PART NUMBER:
203.67.2501, 203.67.2503

APPLICATION:
2006-13 CORVETTE Z06,
2008-13 CORVETTE LS3
WITH DIFFUSER PANEL
without supercharger

INSTRUCTION SHEET NUMBER:
903.67.9852A

PACKAGE CONTENTS:
- Air Box Cover
- Air Box Base
- Filter Element
- Thumbscrews - (4)
- Rivets - (12)
- Rubber Cuff w/Clamp
- #4 Drill Bit
- Template
- Plastic Retainers - (5)

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)
- Star or T20 bit

HONKER C6
AIR INDUCTION SYSTEM

Callaway Cars Incorporated
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callawaycars.com
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 to remove the radiator fan shroud. 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.

REMOVE OE AIRBOX & DUCTING

A) Disconnect Mass Air Flow (MAF) sensor wiring connector.

B) Release the clamp holding the bellows to the throttle body.

REMOVE OE AIRBOX & DUCTING (cont.)

C) Remove the fresh air inlet hose from the throttle body bellows.

D) Detach the air inlet assembly at pins holding it to the radiator cover.

E) Remove the bellows assembly from the throttle body end.

REMOVE MAF SENSOR FROM AIRBOX

Using either a star or T20 bit, remove the two (2) screws from the MAF sensor. Gently slide MAF out and set aside in a safe place. Loosen clamp and remove bellows.
3 PREPARE HONKER ASSEMBLY

A) The Honker comes shipped with the air filter element installed. The element is pre-oiled; no further preparation is required for the element.

B) Remove the air filter element from the filter base.

C) Make sure the rubber cuff is placed onto the round end of the Honker airbox cover.

D) Slide the new mass air flow sensor housing into the rubber cuff.

E) Trim square tab from end of original bellows.

F) Attach the original bellows to the mass air flow sensor housing.

4 REMOVE RADIATOR SHROUD

A) Remove the four (4) screws holding the top mount radiator shroud.

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

C) Disconnect and remove the electrical connector for underhood light attached to the right front of the shroud. The connector will be there even if the car has no underhood light.

D) Disconnect the electrical connector from outside air temp sensor at bottom right front of shroud.

E) Remove the push pins at sides attaching the shroud to the A/C condenser.

F) Removal of the horn assembly at this time is recommended to gain access and clearance to remove the shroud.

G) Raise vehicle.
4 **REMOVE RADIATOR SHROUD**

(cont.)

A) Remove the three (3) screws holding front fascia inside of the radiator opening.

B) Remove the two (2) outer screws holding front fascia to shroud bracket.

C) Remove the three (3) screws for block off panel to air dam if equipped. Remove block off panel.

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

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

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4 **REMOVE RADIATOR SHROUD**

(cont.)

**FOR LS3 W/Z51 AND LS7, Z06 APPLICATIONS:**

If the vehicle is equipped with an oil cooler, it must be removed before the shroud. We recommend accessing the cooler lines and fasteners by removing the left front lower inner fender panel. Remove the oil cooler lines from the oil cooler by removing the wire clip with a small screwdriver or pick. Pull lines straight out of oil cooler. Be prepared to plug the lines and the oil cooler as oil is present.

A) Remove two (2) bolts on each side of cooler for LS7 or two (2) bolts on 1 side and 1 mid-bracket bolt on Z51-equipped cars.

B) Remove oil cooler.

M) Guide the side wings of the radiator shroud around the brackets.

N) Lower vehicle.

O) Remove radiator shroud by pushing forward to clear the A/C condenser, then pull up and out, using caution not to damage the condenser.
5 APPLY SIDE CUTTING TEMPLATES

Align supplied left and right cutting templates with tape as shown below.

6 MARK SIDE CUT LOCATIONS

Mark the locations to be cut on the shroud baffle.
**MARK LINES ACROSS FACE TO CONNECT SIDE LINES**

Using a straight edge, mark lines across the shroud baffle face from the ends of the left and right cut locations.

**CUT OUT SHROUD OPENING**

Drill a starter hole for the plastic cutting saw blade and then cut along the lines you made.
9 INSTALL SHROUD PANEL

Lay new panel over shroud baffle opening. Clamp in place and drill for rivets.

10 RIVET NEW PANEL

Install five (5) supplied rivets with back up washers. Clinch each rivet until the mandrel breaks off. Touch up rivet head with black paint if desired.
11 INSTALL HONKER AIR BOX
Install the Honker air box base to the new panel using the four (4) bolts and washers. The two (2) spacers should go between the panel and base before installing the lower bolts.

12 INSTALL RADIATOR SHROUD
A) Guide the radiator shroud into place, using caution to avoid damage to the A/C condenser.
B) Guide the side wings around the mounting brackets.
C) Raise the vehicle and secure safely.
D) Holding gently down on the front fascia, guide the side wings into position on the mounting brackets, then install the (2) screws.
E) Install the (2) plastic push pins to each side of the radiator shroud.
F) Install the (2) plastic push pins holding the radiator shroud to the bumper beam.

OIL COOLER REPLACEMENT FOR LS3 W/Z51 AND LS7/Z06 APPLICATIONS:
A) Reinstall the oil cooler through opening.
B) Reinstall the oil cooler mounting bolts.
C) Reconnect the oil lines by pushing in and reinstalling the clip. Test to make sure you cannot pull the line out.
D) Install the block off panel between fascia and grille opening duct at the front.
E) Install the three (3) bolts holding block off panel to air dam at the rear, if equipped.
F) Install the three (3) screws holding the front fascia inside the radiator opening.
G) Install left front lower inner fender panel (if removed).
H) Lower the vehicle.
I) Reinstall the horn and electrical connector.
J) Connect the electrical connector for the outside air temperature sensor.
K) Connect electrical connector for the underhood light (if applicable).
L) Clip electrical connector for the underhood light to the radiator shroud.
12 INSTALL RADIATOR SHROUD

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

W) Install the four (4) screws holding the top mount shroud.

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

13 INSTALL MAF SENSOR AND HOUSING

A) The MAF sensor should be positioned so it is on the driver’s side and at a 90° angle to the top. (NOTE: Your housing may look differently).

14 INSTALL HONKER AIR BOX COVER

A) Install air filter element into filter base.

B) Place the Honker airbox cover over the filter element and guide the four (4) notches onto the four (4) bobbins of the base.

C) Press the Honker airbox cover gently against the filter element while installing four (4) the thumbscrews through the Honker airbox cover and into the filter base.

D) Tighten the four (4) thumbscrews.
**15 FINAL INSTALLATION**

A) Install the bellows to the throttle body.

B) Tighten the clamp at the throttle body.  
**Do not over-tighten - 18 lb-in. maximum.**

C) Tighten the clamps at the rubber cuff and MAF sensor housing.  
**Do not over-tighten - 18 lb-in. maximum.**

D) Connect the fresh air inlet hose to the throttle body bellows.

E) Connect electrical connector to MAF sensor.

F) Remove the stock air cleaner locating pins from the top radiator shroud and fill those holes with the supplied black push pins.

G) Re-connect battery.

H) Re-initialize door windows. This is required after any battery disconnect.

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**16 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.