

1991-99 4.0L EXHAUST MANIFOLD



This replacement Jeep® Exhaust Manifold is an improved design over the Original Equipment design. It will not install like the original equipment exhaust manifold.

Failure to install the exhaust manifold as mentioned in the installation section will cause the intake manifold and the exhaust manifold to sit incorrectly on the cylinder head. This will result in a vacuum leak causing drivability problems.

REMOVAL

1. As with any repair, disconnecting the negative battery cable is recommended. Also recommended is the use of a battery backup pack. This will prevent any loss of memory when the battery is disconnected. If one is not available, note down all radio stations so that they can be re-programmed when installation is complete.
2. Remove air cleaner assembly.
3. Disconnect the accelerator cable, cruise control cable, and transmission line pressure cable where necessary.
4. Disconnect all electrical connectors on intake manifold, remove fuel lines and rail.
5. Loosen belts and remove power steering pump.
6. Disconnect exhaust pipe from manifold and throw away the gasket. Remove the intake and exhaust manifold as an assembly.

INSTALLATION

1. Clean all mating surface. Install new gasket provided over alignment dowels. **Place the exhaust manifold onto the cylinder head and support it with loosely installed bolts in locations 3, 6 and 7.**
2. Install bolts 1, 2, 4 and 5 about three turns into the engine block. **Guide the intake manifold onto the cylinder head dowels.** Loosely install remaining intake/exhaust bolts. Be sure the exhaust manifold and intake manifold sits flush while tightening bolts.
3. Torque all bolts to the specifications and correct sequence as shown below. Re-install the fuel rail and fuel injectors. Replace the power steering pump and belts.
4. Use the new O'rings and re-install the fuel supply and lines. Re-connect electrical and vacuum connections, throttle cable, cruise control and

transmission line pressure cables.

5. Re-install the air cleaner.
6. Use the new seal provided and connect the exhaust pipe to the manifold, torque to 23 ft. lbs.
7. Re-connect battery and remove battery backup pack.
8. Run the engine and check for leaks. If a battery backup pack was not used, reset digital clock and favorite radio stations as noted.

BOLT TORQUE SPECIFICATIONS

