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PressureLoc 6R140

Installation Instructions

1030385

Ford 6.7L 2011-2019

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION

K I T C O N T E N T S

Please check to make sure that you have all the parts listed in this kit **before** you start the disassembly of your truck.

1030385



PressureLoc Solenoid

Qty: 1

INTRODUCTION

The Ford 6R140 transmission varies line pressure between 70 and 170 psi. This works well for stock trucks but for heavy duty use and higher horsepower applications this may be insufficient.

BD's PressureLoc for the 6R140 is a solenoid replacement that overrides the transmission line pressure to maximize output enabling the transmission to handle higher horsepower. The BD PressureLoc will allow the transmission to produce 250-300psi, substantially increasing clutch holding power which prevents clutch slippage and premature clutch failure.

PRE-INSTALLATION

Position vehicle on a hoist and chock wheels to prevent vehicle from rolling. Record radio settings then disconnect the negative terminals on both of the vehicle's batteries, and then disconnect the positive terminals.

REMOVAL

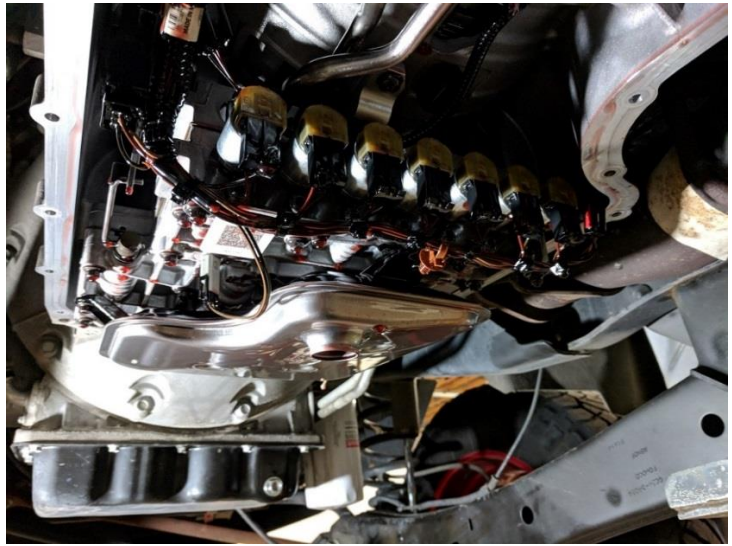


VEHICLE SHOULD BE SAFELY SECURED BEFORE INSTALLATION.

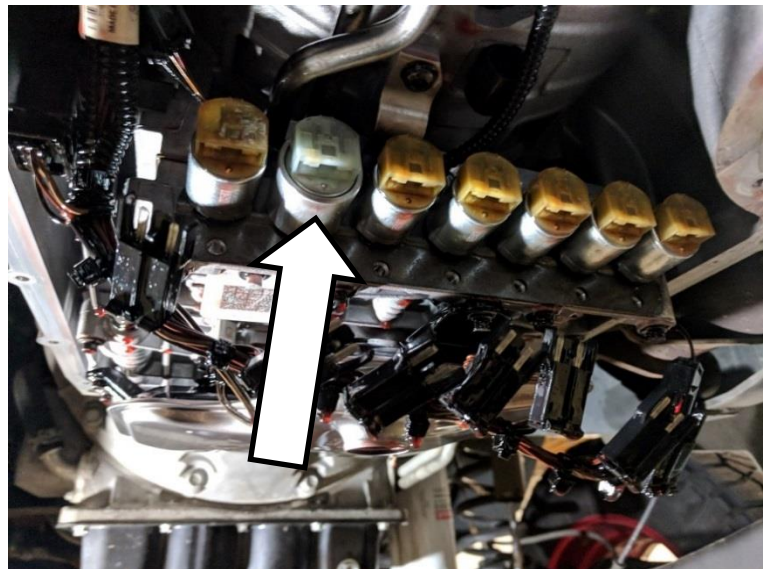
1. Drain transmission fluid and remove pan.



2. Disconnect all solenoids.

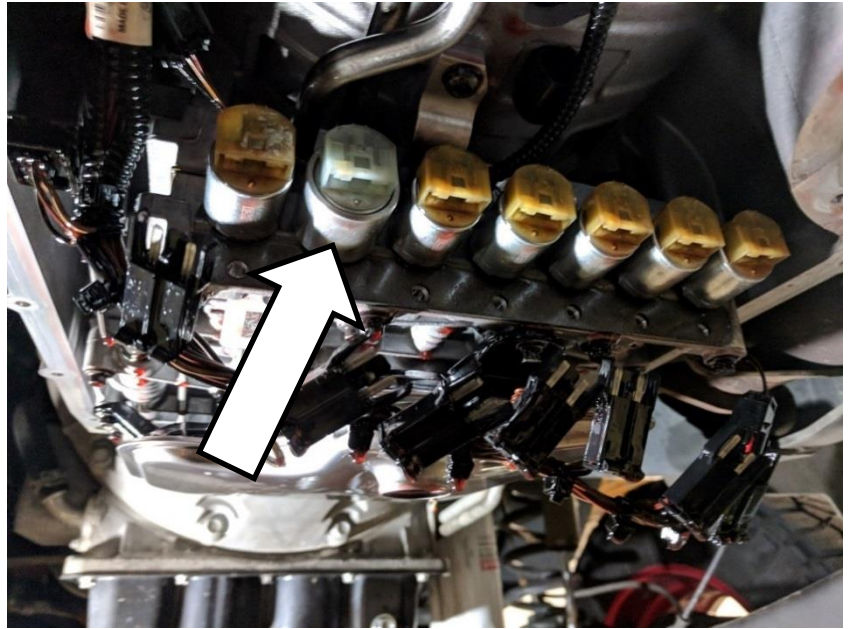


3. Remove the T27 screws securing the solenoid retainer plate and remove the plate.
4. Remove the second solenoid from the driver side.

