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Year: 2006-2008
Make: Porsche
Model: Cayman

INSTALLATION INSTRUCTIONS



What's in the Box: (8) Grill Mesh Pieces.

Small Needle Nose Pliers, Flathead & Phillips Screwdrivers, Small Cable Ties, Adhesive,

Tool List: Masking Tape, Plastic Tubing, Screws, Washers, Drill & Drill Bits.

Please visit this website for complete bumper removal instructions: <http://www.planet-9.com/reviews/service-items/p102-factory-cayman-s-bumper-removal.html>

Mesh Installation:

Front Center Grill –

Put some liquid soap on the neoprene trim, and use your fingertip to put some soap in the gap where the hard and soft plastic sections meet just inside the radiator opening. Place the mesh inside the radiator opening, get it centered left/right. Be patient, don't damage the mesh by pushing or pulling too much or too hard in one place.

For **manual transmission** cars, gently press your grill piece with edging into the black plastic cup opening. You want the grill to be evenly setback, and spaced uniformly around the perimeter of the opening. Use masking tape to hold mesh in that position (if friction won't do it), and then use more small pieces of masking tape to mark the exact location, the amount of setback. You will need to use some clear silicone sealant. Apply the silicone inside the black plastic cup, just inside your masking tape locators, and just where the edge of the trim will touch. (Do not apply silicone to the grill mesh edging, otherwise you will smear it all over the place when you try to install it). Use six beads of silicone, each bead about 1 1/2 inches long, two beads on the bottom, two on the top, and one on each side. Use masking tape to hold your new front grill in position until the silicone cures, usually 24 hours.

Left and Right Front Radiator Grills -

There are two ways to install these - bumper on or bumper off. With the "Bumper Off" style, the hard part is the bumper removal and reinstallation. The easy part is installing the mesh pieces using 8 cable ties (the 4 inch size) on each side. Refer to Photo #1 to see where then cable ties are to be located. Do not tighten the ties until all 8 are loosely in place, and mesh material is snug against the top around the fog light area.

PHOTO #1



For "Bumper-On" installation of these grills:

The tricky part of inserting the inserts through the respective right and left grill openings is next. Use blue painting tape on the grill area where you are inserting it to protect the plastic surfaces. There is a lot of space (deep) towards the tire side of the radiator/condenser and this allows you to insert almost the entire length of the grill mesh into this cavity area. You will see that the last 1 inch to 1 1/2 inches will remain sticking out of the grill and this is where the thinner grill material will allow you to force the grill in which will cause it to "flex" without much effort. Once you get the mesh through the grill now you just have to manipulate it into position using needle nose pliers and then use plastic cable tie to secure the mesh to the existing grill.

Attaching the mesh from the outside using cable ties is not hard to do the trick is to bend over the ½ inch tapered tip of the cable tie, and pinch it hard with pliers to retain a bent shape. Then, push it through a mesh opening as close as possible to the attachment point of the vertical or horizontal grid in the radiator opening (see photo # 1), then pull the tapered point out on the opposite side of the grid. Grab the tip with some needle-nosed pliers to pull it out so you can get it with your fingers, then slide the tip into the locking end of the cable tie. Rotate the cable tie around to hide the locking end as best you can. Before you tighten, make sure the mesh is tight against the top by the fog light.

Pay attention to the fact that the grill mesh edges are sharp and pointed, they will scratch anything they touch. Cover the edges with masking tape for installation, and then get that tape peeled off when the mesh is in position.

This modification took me approximately 1 1/2 to 2 hours to complete including the trial and error process of trying to determine if this in fact it could be done without removing anything.

Left Side Vent - so, what is "left? If your Cayman was a boat, it would be the "port" side. It is the side the steering wheel in on in the USA and Canada, etc. "Left" would be the passenger side in the UK, Australia, Singapore, and Japan, etc.

