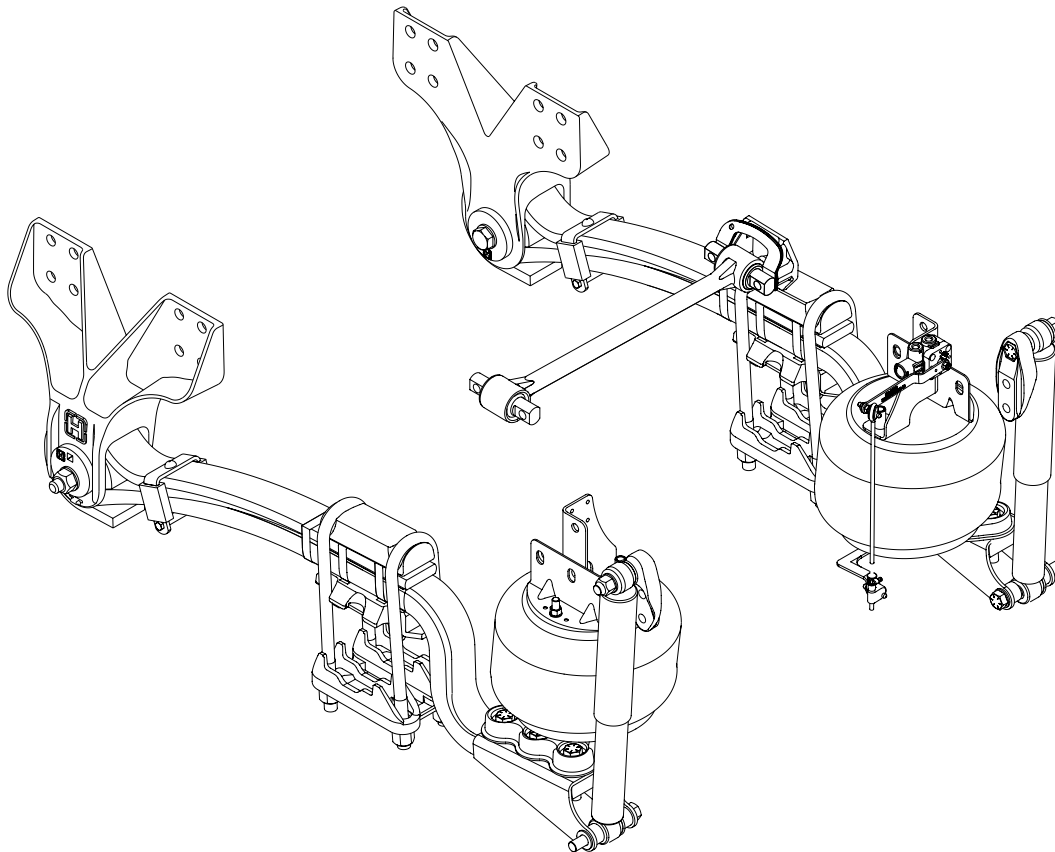
LIT NO: SP-173

DATE: August 2022

REVISION: I

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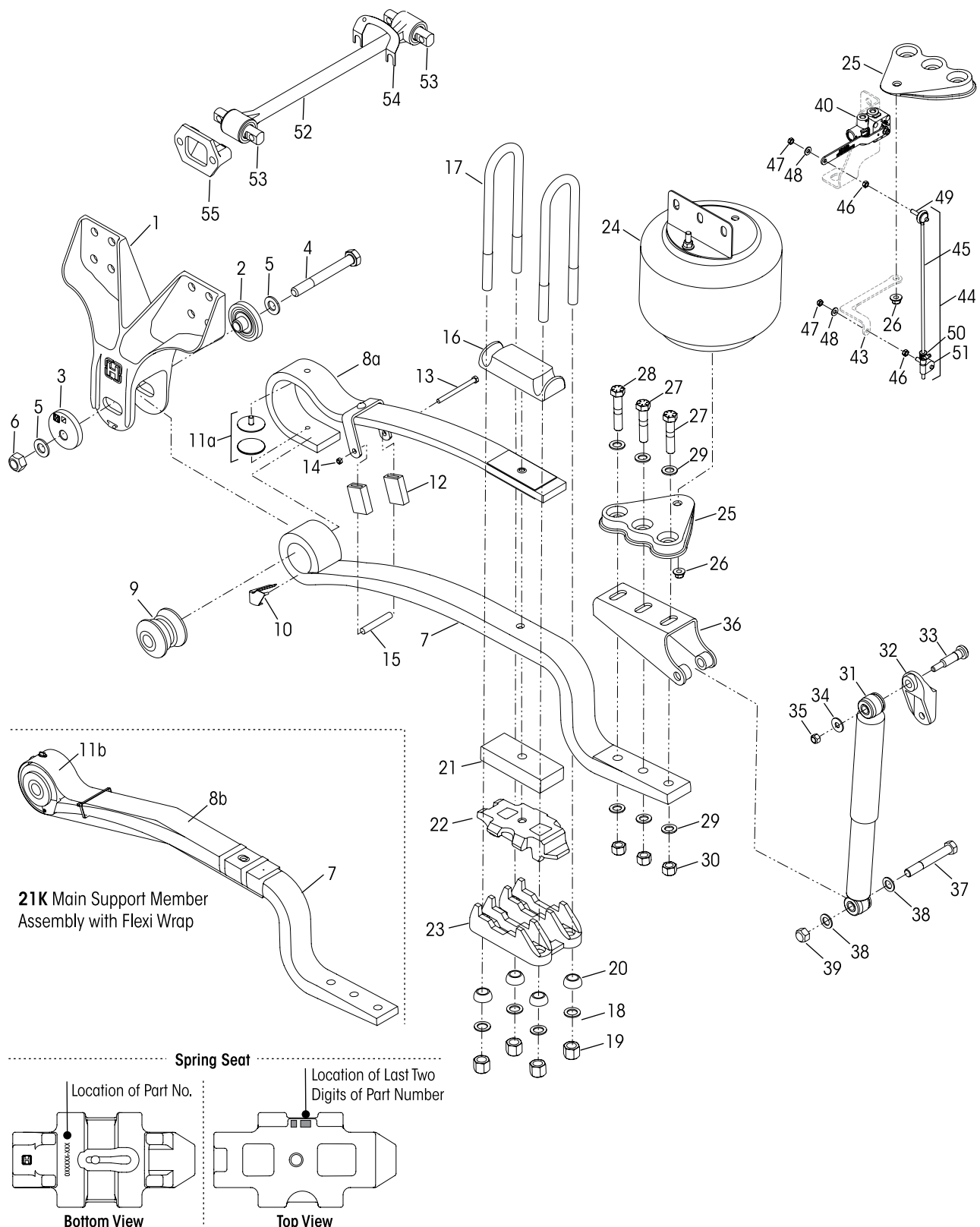
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■ 21K • 23K Capacity

