

TECHNICAL BULLETIN

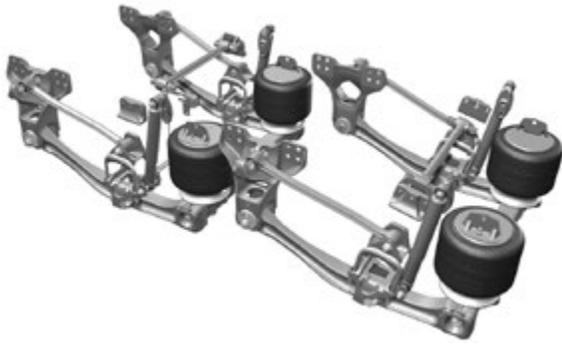
PRIMAAX® / FIREMAAX® Support Beam Assembly

SUBJECT: Discontinued Support Beam Assemblies

LIT NO: SEU-0229

DATE: February 2014

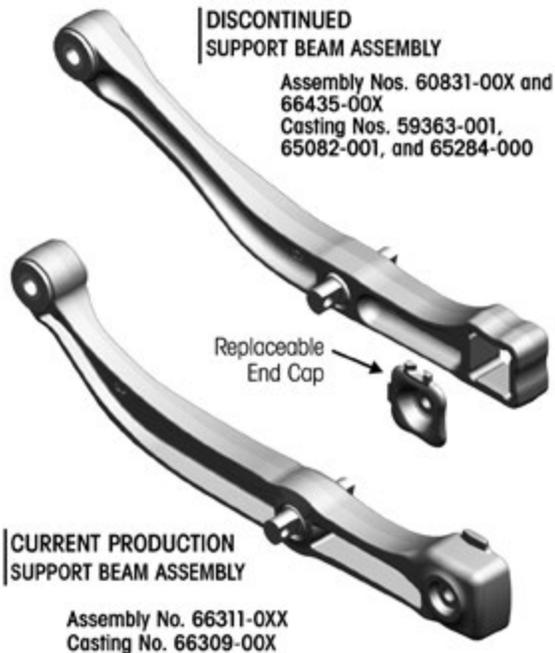
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IMPORTANT NOTICE

Effective May 1, 2010, support beam assembly part numbers 66435-00X or 60831-00X (Forging Part Nos. 59363-001, 65082-000, and 65284-000) for PRIMAAX® / FIREMAAX® suspension systems will be discontinued for field service purposes for North and Central America, see Figure 1.

FIGURE 1

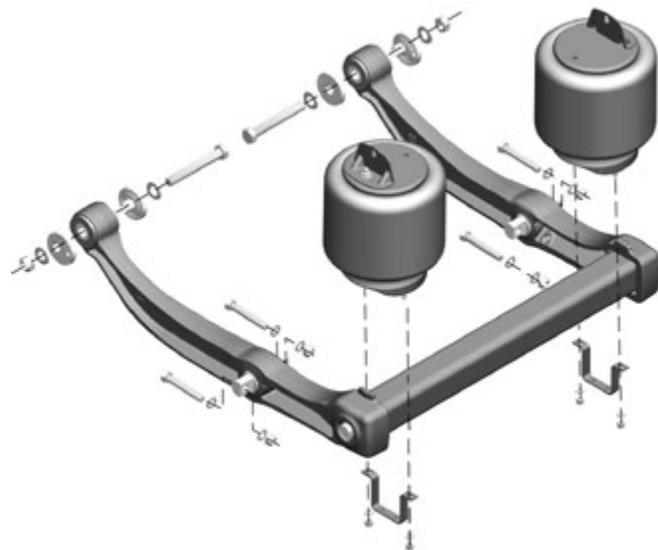


Likewise Hendrickson will only offer U-beam assembly service kits (part number 60961-XXX, see Figure 2) for any necessary replacement of PRIMAAX / FIREMAAX support beam assemblies (part numbers 66435-00X or 60831-00X) in the field. Refer to Table 1 on Page 3 to determine the U-beam assembly service kit for each respective vehicle manufacturer.

Follow the PRIMAAX EX / FIREMAAX EX • PRIMAAX / FIREMAAX component replacement procedures and safety instructions in Hendrickson Technical Publication number 17730-238 to install the U-beam assembly service kits. Visit Hendrickson's website for the latest version of 17730-238.

FIGURE 2

U-BEAM ASSEMBLY SERVICE KIT EQUIPPED WITH CURRENT PRODUCTION SUPPORT BEAMS
PART NO. 60961-XXX
SEE TABLE 1 ON PAGE 3





U-BEAM ASSEMBLY SERVICE KIT INSTALLATION

The U-beam assembly service kits (Part No. 60961-XXX, see Figure 2) are designed for the discontinued support beam assemblies and their related components on one axle and do not require additional drilling or modifications.



DO NOT USE A COMBINATION OF A DISCONTINUED (PART NOS. 60831-00X OR 66435-00X) WITH CURRENT PRODUCTION (PART NO. 66311-0XX) SUPPORT BEAM ASSEMBLIES ATTACHED TO THE SAME (AXLE) CROSS TUBE. USE OF DIFFERENT SUPPORT BEAM ASSEMBLIES AND/OR AIR SPRINGS ON THE SAME (AXLE) CROSS TUBE CAN RESULT IN VEHICLE LEAN AND/OR VEHICLE HANDLING PROBLEMS. IT IS ALLOWABLE TO HAVE DIFFERENT U-BEAM ASSEMBLY TYPES ON DIFFERENT AXLES.

