

## DAWN ENTERPRISES INC.

9155 Sweet Valley Dr., Valley View, OH 44125  
Phone: (216) 447-1777 or (800) 548-4867  
Fax: (216) 447-3416  
www.Dawn-Ent.com

## INSTALLATION INSTRUCTIONS

PART NUMBER: CHALL-R  
FOR: 2009 + Dodge Challenger  
EFFECTIVE: 05.18.10

### PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

#### INSTALLATION PACKAGE INCLUDES:

- A) Alcohol Wipes
- B) 5 – Paper Hole Locators – turn Sportwing upside down and place the paper hole locators centered exactly over the (5) five fastening holes
- C) 5 – M6 x 5/8"
- D) 5 – Lock Washers
- E) 5 – Flat Washers
- F) 5 – Tape Gaskets – to be placed over mounting holes made in Step #6
- G) 1 – Instruction Sheet

#### Extra Tools Needed:

- 1. 1 Grease Pencil (China Marker)
- 2. 1/8" or Similar Drill Bit
- 3. Uni-Bit – Makes a cleaner cut

#### 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

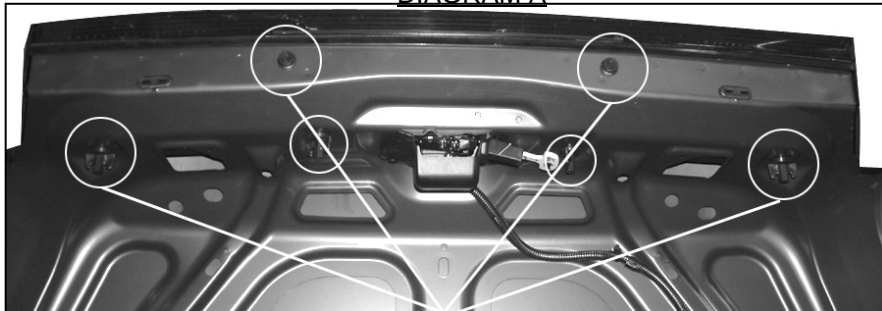
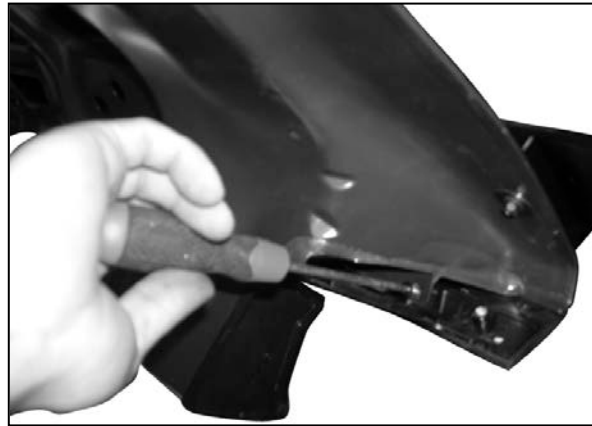


DIAGRAM B



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

**DIAGRAM C**



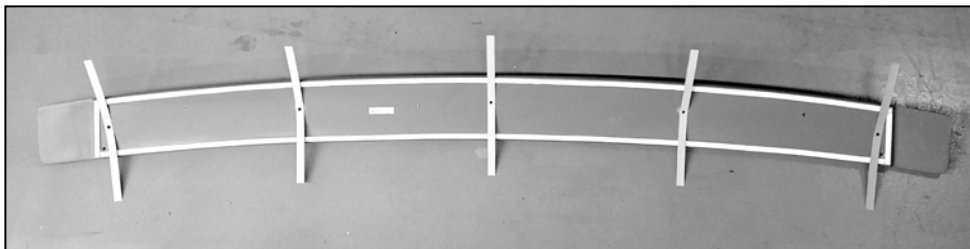
Use the T-15 torque driver to remove torque screw.

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 five (5) provided paper hole locators and remove their paper backing to expose the adhesive. Locate the five (5) INNERMOST mounting holes on the bottom of the Sportwing® and place the cut-out hole locator centered exactly over these five fastening holes. **See diagram below.** A piece of masking tape can hold the hole locators in place.

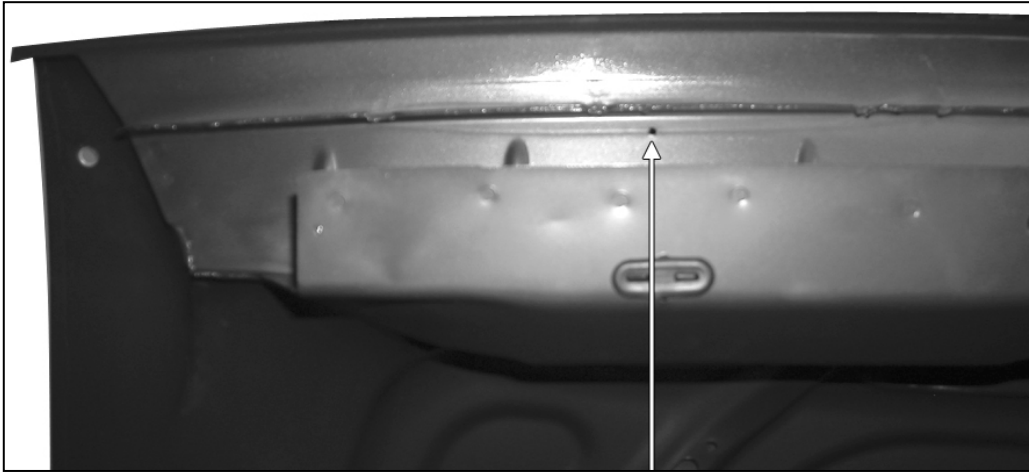
Making sure the hole locators do not move, flip the Sportwing® over and place it back onto the grease pencil marks you made in Step 2.



5. When the Sportwing® is centered on the outline marks from Step 2 and making sure the five (5) paper hole locators did not move, tape all five (5) 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.

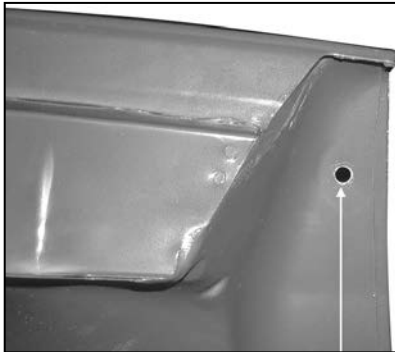
- Using the extra-long  $\frac{5}{32}$ " drill bit and holding the drill straight down at a  $90^\circ$  angle to the deck lid, (**see diagram below**), drill a  $\frac{5}{32}$ " hole through the top panel of the deck lid and continue drilling through the secondary panel. Refer again to the diagram below 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 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).

- 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  $\frac{3}{8}$ ".

- Apply touch-up paint or zinc chromate primer to the edges of the five (5)  $\frac{3}{8}$ " holes in the top panel.
- 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.
- If you are satisfied with the alignment, install the five (5) M6 x  $\frac{5}{8}$ " screws with five (5) flat washers and five (5) lock washers into the 5 (five) mounting holes. 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**.
- If you have any questions, or if you would like information about other quality Sportwing® products, please call the toll-free number at the top of this sheet. Thank you for choosing Dawn Enterprises Inc.