

PARTS LIST

ULTIMAAX[®] Rear Suspension for Fire and Rescue Vehicles

LIT NO: SP-299

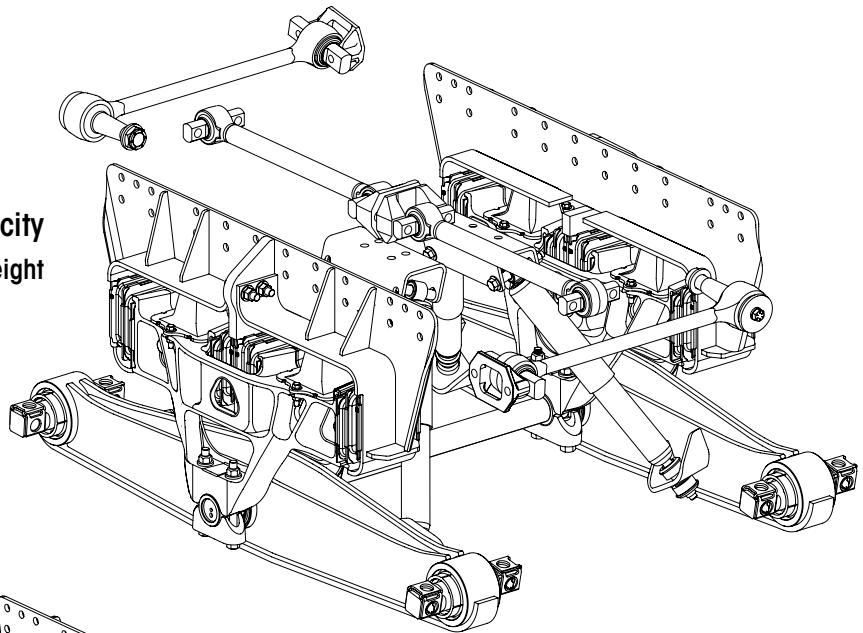
DATE: May 2018

REVISION: C

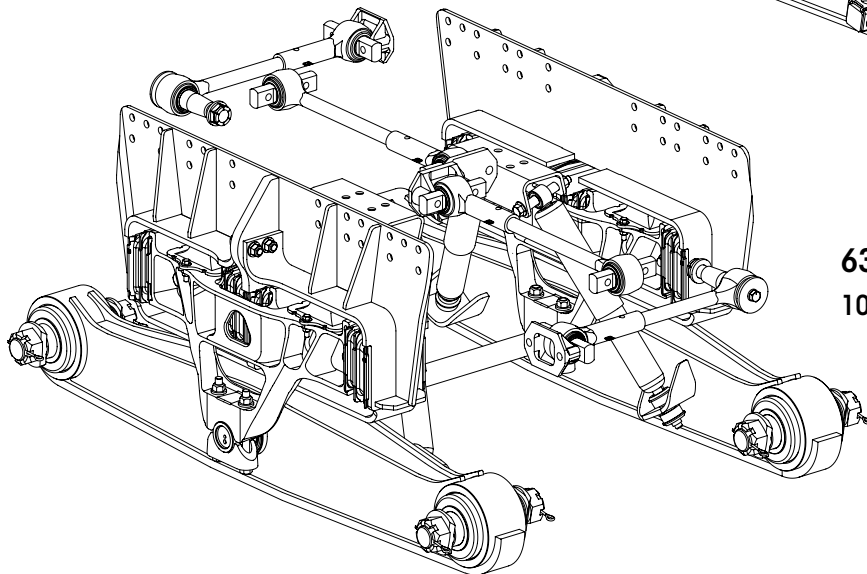
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54K • 58K Capacity
9½" • 10" • 10¼" • 11½" Ride Height



