

SPEED BY SPECTRE™

Intake Installation Instructions P/N 9903

Year/Make/Model/Engine

96-99 Chevrolet/GMC Pickup 5.0L
96-00 Chevrolet/GMC Pickup 5.7L
96-00 Chevrolet Tahoe/Suburban 5.7L
96-00 GMC Yukon 5.7L

Tools Required:

- 5/16" nut driver or Flat Blade Screwdriver
- 10mm socket
- 13mm socket
- Socket wrench
- 8mm wrench
- 10mm wrench
- 13mm wrench
- Wire stripper/crimper
- T27 torx tool



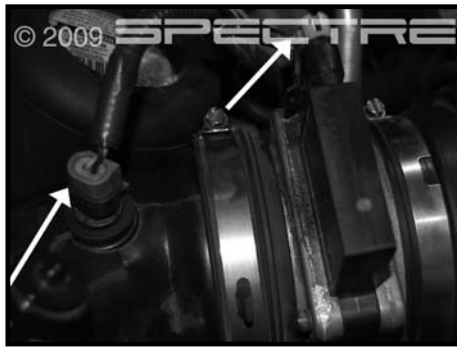
Parts List

- 1- Filter shield
- 1- Air filter
- 1- Intake tube
- 2- 4" to 3.5" coupler
- 2- 4" hose clamps
- 3- 3.5" hose clamps
- 1- MAFS support bracket
- 1- Rubber vibration mount
- 1- M8 bolt
- 1- M8 lock nut
- 2- M6 lock nuts
- 2- M8 washers
- 2- M6 fender washers
- 1- Rubber seal (42cm)
- 1- 18AWG red wire (40cm)
- 1- 18AWG yellow wire (40cm)
- 1- 18AWG black wire (40cm)
- 7- 18AWG wire connectors – male
- 7- 18AWG wire connectors – female
- 1- 7mm heat shrink tubing (41cm)
- 1- 10mm heat shrink tubing (24cm)
- 10- M5 allen bolts
- 10- M5 lock nuts
- 10- M5 washers
- 1- M4 hex key wrench

Legal for use on
pollution controlled
vehicles
C.A.R.B E.O.# D-629-1
for applications listed
here

Step 1

Safety first! Before you begin the installation, make sure that the vehicle is in park with the parking brake set. Disconnect the negative battery terminal and verify all components listed are present.



Step 2

Disconnect the IAT sensor and the MAF sensor by gently pulling on the tab and sliding the connector away from the sensor.



Step 3

Loosen the hose clamp connecting the stock intake tube to the throttle body.



Step 4

Remove the bolt securing the air box, located in the passenger side wheel well. Remove the air box/intake hose assembly by gently pulling upward on the box, unsnapping it from the inner fender



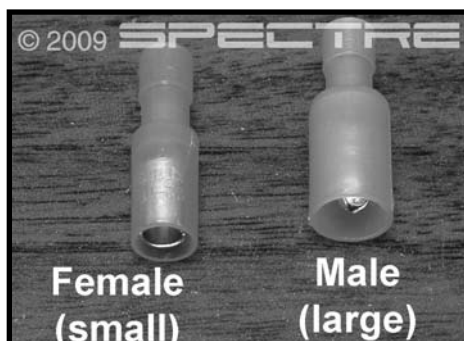
Step 5

After removing the intake assembly, loosen the hose clamps on either side of the MAF sensor and remove from the assembly. Remove the IAT sensor. These sensors will be re-installed in the new intake assembly.



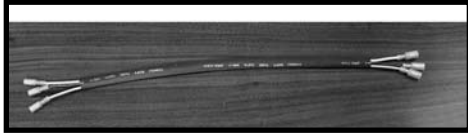
Step 6

With a T27 torx tool, remove the bolt from the MAF sensor and install the supplied bracket as shown, using the stock bolt.



Step 7

The MAF sensor wires will need to be extended. Carefully cut the tape that is holding the wire cover on the MAF sensor wires and remove the cover. There will be three wires exposed; pink, yellow, and black. Cut these wires about half way between the plug and the harness. Strip the wire back approximately 1/4", on both ends you just cut. Using the supplied heat shrink, place a small section on the wires as this will be used to protect them. Next take the supplied male ends and crimp them onto the wires, give them a gentle pull to make sure you have a good connection. Use heat to shrink the tubing.