First step is to remove vent assembly, which is made up of two joined parts: the ventilation grill (it is painted car color) and the underlying part called the retaining frame which is unpainted and is flat black in color. These two plastic pieces are held together by means of four little molded tabs; they just snap together. The complete vent assembly (these two pieces together) is attached to the car body by 4 female attachments on the retaining frame that clip onto 4 male pins on the car body. Removing this vent assembly from you car has been the subject of many inquiries and articles on the Cayman Club site, even many Porsche dealers don't know how to do it and even break parts in the process of trying.

Attach some masking tape to the ventilation grill, you are going to be pulling on it.(see photo #2)

PHOTO #2



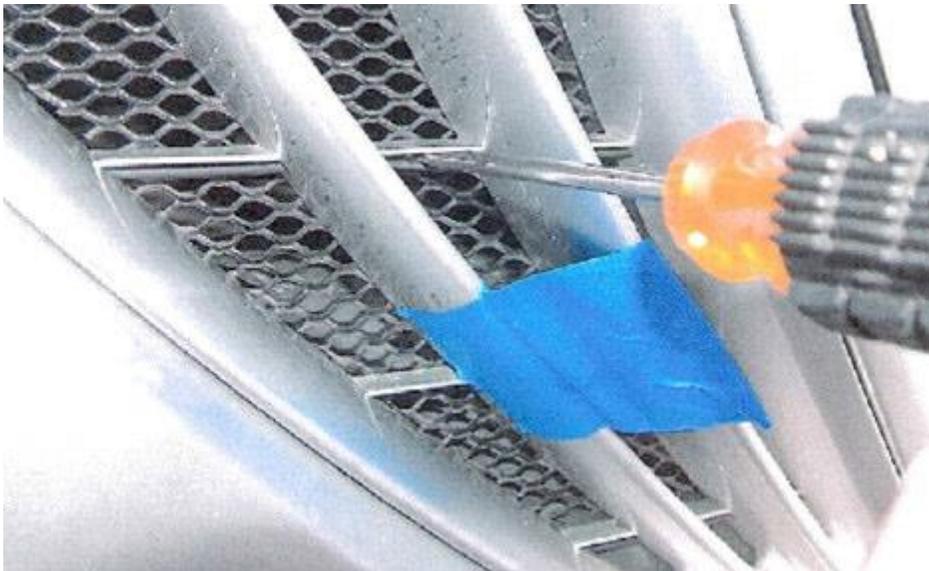
Then, insert a small flat-bladed screw driver between the ventilation grill and the retaining frame at the point indicated in the next photo (photo # 3).

PHOTO #3



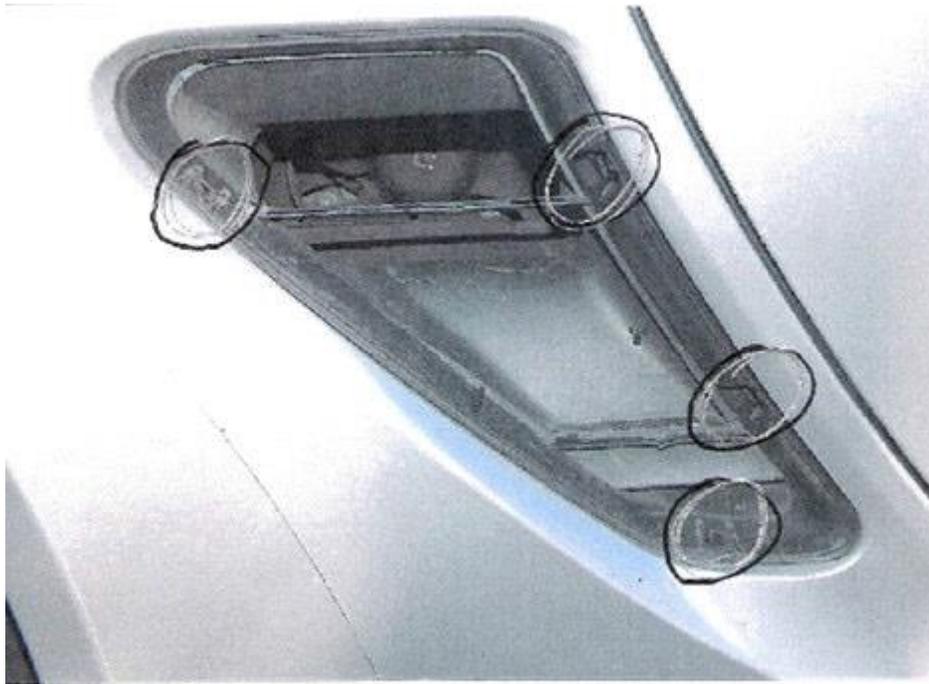
Pry the grill and frame apart at the same time you pull on the masking tape. As soon as you feel the grill pull away from the frame at that pry point, move the screw driver up to the next pry point: (photo #4).

