



PRIMAAX[®] EX • FIREMAAX[®] EX

SUBJECT: Severe-duty Pivot Bushing and QUIK-ALIGN® Fastener Service Kits LIT NO: 59310-037 DATE: November 2020 REVISION: B

CONTENTS

QUIK-ALIGN Concentric Base

QUIK-ALIGN Eccentric Base

1"-14 UNF x 71/2"

Severe-duty Pivot Bushing

P-80 Bushing Lubricant-10 ml Kit No. 60632-015 – QUIK-ALIGN

Collar & 11/4" Fasteners, Axle Set

Confinement Washer

Hardened Washer: 11/4" or 1"

Locknut: 11/4"-12 UNF or 1"-14 UNF

Bolt: 11/4"-12 UNF x 8" or

INTRODUCTION

NOTE

This procedure is intended to assist maintenance personnel with the installation of the Severe-duty Pivot Bushing and QUIK-ALIGN® Fasteners, Kit Nos. 60632-043, 60632-033, or 60632-015 for Hendrickson PRIMAAX® EX • FIREMAAX® EX • PRIMAAX® • FIREMAAX® rear air suspensions.

The larger 1¹/₄" fasteners in Severe-duty Kits (60632-033 and 60632-015) only provide higher clamp load and do not increase bushing life. Only use the larger 1¹/₄" service kits with Hendrickson approval. Contact Hendrickson Truck Parts or Tech Services for further information.

Refer to the appropriate Hendrickson Technical Procedure and other publications for complete service and safety instructions regarding the particular PRIMAAX EX • FIREMAAX EX PRIMAAX • FIREMAAX rear air suspension on your vehicle. All such Hendrickson publications are available online at www. hendrickson-intl.com

A TECHNICIAN USING A SERVICE PROCEDURE OR TOOL WHICH HAS NOT BEEN RECOMMENDED BY HENDRICKSON MUST FIRST SATISFY HIMSELF THAT NEITHER HIS SAFETY NOR THE VEHICLE'S SAFETY WILL BE JEOPARDIZED BY THE METHOD OR TOOL SELECTED. INDIVIDUALS DEVIATING IN ANY MANNER FROM THE INSTRUCTIONS PROVIDED WILL ASSUME ALL RISKS OF CONSEQUENTIAL PERSONAL INJURY OR DAMAGE TO FOUIPMENT INVOLVED.

SEVERE-DUTY PIVOT BUSHING & QUIK-ALIGN FASTENER SERVICE KITS

DISASSEMBLY QUIK-ALIGN Concentric Base SERVICE HINT Use the QUIK-ALIGN Pivot Bushing Tool No. 66086-203L to help with the installation and removal of QUIK-ALIGN pivot bushings. The tool allows the existing pivot bushing to be pushed out from the U-beam assembly into the receiving cylinder. Then follow a similar procedure to push in the replacement pivot bushing, refer to Hendrickson Literature No. 59310-061. QUIK-ALIGN Concentric Base

NOTE When replacing a pivot bushing, Hendrickson recommends **BOTH** pivot bushings be replaced on the U-beam assembly.

