



## Suggested Installation Instructions for: 618-814, 628-780, Honker Air Induction Systems



**CALLAWAY**  
POWERFULLY ENGINEERED AUTOMOBILES™

### Contents:

Air Box Cover  
Air Box Base  
Filter Elements  
Thumbscrews (4)  
Rivets (12)  
Rubber Cuff with 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  
T30 Torx Socket and Drive Attachment  
Center Punch  
Masking Tape  
Drill Motor  
Rivet Gun  
Tin Snips or Plastic Cutting Saw  
Small C-Clamps (2)

### Important Note:

- Review the entire instruction manual before proceeding with the installation. If any of these steps are not clear, please call Callaway Cars Incorporated at 860-434-9002 or email [techinfo@callawaycars.com](mailto: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.

## DIRECTIONS FOR SAFE AND PROPER APPLICATION

### Step 1 REMOVE OE AIRBOX AND DUCT ASSEMBLY

- Disconnect mass Air Flow (MAF) sensor wiring connector.
- Release the clamp holding the bellows to the throttle body.
- Remove the fresh air inlet hose from the throttle body bellows.
- Remove the bellows assembly from the throttle body end.
- Raise the duct end up to lift grommets off mounting pins on the radiator shroud.
- Rock the entire airbox assembly back and forth to release it from the pins on the bumper beam, then remove entire airbox assembly.



**Step 2 REMOVE MAF SENSOR FROM AIRBOX**

- Release the clamp from the airbox and remove MAF sensor and bellows assembly from the airbox.



**Step 3 REMOVE PINS FROM BUMPER BEAM**

- Remove the two (2) T30 bolts from the bumper beam.
- Clean the radiator shroud sufficiently so that tape may adhere to it.



**Step 4 PREPARE HONKER ASSEMBLY**

- Remove the two (2) grommets from the OE air box assembly and transfer them to the Honker cover.
- The Honker cover comes shipped with the air filter element installed. The element is pre-oiled: no further preparation is required for the element.
- Remove the air filter element from the filter base.
- Reassemble the Honker assembly without the filter element.



**Step 5****MARK RADIATOR SHROUD**

- Locate Honker onto the pins on top of the radiator.
- The filter base will sit into the V on the radiator shroud.
- Using masking tape, butt the edges of the masking tape to the left and right side edges of the filter base.
- Remove the Honker assembly, using caution not to dislodge the tape.

**Step 6****REMOVE RADIATOR TOP SHROUD**

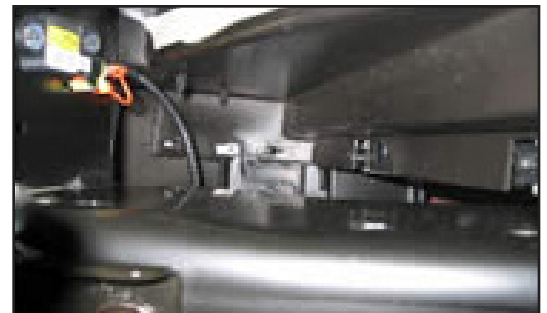
- Remove four (4) screws holding top mount radiator shroud.
- Unclip hose from top mount radiator shroud.
- Remove top mount shroud.

**Step 7****REMOVE RADIATOR SHROUD**

- Disconnect electrical connector for underhood light.
- Unclip electrical connector for underhood light from radiator shroud.
- Disconnect electrical connector from outside air temp sensor.
- Raise vehicle.
- Remove three (3) screws holding front fascia inside of the radiator opening.
- Remove two (2) plastic push pins holding radiator shroud to bumper beam.
- Remove two (2) plastic retainers from each side of the radiator shroud.
- Pull gently on front fascia and remove two (2) screws holding the sides of the radiator shroud.

**Step 8****RADIATOR SHROUD REMOVAL CONTINUED**

- Guide the side wings of the radiator shroud around the brackets for the last two (2) screws that were removed.
- Lower vehicle.
- Remove radiator shroud by pushing forward to clear the A/C condenser, then pull up and out, using caution to not damage the A/C condenser.



**Step 9 APPLY CUTTING TEMPLATE**

- Align supplied template left to right with tape applied in step 5.
- Align template up and down with the V in the radiator shroud, to the corresponding alignment marks.
- Tape the template into position.

**Step 10 MODIFY RADIATOR SHROUD**

- Center punch the holes in the mounting template outer ring, and four (4) holes for the corners of the opening.
- Using the supplied #4 drill bit, drill the holes for the corners of the opening.
- Use a 1/2" drill bit to drill the four (4) holes for the corners of the opening.
- Using snips or a jigsaw, cut out the center opening.
- Remove template and tape.
- Align filter base to opening in radiator shroud.
- Clamp filter base into position.
- Using the supplied #4 drill bit, drill holes from shroud into filter base.
- Drill one hole, then insert a rivet into the hole, but do not cinch rivet until all holes are drilled, and rivets are aligned.
- Once all holes are drilled, cinch rivets.

**Step 11 INSTALL RADIATOR SHROUD**

- Guide the radiator shroud into place, using caution to not damage the A/C condenser.
- Guide the side wings around the mounting brackets.
- Raise vehicle.
- Holding gently down on the front fascia, guide the side wings into position on the mounting brackets, then install the two (2) screws.
- Install the two (2) plastic push pins to each side of radiator shroud.
- Install the two (2) plastic push pins holding the radiator shroud to the bumper beam.

**Step 12 INSTALL RADIATOR SHROUD**

- Install the three (3) screws holding the front fascia inside the radiator opening.
- Lower vehicle.
- Connect electrical connector for the outside air temp sensor.
- Connect electrical connector for the underhood light.
- Clip electrical connector for the underhood light to the radiator shroud.

**Step 13 INSTALL RADIATOR TOP SHROUD**

- Place radiator top mount shroud into position over the radiator.
- Install four (4) screws holding the top mount shroud.
- Clip the hose back into position on the top mount shroud.



**Step 14 INSTALL MAFF CUFF**

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



**Step 15 INSTALL HONKER COVER**

- Install air filter element into filter base.
- Insert Honker lid onto the bobbins of the filter base.
- Hinge the Honker lid down, to align the grommets to the top mount shroud mounting studs.
- Start the thumbscrews in the Honker filter base.
- Seat the Honker grommets in the top mount shroud.
- Tighten the four (4) thumbscrews.



## Step 16 COMPLETE INSTALLATION

- Install the bellows to the throttle body.
- Tighten the clamp at the throttle body.
- Tighten the clamp at the rubber cuff.
- Connect the fresh air inlet hose to the throttle body bellows.
- Connect electrical connector to MAF sensor.
- Affix Callaway decal to flat surface or the radiator top shroud. Decal should be 1/2" from the side and centered as shown.



## Step 17 SERVICING THE 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 2003/00.9250. 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:

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

