



FS Performance Engineering

Kia Optima (2011-2015) Side Skirt Extensions Installation Instructions

Tools Needed:

- Drill
- 1/4" drill bit
- Phillip's head screwdriver (a short one may be more useful)
- 90 degree phillip's head screwdriver (if you don't feel like turning the wheel)
- 10 mm wrench
- 10 mm socket / ratchet wrench
- 4mm or 5/32" allen head wrench
- Sharpie (possibly)

Included in Kit:

- (2) Side Skirt extensions (symmetrical)
- (2) Flares/fins (NOT symmetrical)
- (18) M6-1.0 x 20mm hex flange bolts
- (16) 1/4" ID, 1" OD fender washers
- (20) 1/4" ID small washers
- (22) M6-1.0 nyloc nuts
- (4) M6 black countersunk washers
- (4) M6-1.0 x 16mm countersunk bolts
- (8) 1" long body screws
- (4) 1.25" long body screws

Steps:

- 1.) Raise the car and secure with jack stands. Feel free to start on one side of the car, then later transition to the other side of the car for the opposite side skirt extension. Be sure you orientate the side skirt extension so the fin will be in the back (there are pre-drilled holes).
- 2.) Begin by identifying the six (6) phillip's head screws that help hold the OEM rocker panel. The screws are underneath the rocker panel and span from front to back. Remove the screws and set them aside.



- 3.) Install your side skirt into these screw holes. We supplied both 1" body screws, and 1.25" long body screws. Use two longer body screws for the rear holes/slots (location shown in previous step) and the 1" body screws for the 4 holes in the middle and front. The rear two holes are actually slots - the slots are there just in case there is any "slop" in hole locations.

(PICTURES ON NEXT PAGE)

PICTURE 1: Skirt extension next to car.

PICTURE 2: Skirt extension on car.

PICTURE 3: Example of screw holding side skirt extension up against rocker panel.





4.) Now you can use your drill and ¼” drill bit to drill through the holes in the side skirt extension into the rocker panel. If you are worried about damaging the side skirt extension, just use a sharpie to mark the holes and later drill them after the side skirt extension is removed for final installation.

5.) Once the holes have been drilled, remove your side skirt extension from the rocker panel.

6.) Move to the front wheel well. Just behind the front tire there are 2 screws that hold the fender lining to the car. Remove the screws.

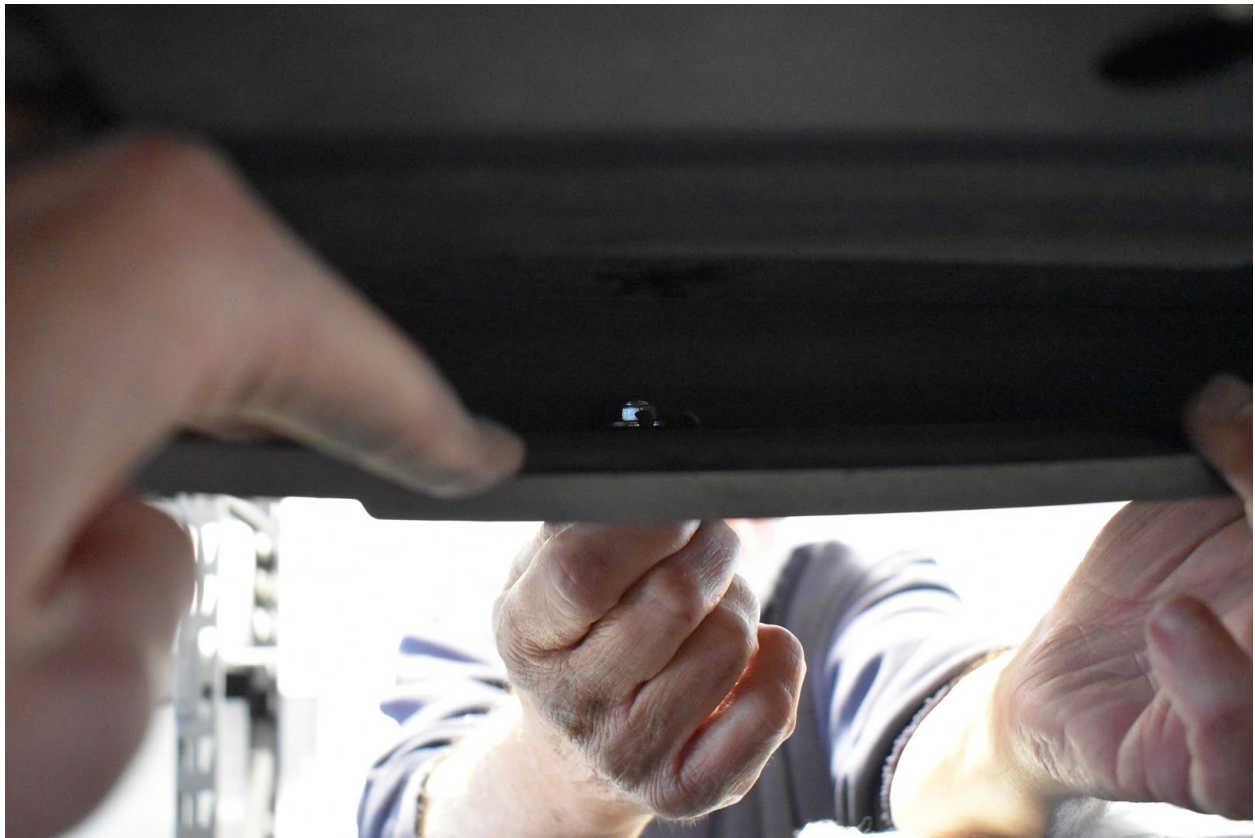




7.) Install your side skirt extension into the holes that you just drilled. This requires accessing above and below the rocker panel. It is always nice if a friend can help.

Use the supplied M6-1.0 x 20mm hex flange bolts with 1" fender washers under the head, and 1/4" small washers & nyloc nuts on top. NOTE: The hole at the very rear uses a 1/4" small washer on top AND bottom.

Example of a bolt pointing upward with a 1" fender washer under the head, and a 1/4" small washer and nyloc nut on top.



8.) Once the bolts have been installed into the holes you drilled, reinstall the screws behind the front wheel. Then install the screws as described in step 3.

9.) Install your flare/fin. The fold goes underneath the side skirt. The countersunk bolts point downward with countersunk washers under the heads, and nyloc nuts on the bottom.

10.) Make sure everything is buttoned up and move to the other side of the car. Repeat the same steps!



11.) Enjoy your new FS Performance Engineering aero! Tag us & use #FSPerformanceEngineering in the online world!!



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