

SPECTRE®

Performance

Intake Installation Instructions

P/N 10233 (red filter) - P/N 10233B (blue filter)
P/N 10233K (black filter) - P/N 10233W (white filter)

Year/Make/Model/Engine

2007-2012 Nissan Altima L4-2.5L (Excluding the Hybrid)



Parts List

- 1 - Air filter
- 1 - Intake tube
- 1 - "L" Bracket- 3.31" long
- 1 - "L" Bracket- 5.25" long
- 1 - 16mm Breather hose
- 1 - 2.75" to 3" coupler
- 1 - Heat shield
- 2 - M4 Machine screws
- 1 - 3" Hose clamps
- 2 - 3.5" Hose clamps
- 1 - Rubber seal
- 3 - 6mm Hex bolts
- 5 - 6mm Lock nuts
- 2 - 6mm Lock washers
- 2 - Rubber fender washers
- 4 - Fender washers
- 4 - Flat washers
- 2 - 6mm Rubber mounts

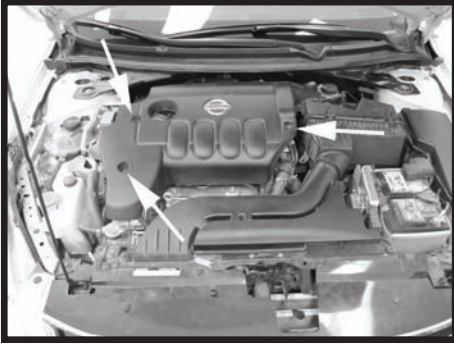
Tools Required:

- Phillips screwdriver
- Standard screwdriver
- 5/16" nut driver
- 10mm socket
- 10mm combination wrench
- 5mm allen
- 6" extension
- Ratchet
- Pliers

P/N 9132 (red filter)
P/N 9136 (blue filter)
P/N 9131 (black filter)
P/N 9138 (white filter)

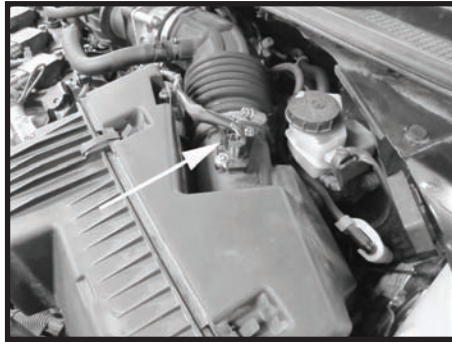
Step 1

Safety first! Before you begin the installation, make sure that the vehicle is in park (or neutral for a manual transmission) with the parking brake set. Disconnect the negative battery terminal and verify that all components that are listed are present. Note: This kit was designed and tested on a stock engine without any custom tuning done to the engine computer. Removing the battery cable may erase the programmed radio stations. The anti-theft code will need to be entered into some radios after the battery cable is connected. The anti-theft code can typically be found in the owner's manual or at your local dealership.



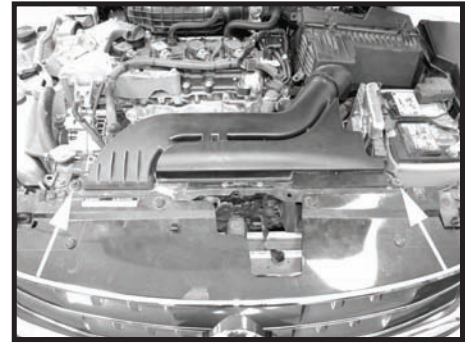
Step 2

Remove the three bolts which secure the cover on top of the engine and then remove the cover. Set the cover and bolts aside as they will be reinstalled in a later step.



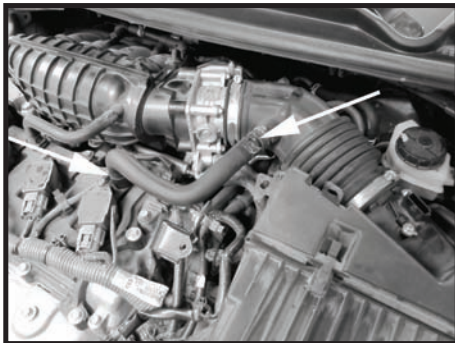
Step 3

Disconnect the Mass Air Flow Sensor (MAFS) electrical connector and then unhook the wiring harness clips from the air box.



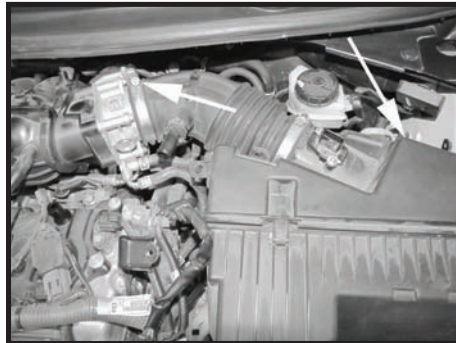
Step 4

Remove the bolts that secure the fresh air inlet and remove it from vehicle. This will be reinstalled in a later step.



