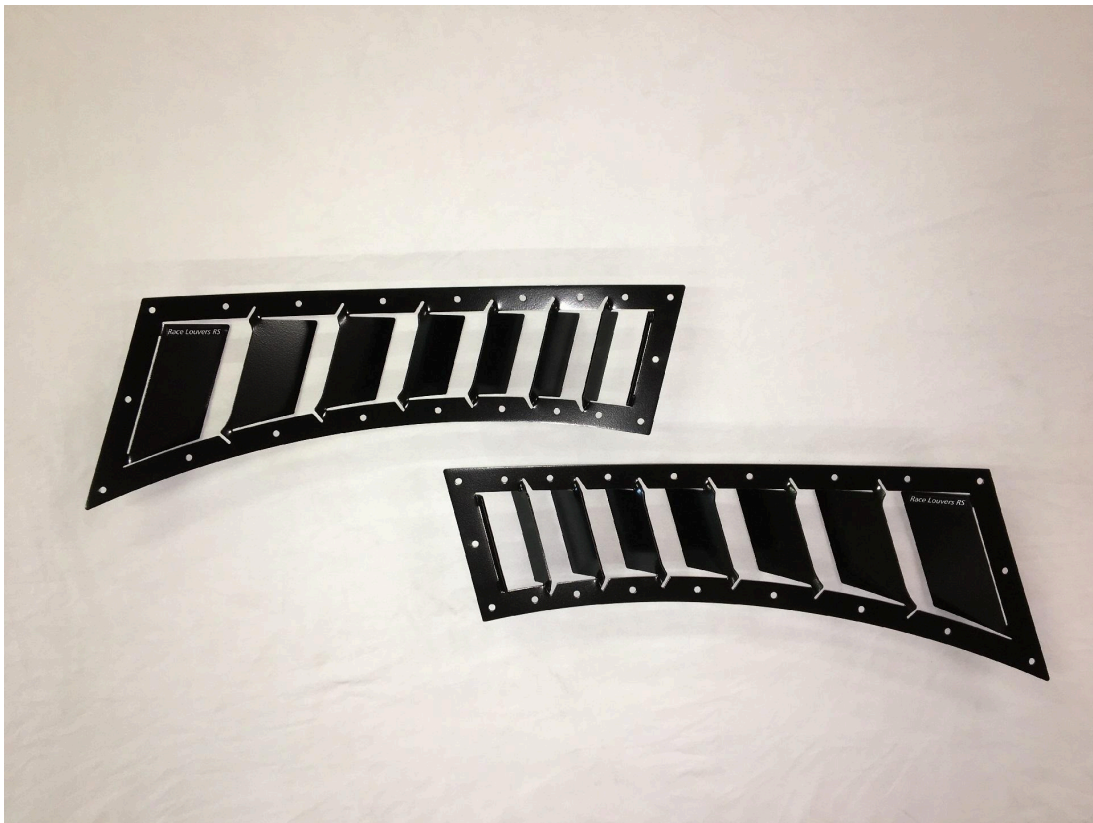


/// Race Louvers

Professional R&D - Wind Tunnel Tested - Track Proven

info@racelouvers.com - www.racelouvers.com

908-447-5788



Fender Louver Installation Instructions

Thank you for choosing Race Louvers. Below are detailed instructions on how and where to install your fender louvers. If at any point you need assistance please give us a call. Race Louvers is not responsible for any damage resulting from the installation or use of any Race Louver products.

Whats in the box

- Fender Louver(s)
- Color matched fasteners
- Template(s)
- Installation instructions
- Decals

Recommended Tools

- Masking tape
- Tape measure
- Scissors
- Drill with assorted bits
- Reciprocating saw, jig saw, cut off wheel or similar
- Sanding drum or file
- Spray paint or touch up paint
- Die grinder
- Rivet fastener

Note - Due to the many variations in vehicle fenders our fender extractors have been designed with some room for movement allowing the user to align them with a matching kit, personal preference, etc. The exact install location is up to the installer. Please see the product description on our website for specific information regarding recommended installation.

Note - An extra template may be included in cases where only one of the dual kits are purchased. This allows the customer to locate and install the single kit so that the other matching kit can be installed at a later date.

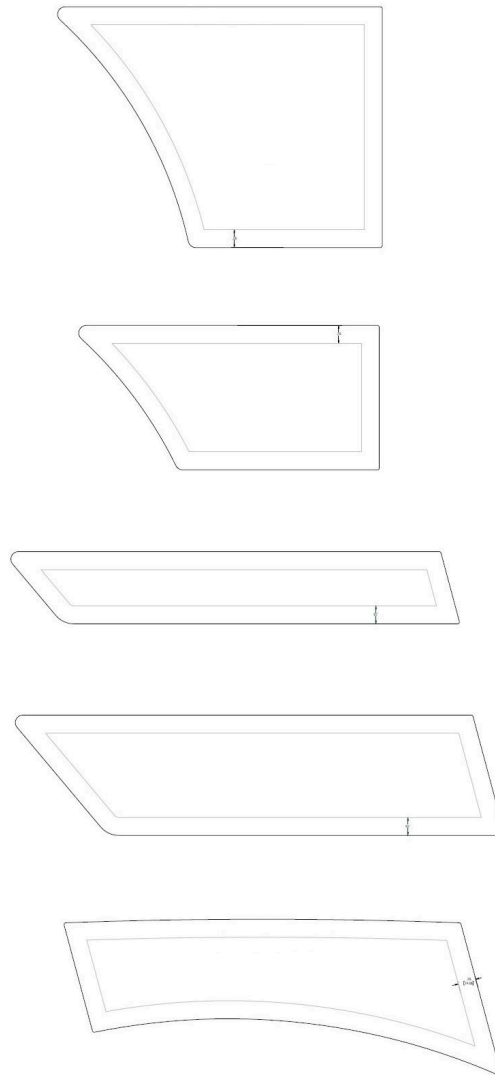
Note - If front downforce is the primary goal then the fender liner should remain and a hole should be cut in it near the louver, this maximizes front downforce but still provides some cooling. If the primary goal is improved cooling then the front lower part of the fender liner should be removed as well as a hole should be cut in it near the louver, this maximizes cooling but still provides some front downforce.