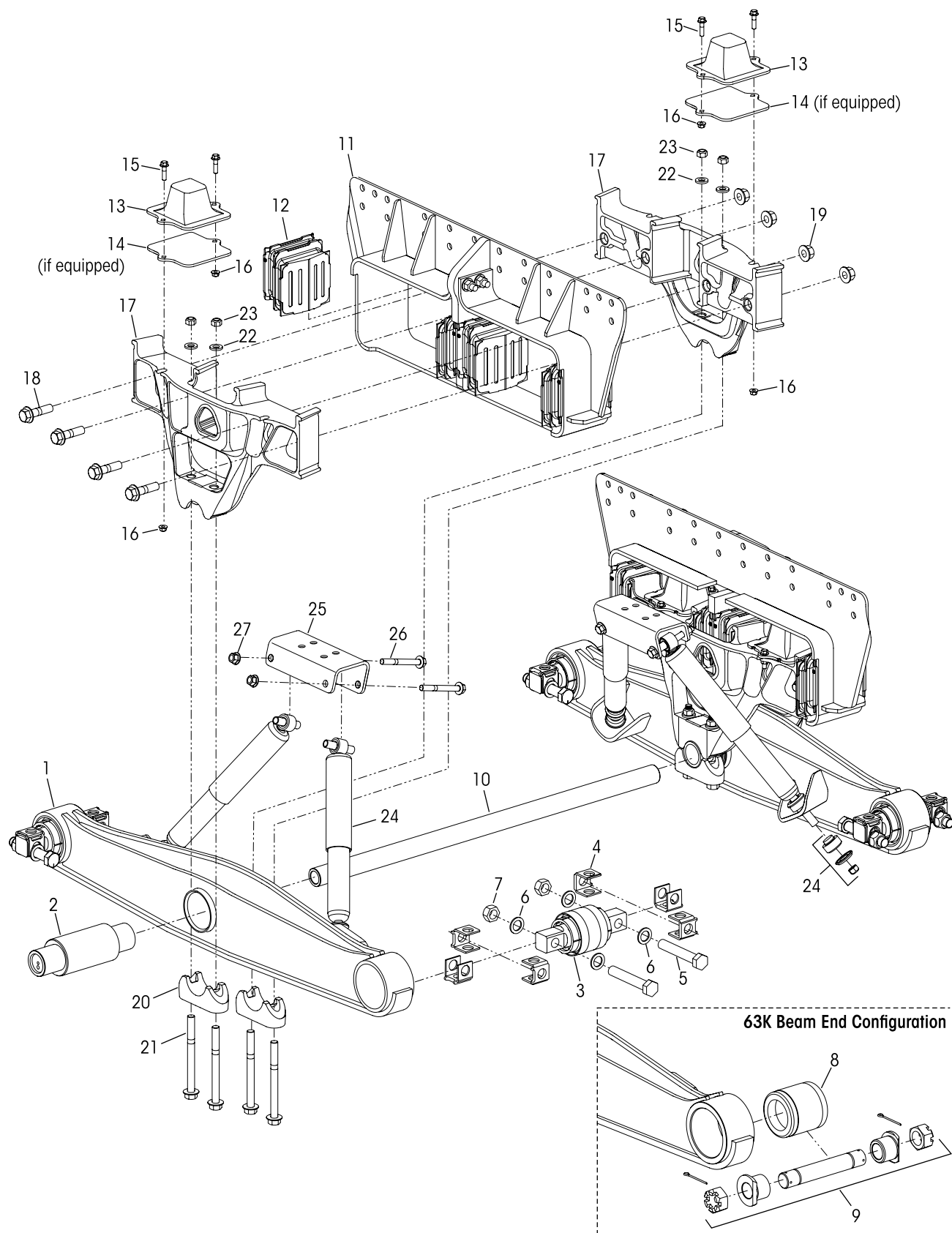
63K Capacity
10" • 10½" Ride Height



54K – Rosenbauer 9½" Ride Height • KME 10" Ride Height

58K – Seagrave 9½", 10¼" and 11½" Ride Height

63K – Rosenbauer 10½" Ride Height, KME 10" Ride Height





KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.	KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	78489-540	Equalizing Beam Assembly with Shock Bracket	2	60961-749		Shear and Progressive Load Spring Service Kit, One Side , Includes Key Nos. 12-13, 15-16, 18-19, 21-23, 28	
	78634-540	54K - Rosenbauer, KME; 58K - Seagrave, Includes Key Nos. 2-3		60961-750		Shear Spring Service Kit, One Side , Includes Key Nos. 12, 18-19, 21-23, 28	
	78634-560	63K - KME, Includes Key Nos. 2, 8		12		*Shear Spring	8
		Equalizing Beam Bushing Service Kits		60961-751		Progressive Load Spring Service Kit, One Side , Includes Key Nos. 13, 15-16	
	60961-755	• 54K / 58K Bar Pin Style		13		*Progressive Load Spring	4
	60961-752	Center and End Bushing, One Beam , Includes Key No. 2-3, 5-7, 21-23		14	70824-001	Spacer, 63K only	4
		End Bushing, One Wheel End , Includes Key Nos. 3-7		34013-196		Progressive Load Spring Fasteners Service Kit, One Side , Includes Key Nos. 15-16	
	56659-001	End Bushing Fasteners , Includes Key Nos. 5-7		15		*M10 x 1.5 x 40 mm 6G Flange Bolt	8
	56659-005	Tandem		16		*M10 x 1.5 Flange Lock Nut	8
	34013-104	One Beam		17	70886-000	Saddle	4
	34013-052	• 63K Through Bolt Style		34013-197		Saddle Only Fastener Kit, One Side , Includes Key Nos. 18-19	
