

INSTALL/REMOVAL INSTRUCTIONS: INTAKE MANIFOLD

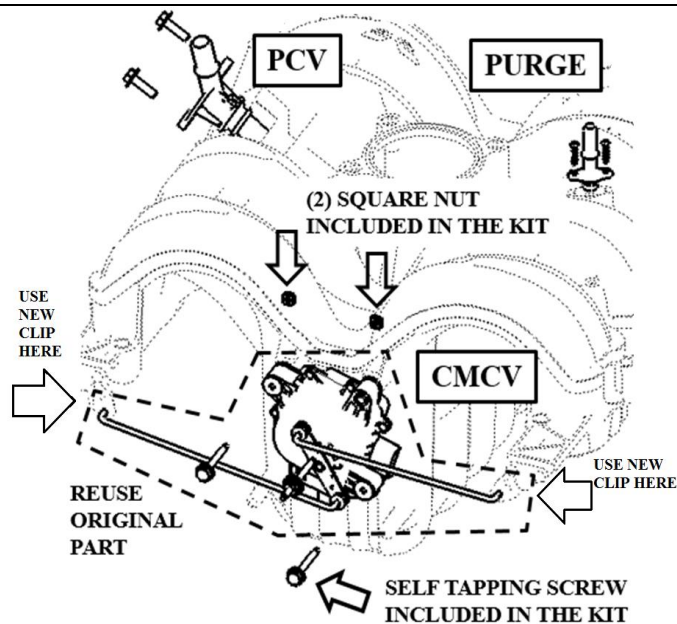
ATTENTION: Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully. Failure to do so will result in severe damage to the intake manifold and to the engine.

REMOVAL/INSTALL OF INTAKE MANIFOLD FOR 5.4 LITER 3 VALVE V8 ENGINE

GENERAL TECH TIPS:

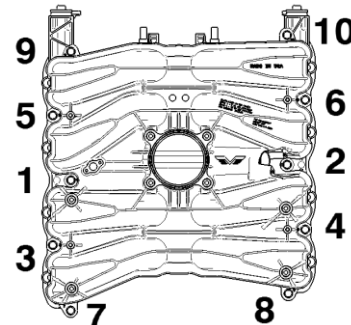
- This updated manifold does not require additional intake gaskets - gaskets are already installed into the manifold.
- Fully seat the injectors into manifold when installing the fuel rail. Failure to do so will result in a vacuum leak.
- To install any self-tapping screw, tighten down until screw head bottoms out. **DO NOT OVERTIGHTEN!**
- To install fuel rail, first start all M6 self-tapping screws for **three rotations**. Then tighten down just until fuel rail bottoms out. **DO NOT OVERTIGHTEN!**

- 1) Carefully remove intake manifold per the service procedure outlined in the shop manual.
- 2) Clean cylinder head mounting surfaces.
- 3) Customer will reuse CMCV actuator from original manifold including one M5 screw and one M5 double-end screw. To prepare for assembly, put (2) M5 square nuts into two pockets and line-up the square nut threaded hole with the pocket through-hole by lightly pushing the nut downward. Start all 3 actuator fasteners before tightening any to completion. In addition to reusing two M5 fasteners, use the provided M6 X 35 mm long self tapping screw as shown in the location as above right; tightening until it bottoms firmly.



- 4) Use 2 new provided spring clips to secure linkage ends to new levers per shop manual. Dorman has provided customer with 2 new clips as removal of clips from linkages can bend clips. It is also critical to connect linkages to correct levers – follow shop manual to ensure proper linkage orientation/function.
- 5) Reuse PCV connector and attach with (2) provided M6X21 self-tapping screws.
- 6) Install new purge connector to manifold with (2) provided Phillips head screws.
- 7) Install new intake manifold per shop manual. Please note: For 2004 applications use provided washers. Tighten intake bolts as follows in sequence shown right:

Stage One: 2 Nm (18 inch lbs) Stage Two: 10 Nm (89 inch lbs)



Disclaimer:

Even though every attempt is made to ensure this information is complete and accurate, it is impossible to account for all possible circumstances or situations. Please consult with a qualified auto technician before attempting to perform any work you are not qualified to do. Automobiles can be hazardous to work on; be sure to take all necessary safety precautions. Failure to do so may result in property damage or personal injury. Certain motor vehicle standards and performance requirements may apply to our motor vehicle (such as Federal Motor Vehicle Safety Standards by the National Highway Traffic Safety Administration). Be sure that your work is performed in accordance with such standards and that you do not disable any motor vehicle safety feature.