

# **SPECTRE**<sup>®</sup>

## *Performance*

### Intake Installation Instructions

P/N 9951 (red filter) - P/N 9951B (blue filter)  
P/N 9951K (black filter) - P/N 9951W (white filter)

#### Year/Make/Model/Engine

2004-2014 Titan 5.6L  
2005-2014 Armada 5.6L  
2004-2009 QX 5.6L



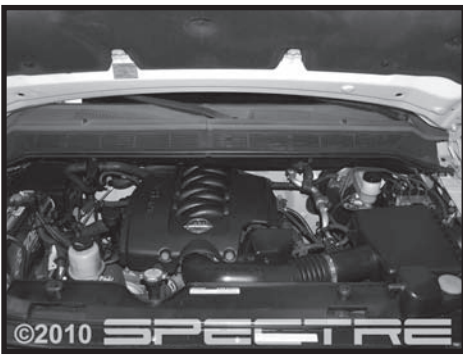
#### Parts List

- 1- Heat shield
- 1- Long Intake tube
- 1- Short Intake tube
- 1- Rubber seal
- 1- Velocity Stack Adaptor
- 1- Air Filter
- 1- 3.5-3.25" Coupler
- 1- 3.5" Coupler
- 1- 3.5" Coupler, Flex
- 6- 78-101mm Hose Clamps
- 1- 145-155mm Hose Clamp
- 1- MAFS adapter sleeve
- 1- M8-1.25x16mm bolt
- 1- M8 fender washer
- 2- M6-1.0x20mm bolts
- 2- Fender washers
- 1- Panel Mount Wire Tie
- 1- 30" Breather Hose
- 1- 25" Breather Hose

#### Tools Required:

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

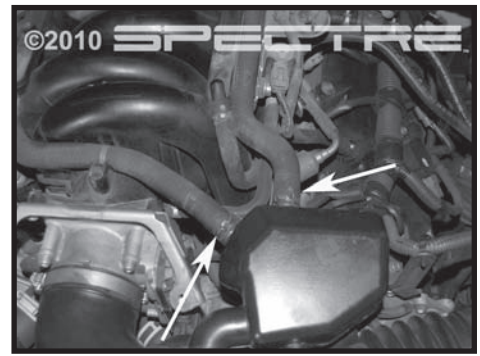
P/N HPR9892 (red filter)  
P/N HPR9892B (blue filter)  
P/N HPR9892K (black filter)  
P/N HPR9892W (white filter)



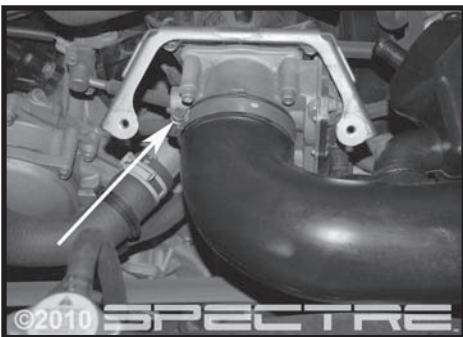
**Step 1**  
**Safety first!** Before you begin the installation, make sure that the vehicle is in park or neutral (for vehicles equipped with a manual transmission) with the parking brake set. Disconnect the negative battery terminal and verify all components listed are present



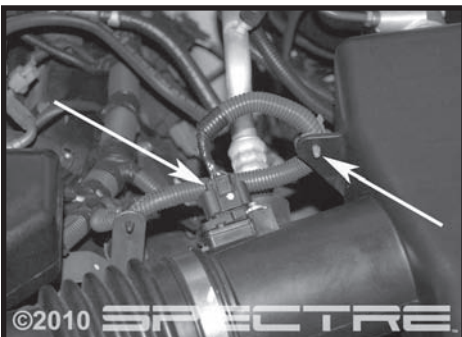
**Step 2**  
Remove the two screws on the front of the engine cover. Remove the engine cover by lifting upwards.