PHOTO #4



A little more prying and pulling and retaining frame the ventilation grill will pop right out. Now you are looking at the Retaining frame still firmly attached to the car --but now the attaching points are no longer hidden--they are right there for you to play with. Locate all 4 of them. (photo#5)

PHOTO #5



Just gently pry up the locking tabs, one at a time, while you pull the frame away from the car (photo #6). (Note: if you want to “de-snork” your car, this is your chance. Read all about the pros and cons on the Cayman Club web site.)

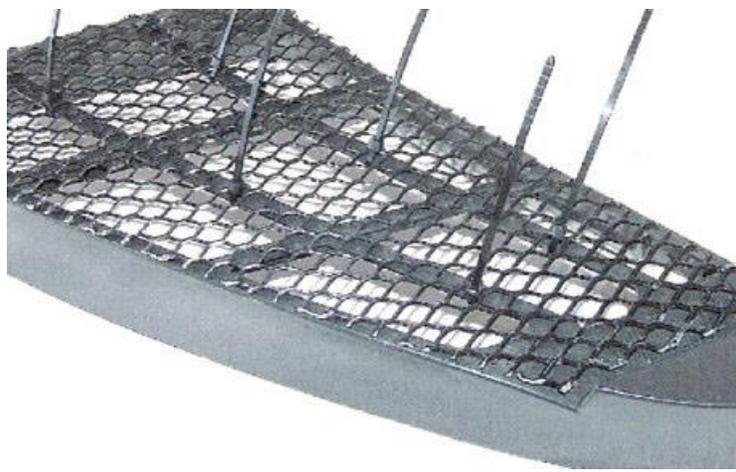
PHOTO #6



Note: plastic parts are more flexible when warm. Do not try to pry cold pieces apart; something will break. Use a hair dryer to warm things up.

Wash your grill and frame in the sink. Attach the grill mesh to the retaining frame using 6 cable ties at the locations indicated in photo #7.

PHOTO #7



Do not tighten the cable ties until the mesh is carefully centered on the frame. Trim the cable ties, and snap the grill and frame back together. Look to make sure the little molded tabs (where you used the screw driver) are firmly seated. Now just push the whole assembly back into the car. You will hear or feel each of the four attachment points lock into position. Pull on the assembly to make sure it is securely in place.

