Mack SNM 15-028 Unit Injector V-Ring Application and Installation

Internal Content

The V-Ring installation reduces lifting forces created by pressure spikes and provides an additional margin of combustion gas leakage protection. See SNM15-028 for further information.

Tags snm15-028 mack k71882192 mp10

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Service News

To: *U.S. and Canada Mack General Managers*
U.S. and Canada Mack Service Managers
U.S. and Canada Mack Service Technicians
U.S. and Canada Mack Warranty Managers

From: *Greg Holderfield – Director, Product Reliability*

Subject: *Unit Injector V-Ring Application & Installation*

Bulletin: *SNM15-028*
Date: *September 10, 2015*
Valid to: *Until Further Notice*
Replaces: *N/A*
Action Required? **Yes**

Unit Injector V-Ring (21943786) Application & Installation using V-Ring Install Tool (22651843)

The V-ring is only required to be added to the MP10 unit injector (model years 2010 and newer), as the MP10 tends to operate in applications where higher duty cycle and loading are used. We have found that the improvements that the V- ring provides will help in reducing the lifting forces created by pressure spikes from fuel spill pulses. This has been demonstrated through laboratory and field-testing. The pressure spike duration time is twice the level on a MP10 compared with MP7 and MP8. This is why, the MP10 is adopting the V- ring to provide additional margin against leakage for the combustion gas sealing area.

The V-ring installation tool has been shipped as an essential tool. It is to be used to aid in the installation of the V-rings and verification of a correct installation. V- rings will be available for order through the normal parts order process. All service information has been updated to reflect the new tool and the V-ring, pictures of both have been included to aid in identifying these new parts.

For Additional Service Information Refer to: SB 237-60-03



Figure 1 V-ring placed on injector cap-nut



Figure 2 V-ring installed in lower groove of cap-nut

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V-Ring Install Tool



Figure 5 Press the V-ring Gasket Installation Tool over the Injector Nozzle. Make sure the lower sealing ring groove is empty

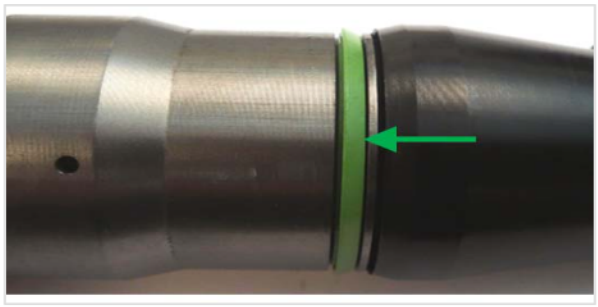


Figure 4 Lubricate the V-ring GASKET with engine oil/ diesel and push the V-ring GASKET gently into the empty Injector sealing ring groove from the V-ring Gasket Installation Tool

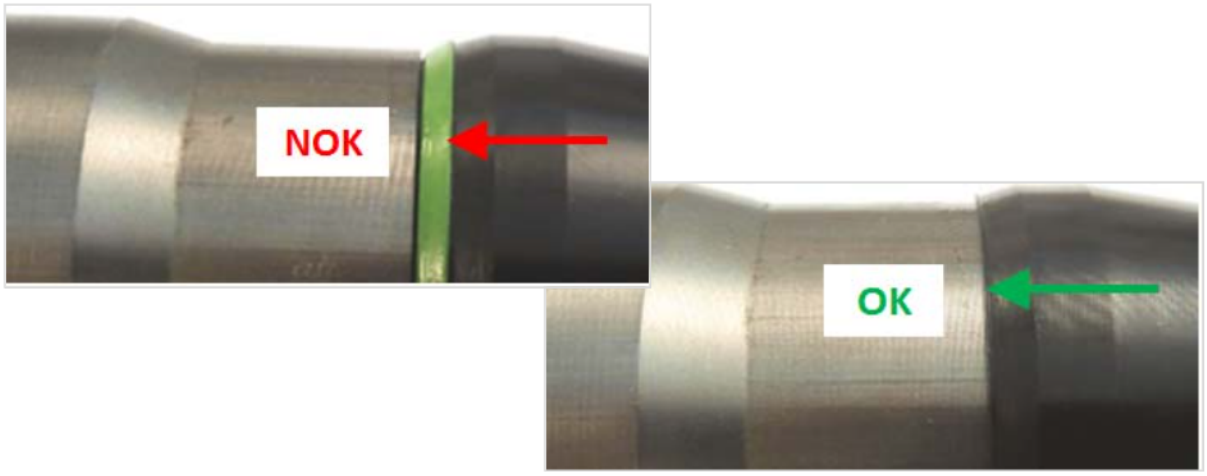


Figure 3 After the V-ring Gasket is Installed Check if Gasket is correctly assembled by pressing the tool over the Injector Nozzle. If Tool can close the sealing groove the V-ring is correctly installed

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