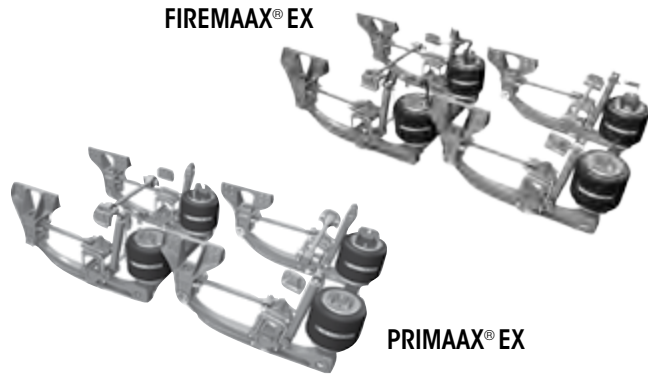


H ASSEMBLY INSTRUCTIONS



QUIK-ALIGN® Pivot Bushing Tool for PRIMAAX® EX • FIREMAAX® EX PRIMAAX® • FIREMAAX® Series

SUBJECT: Tool No. 66086-203

LIT NO: 59310-061

DATE: April 2014

REVISION: A

INTRODUCTION

This publication is intended to assist maintenance personnel with the installation / removal of the QUIK-ALIGN® Pivot Bushing with the help of the **NEW** Hendrickson Tool No. 66086-203 for vehicles equipped with PRIMAAX® EX • PRIMAAX® • FIREMAAX® EX • FIREMAAX® rear suspensions.

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



WARNING

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 EQUIPMENT INVOLVED.

NOTE

When replacing a pivot bushing it is recommended to replace both pivot bushings on the U-beam assembly.

To replace the QUIK-ALIGN pivot bushing you will need:

- A QUIK-ALIGN pivot bushing service tool (Part No. 66086-203), see Figure 1.
- $\frac{3}{4}$ " Impact wrench (impact gun), some $\frac{1}{2}$ " impact wrenches may work.

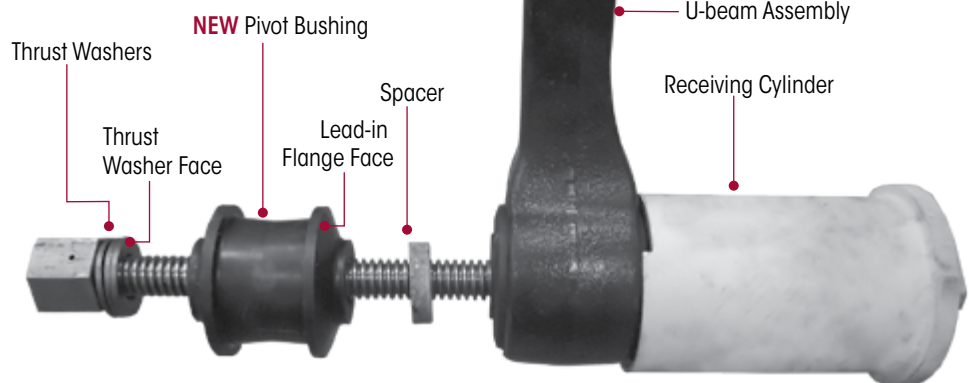
FIGURE 1

NOTE

Apply NLGI #2-EP chassis lubricant to each face of the thrust washers and to the drive screw that will engage through the receiving cylinder.

Apply P80 lubricant to the face of the lead-in flange and the outer diameter of **NEW** pivot bushing

QUIK-ALIGN Pivot Bushing Tool Part No. 66086-203



DISASSEMBLY

1. Remove the U-beam assembly from the vehicle per the U-beam Disassembly procedure in the appropriate PRIMAAX EX • PRIMAAX • FIREMAAX EX • FIREMAAX Technical Procedure.
2. After removal, place U-beam assembly on the floor or suitable work area.