Vehicles built after January 2021





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	60784-000	Frame Hanger	2	24		Air Spring Assembly	2
	60632-038	QUIK-ALIGN® Pivot Bushing & Collar Service Kits		a	91349-000	Standard Bumper 2°, 4.5° - 8½" Ride Height	
	60632-044	Axle Set , Includes Key Nos. 2-6, 9, 11a, 56		b	91350-000	Tall Bumper 2°, 4.5° - 11½" Ride Height	
		QUIK-ALIGN Pivot Bushing Service Kit, One Wheel End				-4.5° - 8½" & 10½" Ride Height	
	34013-103	Includes Key Nos. 4-6, 9, 11a, 56		25	80502-000	Lower Air Spring Bracket	2
	34013-322	Includes Key Nos. 4-6, 9, 56				Air Spring Fastener Service Kit, One Side	
	60632-013	QUIK-ALIGN Collar Service Kit, Axle Set , Includes Key Nos. 2-6			49177-056	Includes Key No. 26	
2		*QUIK-ALIGN Concentric Collar	3		49177-058	Includes Key Nos. 27-30	
3		*QUIK-ALIGN Eccentric Collar	1	26	79626-001	½" -13 UNC Flange Nut	2
	60632-018	QUIK-ALIGN Fastener Service Kit, One Wheel End , Includes Key Nos. 4-6		27		*¾"-10 UNC x 3½" Bolt	4
4		*1"-14 UNF x 7½" Bolt	2	28		*¾"-10 UNC x 3¾" Bolt	2
5		*1" Hardened Washer	4	29		*¾" Hardened Washer	12
6		*1"-14 UNF Locknut	2	30		*¾"-10 UNC Locknut	6
		Main Support Assembly, 3 Holes	2	31	60998-003L	Shock Absorber	2
	82633-000	23K, Includes Key Nos. 7, 8a, 9-10, 11a, 12-15		32	67463-002	Upper Shock Bracket	2
	82632-000	21K, Includes Key Nos. 7, 8b, 9-10, 11b		33	50764-010	¾"-10 UNC Serrated Shank Bolt	2
7		*Main Support Member	2	34	22962-001	¾" Hardened Washer	2
8 a		*23K, Secondary Leaf	2	35	49842-000	¾"-10 UNC Locknut	2
b		*21K, Flexi Wrap, Includes Key No. 11b	2	36	91551-000	Lower Shock Bracket, 3 Slots	2
9	58648-000L	QUIK-ALIGN Pivot Bushing	2	37	50764-002	¾"-10 UNC x 5½" Bolt	2
10	60392-000	Spring Eye Clip	2	38	22962-001	¾" Hardened Washer	4
	49175-026	Spring Eye Clip Fastener Service Kit, One Side , Includes Key Nos. 11a, 12-15		39	49842-000	¾"-10 UNC Locknut	2
11 a	64817-000	23K, Plastic Isolator Puck	4		59013-000	Single Height Control Valve Service Kit , Includes Key Nos. 40-42	
b	59770-000	21K, Rubber Isolator Pad	4	40		*Height Control Valve	1
12	64272-000	Spring Eye Clip Sleeve	4	41		*¼" Hardened Washer (Not Shown)	2
13	37042-006	⅞"-14 UNC Bolt	2	42		*¼"-20 UNC Locknut (Not Shown)	2
14	37587-000	⅞"-14 UNC Locknut	2	43		***HCV Linkage Bracket	1
15		*Clip Bolt Spacer, 23K	2	44	58994-004	HCV Linkage Assembly, Specify Length	1
16	56805-000	Top Pad	2			Includes Key Nos. 45-51	
	91430-013	U-bolt Service Kit, One Wheel End , Includes Key No. 17 and Kit No. 48417-157		45		*HCV Linkage Rod	1
17		*⅞"-14 UNF x 15" U-bolt	4	46		*⅝"-18 UNC Jam Nut	2
	48718-157	U-bolt Fasteners Service Kit, One Wheel End , Includes Key Nos. 18-20		47		*⅝"-18 UNC Locknut	2
18		*⅞" Hardened Flat Washer	8	48		*⅝" Hardened Washer	2
19		*⅞" 14 UNF U-bolt Locknut	8	49		*⅝"-18 UNC Stud	2
20		*Spherical Washer	8	50		*Valve Arm Clamp	1
21		Spacer	As Req.	51		*Adjustable Valve Arm Joint	1
	48531-019	1½" Thickness, -4.5° 10½" Ride Height		52		Transverse Torque Rod Assembly	1
	76863-001	2½" Thickness, 2°, 4.5° 11½" Ride Height			62000-560	2°, 4.5°, -4.5° 8½" Ride Height	
22		**Spring Seat	2		62000-595	2°, 4.5° 11½" Ride Height	
	56501-031	4.5°, -4.5° Pinion Angle, ID No. D31				-4.5° 10½" Ride Height	
	56501-035	2° Pinion Angle, ID No. D35		53	47691-000L	Torque Rod Bushing	2
23	93302-000	Axle Bottom Cap. <i>Replaces 50216-000</i>	2	54	49689-000L	Torque Rod Shim	As Req.
				55	22186-000	Transverse Torque Rod Frame Bracket	1
				56	70867-001	P-80 Lubricant - 10 ml (Not Shown)	As Req.

