

SPEED BY SPECTRE™

The 400mph Company™

Intake Installation Instructions P/N 9951

Year/Make/Model/Engine

04-11 Titan 5.6L V8, 05-11 Armada 5.6L V8, 04-09 QX 5.6L V8

Parts List

- 1- Heat shield
- 1- Long Intake tube
- 1- Short Intake tube
- 1- 30.75" rubber seal
- 1- Velocity Stack Adaptor
- 1- HPR9892 Air Filter
- 1- 3.5" Coupler
- 1- 3.5" Coupler, Flex
- 5- 78-101mm Hose Clamp
- 1- MAF sleeve
- 1- M8-1.25x16mm bolt
- 1- M8 fender washer
- 2- M6-1.0x20mm bolt
- 2- M6 fender washer
- 4- M6-1.0x10mm bolt
- 4- M6 washer
- 1- Panel Mount Wire Tie
- 1- 28" Breather Hose
- 1- 23.25" Breather Hose
- 1- 3.5-3.25" Coupler
- 1- 65-89mm Hose Clamp

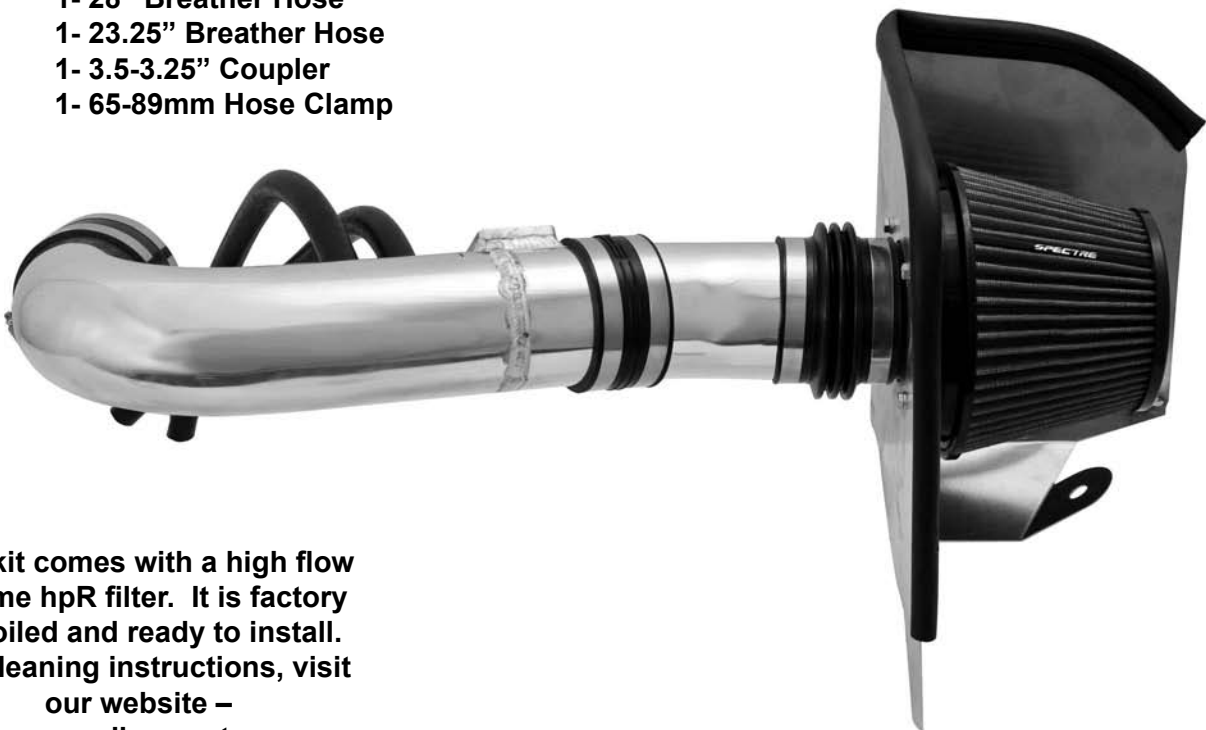
Tools Required:

- Ratchet
- Extension
- 10mm socket
- 12mm socket
- Pliers
- Phillips screwdriver
- 5/16" or 8mm nut driver



CARB Exempt-No

Products that are not CARB exempt are legal in most states, but may not be used in California or states with similar emissions control laws.



This kit comes with a high flow lifetime hpR filter. It is factory pre-oiled and ready to install. For cleaning instructions, visit our website – www.speedbyspectre.com



Step 1
Safety first! Before you begin the installation, make sure that the vehicle is in park or neutral (for vehicles equipped with a manual transmission) with the parking brake set. Disconnect the negative battery terminal and verify all components listed are present



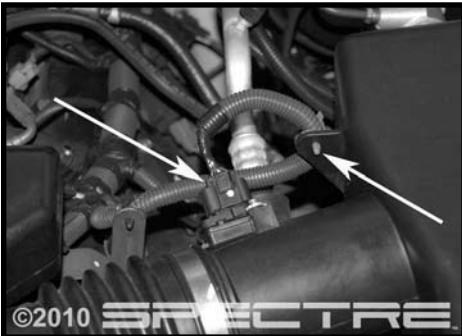
Step 2
Remove the two screws on the front of the engine cover. Remove the engine cover by lifting upwards.



Step 3
Disconnect the crank case vent hose from the stock intake.



Step 4
Loosen the hose clamp at the throttle body.