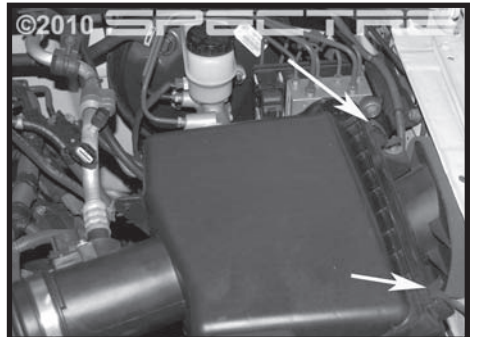
**Step 3**  
Disconnect the crank case vent hose from the stock intake.



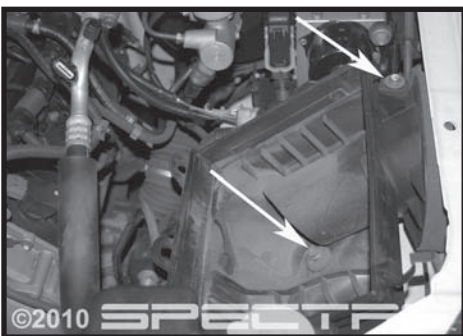
**Step 4**  
Loosen the hose clamp at the throttle body.



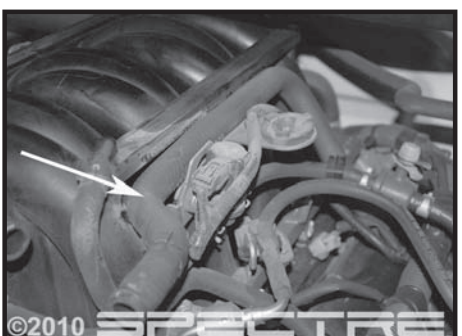
**Step 5**  
Disconnect the MAF sensor connector. Unclip the MAF sensor wire from the factory air box lid.



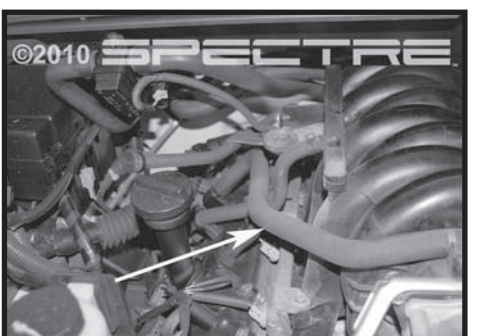
**Step 6**  
Unclip the air box lid and remove the air cleaner and factory intake tube assembly.  
**NOTE:** On 4WD vehicles, you will need to unhook the differential vent hose from the air box lid.



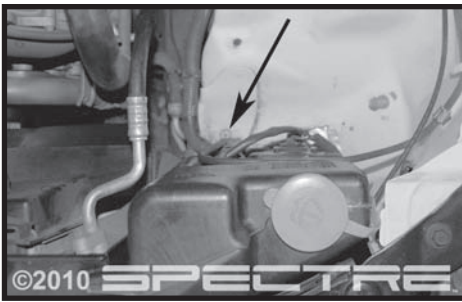
**Step 7**  
Remove the two bolts that secure the factory air box. Lift upwards to remove the air box from the grommet then remove from vehicle.



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



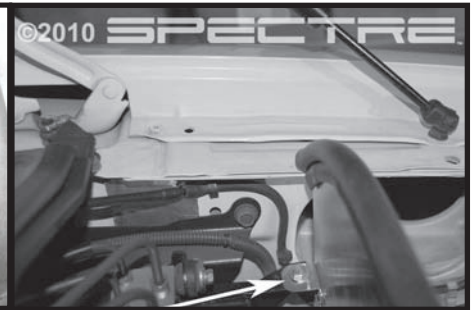
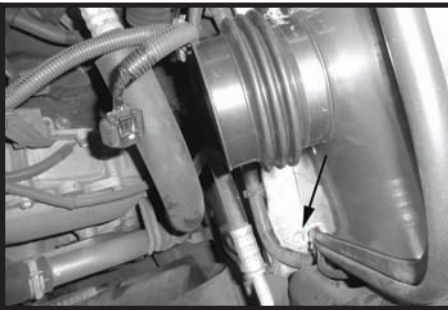
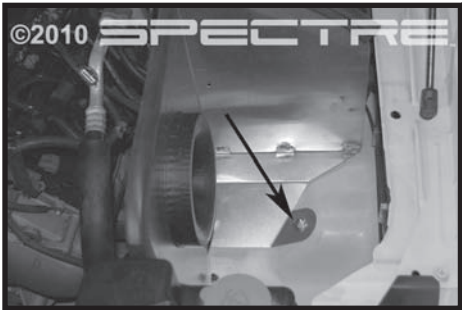
**Step 9**  
Remove the crank case breather hose from the passenger side. These will be replaced with new hoses in a later step.



