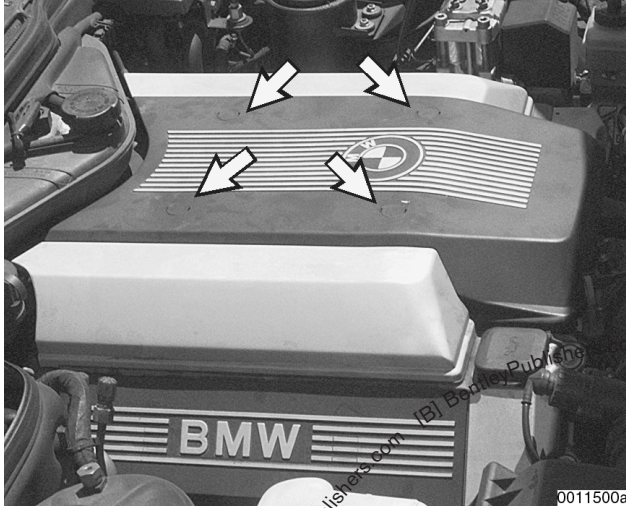


Intake manifold non-return valve, removing and installing (M60 engine)



WARNING —

Due to risk of personal injury, be sure the engine is cold before beginning work on the intake manifold.

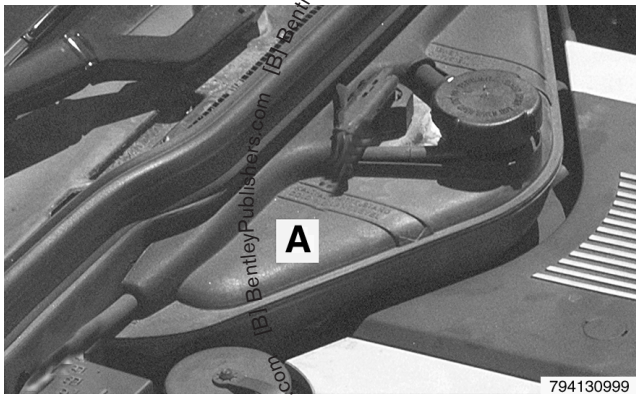
— Disconnect negative (–) battery cable. See **020 Maintenance**.

CAUTION —

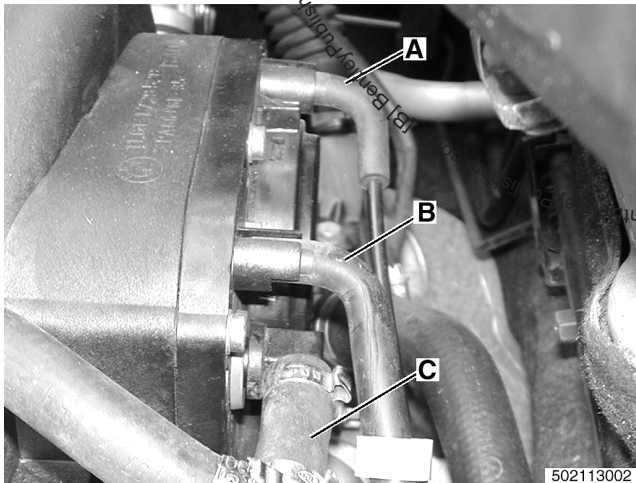
Prior to disconnecting the battery, read the battery disconnection cautions given at the front of this manual on page viii.

Remove plastic covers from top of engine.

- Pry out plugs (**arrows**) from covers.
- Remove nuts and bolts from beneath plugs.
- Lift off covers, removing center cover first.

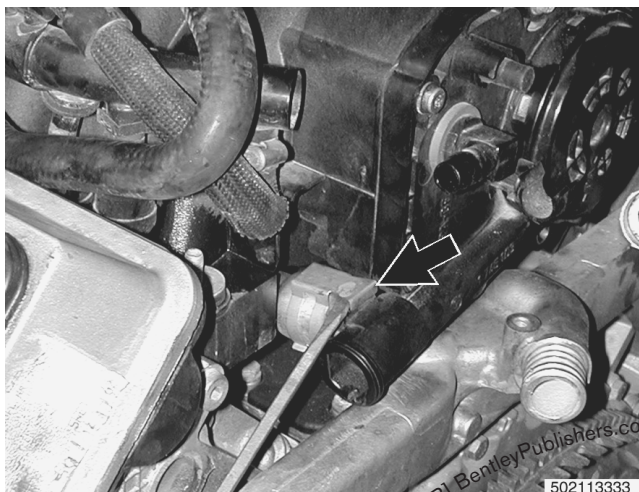


Remove coolant expansion tank (**A**). See **170 Radiator and Cooling System**.



Working at rear of intake manifold:

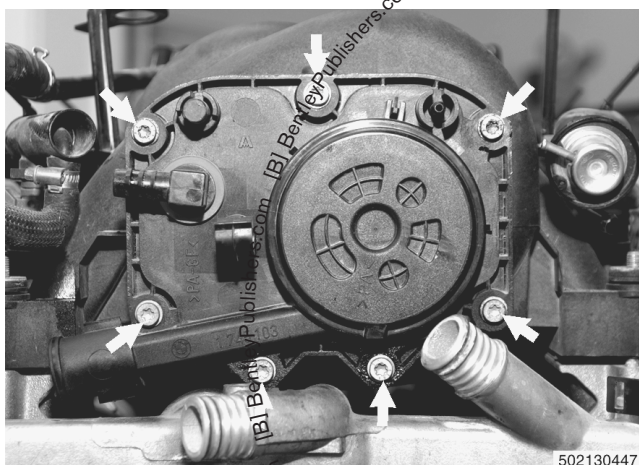
- Remove vacuum hoses (**A** and **B**) and brake booster hose (**C**).



Remove tube locking clip (**arrow**) and slide vent tube forward.

NOTE —

Heater hoses shown removed for clarity.



Remove rear intake manifold non-return valve fasteners (**arrows**) and remove valve assembly.

NOTE —

Do to restricted space at the rear of intake manifold, it may be necessary to use a short star drive bit with a wrench to access and remove fasteners.

— Installation is reverse of removal.

NOTE —

Always install new gaskets and seals.