



# Technical Service Bulletin

SUBJECT:			No: <b>TSB-19-11-001</b>
<b>CORRECTION TO FUEL INJECTOR (HIGH PRESSURE) REMOVAL &amp; INSTALLATION - SERVICE MANUAL REVISION</b>			DATE: <b>February 2019</b>
			MODEL: <b>2018 Eclipse Cross</b>
<b>CIRCULATE TO:</b>	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

## PURPOSE

This TSB updates the Engine Overhaul section of the affected Service Manuals to revise the Injector (High Pressure) removal and installation procedure.

## AFFECTED VEHICLES

- 2018 Eclipse Cross

## AFFECTED SERVICE MANUAL

- 2018 Eclipse Cross Service Manual, Group 11B - Engine Overhaul



Please make the indicated changes to the 2018 Eclipse Cross Service Manual, Group 11B - Engine Overhaul -> Engine Overhaul -> Injector (High Pressure) -> Removal and Installation.

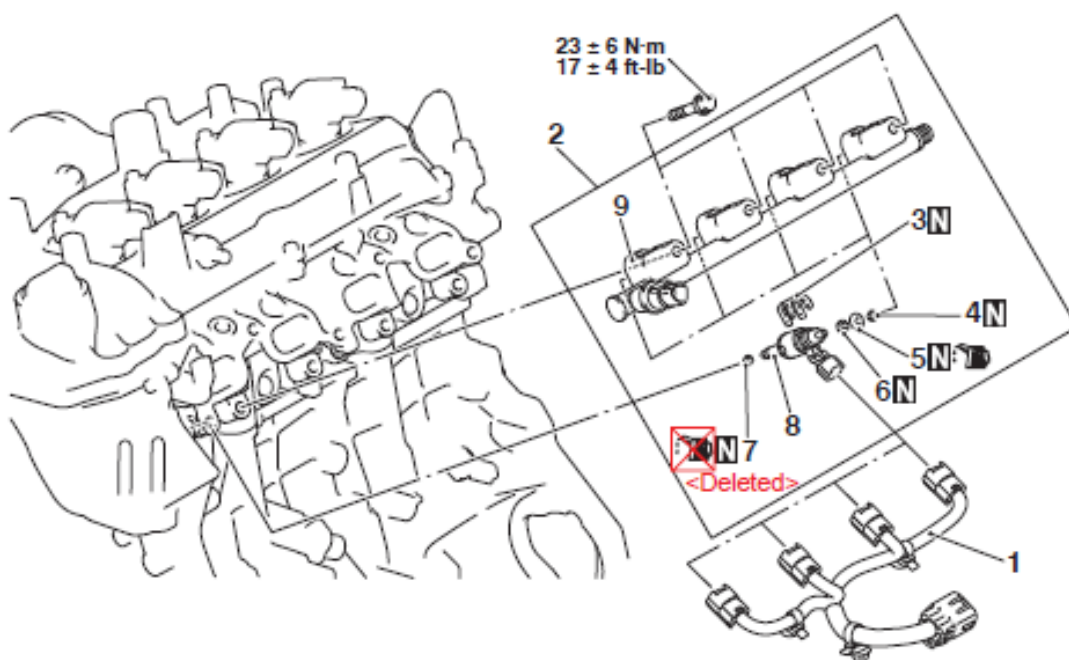
## INJECTOR (HIGH PRESSURE)

### REMOVAL AND INSTALLATION

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#### **CAUTION**

Do not install or remove the fuel rail and fuel injector assembly (high pressure) while holding the fuel pressure sensor.



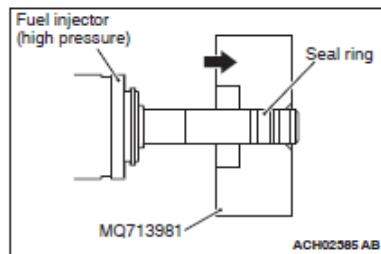
ACH05489 AB

#### Removal steps

- 1. Control harness
- >>E<< 2. Fuel rail and fuel injector assembly (high pressure)
- >>D<< 3. Injector support
- >>C<< 4. Ring stopper

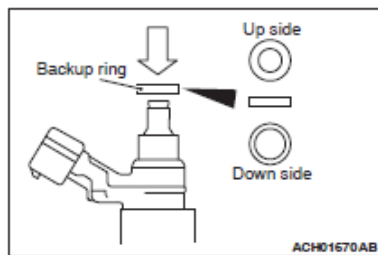
#### Removal steps (Continued)

- >>B<< 5. O-ring
- <<A>> >>A<< 6. Backup ring
- >>A<< 7. Seal ring
- 8. Fuel injector (high pressure)
- 9. Fuel rail (high pressure)



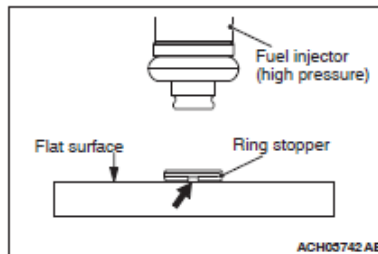
5. Move the special tool injector seal drift (MQ713981) in the direction of the drawing so that the seal ring will fit into the groove.
6. Hold it for over 30 seconds to fit the seal ring.

>>B<< BACKUP RING INSTALLATION



Install the backup ring with the wider side facing upward to the fuel injector (high pressure).

>>C<< RING STOPPER INSTALLATION

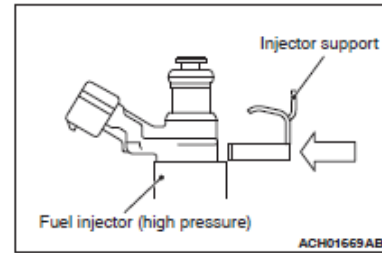


1. As shown in the Fig., put a link stopper on a flat surface.
2. Pushing the fuel injector (high pressure), install the ring stopper.

<Correct>

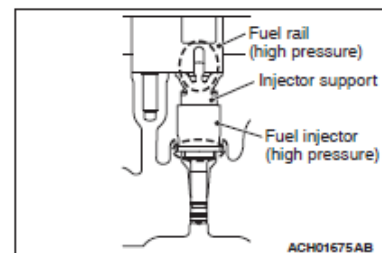
1. Confirming that the injector support and Fuel delivery pipe (high pressure) are in the positions shown in the figure.
- 1-1. When installing the Fuel injector (High pressure) assembly, apply engine oil to the seal ring.

>>D<< INJECTION SUPPORT INSTALLATION



Install the Injector support to the fuel injector (high pressure) as shown in the figure.

>>E<< FUEL RAIL AND FUEL INJECTOR (HIGH PRESSURE) ASSEMBLY INSTALLATION

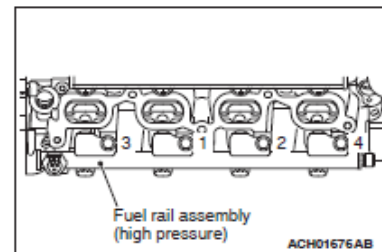


**CAUTION**

- Never hold the fuel pressure sensor during the installation. If adding loads to the fuel pressure sensor, it may cause the trouble.
- Replace the seal ring when the seal ring is damaged during installation.
- When an O-ring is damaged during installation, replace the O-ring and ring stopper.

<Incorrect>

1. After confirming that the injector support and Fuel rail (high pressure) are in the positions shown in the figure, install them to the cylinder head.



2. Tighten bolts 1 and 2 shown in the figure alternately by one rotation at a time to the specified torque.