1. Chock the wheels.



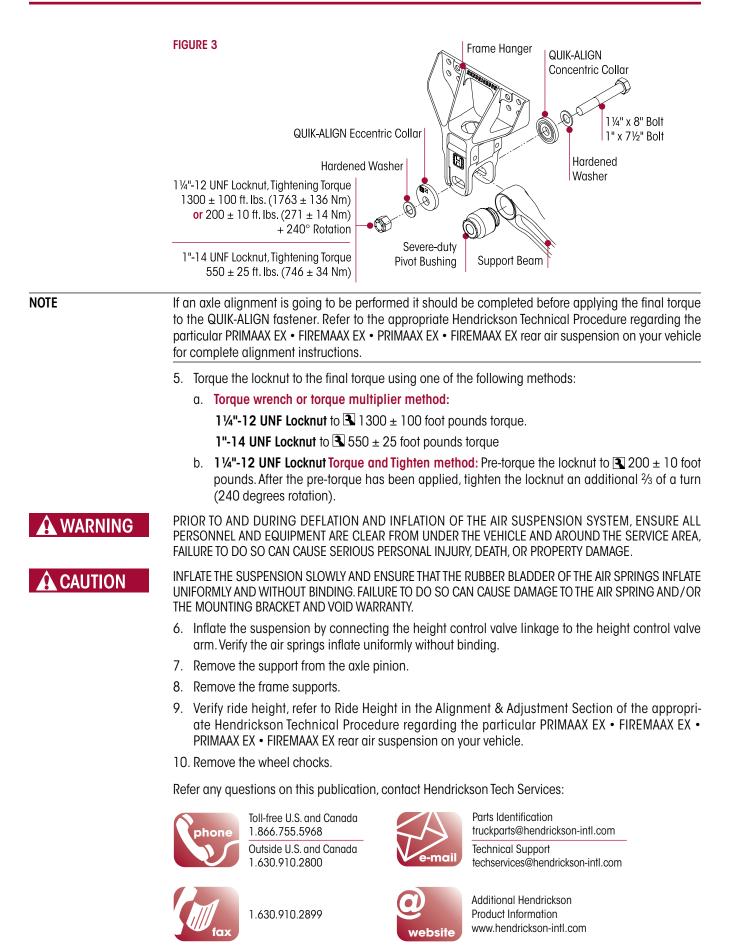


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Severe-duty Pivot Bushing &

	2. Support the frame of the vehicle at ride height.
A WARNING	AIR SPRING ASSEMBLIES MUST BE DEFLATED PRIOR TO INSTALLING QUIK-ALIGN PIVOT BOLT SEVERE SERVICE KIT. UNRESTRICTED AIR SPRING ASSEMBLIES CAN VIOLENTLY SHIFT. DO NOT INFLATE AIR SPRING ASSEMBLIES WHEN THEY ARE UNRESTRICTED. AIR SPRING ASSEMBLIES MUST BE RESTRICTED BY SUSPENSION OR OTHER ADEQUATE STRUCTURE. DO NOT INFLATE BEYOND PRESSURES RECOMMENDED BY AIR SPRING MANUFACTURER, CONTACT HENDRICKSON TECHNICAL SERVICES FOR DETAILS. IMPROPER USE OR OVER INFLATION MAY CAUSE AIR SPRING ASSEMBLIES TO BURST, CAUSING PROPERTY DAMAGE AND/OR SEVERE PERSONAL INJURY.
	PRIOR TO AND DURING DEFLATION AND INFLATION OF THE AIR SUSPENSION SYSTEM, ENSURE ALL PERSONNEL AND EQUIPMENT ARE CLEAR FROM UNDER THE VEHICLE AND AROUND THE SERVICE AREA, FAILURE TO DO SO CAN CAUSE SERIOUS PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.
	3. Disconnect the height control linkage assembly from the height control valve arm. Lower the level- ing valve arm to exhaust the air in the air springs and deflate the rear suspension.
A WARNING	PRIOR TO DISASSEMBLY OF THE SUSPENSION, VERIFY THAT THE AXLE BEING SERVICED IS SUPPORTED UNDER THE PINION HOUSING/DIFFERENTIAL SO THAT THE AXLE DOES NOT MOVE OR ROTATE. FAILURE TO DO SO CAN ALLOW THE AXLE TO ROTATE OR SHIFT, CAUSING COMPONENT DAMAGE, AND/OR SEVERE PERSONAL INJURY.
	4. Support the pinion of the axle being serviced.
	 Before loosening the existing QUIK-ALIGN collars mark the orientation of the QUIK-ALIGN eccentric collars on the frame hangers. This will allow the new components to be installed in the same orientation, preserving the existing alignment of the axle.
	FIGURE 1
	6. Remove and discard the existing fas- teners and QUIK-ALIGN collars.
	ASSEMBLY
NOTE	ASSEMBLY Severe-duty Service Kits QUIK-ALIGN collars vary. The 1" Service Kit have snouts and the 60632-033 and 60632-015 have no snouts, see Figure 1.
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	ASSEMBLY Severe-duty Service Kits QUIK-ALIGN collars vary. The 1" Service Kit have snouts and the 60632-033 and 60632-015 have no snouts, see Figure 1. Prior to assembly, verify the new fasteners will pass through the existing inner metal of the severe-duty pivot bushings, see Figure 2.
	 ASSEMBLY Severe-duty Service Kits QUIK-ALIGN collars and the 60632-033 and 60632-015 have no snouts, see Figure 1. Prior to assembly, verify the new fasteners will pass through the existing inner metal of the severe-duty pivot bushings, see Figure 2. NOTE "UK-ALIGN Collars have a snout 14" QUIK-ALIGN Collars have a snout 14" QUIK-ALIGN Collars do not NOTE "UK-ALIGN Collars do not Severe-duty pivot bushings. If the fastener will not pass through it may be necessary to ream the inner metal of the pivot bushing to 1¼" (1.25") to accommodate the 1¼" fasteners. Assemble the new severe-duty fasteners and QUIK-ALIGN collars see Figure 3. Ensure the QUIK-ALIGN eccentric collar is installed on the outboard side of the frame hanger.
	 ASSEMBLY Severe-duty Service Kits QUIK-ALIGN collars and the 60632-033 and 60632-015 have no snouts, see Figure 1. Prior to assembly, verify the new fasteners will pass through the existing inner metal of the severe-duty pivot bushings, see Figure 2. Note The Service Kit No. 60632-033 or 60632-015 with 1¼" Fasteners, verify the new fasteners will pass through the existing inner metal of the severe-duty pivot bushings. If the fastener will not pass through, it may be necessary to ream the inner metal of the pivot bushing to 1¼" (1.25") to accommodate the 1¼" fasteners. Assemble the new severe-duty fasteners and QUIK-ALIGN collars, see Figure 3. Ensure the QUIK-ALIGN eccentric collar is installed

4. Adjust the QUIK-ALIGN eccentric collars to the same orientation as the eccentric collars as prior to removal. This will return the axle to the pre-disassembly alignment.



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



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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