



## INSTALLATION INSTRUCTIONS

PART NUMBER: CHALL-R

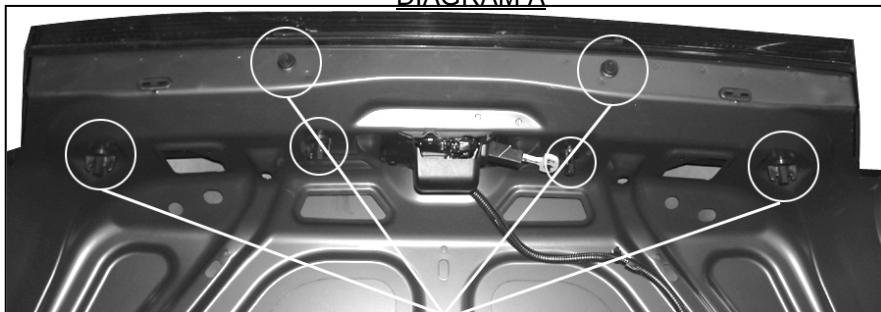
FOR: 2009 + Dodge Challenger

**PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**

### **INSTRUCTIONS FOR LIGHT BAR REMOVAL**

1. Open deck lid.
2. Before installing Sportwing®, you will need to remove the factory center light bar located in the center of the deck lid. The light bar removes easily. There are eight (8) fasteners holding it in place and one (1) electrical plug that needs to be un-clipped. **See Diagram A below.**
3. Remove the four (4) black plastic wing nuts. Next, remove the two (2) push pins as shown.
4. **See Diagram B below.** Remove the black plastic cover as shown. Then **see Diagram C below.** Remove the last T-15 torque screw holding the light bar in place. Repeat on passenger side, and then pry the light bar away from the clips holding it in place. Unplug the electrical connectors and place light bar aside.

**DIAGRAM A**



**DIAGRAM B**



Slide panel out to expose factory T-15 torque screw holding final light bar screw in place. Repeat on passenger side.

**DIAGRAM C**



Use the T-15 torque driver to remove torque screw.

### INSTALLATION PACKAGE INCLUDES:

- A) 3 — Paper Hole Locators (used in Step 4)
- B) 2 — #14 x  $\frac{3}{4}$ " Black Stainless Steel Mounting Screws – For outer mounting holes
- C) 2 — Black Stainless Steel Lock Washers – For outer mounting holes
- D) 2 — Black Stainless Steel Flat Washers – For outer mounting holes
- E) 3 — #14 x  $\frac{3}{4}$ " Zinc Shiny Fastening Screws – For inner mounting holes
- F) 3 — Zinc Shiny Lock Washers – For inner mounting holes
- G) 3 — Zinc Shiny Flat Washers – For inner mounting holes
- H) 3 —  $\frac{5}{8}$ " Black Hole Caps – To cover  $\frac{5}{8}$ " holes made in secondary panel in Step 6.
- I) Instruction Sheet

### EXTRA TOOLS NEEDED:

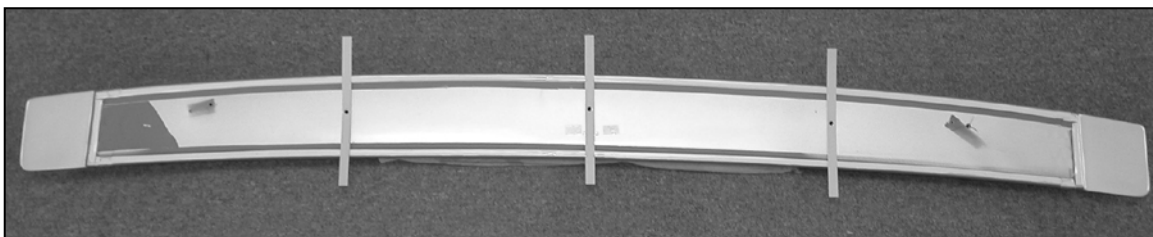
- A) Grease pencil (China Marker)
- B)  $\frac{5}{32}$ " or similar Extra Long Drill Bit
- C) Uni-bit – Makes a cleaner cut
- D) T-15 Torque Screwdriver
- E)  $\frac{5}{8}$ " Hole Saw
- F) Flashlight
- G)  $\frac{1}{4}$ " Ratchet with  $\frac{3}{8}$ " Socket and 6" Extension

1. Open Trunk and place a protective cover inside the trunk to capture any metal shavings.
2. Starting on the driver's side, measure down  $26\frac{1}{8}$ " from the front corner of the trunk lid where it meets the rear window glass and make a mark. **See diagram below.**