		End Bushing and Adapter Service Kit, One Wheel End , Includes Key Nos. 8-9		18		*M20 x 1.5 x 75 mm Flange Bolt	8
2		Center Bushing	2	19		*M20 x 1.5 Flange Nut	8
3		*Bar Pin End Bushing Assembly, 54K/58K, Includes Key No. 4a		20	77205-001	Saddle Cap	4
4		Bar Pin Shim	8	60961-768		Saddle Cap Fastener Service Kit, One Side , Includes Key Nos. 21-23	
a	50130-000	0.19" / 0.19" Standard		21		*M16 x 2 x 6G x 180 mm Flange Bolt	8
b	50131-000	0.25" / 0.12" Optional		22		*M16 Flat Washer	8
c	57026-000	0.375" Optional flat shim		23		*M16 x 2 x 6H Nut	8
5		*1"-8 UNC x 6" Bolt	8	24		Shock Absorber	4
6		*1" Hardened Washer	16	60680-015L		9½" Ride Height - 54K Rosenbauer, 58K Seagrave	
7		*1"-8 UNC Locknut	8	60680-016L		10¼", 11½" Ride Height - 58K Seagrave	
8		*End Bushing, 63K	4			10" Ride Height - 54K and 63K KME	
9	21140-007	End Bushing Adapter Assembly, 63K	4			10½" Ride Height - 63K Rosenbauer	
	60961-759	Cross Tube Service Kit , Includes Key No. 10 and Weldable Loose Plug (Not Shown)		25		Upper Shock Bracket	2
10	44642-008	Cross Tube - 1140 mm	1	77591-002		54K/63K Rosenbauer	
11		Frame Hanger	2	77591-006		54K/63K KME	
	78726-001	• 34" Width - 54K/63K KME		77591-007		58K Seagrave	
		10" Ride Height		60961-818		Upper Shock Fasteners Service Kit, One Beam , Includes Key Nos. 26-27	
	78592-002	• 34½" Width - 58K Seagrave		26		*M16 x 2 x 140 mm Flange Bolt	4
	78592-005	9½" and 10¼" Ride Height		27		*M16 x 2 Flange Nut	4
		11½" Ride Height		28	70867-001	P-80 Lubricant - 10 ml (Not Shown)	As Req.
	70912-005	• 35" Width - Rosenbauer					
	70912-206	10½" Ride Height, 63K					
		9½" Ride Height, 54K					