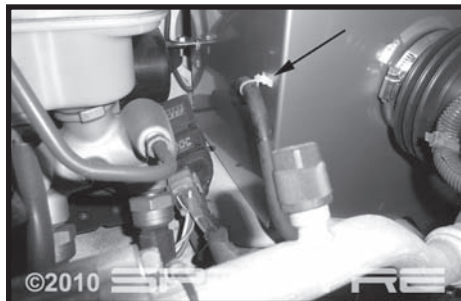
**Step 10**  
Remove the factory screw as shown. These will be replaced with new hardware in a later step.



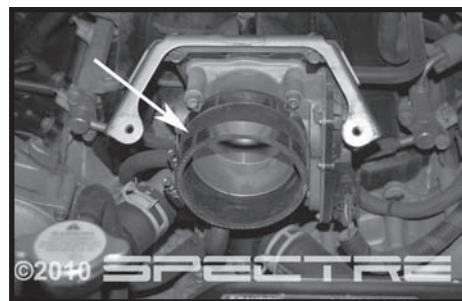
**Step 11**  
Place the velocity stack adapter in the heat shield and install the supplied flex boot making sure the coupler is pushed completely against the heat shield. Once the adapter and coupler are tight against the heat shield, tighten the clamp. Make sure that the clamp for the intake tube is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



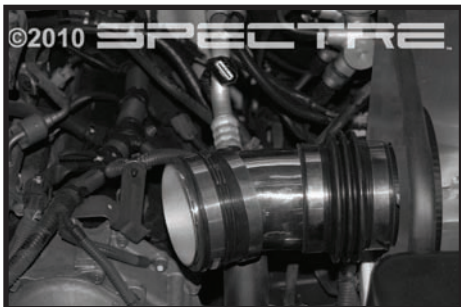
**Step 12**  
Install the heat shield as shown, install with the supplied hardware in all three locations and then fasten securely.



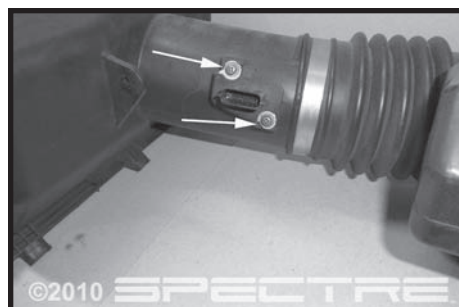
**Step 13**  
If your vehicle has four wheel drive, secure the differential vent hose using the supplied zip tie to the heatshield.



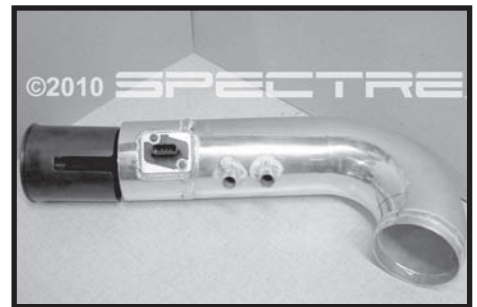
**Step 14**  
Install coupler over the throttle body and secure with a supplied 3" clamp. Install a second clamp but do not tighten at this time.