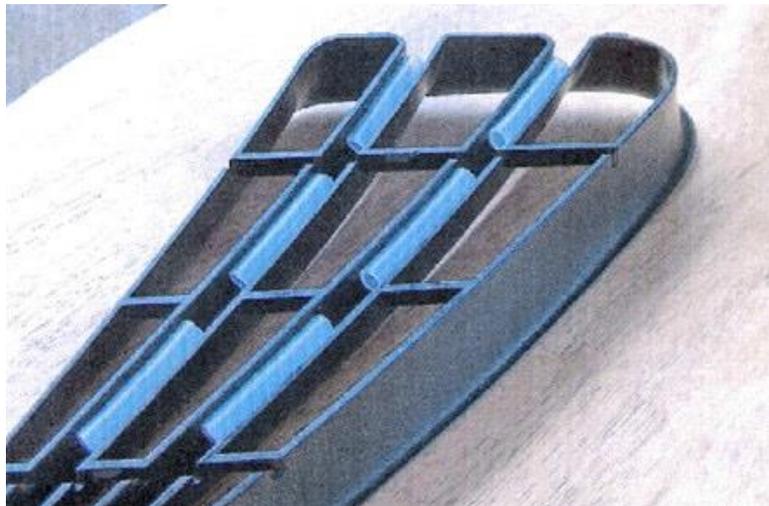
Right Side Vent - remove the right side vent assembly from the car and clean it up. With the left side vent, the mesh was attached to the retaining frame, but on this right side, the mesh will be attached to the ventilation grill (see photo #8), but we have to make something for it to attach to.

PHOTO #8



Best way I've found is to use 2 inch long sections of polyethylene tubing, which is available at most local hardware stores. You will need 12 inches of the stuff, cut into six 2" sections. The polyethylene tubing you need has an outside diameter of 3/8 inch, and an inside diameter of 1/4 inch. Place the six pieces of tubing into the locations as per photo #9.

PHOTO #9



Bend and shape the tubing pieces so that they fit snugly into position. Glue the pieces into the ventilation grill using 5-minute epoxy or “Superglue”(cyanoacrylate). After the epoxy or Superglue has thoroughly cured, position your mesh precisely on top of the grill. Mark on the tubing where pilot holes need to be made for the screws to pass thru the mesh into the polyethylene tubing pieces (photo #10).

PHOTO #10



Attach the grill mesh using sheet metal screws (size #8 by ½ inch long will do. Buy at least 10 screws so you will have enough to mount the rear bumper diffuser grills, too). Washers are optional --depends on the mesh. Mesh must be properly positioned for vent and frame to snap back together--see photos #11 and 12.

PHOTO #11



PHOTO #12



Mount the mesh using the screws. Reassemble the grill and frame by snapping them back together. If the mesh is not positioned correctly, or the mesh is too big (cut bigger than the template) the grill and frame will not fit together properly. Once properly assembled, reinstall the whole assemble back into the car.

Rear Bumper Diffuser Grills –

You need to get your car elevated to install the diffuser grills. **DO NOT** use tire changing jacks for this purpose, **USE CAR RAMPS**. Using ramps is a two person job and plan accordingly.

With your car now safely elevated, look at the aluminum heat shielding protecting the plastic rear bumper. The top part of the mesh is going to fit between that heat shield and the bumper, and be attached to the very bottom part of the black plastic bumper frame using self-piercing or sheet metal screws, two on each side. Pull the heat shield away from the bumper a little, and start to fit the mesh. It is helpful to bend the outside bottom corner of the mesh to conform to the shape under there. Once in place, use lots of masking tape to hold it in position.

You only need 4 self-piercing or sheet metal screws for attaching the mesh, two on each side on the bottom edge. (Need size 8 by 1/2 inch long, and washers). Get the hex-headed type so you can use a ¼ inch socket or box-end wrench for driving the screws). You must drill four pilot holes for the screws, but there is no room to get a hand-held drill in there. The pilot hole doesn't need to be properly aligned; it just needs to be a hole, so you can make the hole with the drill bit at an extreme angle to the work surface. I used a 1/8 inch drill bit mounted in a Dremel tool to make the holes. With a pilot hole, getting the screws started in will be easy. Push the aluminum heat shielding back into its original position when you are finished.

Many thanks and credit go to: [j_copeland](#), [ttsakai](#), & [porsch4ed of the caymanclub.net](#)

PLEASE NOTE: The instructions provided are the suggested installation method. If you feel that the installation instructions are inadequate or unsafe then please feel free to develop your own installation techniques that fit your exact needs. customcargrills.com llc is not liable for any personal or property damage resulting from our products. If you have any suggestions on how to improve our installation instructions then please email your comments to info@customcargrills.com .