

SPEED BY SPECTRE™

The 400mph Company™

Intake Installation Instructions P/N 99171

Year/Make/Model/Engine

2005-2009 Cadillac STS-V 4.4L Supercharged V-8

Parts List

1- Intake Tube
9"- 3/8 Breather hose

Tools Required:

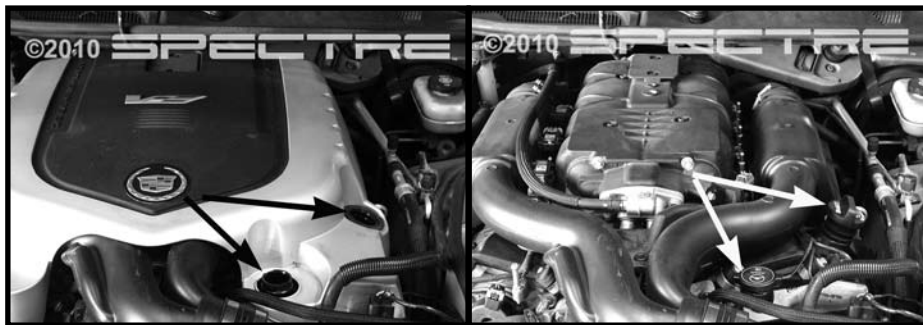
- 1/2" drive 18mm socket
- 1/2" drive Ratchet
- 1/2" drive Torque wrench
- Ratchet
- 10mm deep socket
- 1/2" drive 6" extension
- 5/16 nut driver
- Standard screwdriver
- 9/32" or 7mm nut driver





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. Note: This intake kit is the Stage II kit for the Spectre Performance P/N 9917 Cold Air Intake Kit. It cannot be installed without also installing P/N 9917. Refer to P/N 9917 installation instructions to install the lower intake tube, heat shield and filter assembly shown in the picture below.

Step 2
Use an 18mm socket to remove the 6 nuts and bolts that secure the strut tower brace. Use caution as these nuts and bolts are very tight. Set the brace with the nuts and bolts aside as it will be reinstalled in a later step.



Step 3
Remove the oil and power steering caps. Be careful that nothing falls into the engine. Gently lift the engine cover up and off of the engine. Reinstall the oil and power steering caps.



Step 4
Remove the four 10mm engine cover nuts that secure the upper intake plenum. Set these nuts aside as they will be used in a later step. Loosen the two clamps on the intake couplers at the rear of the factory "Y" tube.



Step 5

Loosen the clamp on the Spectre intake tube. Lift the factory intake tube slightly so that the coupler comes off. Move the tab on the plastic vent tube so that it will slide off the nipple. Lift the entire factory “Y” intake tube off the engine.



Step 6

Press the tab down and remove the vent hose.



Step 7

Install the two middle engine cover nuts (removed in Step 4) as shown. Loosen the clamps on the intake tube couplers. Remove the couplers and set them aside as they will be reused in a later step.

Step 8

Install the supplied vent hose as shown on the valve cover nipple.



Step 9
Install the factory intake tube couplers (removed in Step 7) onto the Spectre intake tube. Snug the clamps, but do not fully tighten at this time as they will need to be adjusted in another step.



Step 10
Position the intake tube so the couplers slide over the rear intake tubes. Lower the intake tube so the mounting tabs go over the factory mounting studs. Loosen the clamps on the couplers. Adjust the couplers so they are positioned in the factory groove on the rear manifold inlets and fully tighten the clamps. Install the 2 remaining engine cover nuts (removed in step 4) on the studs to secure the intake tube.



Step 11
Install the vent hose on the intake tube.



Step 12
Position the intake tube assembly coupler on the Spectre "Y" tube and tighten the clamp.



Step 13
Reinstall the strut tower brace with the 6 nuts and bolts that were removed in step 2. Torque the nuts and bolts to the manufacturer specifications of 80 ft. lbs. Note: To install the factory engine cover it must be modified to clear the larger intake tube.

Step 14
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.