

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 GM LS1, LS6

GENERAL TECH TIPS:

- Be sure to fully seat the injectors when installing the fuel rail. Failure to do so will result in a vacuum leak.
- To install fuel rail, first start all M6 self-tapping fasteners for **three rotations. Tighten down (5Nm-7Nm). DO NOT OVERTIGHTEN!**

1. Carefully remove intake manifold per the service procedure outlined in shop manual.

2. Clean mounting surface.

3. Replace 11 valley cover bolts with the supplied button head cap screws in kit.

Tightening torque: 23-25Nm (18ft/lbs)

4. Install MAP sensor and tighten included self tapping screw to hold in position.

Tightening torque : Less than 5 Nm

5. Put two square nuts in the pocket and install accell cable bracket.

6. Install new intake manifold

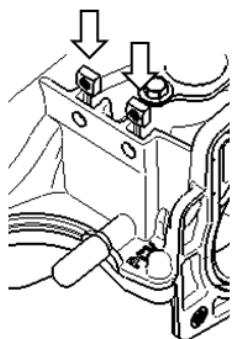
per shop manual.

7. Pre-install intake bolts.

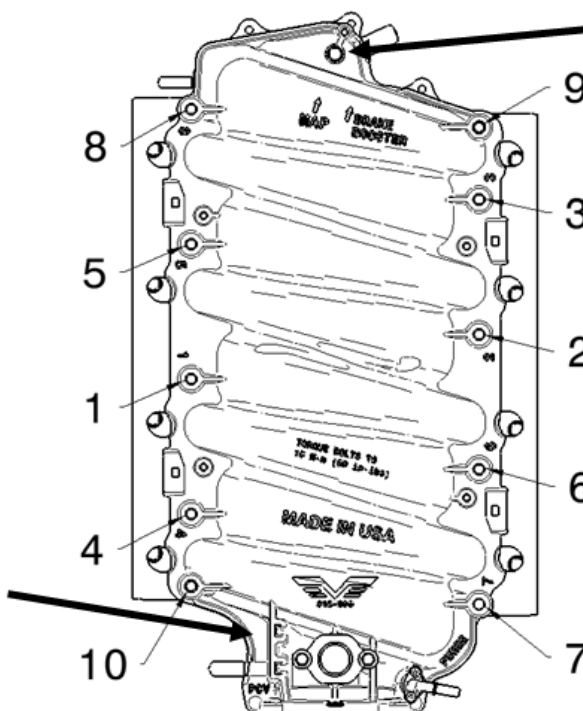
8. Tighten intake bolts as follows
in sequence shown blow.

Stage One: 2 Nm (18 inch lbs.)

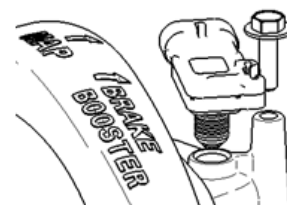
Stage Two: 10 Nm (89 inch lbs.)



**ACCELL CABLE
BRACKET**



MAP SENSOR



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.