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

** Transverse torque rods are mandatory for the ULTIMAAX rear suspension regardless of axle spacing.

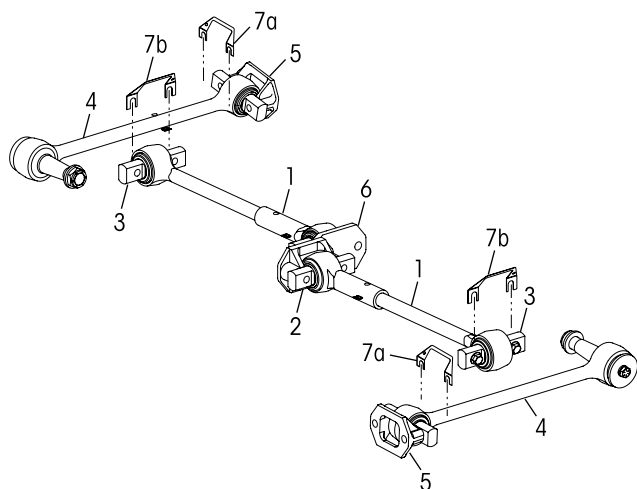
Hendrickson Lit. No. 48422-592 – ULTIMAAX Gauge Card can be used to measure in unloaded condition (1) the length of cut / split, (2) depth of separation and (3) the height of the progressive load spring (PLS).

Torque Rod Configuration

54K / 63K – Rosenbauer

9.5" and 10½" Ride Height

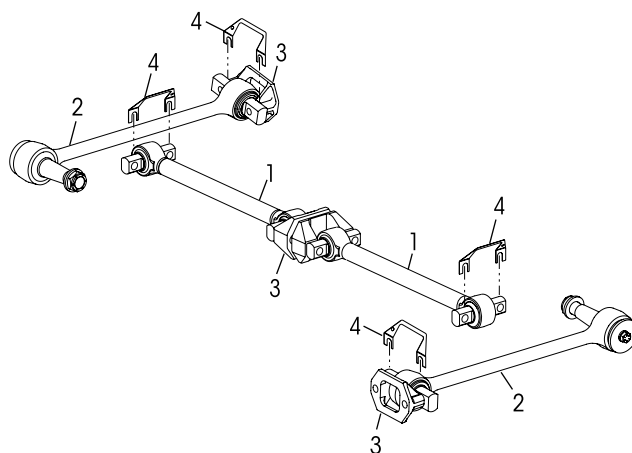
54K / 63K – KME 10" Ride Height



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1		Two-piece Longitudinal Torque Rod Straddle/Straddle	2
	65781-005	Rosenbauer, Includes Key Nos. 2a, 3	
	65781-006	KME, Includes Key Nos. 2b, 3	
2		XTRB Straddle Bushing to Cross Member Bracket	2
a	66649-005L	Rosenbauer	
b	66649-002L	KME	
3	66649-003L	XTRB Straddle Bushing to Axle Bracket,	2
4	8235-0099-645	**TRAAX ROD Transverse Torque Rod, Straddle/Taper, <i>Replaces 65781-002</i>	2
5	22186-000	Torque Rod Frame Bracket	2
6		Torque Rod Cross Member Bracket	2
a	30828-000	Rosenbauer	
b	22186-000	KME	
7		Torque Rod Shim	As Req.
a	34013-342	111 mm (Pack of 6)	
b	67779-002	133 mm	

58K – Seagrave

9½", 10¼" and 11½" Ride Height



KEY NO.	PART NO.	DESCRIPTION	VEHICLE QTY.
1	8232-0000-XXX	*TRAAX ROD® Longitudinal Torque Rod, Straddle/Straddle, Specify Length in mm	2
2	8235-0099-XXX	**TRAAX ROD Transverse Torque Rod, Straddle/Taper, Specify Length in mm	2
3	46015-000	Torque Rod Frame Bracket	4
4	67779-002	Torque Rod Shim - 133 mm	As Req.

