TN #21
July, 2015

TO: Worldwide Allison Distributors, Direct Dealers, and Service Dealers

ATTENTION: General Service Manager/Dealer Development Manager

SUBJECT: J-51606 Seal Installer

APPLICATION: 1000/2000 Series Transmissions

Allison Transmission, Inc. has developed a new Essential Tool for use on the 1000/2000 Series Allison Transmissions. The J-51606 Seal Installer has been developed in an effort to minimize the risk of damaging the selector shaft seal during replacement procedures.

The newly developed tool will supersede the existing two piece J-43909 Selector Shaft Seal Installer. The J-51606 Seal Installer will be an Essential rated tool for both Maintenance and Overhaul service facilities. Distributors and Dealers are required to purchase the new tool within 60 days from the Allison Transmission Special Service Tool Web Store in North America (*https://allison.service-solutions.com/*), or from your Bosch Regional Customer Suport Representative. An Essential Tool Program discount will be in effect for the initial 60 days.

2812350

Figure 1. J-51606 Seal Installer

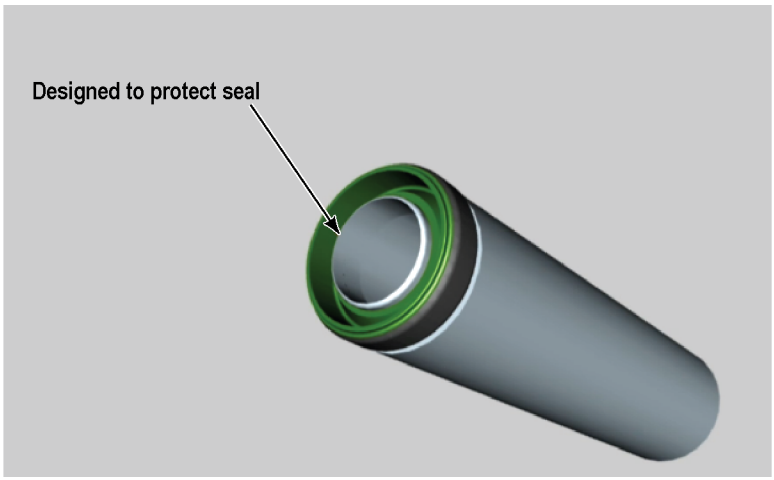
Instructions for Use of Tool:

1. Remove the old seal using J-43911 Seal Remover.
2. Thoroughly clean any nicks, burrs, or rough edges from the selector shaft. The new J-51606 tool will smoothly slide onto a properly prepared selector shaft.

2801907

Copyright © 2015 Allison Transmission, Inc. All Rights Reserved.

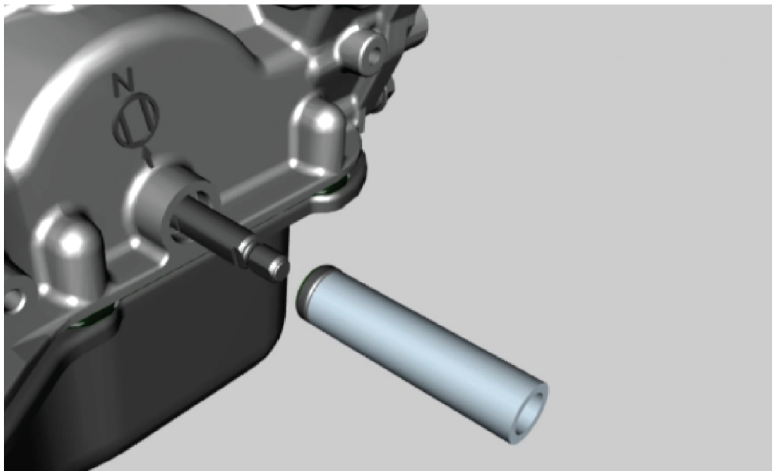
3. Lightly lubricate the inside of the new seal with clean transmission fluid. DO NOT lubricate the outer diameter of the seal.
4. Place the seal onto the stepped end of J-51606.



2802906

Figure 2. Seal Properly on Tool

5. Clean and dry the seal mating surface on the transmission main case.
6. Guide the tool over the selector shaft until the seal begins to contact the bore.

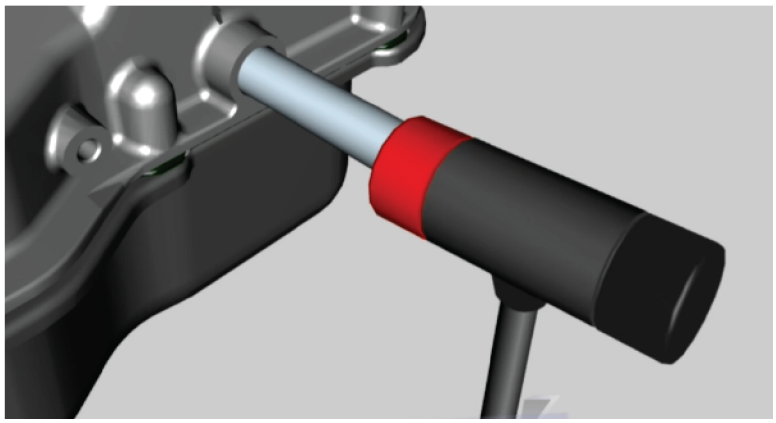


2802996

Figure 3. Install Seal

7. Using a mallet, tap the end of J-51606 until the seal is bottomed in the bore.

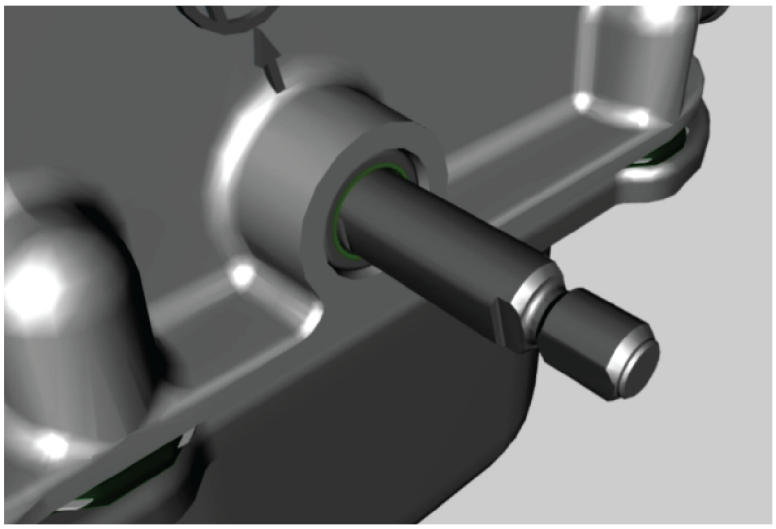
Copyright © 2015 Allison Transmission, Inc. All Rights Reserved.



2803086

Figure 4. Tap Into Place

8. Remove the J-51606 tool from the selector shaft.



2803176

Figure 5. Seal Installed

Copyright © 2015 Allison Transmission, Inc. All Rights Reserved.