Step 5
Disconnect the MAF sensor connector. Unclip the MAF sensor wire from the factory air box lid.



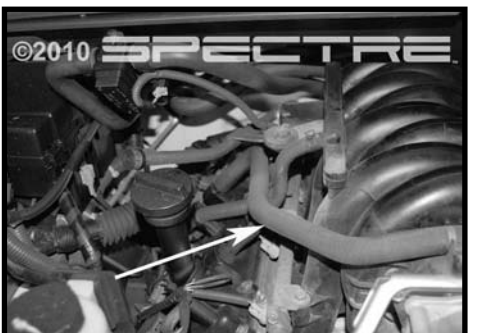
Step 6
Unclip the air box lid and remove the air cleaner and factory intake tube assembly.
NOTE: On 4WD vehicles, you will need to unhook the differential vent hose from the air box lid.



Step 7
Remove the two bolts that secure the factory air box. Lift upwards to remove the air box from the grommet then remove from vehicle.



Step 8
Remove the crank case breather hose from the driver side. These will be replaced with new hoses in a later step.



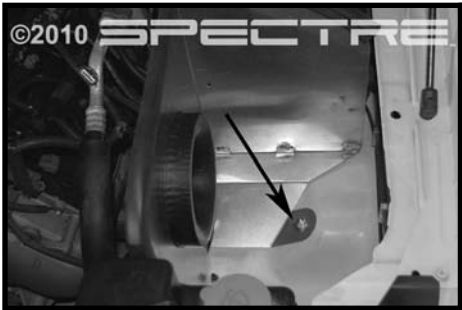
Step 9
Remove the crank case breather hose from the passenger side. These will be replaced with new hoses in a later step.



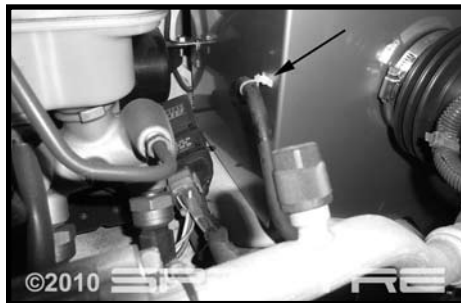
Step 10
Remove the factory screw as shown. These will be replaced with new hardware in a later step.



Step 11
Place the velocity stack adapter in the heat shield and install the supplied flex boot making sure the coupler is pushed completely against the heat shield. Once the adapter and coupler are tight against the heat shield, tighten the clamp. Make sure that the clamp for the intake tube is installed but left loose at this time. Dress heat shield with rubber seal.



Step 12
Install the heat shield as shown, install with the supplied hardware in all three locations and then fasten securely.



Step 13
If your vehicle has four wheel drive, secure the differential vent hose using the supplied zip tie to the heatshield.



Step 14
Install coupler over the throttle body and secure with a supplied 3" clamp. Install a second clamp but do not tighten at this time.



Step 15
Install the short intake tube into the flex boot. Take note of the rough orientation of the tube, this will be adjusted in a later step. Install the second coupler completely over the end of the tube, do not tighten the clamp at this time.



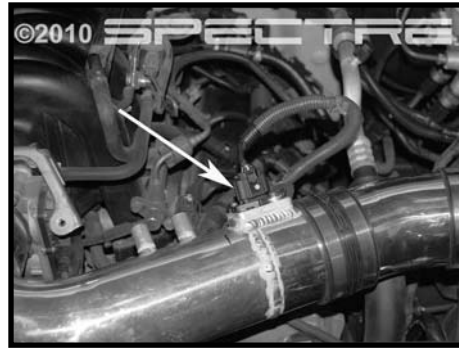
Step 16
Unscrew and remove MAFS from stock air intake box. This will be used again in your new Spectre Performance kit.



Step 17
Install the factory MAF Sensor on the long intake tube using the factory phillips head screws and the MAF sensor calibration sleeve as shown.



Step 18
Install the long intake tube into the throttle body coupler and then slide the 3.5" coupler back over from the short tube. Once tubes and couplers are in position, securely fasten all clamps.



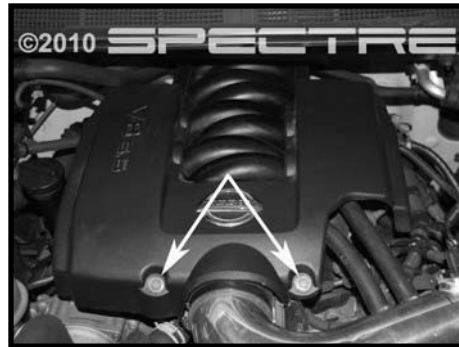
Step 19
Connect the MAF sensor connector by pushing the connector on the sensor.



Step 20
Install short breather hose onto driver side valve cover where factory hose was removed from step 8. Connect to intake tube.



Step 21
Install short breather hose onto passenger side valve cover where factory hose was removed from step 9. Connect to intake tube.



Step 22
Install the engine cover and reinstall the two factory screws on the front of the engine cover



Step 23
Install Spectre air filter and fasten securely with supplied hose clamp. Ensure that all clamps and hardware are fully tightened at this time.



Step 24
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.

If you have any difficulties or questions regarding the installation of this intake system, contact the Spectre Performance Technical Department by email - Tech@spectreperformance.com or by phone 1-800-821-4868 Monday thru Thursday 6:00am to 4:30pm PST.

Product Info:
Performance Air Induction
System P/N 9951

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