ASSEMBLY

1. Install the pivot bushing tool and the NEW pivot bushing as shown in Figure 1.
2. Apply NLGI #2-EP (Extreme Pressure) chassis lubricant to each face of the thrust washers and to the drive screw that will engage through the receiving cylinder.
3. Snug the threaded drive screw to hold the thrust washers, NEW pivot bushing, spacer, U-beam assembly with the old pivot bushing and the receiving cylinder in place, see Figure 2.

NOTE

DO NOT use petroleum or soap base lubricant, it can cause an adverse reaction with the bushing material, such as deterioration.

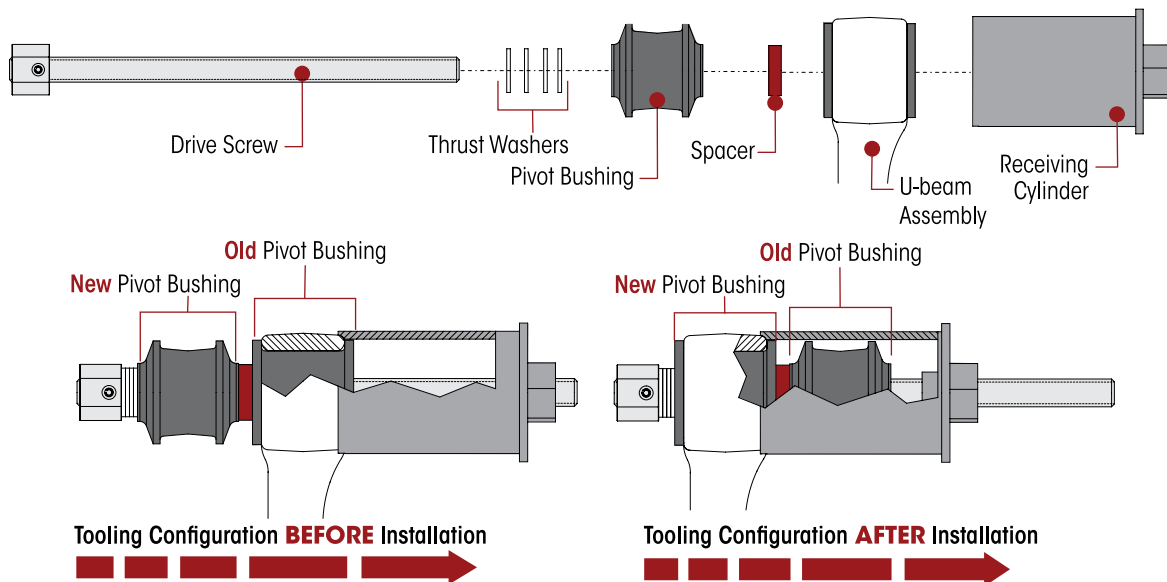
4. Apply P80 lubricant to the face of the lead-in flange and the outer diameter of NEW pivot bushing, see Figure 1. P80 lubricant is supplied in the QUIK-ALIGN Pivot Bushing Kits (Wheel End Kit No. 60961-720 or Axle Set Kit No. 60961-020).

SERVICE HINT

To center the pivot bushing within the end hub, it may be necessary to overshoot the desired final position. Then from opposite side, reverse the installation tool and press the pivot bushing again to center the bushing within the beam end hub.

5. Using a 3/4" impact wrench, rotate the drive screw in a continuous motion without stopping until the pivot bushing appears centered in the hub. The old bushing will fall into the receiving cylinder, see Figure 2.
6. Using the impact wrench rotate the drive screw in the opposite direction to remove tool.
7. Repeat Steps 1 through 6 for other side of the U-beam assembly.
8. Allow the lubricant four hours to dissipate before fully operating the vehicle.
9. Install the U-beam assembly per the U-beam Assembly procedure in the appropriate PRIMAAAX EX • PRIMAAAX • FIREMAAX EX • FIREMAAX Technical Procedure.

FIGURE 2



Refer any questions regarding this publication to Hendrickson Tech Services, toll-free at 1.866.755.5968 or e-mail: techservices@hendrickson-intl.com. For more information on Hendrickson products go to www.hendrickson-intl.com.

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