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

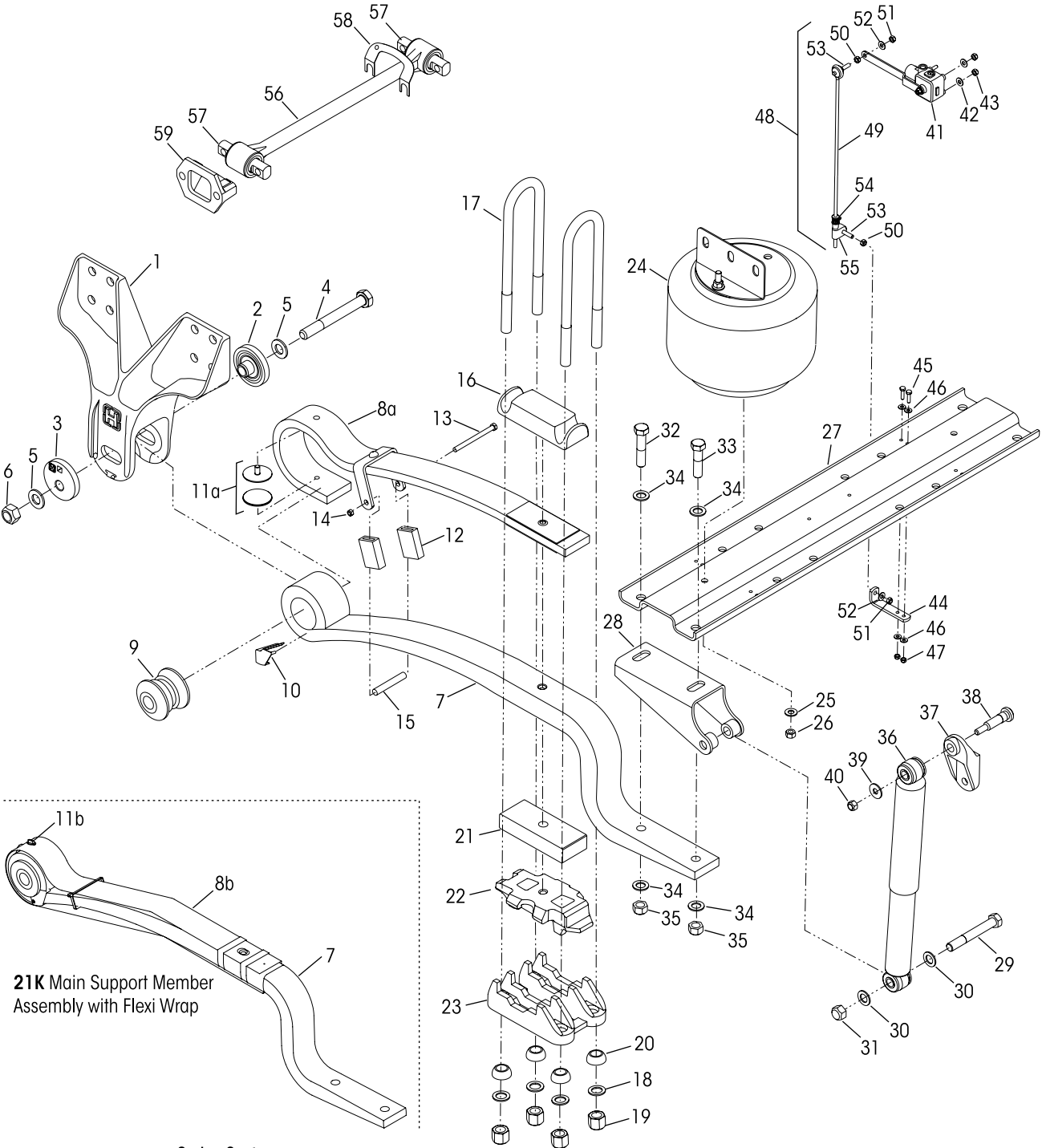
** Refer to Page 2 for the ID number location.

*** 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.



■ 21K • 23K Capacity

Vehicles built prior to January 2021

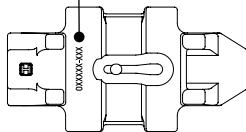


21K Main Support Member Assembly with Flexi Wrap

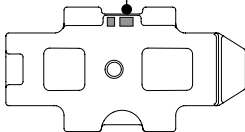
Spring Seat

Location of Part No.