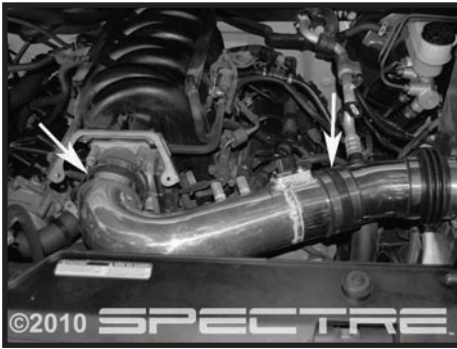
**Step 15**  
Install the short intake tube into the flex boot. Take note of the rough orientation of the tube, this will be adjusted in a later step. Install the second coupler completely over the end of the tube, do not tighten the clamp at this time.



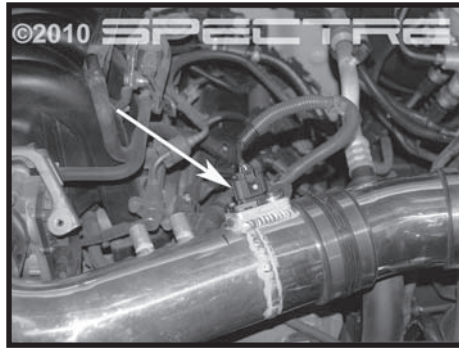
**Step 16**  
Unscrew and remove MAFS from stock air intake box. This will be used again in your new Spectre Performance kit.



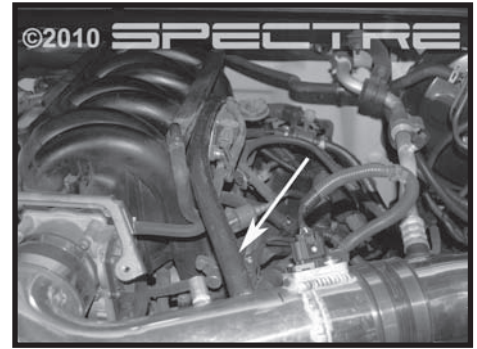
**Step 17**  
Install the factory MAF Sensor on the long intake tube using the factory phillips head screws and the MAFS sleeve (Patent No. 7,681,461) as shown.



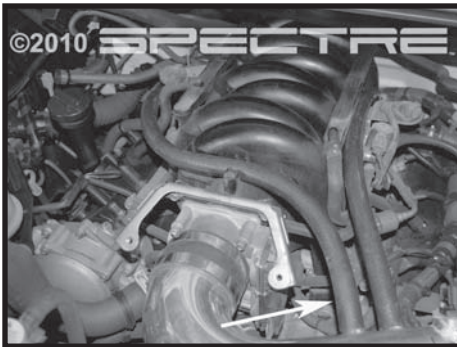
**Step 18**  
Install the long intake tube into the throttle body coupler and then slide the 3.5" coupler back over from the short tube. Once tubes and couplers are in position, securely fasten all clamps.



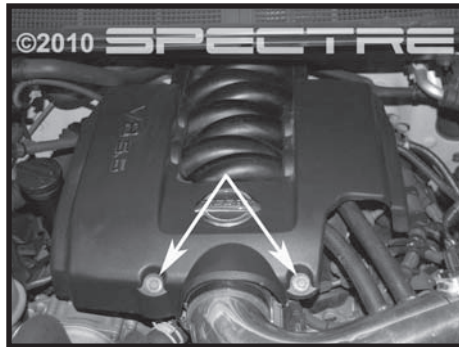
**Step 19**  
Connect the MAF sensor connector by pushing the connector on the sensor.



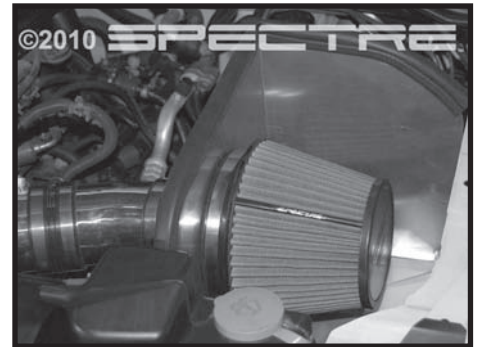
**Step 20**  
Install short breather hose onto driver side valve cover where factory hose was removed from step 8. Connect to intake tube.



**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.

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*Performance*