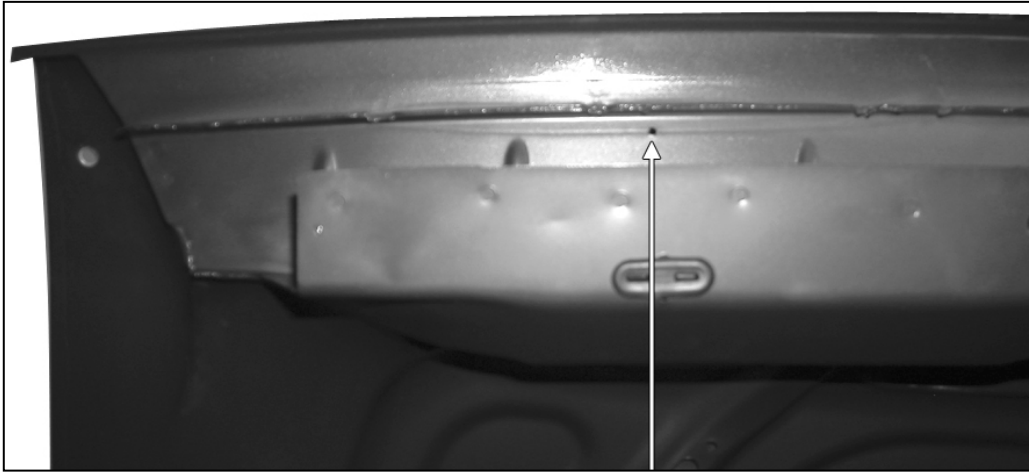
3. Place the Sportwing® on the marks made in Step 2 so that as you face the rear of the car, the front edge of the Sportwing® rests on the marks. Center the Sportwing® exactly from left to right. Using a grease pencil, outline each outer mounting area. You will use these outlines later in the installation to guide the placement of the [spoiler](#) back into the correct position.
4. Place the Sportwing® upside down on a soft cloth that will not scratch the painted surface. Find the three (3) provided paper hole locators and remove their paper backing to expose the adhesive. Locate the three (3) INNERMOST mounting holes on the bottom of the Sportwing® and place the cut out hole locator centered exactly over these three fastening holes. **See diagram below.** A piece of masking tape can hold the hole locators in place. (NOTE: later in the installation, you will drill holes in the deck lid for the two (2) outermost holes of the Sportwing®. See Step 6)

Making sure the hole locators do not move, flip the Sportwing® over and place it back onto the grease pencil marks you made in Step 2.



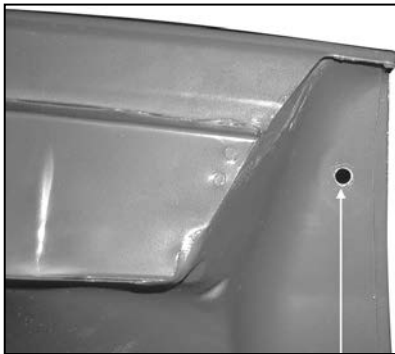
5. When the Sportwing® is centered on the outline marks from Step 2, and making sure the three (3) paper hole locators did not move, tape all three (3) paper hole locators to the deck lid using masking tape. Next, carefully lift the spoiler off the deck lid, leaving the hole locators taped to the deck lid.
6. Using the extra long  $\frac{5}{32}$ " drill bit, and holding the drill straight down at a 90° angle to the deck lid, (**see diagram below**), drill a  $\frac{5}{32}$ " hole through the top panel of the deck lid and continue drilling through the secondary panel. Refer again to the diagram below to see where the drill should exit.

Next, using a  $\frac{5}{8}$ " hole saw, open the three (3) pilot holes that you made in the secondary panel to be  $\frac{5}{8}$ " in diameter. This will give you access to the top panel of the deck lid later on in the installation.  $\frac{5}{8}$ " black hole caps have been provided to cover these holes when the installation is finished.



Repeat on other two holes (not shown).

7. **See diagram below.** Using a  $\frac{5}{32}$ " drill bit, drill a  $\frac{5}{32}$ " pilot hole in the exact center of each of the outermost round factory fastening holes. Next, using a uni-bit (recommended for a cleaner cut), open the five (5)  $\frac{5}{32}$ " pilot holes to  $\frac{3}{8}$ ".



Drill  $\frac{5}{32}$ " pilot holes in the exact center of the factory starter hole. Open pilot hole to  $\frac{3}{8}$ ".

8. Apply touch-up paint or zinc chromate primer to the edges of the five (5)  $\frac{3}{8}$ " holes in the top panel.
9. Place Sportwing® back onto the outline marks of the deck lid and check to see if the five (5) mounting holes in the deck lid align with the five (5) fastening holes in the bottom of the mounting area. If holes do not align, you may have to enlarge the holes in the deck lid to the next size.
10. If you are satisfied with the alignment, using a ratchet with a  $\frac{3}{8}$ " socket, install the black stainless steel fastening screws with black lock washers and black flat washers **ONLY HALFWAY** into each of the outermost fastening holes. These will hold the spoiler in place so that you can align the three (3) fastening screws inside the innermost fastening holes. Repeat fastening procedure using three (3) shiny zinc mounting screws with shiny lock washers and flat washers. When all five (5) screws are started, tighten the inside mounting screws first, then tighten the outer screws. Tighten evenly until snug, but **DO NOT OVERTIGHTEN**.