

ATTENTION! – IMPORTANT ENGINE INSTALLATION INFORMATION

WARNING! IF THE ENGINE BEING REPLACED HAS EXPERIENCED A CATASTROPHIC FAILURE – Including Piston, Broken Cylinder Bore, Valve or Valve Seat Failure — THE INTAKE MANIFOLD MUST BE REPLACED WITH A NEW MANIFOLD or SCREENED INTAKE MANIFOLD GASKETS are to be used, if provided in the kit. **CAUTION:** Debris inside the cylinder bore large enough to allow contact with the piston and head can be misdiagnosed as a lower end knock. IF THE ENGINE IS EQUIPPED WITH A PLASTIC OIL PAN, THE PAN MUST BE REPLACED BECAUSE IT CANNOT BE THOROUGHLY CLEANED.

The Engine warranty does not cover failures caused by:

- Debris dropped into the engine during install such as nuts, bolts or tools
- Debris ingested through the intake or exhaust from the previous failure

Please refer to the appropriate service manual for the proper fluid and torque specifications, engine and component installation instructions, and testing information. The FCA US LLC manuals can be found in two locations:

- FCA US Dealers – Service tab of TechCONNECT
- Non-FCA US Dealers – The service manual info can be obtained online for a subscription fee at: <https://www.techauthority.com/>

1. All other items being transferred to this engine must be washed, blown out and inspected for any damage.

2. The following parts **MUST** be inspected and replaced if necessary: (The customer will be charged for any repairs if the vehicle is outside of warranty.)

- ☐ Filters – Air and fuel
- ☐ Catalyst and Exhaust system
- ☐ Fuel Lines/Hoses and Clamps
- ☐ Cooling and Heating Hoses and Clamps
- ☐ Vacuum Hoses
- ☐ Spark Plugs
- ☐ Ignition Coil
- ☐ Accessory Drive Belt
- ☐ A NEW torque converter, transmission input shaft bearing must be installed

3. Faulty knock sensor may result in serious engine damage. If equipped, clean both mating surfaces and torque as per Service Manual.

4. **WARNING: PRIOR TO CRANKING OR STARTING THE ENGINE**

– The following must be performed or the warranty will be void:

(The customer will be charged for any repairs if the vehicle is outside of warranty.)

- ☐ If Thermostat, Oil Filter, Water Pump, Oil Pickup Tube or Oil Cooler did not come new they **MUST** be replaced. These parts cannot be swapped over from the failed engine and reused.

- ☐ The Accessory Drive Belt **MUST** be installed per the procedure outlined in the Service Manual.
 - ☐ The cooling system **MUST** be filled with New Coolant using the proper coolant type, mixture and fill procedure outlined in the Service Manual. Vacuum fill?
 - ☐ The engine **MUST** be filled with New Approved Motor Oil using the proper weight of oil and fill procedure outlined in the Service Manual. Do not overfill engine as this may cause serious damage to the catalytic converter if so equipped.
5. After engine is started and brought up to operating temperature, a visual check must be carried out for any oil, coolant or vacuum leaks. Any necessary adjustments must be made at this time.
6. If the vehicle is equipped with a turbo system, a complete check **MUST** be carried out to make sure the turbo is working properly; refer to the Service Manual for more information.
7. A test drive and final checkup **MUST** be performed before the vehicle is delivered to the customer.
8. Check running engine. Some minor adjustments may also have to be made at this time, e.g. – belts and engine cover.
9. Check for oil, coolant and fuel leaks.