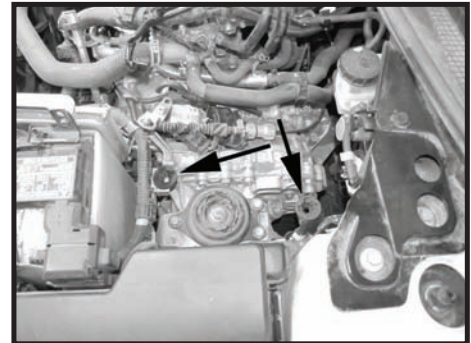
Step 5

Disconnect the factory crank case vent hose from the intake tube and valve cover. Remove the clamps from the hose since these will be reused in Step 16.



Step 6

Loosen the clamp at the throttle body and remove the air box mounting screw located towards the bottom the air box. Remove the air box assembly from the vehicle.



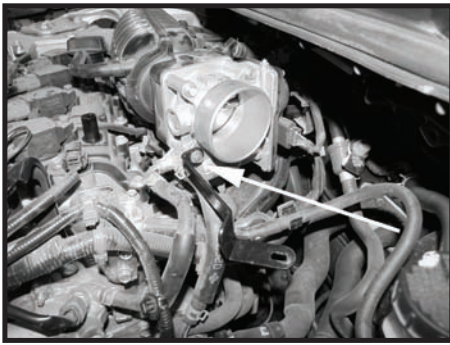
Step 7

Remove the two rubber air box mounting grommets.

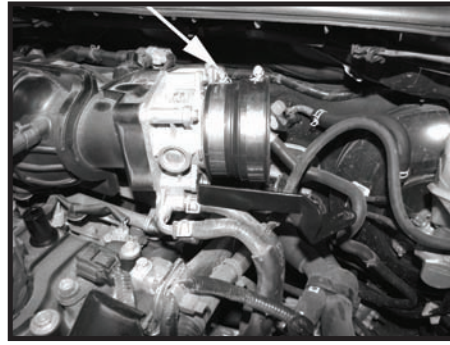


Step 8

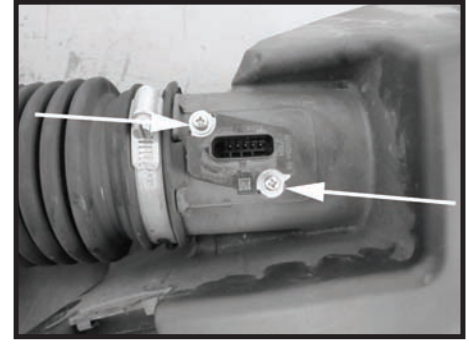
Install the supplied rubber mounts onto the front and rear air box mounting locations and secure it with the supplied fender washers, rubber washer and lock nuts.



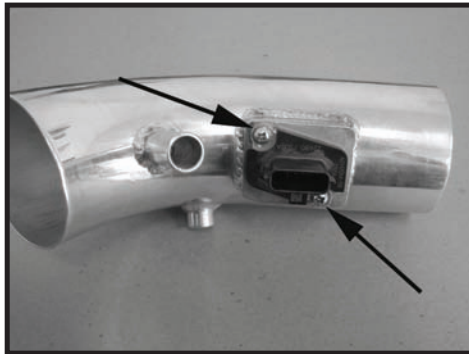
Step 9
Remove the lower-front throttle body mounting bolt. Install the supplied intake tube angled support bracket onto the throttle body. Reinstall the bolt and fasten it securely in place.



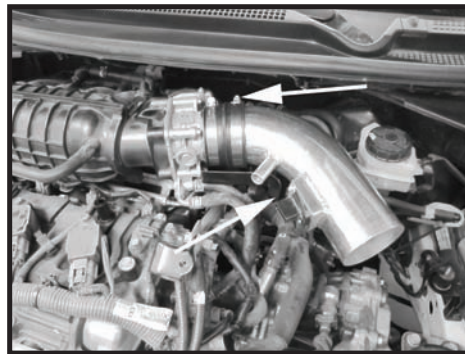
Step 10
Install the reducer coupler on the throttle body and fasten securely. Install the second clamp but do not tighten at this time.



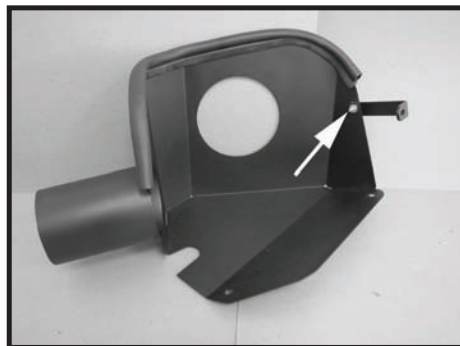
Step 11
Remove the two screws that secure the MAFS to the factory air box and remove the MAFS.