Location of Last Two Digits of Part Number



Bottom View



Top View



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	60784-000	Frame Hanger	2	23	93302-000	Axle Bottom Cap, <i>Replaces 50216-000</i>	2
	60632-038	QUIK-ALIGN® Pivot Bushing & Collar Service Kits				Meritor RS21-145 - 0-9½° Pinion Angle LH/RH,	
	60632-044	Axle Set , Includes Key Nos. 2-6, 9, 11a, 60				Meritor RC23-160 - Negative 0-9½° Angle LH/RH	
		QUIK-ALIGN Pivot Bushing Kit, One Wheel End		24		Air Spring Assembly, Includes Upper Bracket	2
	34013-103	Includes Key Nos. 4-6, 9, 11a, 60				and Fasteners	
	34013-322	Includes Key Nos. 4-6, 9, 60			60925-002	21K • 23K	
	60632-013	QUIK-ALIGN Collar Service Kit, Axle Set ,			60929-002	Front Engine, 21K • 23K	
		Includes Key Nos. 2-6, <i>Replaces 60632-001</i>			49177-006	Lower Air Spring Fastener Service Kit, Axle Set	
2		*QUIK-ALIGN Concentric Collar	3			Includes Key Nos. 25-26	
3		*QUIK-ALIGN Eccentric Collar	1	25		*½" Flat Washer	2
	60632-018	QUIK-ALIGN Fastener Service Kit, One Wheel End ,		26		*½"-13 UNC Nylocknut	2
		Includes Key Nos. 4-6		27		Cross Channel – 40" Axle Dowel Pin Centers	1
4		*1"-14 UNF x 7½" Bolt, <i>Replaces 64107-000</i>	2		57317-001	Standard	
5		*1" Hardened Washer, <i>Replaces 22962-035</i>	4		64399-001	For Differential Relief	
6		*1"-14 UNF Locknut, <i>Replaces 64108-000</i>	2		67156-001	Square Tube for Rear Engine, Propane	
		Main Support Assembly	2		57356-000	Lower Shock Bracket Assembly,	2
	82433-000	23K, Includes Key Nos. 7, 8a, 9-10, 11a, 12-15				Includes Key Nos. 28-31	
	82432-000	<i>Replaces 60779-000</i>		28	57355-000	Lower Shock Bracket	2
		21K, Includes Key Nos. 7, 8b, 9, 11b, 12		29	50764-002	¾"-10 UNC x 5½" Bolt	2
7		*Main Support Member	2	30	22962-001	¾" Hardened Washer	4
8 a		*23K, Secondary Leaf	2	31	49842-000	¾"-10 UNC Locknut	2
b		*21K, Flexi Wrap, Includes Key No. 11b	2		50763-004	Cross Channel Fastener Service Kit, Axle Set ,	
9	58648-000L	QUIK-ALIGN Pivot Bushing	2			Includes Key Nos. 32-35	
10	60392-000	Spring Eye Clip	2	32		*¾"-10 UNC x 3½" Bolt	2
	49175-026	Spring Eye Clip Fastener Service Kit, One Side ,		33		*¾"-10 UNC x 3" Bolt	2
		Includes Key Nos. 11a, 12-15		34		*¾" Hardened Washer	8
11 a	64817-000	23K, Plastic Isolator Puck	4	35		*¾"-10 UNC Locknut	4
b	59770-000	21K, Rubber Isolator Pad	4	36	60998-003L	Shock Absorber, <i>Replaces 60998-001</i>	2
12	64272-000	Spring Eye Clip Sleeve	4	37	67463-002	Upper Shock Bracket	2
