

Heatshield Gasket Installation

Tools Needed:

12 mm ring and open ended spanner
12 and 10 mm socket and extensions
Screwdriver and pliers
Bluetac (for holding the lower 12mm nuts in the socket)
Magnetic Pickup (for the 12mm nuts you **will** drop)

1) Drain the radiator.

2) The race gaskets are supplied with the coolant bypass next to cylinder # 4 blocked. This is the thermostat bypass and will stop the thermostat opening, as the wax pellet never receives any hot water. Remove and drill six 1/8" holes around the thermostat circumference. If you do not do this the car will overheat.

3) About 10 cm under the throttle body remove two hidden 12 mm bolts holding the manifold to a stabilising mount. If you have ABS you will probably need to access the remaining manifold 12mm nuts from underneath the car.

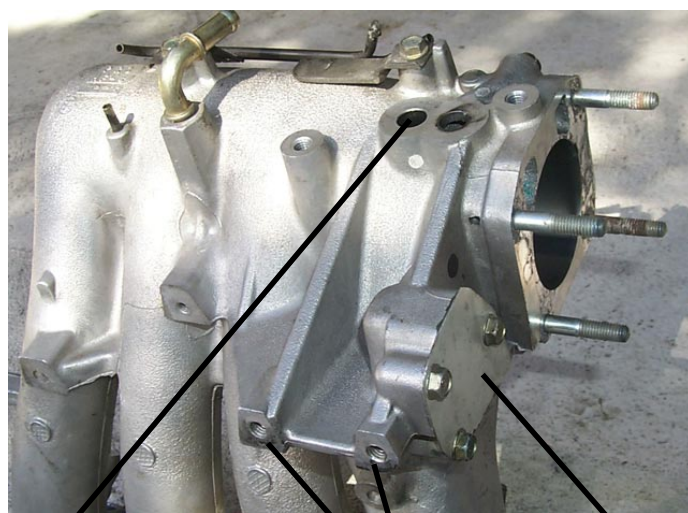
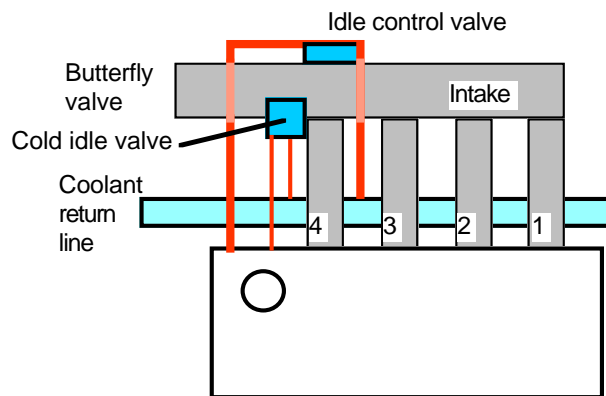
4) Once the manifold has been pushed back disconnect the hose that runs to the idle control valve and connect to the head as shown in the diagram. Remove the cold idle control valve and install the heatshield gasket.

5) When reinstalling the intake do not neglect to reinsert the breather hose which runs between intake between runners 3 and 4 to the black oil separator upper middle in the picture below. Otherwise your car will not idle properly.

6) Place the supplied washers under the nuts used to fasten the manifold back on. This reduces the heat transfer from the head to the intake along the intake manifold studs.

7) Optional. Bypass the heater hosing for the Cold Idle valve. Cut a flat cardboard gasket to fit between the Cold Idle Valve and manifold and refit. Alternatively replace the Cold Idle Valve with a flat blanking plate as per the diagram. This may cause the car to idle at a lower RPM for a minute or two when starting from cold. You may need to increase your idle speed by screwing the large (7mm) screw on top of the throttle body several turns anticlockwise.

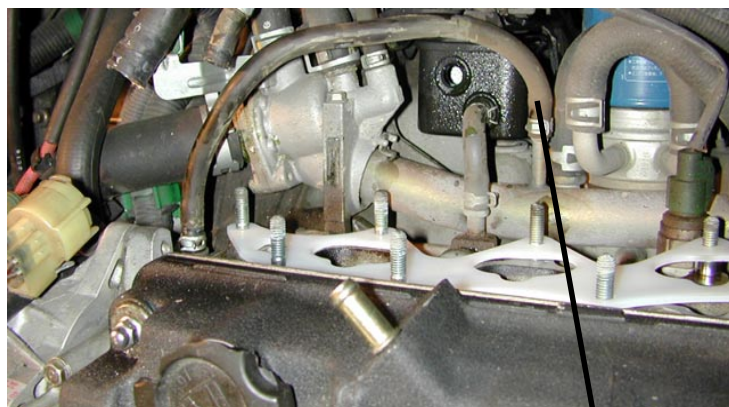
Hint: Do not have an air filter sitting open under the hood. This is like taking three steps forward and two back. Underhood temperatures can be easily 15-20 degrees celcius hotter than outside the car robbing you of 4-6 % of your power potential. Duct cold air from the front of the car to a sealed air filter box.



Idle Control Valve location

Hidden mount holes

Cold Idle Valve blanked off



Throttle and Idle control valve bypass hose in place

Extensive information and updates at www.hondadata.com

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