NOTES: * TRAAX ROD bushings are non-serviceable, the entire torque rod assembly requires replacement. Visit the TRAAX ROD website www.traaxrods.com for more information.

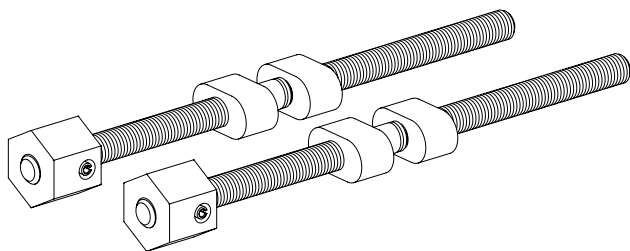
** Transverse torque rods are mandatory for the ULTIMAAX rear suspension regardless of axle spacing.



■ Special Tools

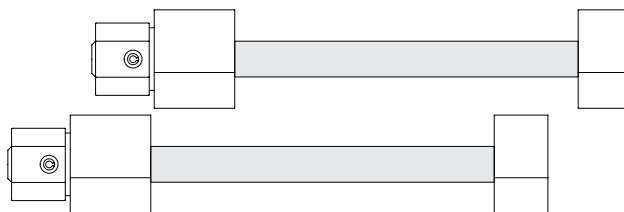
SADDLE DISASSEMBLY TOOL

Hendrickson Part No. 66086-113L



SADDLE ASSEMBLY TOOL

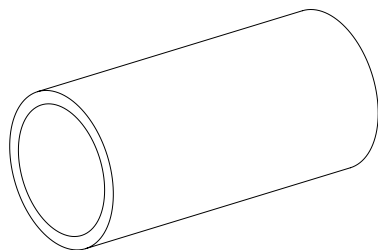
Hendrickson Part No. 66086-108L



CENTER BUSHING TOOLS

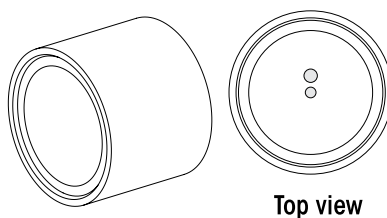
RECEIVING TOOL

Hendrickson Part No. 66086-112



INSTALLATION TOOL

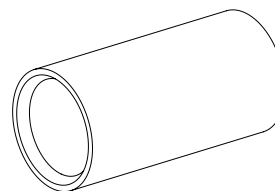
Hendrickson Part No. 66086-107



Top view

REMOVAL TOOL

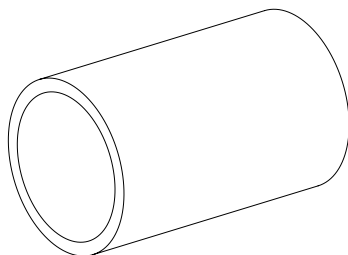
Hendrickson Part No. 66086-110



BAR PIN STYLE END BUSHING TOOLS – 54K • 58K

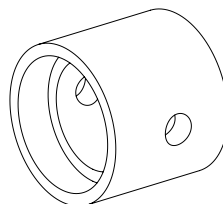
RECEIVING TOOL

Hendrickson Part No. 66086-111



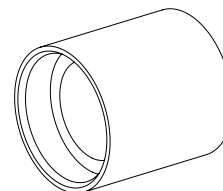
INSTALLATION TOOL

Hendrickson Part No. 66086-106



REMOVAL TOOL

Hendrickson Part No. 66086-109



ADAPTER STYLE END BUSHING TOOLS – 63K

End Bushing
Removal / Replacement Adapter
OTC Part Number 208350



Center Bushing
Removal / Replacement Adapter
OTC Part Number 28541
Not Needed for this publication



Clamp
OTC Part Number 208349



Hendrickson Part No. 66086-101

OTC Part No. 1763

Visit otctools.com

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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