

PART NUMBER:
203.60.2505**HONKER C6
AIR INDUCTION SYSTEM**APPLICATION:
2005–07 CORVETTE
EXC. Z06
with superchargerINSTRUCTION SHEET NUMBER:
903.60.9852A**PACKAGE CONTENTS:**

- Air Box Cover
- Air Box Base
- Filter Element
- Thumbscrews – (4)
- Rivets – (12)
- Rubber Cuff w/Clamp
- #4 Drill Bit
- Template

TOOLS REQUIRED:

- Flat Blade Screwdriver
- 7mm Socket and Drive Attachment
- 8mm Socket and Drive Attachment
- 10mm Socket and Drive Attachment
- Center Punch
- Masking Tape
- Drill Motor
- Rivet Gun
- Tin Snips or Plastic Cutting Saw
- Small C-clamps – (2)

0 READ THIS FIRST

Review the entire instruction manual before proceeding with the installation. If any of these steps are not clear, please call (860) 434-9002 or e-mail us at techinfo@callawaycars.com for further explanation.

A working knowledge of the C6 Corvette is assumed as well as good mechanical practices.

When checking the kit contents against the packing slip, make sure that no parts were damaged during shipping.

This installation involves raising the vehicle. Whenever the car is lifted, be sure to use suitable jack stands or a locking vehicle lift to support your car's weight.

Disconnect the battery ground terminal before starting work on the car.

1 REMOVE SUPERCHARGER AIRBOX AND DUCTING

A) Disconnect the positive crankcase ventilation (PCV) hose from the air intake tube.

B) Disconnect the electrical connector from the Mass Air Flow (MAF) sensor.

C) Remove the air filter and intake assembly from the vehicle.

D) Refer to the service manual or installation manual for the specific intake system that is installed in the vehicle.

E) Remove the hose clamps from the MAF sensor and set aside.

2 REMOVE INTERCOOLER HEAT EXCHANGER

These instructions show Callaway intercooler system. For other intercooler systems, please refer to manufacturer's instructions.

A) Remove the cap from the intercooler coolant reservoir bottle.



B) Raise car and support securely.

C) Drain intercooler coolant by removing the driver's side hose on the heat exchanger.

D) Drain coolant into a clean container for reuse.



E) When fluid is completely drained, remove the passenger's side hose from the heat exchanger.

F) Remove the elbows from both hoses and clamps.

2 REMOVE INTERCOOLER HEAT EXCHANGER (cont.)

G) Remove the 10mm bolt that holds the support bracket for the heat exchanger.



H) Remove the five (5) 7mm bolts holding the front fascia.



I) Gently pull down on the fascia and remove heat exchanger.



J) Lower car and pull the intercooler coolant hoses out of the shroud.

3 REMOVE RADIATOR SHROUD

A) Remove the four (4) 10mm bolts holding the top mount radiator shroud.



B) Unclip the hose from the top mount radiator shroud, and remove the top mount radiator shroud from the vehicle.



C) Disconnect the electrical connector for the underhood light then unclip and remove the electrical connector from the radiator shroud.

Note: Electrical connector will still be present, even if underhood light is not installed.

D) Disconnect the electrical connector from the ambient air temperature sensor.

3 REMOVE RADIATOR SHROUD (cont.)

E) Remove the two (2) plastic push pins holding the radiator shroud to the bumper beam.



F) Remove the two (2) plastic retainers from each side of the radiator shroud.



G) Guide the side wings of the radiator shroud outwards and push forward to clear the A/C condenser, then pull up and out, using caution not to damage the A/C condenser.

H) Remove the radiator shroud from the vehicle.

3 PREPARE RADIATOR SHROUD FOR INSTALLATION

A) Align the template over the shroud, making sure to fit the two bends in the shroud with the two dashed lines on the template.

B) Make sure the right edge of the template is 5/8" from the edge of the shroud at the top dashed line, and tape the template into position.



C) Center punch the twelve (12) holes in the mounting template outer ring, and the four (4) holes for the corners of the large opening.

D) Using the #4 drill bit, drill the holes on the outer ring.

E) Use a 1/2" drill bit to drill the four (4) holes for each corner of the opening.

F) Using snips or a jigsaw, cut out the center opening. Remove the template and tape.