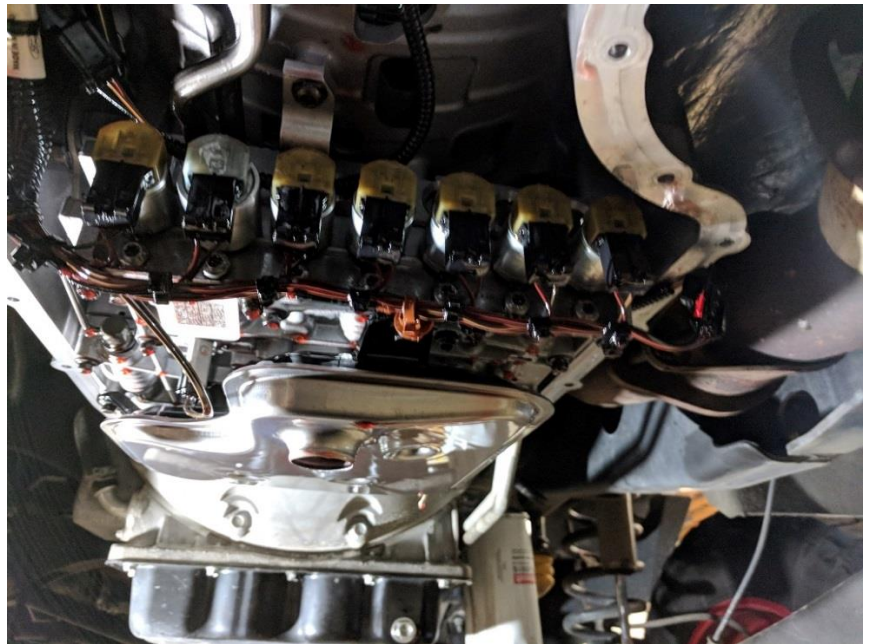


5. Lubricate the O-rings on the BD solenoid to ease installation.
6. Install the BD solenoid as shown and insert the solenoid retaining plate.

Note: BD solenoid will require some effort to install, as the new O-rings have not been compressed yet.



7. Secure the retaining plate and install connectors into solenoids.

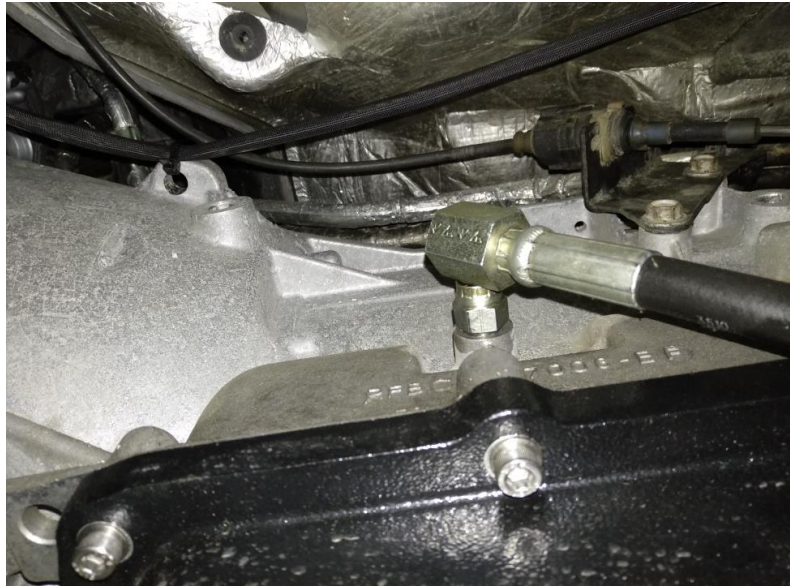


8. Reinstall transmission oil pan and fill with transmission fluid.
9. Be sure to check fluid level and add fluid accordingly and as needed.

Verification (Optional)

Ford transmissions do not have pressure sensors, therefore the pressure changes will not be observed using a scan tool. Pressure readings on the scan tool will be TCM requested pressure readings. To verify the increase in pressure from this component a mechanical gauge is required. Using a mechanical gauge and a hydraulic hose; test the pressure using the port located on the side of the transmission.

Caution: Use high pressure rated hose as pressure can reach up to 300psi.



Note: In low ambient temperatures some transmissions may exhibit a pump noise, not all are affected. This noise will subside as the fluid warms up. While not detrimental, if deemed unacceptable, remove the solenoid and reinstall the factory one.