Important - Prior to performing any work please verify the supplied template is the appropriate size for the extractor.

Louver Orientation

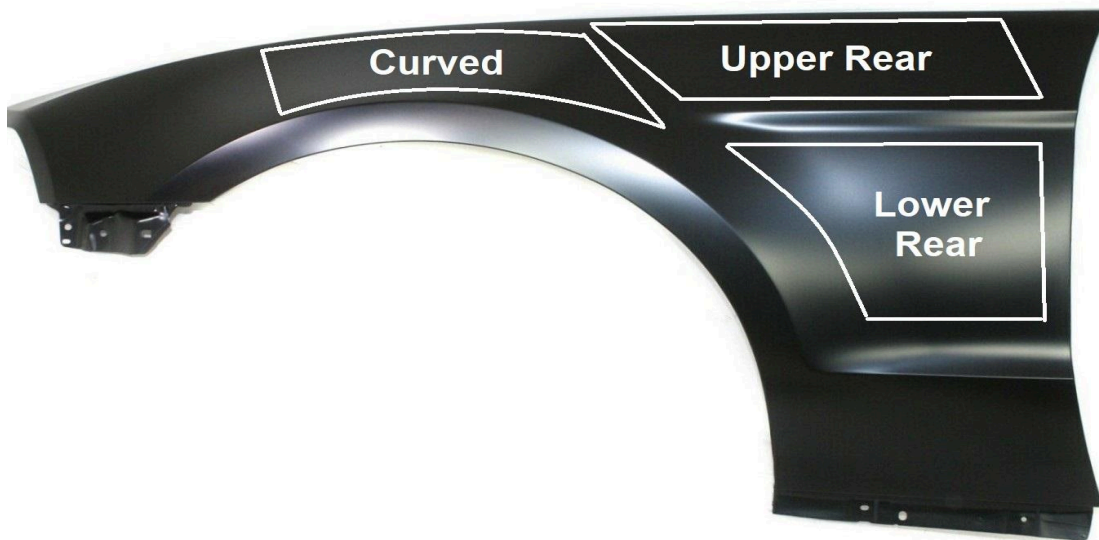
Top of Fender

Front of Vehicle



Marking the Location on the Fender

1. Locate the area on the fender where the louver was designed to be installed.
'Top' fender louvers should be no further forward than the front edge of the tire and should not be closer than 6-8" from the windshield glass. Curved, upper rear and lower rear kits should be in their respective positions.
2. Using masking tape, tape over the entire area where the louvers will be installed.
3. Using scissors, carefully cut out the louver template and verify it is the same size as the louver.
4. Locate the supplied louver template on the fender in the proper orientation.
 - Templates: Two of the same templates are provided. Simply flip one over for the left and right sides.
5. Using a marker carefully mark the inside perimeter (cut line) of the template onto the fender.
6. This is your cut line.



Cutting the Fender

Note: It is recommended that you cut the hole approximately $\frac{1}{8}$ " larger on all sides than the cut line to provide sufficient clearance.

1. Use a drill with a $\frac{3}{8}$ " drill bit to drill holes, 1 at each corner just inside the cut line so once the perimeter is cut the corners will be rounded.
2. Using a reciprocating saw, jig saw, cut off wheel or similar tool, carefully cut out the perimeter.
3. Place the louvers in the cut hole and check fitment. Adjust as needed to get a proper fitment and clearances.
4. If the louvers do not sit flush on the fender's surface you may carefully bend the louvers outer mounting flange slightly so it sits flush. DO NOT bend any of the blades.
5. With the louvers still located in the cut hole, use a marker to mark all of the mounting holes on the fender.
6. Remove the louvers and drill all of the mounting holes with a $\frac{3}{16}$ " bit.
7. Using a sanding drum or file smooth out all cut and drilled edges.
8. Clean the fender and remove masking tape.
9. Paint all cut edges by spraying paint on a q-tip and rolling it on the cut edges or brush it on with touch up style paint. Allow to dry.

Cutting The Liner

Maximum Front Downforce:

1. Retain the oem fender liner and cut a rectangular hole in the fender liner near the louver approximately 3-4" wide and about as long as the louver. Cover the hole with mesh to keep debris out.
2. Alternatively you can drill a series of $\frac{1}{2}$ " holes in the shape of a rectangle in the fender liner near the louver approximately 4-5" wide and slightly longer than the louver. This does not require any mesh for debris.

Maximum Cooling:

1. Follow the steps in maximum front downforce above.
2. Cut out the front lower part of the fender liner to allow air from the radiator to more easily flow into the fender well.

Installing the Louvers

1. If desired you may place black electrical tape on the bottom side of the louvers as a cushion prior to installation.
2. Place the louvers in their mounting location in the fenders with the blades angled rearward.
3. Permanently install the louvers using the supplied fasteners. If using our standard rivets no back up washer is needed.
4. Repeat step 3 for all remaining mounting holes.

Congratulations! Your Fender Louvers are now installed.