U-BEAM ASSEMBLY SERVICE KITS

Support beam assemblies are available for field service purposes in U-beam assembly kits, refer to Table 1 on Page 3. Former PRIMAAX / FIREMAAX suspension support beam assemblies must be serviced with these kits.

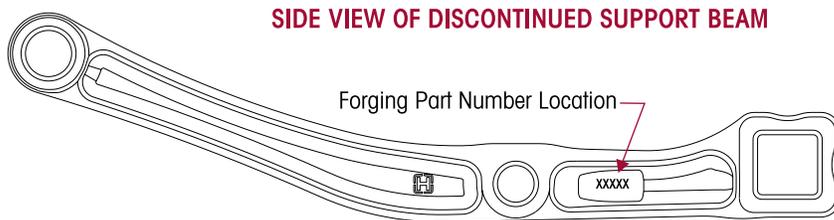
Each service kit, see Figure 2, is intended for servicing the associated suspension parts on one axle, and includes two new support beam assemblies, one cross tube, two air spring assemblies, air spring hardware, QUIK-ALIGN® hardware and D-pin hardware.

U-beam Assembly Service Kit No. 60961-XXX Includes	
DESCRIPTION	Qty.
Support Beam Assembly	2
Cross Tube	1
*Air Spring Assembly	2
Air Spring Fasteners	
QUIK-ALIGN Fasteners	
D-Pin Fasteners	
* May or may not include upper air spring bracket	

NOTE

The support beam forging number, see Figure 3, can be used to help identify the support beam assembly part numbers and the U-beam assemblies that contain them. Support beam assembly part numbers are not shown on the beam.

FIGURE 3



NOTE

The support beam forging numbers can be used to help identify the support beam assembly part numbers and the U-beam assemblies that contain them. Support beam assembly part numbers are **not** shown on the beam.

	PRIMAAX 230/460/690 FIREMAAX 240/480		PRIMAAX 260/5200/780 FIREMAAX 270/540	
	DISCONTINUED SUPPORT BEAM ASSEMBLIES		DISCONTINUED SUPPORT BEAM ASSEMBLIES	
	LEFT	RIGHT	LEFT	RIGHT
DISCONTINUED Forging Number 59363-001 65082-000	REAR	60831-001 60831-002	REAR	60831-005 60831-006
	FRONT	60831-003 60831-004	FRONT	60831-007 60831-008
DISCONTINUED Forging Number 65284-000	REAR	66435-001 66435-002	REAR	66435-005 66435-007
	FRONT	66435-003 66435-004	FRONT	66435-007 66435-007
			DISCONTINUED Forging Number 59363-001 65082-000	
			DISCONTINUED Forging Number 65284-000	



TABLE 1

SUPPORT BEAM AND CROSS TUBE REPLACEMENT GUIDE

Vehicle Manufacturer	Ride Height	Drive Axle	Frame Width ⁺	DISCONTINUED		NEW	
				Support Beam Assembly Part Number		Cross Tube Part Number	U-beam Assembly Service Kit Number
				60831-00X • 66435-00X		60912-XXX	60961-XXX
				LEFT HAND	RIGHT HAND		
PRIMAAX 230/460/690 • FIREMAAX 240/480							
Volvo • Mack	8.5"-10.0"	Forward	33.5"	-003	-004	-005	-237
		Rear		-001	-002		-238
Kenworth • Western Star	8.5"-10.0"	Forward	34.0"	-003	-004	-001	-235
		Rear		-001	-002		-236
Freightliner • Sterling • Autocar	8.5"-10.0"	Forward	34.3"	-003	-004	-003	-241
		Rear		-001	-002		-242
Freightliner • Sterling	8.5"-10.0"	Forward	34.5"	-003	-004	-002	-239
		Rear		-001	-002		-240
International	8.5"-10.0"	Forward	34.3"	-003	-004	-003	-261
		Rear		-001	-002		-262
		Forward	34.5"	-003	-004	-002	-263
		Rear		-001	-002		-264
		Forward	34.8"	-003	-004	-009	-243
		Rear		-001	-002		-244
Fire / Rescue (Except Spartan)	8.5"-10.5"	Forward	34.0"	-003	-004	-001	-267
		Rear		-001	-002		-268
IPI • Advance • Oshkosh • Fire / Rescue	12.5"-15.5"	Forward	34.0"	-003	-004	-001	-247 ⁺⁺
		Rear	<i>Fab Hanger</i>	-001	-002		-248 ⁺⁺
PRIMAAX 260/520/780 • FIREMAAX 270/540							
Kenworth • Western Star • Fire / Rescue (Except Spartan)	8.5"-10.0"	Forward	34.0"	-007	-008	-001	-253
		Rear		-005	-006		-254
		+++		-001	-002		-001
Freightliner	8.5"-10.0"	Forward	34.3"	-007	-008	-003	-257
		Rear		-005	-006		-258
		Forward	34.5"	-007	-008	-002	-255
		Rear		-005	-006		-256
All 12.5"-15.5" suspensions, including Fire / Rescue	12.5"-15.5"	Forward	34.0"	-003	-004	-001	-269 ⁺⁺
		Rear		-001	-002		-270 ⁺⁺

NOTE:

- + Contact vehicle manufacturer to verify frame width.
- ++ Upper air spring bracket not included. The original bracket equipped on this vehicle can be used with the new air spring assembly included in the U-beam assembly service kit.
- +++ PRIMAAX 260 single axle only. Use with Dana S26-190 axle.

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