13	37042-006	⅞"-14 UNC Bolt, <i>Replaces 37042-002</i>	2	38	50764-010	¾"-10 UNC Serrated Shank Bolt	2
14	37587-000	⅞"-14 UNC Locknut	2	39	22962-001	¾" Hardened Washer	2
15		*Clip Bolt Spacer	2	40	49842-000	¾"-10 UNC Locknut	2
16	56805-000	Top Pad	2		59013-000	Single Height Control Valve Service Kit ,	
		U-bolt Service Kit, One Wheel End				Includes Key Nos. 41-43	
	91430-013	Includes Key No. 17a and Kit No. 48417-157		41		*Height Control Valve	1
	91430-001	Includes Key No. 17b and Kit No. 48417-157		42		*¼" Hardened Washer	2
	91430-005	Includes Key No. 17c and Kit No. 48417-157		43		*¼"-20 UNC Locknut	2
	91430-019	Includes Key No. 17d and Kit No. 48417-157				HCV Linkage Lower Bracket Service Kit	
17		*⅞"-14 UNF U-bolt	4		57430-000	All Except Rear Engine, Includes Key Nos. 44a-47	
a		15"			57430-003	Rear Engine Only, Includes Key Nos. 44b-47	
b		16¼"		44		HCV Linkage Bracket	1
c		17¼"		a	56789-000	All Except Rear Engine	
d		18"		b	58367-000	Rear Engine	
	48718-157	U-bolt Fasteners Service Kit, One Wheel End ,		45	56935-001	¼"-20 UNC x 1 ¼" Bolt	2
		Includes Key Nos. 18-20		46	22962-028	¼" Hardened Washer	4
18		*⅞" Hardened Flat Washer	8	47	49983-000	¼"-20 UNC Locknut	2
19		*⅞" 14 UNF U-bolt Locknut	8	48	58994-XXX	HCV Linkage Assembly, Specify Length	1
20		*Spherical Washer	8			Includes Key Nos. 49-55	
21		Spacer	As Req.	49		*HCV Linkage Rod	1
	48531-014	1½"		50		*⅝"-18 UNC Jam Nut	2
	76863-001	2½"		51		*⅝"-18 UNC Locknut	2
22		**Spring Seat	2	52		*⅝"-18 UNC Hardened Washer	2
	57022-010	•Meritor RS15-120 - 4½° Pinion Angle LH / RH		53		*⅝"-18 UNC Stud	2
		•Meritor RS21-145, RS23-160		54		*Valve Arm Clamp	1
	56501-001	2° Pinion Angle LH/RH, 8.5" Ride Ht., ID No. D01		55		*Adjustable Valve Arm Joint	1
	56501-002	2.5° Pinion Angle LH/RH, ID No. D02		56	62000-XXX	Transverse Torque Rod Assembly, Specify Length	1
	56501-006	4.5° Pinion Angle LH/RH, 8.5" Ride Ht., ID No. D06		57	47691-000L	Torque Rod Bushing	2
	56501-009	6° Pinion Angle LH/RH, ID No. D09		58	49689-000L	Torque Rod Shim	As Req.
	56501-020	4.5° Pinion Angle LH/RH, 10.5" Ride Ht., ID No. D20		59	22186-000	Transverse Torque Rod Frame Bracket	1
	56501-021	0° Pinion Angle LH/RH, ID No. D21		60	70867-001	P-80 Lubricant - 10 ml (Not Shown)	As Req.
	56501-022	2° Pinion Angle LH/RH, 10.5" Ride Ht., ID No. D22					
		•Meritor RC23-160					
	56501-020	Negative 4.5° Pinion Angle LH/RH, ID No. D20					

