



Application: 2001 -2004 Corvette C5

Part Includes

1 - Component

SLP Blackwing Air Intake System



Tools Needed



Search: **Engine Components**
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Warning: SLP recommends allowing the vehicle to cool (not running) for five hours before beginning the installation. SLP recommends wearing safety glasses for the complete installation.

STEP 1.

Disconnect the negative battery terminal. Disconnect the mass airflow sensor (MAF) and inlet air temperature sensor (IAT) connectors. NOTE: On 2001 Corvette models, the inlet air temperature sensor is built into the mass airflow sensor. Therefore, only the five pin electrical connector at the mass airflow will need to be disconnected.

STEP 2.

Loosen the worm gear clamp at the throttle body. Remove the fuel pressure regulator vacuum line (if equipped) from the air intake bellow. Separate the air intake bellow from the throttle body. Disconnect the AIR hose from the air cleaner assembly (if equipped).

STEP 3.

Release the air intake bellow from the upper radiator support grommet studs by carefully prying upward on the rubber air intake bellow grommets. Release the air cleaner assembly, with the rubber grommets, from the air cleaner assembly mounting studs.

STEP 4.

Remove the air cleaner assembly, mass airflow sensor, and air intake bellow from the vehicle as a one-piece unit. Place the entire unit on a suitable work surface.

STEP 5.

Loosen the worm gear clamp at the air cleaner assembly to mass airflow sensor seal. Remove the air cleaner assembly from the mass airflow sensor. Remove the rubber grommets from the air cleaner assembly.

STEP 6.

Follow the directions below for step 6 depending on model year.

1997-2000 CORVETTE C5 MODELS:

Remove the seal and worm gear clamp from the air cleaner assembly. Install the seal and worm gear clamp from the air cleaner assembly to the SLP/Donaldson air filter. Install the rubber grommets from the air cleaner assembly to the SLP/Donaldson air filter. Install the SLP/Donaldson air filter to the mass airflow sensor. Be sure to correctly align the air filter to the mass airflow sensor to ensure correct fit on the vehicle. Tighten the worm gear clamp at the SLP/Donaldson air filter to mass airflow sensor seal.



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Description (cont.)

2001-2004 CORVETTE C5 MODELS:

Install the rubber grommets from the air cleaner assembly to the SLP/Donaldson air filter. Install the 3.75" x 2" straight sleeve, included in kit #21111, over the SLP/Donaldson air filter. Using the worm gear clamp from the air cleaner assembly to mass airflow sensor seal, tighten down the straight sleeve onto the SLP/Donaldson air filter. Place the worm gear clamp, included in kit #21111, over the straight sleeve next to the previous worm gear clamp. Do NOT tighten the worm gear clamp yet. Install the mass airflow sensor into the straight sleeve. Be sure to correctly align the air filter to the mass airflow sensor to ensure correct fit on the vehicle. Tighten the worm gear clamp at the straight sleeve to mass air flow sensor connection.

STEP 7.

Position the SLP/Donaldson air filter, mass airflow sensor, and air intake bellow in the vehicle. Push the rubber air filter grommets onto the air cleaner assembly mounting studs. Push the rubber air intake bellow grommets onto the upper radiator support grommet studs.

STEP 8.

Connect the AIR hose to the air cleaner assembly (if equipped). Install the air intake bellow over the throttle body. Install the fuel pressure regulator vacuum line (if equipped) to the air intake bellow. Tighten the worm gear clamp at the throttle body.

STEP 9.

Connect the mass airflow sensor (MAF) and inlet air temperature sensor (IAT) connectors. Connect the negative battery terminal. NOTE: On 2001 Corvette models, the inlet air temperature sensor is built into the mass airflow sensor. Therefore, only the five pin electrical connector at the mass airflow will need to be connected.

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STEP 10.

Insert the filter indicator (with grommet) into the SLP filter. If equipped with A.I.R., you must drill a hole for the elbow using a 3/4" diameter hole saw. Locate this hole to the left of the filter indicator as shown below (3rd picture down). Loosen the clamp on the elbow and rotate as necessary. Be sure to re-tighten the clamp.



Description (cont.)



97-00 INSTALLATION



01-04 INSTALLATION



**.75" DIAMETER
HOLE FOR AIR PUMP**