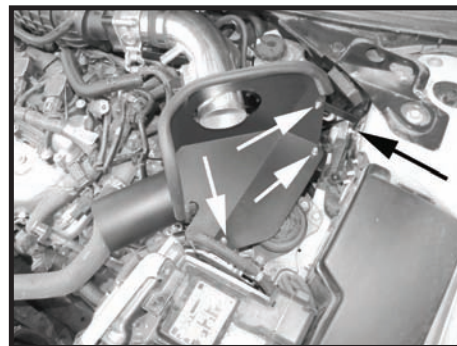
Step 12
Install the MAFS into the Spectre Performance intake tube and secure with the supplied screws.



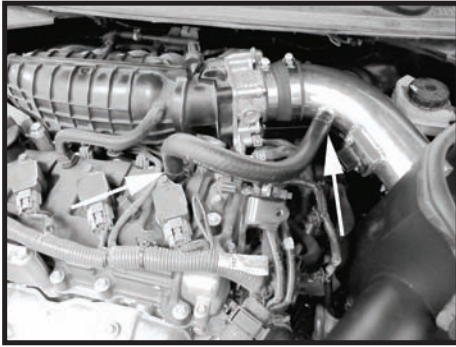
Step 13
Install the intake tube into the coupler on the throttle body and align the tube with the mounting bracket. Install the supplied bolt through the bracket into the intake tube. Check alignment of the intake tube to the bracket and tighten the bolt. Tighten the clamp on the coupler.



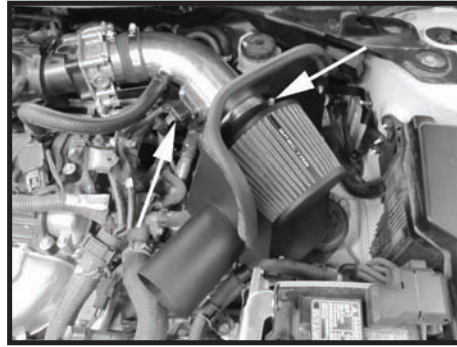
Step 14
Position the long side of the supplied "L" bracket on the outside of the heat shield at the upper slotted hole with the tab facing in. Secure it with a supplied hex bolt, washer and lock nut. Do not tighten as the bracket will need to be adjusted in a later step. Install the supplied rubber seal around the top edge of the heat shield.



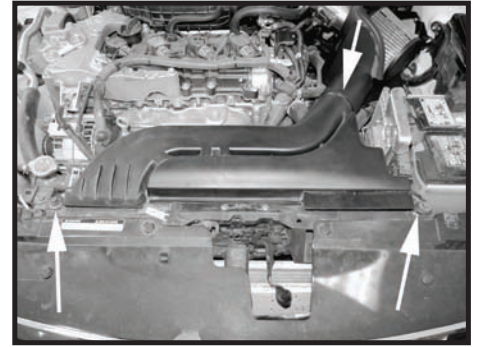
Step 15
Install the heat shield into the vehicle and position it so the mounting holes line up with the rubber mounted studs installed in step 8 and the intake tube is in the center of the opening. Secure the heat shield with the supplied lock nuts and washers. Secure the heat shield bracket on the inner fender with the hardware provided. Tighten the bolt securing the other end of the heat shield bracket.



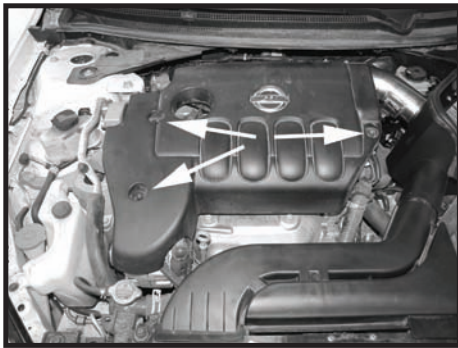
Step 16
Reusing the clamps from the factory hose (Step 5), install the supplied crank case vent hose on the Spectre Performance intake tube and on the valve cover.



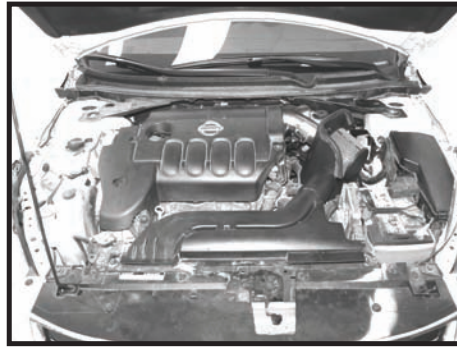
Step 17
Reconnect the MAFS electrical sensor. Install the filter and fully tighten clamp.



Step 18
Reinstall the fresh air inlet supply to the original location and into the fresh air tube on the heat shield then secure with the factory bolts that were removed in Step 4.



Step 19
Reinstall the engine cover using the factory bolts removed in Step 2.



Step 20
Make sure that all clamps and hardware are fully tightened. Reconnect the battery cable, start the vehicle and let it warm up. Shut off and inspect the installation once more for any loose clamps, wires, or hardware. Test drive & enjoy! Your installation is now complete. Periodically check all clamps and brackets.