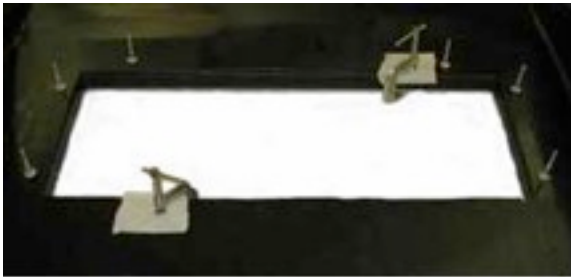
4 PREPARE RADIATOR SHROUD FOR INSTALLATION (cont.)

G) Align the filter base to the opening in the radiator shroud.

H) Clamp the filter base into position.

I) Using the #4 drill bit, drill holes from the shroud into the filter base.

J) Drill one hole at a time, and insert a rivet into each hole as you go.



K) Do not clinch rivets until all holes are drilled, and the rivets are aligned.

L) Once all holes are drilled, clinch rivets.



5 INSTALL RADIATOR SHROUD



A) Guide radiator shroud into place, using caution not to damage the A/C condenser.

B) Guide the side wings around the mounting brackets.

C) Holding down gently on the front fascia, guide the side wings into position on the mounting brackets.

D) Install the two (2) plastic retainers on each side of the radiator shroud. Use new retainers as required.

E) Install the two (2) plastic push pins holding the radiator shroud to the bumper beam.

F) Connect the electrical connector for the ambient air temperature sensor.

G) Connect the electrical connector for the underhood light.

H) Clip the electrical connector for the underhood light to the radiator shroud.

I) Place the radiator top mount shroud into position over the radiator.

J) Install the four (4) 10mm bolts holding the top mount shroud.

K) Clip the hose back into position on the top mount shroud.

6 INSTALL HONKER INTAKE

- A) Install the rubber cuff to the Honker cover with the clamp on the left side.
- B) Install the MAF sensor and stock original bellows assembly into the rubber cuff, with the flow direction arrow at the top of the Honker.



NOTE: The O.E. bellows may have been removed during supercharger installation.

- C) Install the air filter element into the filter base.
- D) Insert the Honker lid onto the bobbins of the filter base.
- E) Start the thumbscrews in the Honker filter base.
- F) Ensure alignment is proper and tighten the four (4) thumbscrews.

6 INSTALL HONKER INTAKE (cont.)



- G) Install the bellows to the throttle body.
- H) Tighten the clamp at the throttle body.
- I) Tighten the clamp at the rubber cuff.
- J) Connect the fresh air inlet hose to the throttle body bellows.
- K) Connect the electrical connector to the MAF sensor.



7 INSTALL INTERCOOLER HEAT EXCHANGER

- A) Run the intercooler coolant hoses through the shroud to the front of the radiator.
- B) Raise and support vehicle.
- C) Gently pull down on the front fascia and install the intercooler heat exchanger.
- D) Install the support bracket and 10mm bolt in the center of spoiler to hold the heat exchanger.
- E) Install the (5) 7mm bolts holding the front fascia to the car.
- F) Install elbows, hoses and clamps onto the barbs on the front of the heat exchanger.



- G) Fill the intercooler coolant system with coolant removed in previous step.
- H) Check for leaks.
- I) Lower vehicle.
- J) Start the engine and bleed the system using the vent on the top of the intercooler heat exchanger.
- K) Fill the intercooler coolant system as needed. Maximum level is 1.25" from the top of the filler neck.

8 SERVICING THE HONKER FILTER ELEMENT

Unless it becomes physically damaged or improperly maintained, your Callaway air filter element will not need replacement during the life of your car. The element is pre-oiled as packaged.

Maintenance should be conducted at regular intervals as specified in your owner's manual and should include thorough cleaning and re-oiling of the element with Callaway P/N 203.00.9251, Honker Filter Cleaning Kit.

As with any air filter element, the environment it is subjected to (such as high dust areas) will dictate the frequency of service intervals.

Service Instructions:

- A) Tap filter or blow out with air to remove excess dirt.
- B) Spray filter with cleaning solution and allow solution to soak in to the filter for about 15 minutes. **Never use strong detergents, high-pressure water, or flammable solvents.**
- C) Rinse filter with warm water, clean side to dirty side, to flush out the dirt.
- D) Allow filter to dry naturally. Try to avoid applying heat, it can shrink the cotton and cause tearing.
- E) Re-oil filter using Callaway Filter Oil. Do not use other oils as they do not have the correct properties for this filter media.

CAUTION: Never use Callaway filters without oil.

Never over-oil filters, this can reduce airflow and may cause damage to sensors in the intake system.

Never use motor oil, transmission fluid, or WD-40. These are flammable and fire can result.