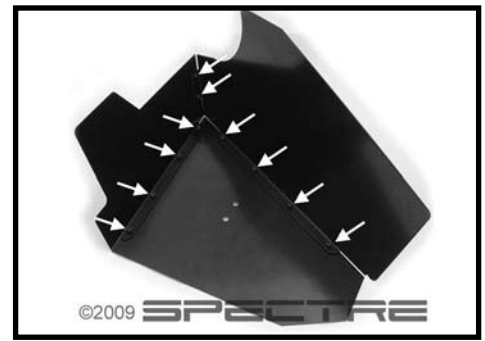
Step 8

Insert the supplied wires into the 7mm heat shrink tubing so that there is approximately 1.5" of exposed wire on each end. Install the supplied female connectors onto one end of the wires. Install the male connectors on the opposite sides. Install the remaining female connectors on the wires in the harness. Use heat to shrink the tubing.



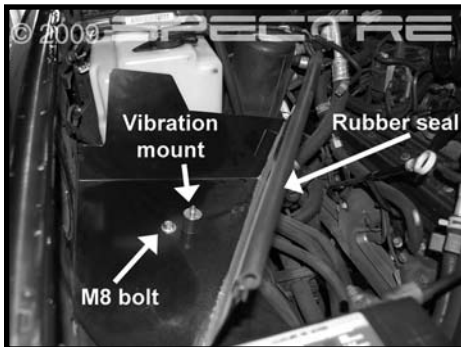
Step 9

Cut (6) 1" pieces of the large (10mm) heat shrink tubing. Place them over each of the connectors on the wire extension harness made in step 8. Install the wire extension harness by plugging the male connectors into the female connectors of the matching color wires (pink to pink, yellow to yellow, black to black). Use heat to shrink the tubing over the connector creating a sealed connection.



Step 10

Using the included 5mm Allen bolts, lock nuts and washers, assemble the heat shield as shown. Install the Allen bolts from the top of the flanges and put the flat washer and lock nuts on the back. Once all the hardware is installed, use the included hex key wrench and an 8mm (5/16" will also work) wrench to fully tighten all of the lock nuts.



Step 11

Install the rubber seal onto the edge of the heat shield. Place the heat shield in the engine bay (where the stock air box was located). Be careful not to touch the battery terminals when placing the heat shield in the engine bay. Align the two mounting holes in the shield with the two holes in the inner fender. Install the supplied M8 bolt, washers and lock nut, in the hole closest to the fender. Install the supplied vibration mount, fender washers and lock nuts in the remaining hole. Tighten the bolt and lower lock nut on the vibration mount from the fender well to secure the heat shield.



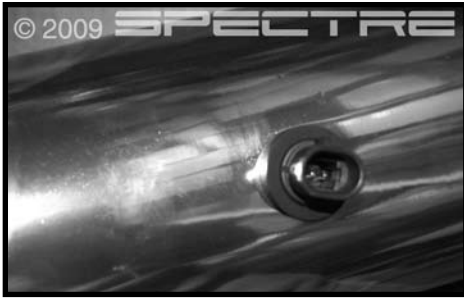
Step 12

Install the filter onto the MAFS as shown. Fully tighten the clamp.



Step 13

Place the air filter assembly in the heat shield onto the rubber mount, place the supplied fender washer and lock nut on the rubber mount. Tighten the lock nut enough to hold the assembly in place, but do not fully tighten it yet.



Step 14
Insert the IAT sensor you (removed in step 5) into the intake tube. It may be necessary to remove the grommet from the sensor and install it first in the hole on the intake tube, then gently push the IAT sensor into the grommet.



Step 15
Install the couplers onto both ends of the intake tube and secure with the supplied 4" hose clamps. Place the 3.5" hose clamps over the couplers and install the intake tube to the stock plenum and the filter assembly as shown.



Step 16

Ensure that the intake is not making contact with any other components and fully tighten the hose clamps. Fully tighten the lock nut on the rubber mount. Plug the MAFS and IAT connectors back in.



Step 17

Make sure that all bolts and clamps are now tight. Reconnect the negative terminal on the battery. Start up the engine and check for any air leaks. Your installation is now complete. Periodically check all clamps and brackets. Enjoy your Spectre Intake System.

Product Info:
Performance Air Induction
System P/N 9903


SPEED BY SPECTRE™