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

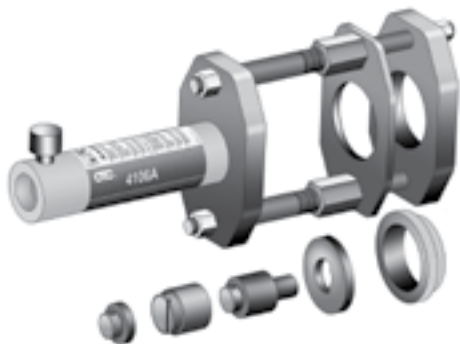
** Refer to Page 4 for the ID number location.

■ Special Tools

D-PIN / QUIK-ALIGN PIVOT BUSHING SERVICE TOOLS

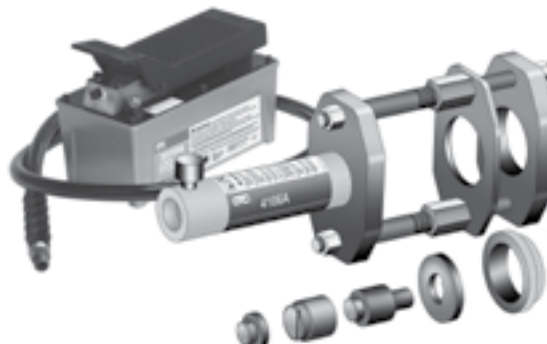
Hendrickson Part No. 66086-202

OTC Part No. 4246 Visit otctools.com



Hendrickson Part No. 66086-204

OTC Part No. 4247 Visit otctools.com



QUIK-ALIGN PIVOT BUSHING SERVICE TOOL

Hendrickson Part No. 66086-203L



QUIK-ALIGN SOCKET TOOL

Hendrickson Part No. 66086-200

OTC Part No. 1767

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ULTRA ROD TORQUE ROD BUSHING FUNNEL TOOL

Hendrickson Part No.
66086-001



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.



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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

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