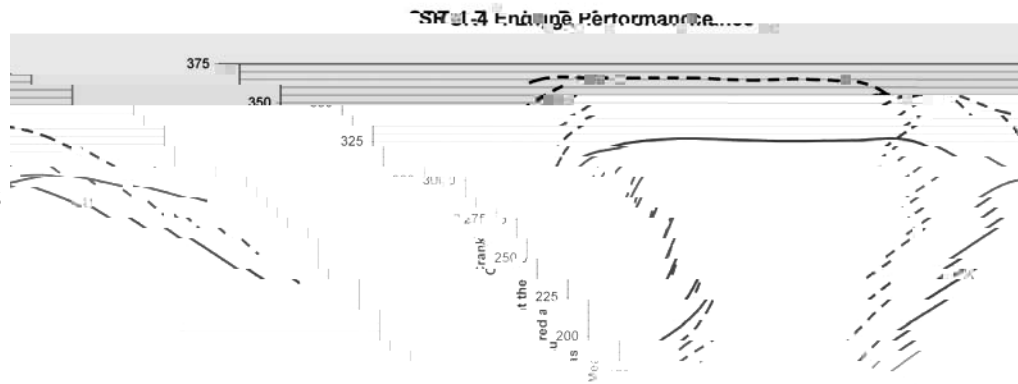


Stage 3R Turbo Upgrade Kit Components

- (1) Stage 3R PCM
 - (4) 682 cc/min Fuel Injectors*
 - (1) 3.0 bar MAP Sensor*
 - (1) 3.0 bar TIP Sensor*
 - (1) Block-off Connector for PCM
 - (1) Mopar TD05HR Turbocharger Assembly (with integrated exhaust manifold) and Penta-flange Exhaust Elbow
 - (1) Demand-regulated Fuel Rail Assembly
 - (1) 180 lph Fuel Pump Module
 - (1) Fuel Rail Regulator Hose Kit
 - (1) Exhaust Manifold Gasket
 - (1) Exhaust Flex Joint Gasket
 - (7) Exhaust Manifold Bolts
 - (6) Oil/Water Banjo Fitting Sealing Washers
 - (1) Oil Return Line Gasket
 - (1) Vacuum Harness Securing Kit
- * Not included in the Stage 2 to Stage 3R Upgrade Kit (P4510339).

Recommended Upgrades

- P4510647 Performance Clutch



SPECIAL NOTE:

P0633 Fault Code Explanation

It is normal for the Mopar Turbo Upgrade Kits to set the P0633 fault code. This code will not activate the MIL (Malfunction Indicator Light), but it will be displayed during a diagnostic check. The vehicle functionality or performance will not be affected as a result of this code.

Fuel Line Pulsation Resonance Explanation

It is normal for the Mopar Stage 3R Turbo Upgrade Kit to exhibit fuel line pulsation resonance at idle and low engine loads. This condition is characterized by an audible "tapping" noise emanating from the fuel system, particularly in the area of the fuel line leading from the firewall to the inlet of the demand regulated fuel rail. This condition is normal and is generated by the fuel pressure regulation system at low injector pulse widths. It will not be affected as a result of this condition.

performance (will not be affected as a result of this condition). J/J/F2 1 T f0 -242 TD-0.1341 Tc (Not legal for use in pollution-controlled

Installation Procedure

- (1) Release fuel system pressure per Section 14 (Standard procedure – fuel system pressure release)
- (2) Disconnect battery and remove battery tray per Section 8 (electrical/battery system/battery – removal)
- (3) Drain engine coolant per Section 7 (Standard procedure cooling/engine)
- (4) Drain engine oil and remove oil filter per Section 9 (Standard procedure – engine and oil filter change)
- (5) Review standard procedures and Section 14 to become acquainted with the fuel lines, hoses and clamps and fuel quick connect fittings.
- (6) Remove air cleaner assembly per Section 9 (Engine/air intake system/air cleaner housing – removal)
- (7) Disconnect the vacuum and harness from the turbocharger per Section 11 (Solenoids and vacuum harness – removal), and lay aside
- (8) Remove Powertrain Control Module per Section 8e (Powertrain control Module – 2.4L SRT-4 – removal)

MAP SENSOR

REMOVAL

- A. Locate MAP Sensor on front of intake manifold.

Fig. 6 Map Sensor Location

- (20) Review front cross member description in Section 13 (Front cross member removal). Mark position of front cross member assembly in vehicle by tracing mounting pads as shown in (Fig. 8).

Fig. 8 Mark Position of Front Cross Member Assembly

- (21) Remove front cross member, steering rack and lower steering shaft per Section 13
- (22) Remove turbocharger assembly per Section 11 (Turbocharger – removal) and coolant and oil lines per Section 11 (Lines and hoses – removal) and place aside.
- (23) Install new Stage 3R Performance Turbocharger Assembly in vehicle per Section 11 (Turbocharger – Installation) and coolant and oil lines per Section 11 (Lines and hoses – installation). When torquing coolant lines, be careful to note and maintain line orientation to ensure proper fit. Slight trimming of the oil return hoses may be required to ease oil return line installation.**NOTE: USE A SMALL AMOUNT OF ADHESIVE (E.G., CONTACT CEMENT, WEATHER STRIP ADHESIVE, ETC.) TO ENSURE THE 2.5 MM THICK SHIM WASHER IS HELD IN PLACE UNDER THE 2 HATHSHIMLD IDURING IhdSASLLTHIONOF AHE ashSiIMJT*Bolty**
- (21) , steering rack and lower steering shaft per Section 13 tion). When to 818 -1.2 TD((23)w((20))5.65Remove turide.)Tengntatin Ifiltbly ines peion 13

