

S13 Aluminum Hatchback Spoiler (RPS13)

Installation Guide

UAC recommends professional installation for this part. Drilled holes are required in the trunk deck for mounting. UAC is not liable for damages due to improper installation. Buyer assumes all risk.

Tools needed: Masking tape, pencil, pins (different colors), center punch, drill motor, small drill under 1/16 for pilot holes, small step drill, 1/4 drill, 11/32 wrench, 7/16 wrench, 7/16 socket wrench, 3/32 Allen wrench, 9/64 Allen wrench, & a friend for a 2nd set of hands.

1. Clean, then mask off the trunk deck and edges of quarter panels w. masking tape.
 - Mask the edges of the quarters separate from the hatch so that it can be opened and closed during installation.
 - Make the masking tape tight to the edges of the brake light so you can clearly see the edges.
 - Masking tape should be flat up against the surface of the hatch w. as few wrinkles as possible.

2. Have you and a friend hold the spoiler up to the car.
 - It should conform to the back of the hatch with just a little pressure.
 - If you can press the spoiler into shape against the car without much effort then following step is not needed.
 - It may be necessary to straighten it a bit in the middle if it's a little off. This area bends easily when spoiler is not installed. Be careful not to bend too much. Only bend a little each time and keep checking the fit.

3. While still holding the spoiler against the car, align the spoiler.
 - Center evenly between the edges of the hatch.
 - Check for even spacing is around the brake light. Bottom edge of spoiler should be about even with bottom of brake light bezel.
 - Check that the edge where the spoiler meets the trunk deck lines up w. the back edge of the hatch.

4. Make a first set of marks w. pencil in all of the 6 mounting holes. Now remove the spoiler.

5. Use your tape measure to check the spacing of your marks. You will probably have to adjust their position a little. Use a different color pin to mark the new locations so they won't be confused w. the old ones.
 - Make sure all your mounting holes are evenly spaced vertically from the bottom edge of the spoiler. If they are not then the spoiler will be mounted crooked.
 - Check the horizontal spacing from side to side too. Measurements should mirror each other from one side to the other. Should you have to move one hole horizontally, then the rest of the holes will have to be moved as well. This only applies to horizontal movement.

6. Hold the spoiler back up to the car and align mounting holes w. the adjusted marks you made.
 - Does it look evenly spaced? Does everything line up?
 - If so continue to the next step. If not repeat steps 5&6 until you are satisfied with the fit.

7. Center punch your mounting marks and drill a small pilot hole with a 1/16" or smaller drill.
 - The smaller size drill the less likely it is to walk on you.
 - Masking tape will help the paint resist chipping while drilling so do not remove the tape yet.

8. Drill the 6x mounting holes to size.

- It is **highly recommended** to use a **step drill** to open each hole up to 1/4 before using the 17/64 drill supplied with the kit. A step drill drills a hole larger in small increments with each step and works really well on sheet metal. It also helps keep the holes from moving while you are drilling them to size. If you don't have one, drill the holes larger in stages using progressively larger drills. Use at least 3 stages.
- **Caution:** Sheet metal may tear if you go straight from the pilot hole to the finished hole in 1 step.
- Remove masking tape from top edge of spoiler under area where spoiler mounts. Leave masking on the bottom for now.

9. Install the 8-32 rivenuts.

- Thread 8-32 nut (not rivenut) all the way down on installation bolt.
- Place washer on bolt.
- Slide bolt through hole in installation tool.
- Thread assembly all the way down in rivenut by hand. You should be able to see the bolt threaded all the way through the rivenut.
- Place the rivenut in the mounting hole.
- Using a 11/32 wrench and a 9/64 Allen wrench, tighten up nut but keep the bolt and the install tool from rotating. This makes the rivenut mushroom up against the back of the panel and locks it in place.
- Tighten nut until you notice a notable difference in effort. When it gets hard to turn the rivenut is fully seated. The rivenut should no longer be able to spin in the mounting hole if everything has been done correctly.
- Repeat for all 6 mounting holes.

10. Bolt spoiler to car w. 8-32 button head bolts.

- If a few bolt holes are a little off and do not line up after installing rivenuts then your holes have moved a bit.
 - It may be necessary to slightly open up the holes in the spoiler to get it to bolt down. If this is required, drill mounting holes larger in small increments until it will bolt down. Do not drill them so large that the heads of the bolts will not hold the spoiler tight against the car.

11. Finger tighten the support rods to mounting holes in the spoiler using the 2 acorn nuts w. 1 washer on either side of the spoiler. Let the other end hang for now.
12. Mark a line that is 1 1/2" up from the bottom edge of the hatch.
13. Swing each support rod over 1 1/2" line and make a mark for the lower mounting hole.
 - Rods should be adjusted to the same length if they are not already.
14. Double check your marks horizontally and make sure they are even from side to side.
 - Do the support rods still line up? Length can be adjusted if needed. Once you are satisfied move to the next step.
15. Center punch marks, drill pilot holes, use step drill to open holes up to 1/4, and remove masking tape.
16. Make any final adjustments to the support rods and bolt them into the lower mounting holes.
 - Rods should be tight against the spoiler when bolted down to remove any slack in them. They should not be so tight that they push the spoiler passed its normal mounting position.
 - Place 1 washer on either side of hatch sheet metal.
 - Use nylon locking nuts on the inside of hatch to bolt rods in place.
 - Tighten lock nuts on threaded section of support rods
17. Enjoy!