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INSTALLATION INSTRUCTIONS

PART NUMBER: ALT16-FM
FOR: 2016 + NISSAN ALTIMA
EFFECTIVE: September 14, 2018

INSTALLATION PACKAGE INCLUDES:

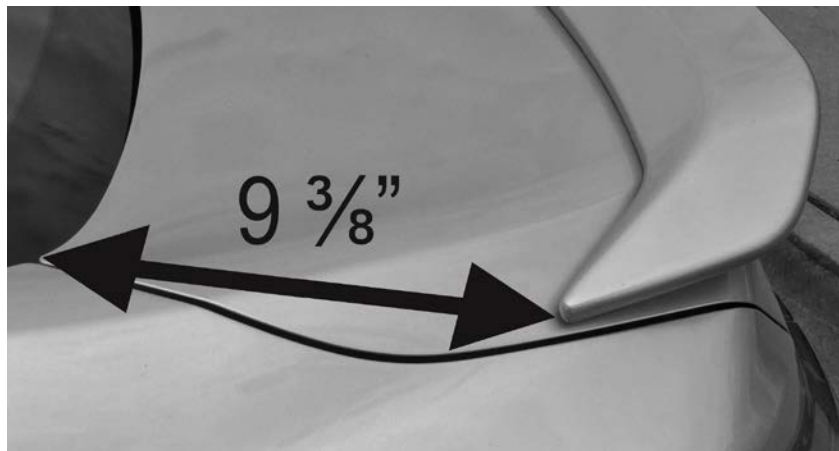
- A) 5 – Paper Hole Locators. (four for the fastening holes – one for the harness wire hole.)
- B) 4 – M6x5/8"
- C) 4 – Flat Washers
- D) 4 – Lock Washers
- E) 2 – 3/4" Hole Caps
- F) 2 – Red Electrical Connectors
- G) Instruction Sheet
- H) Adhesive Pads (for an unpainted Sportwing®)

Important Tools Needed: 1/8" Drill bit or similar, 3/4" Hole Saw, masking tape, Uni-Bit when drilling fastening holes later in installation. (see Step # 8)

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

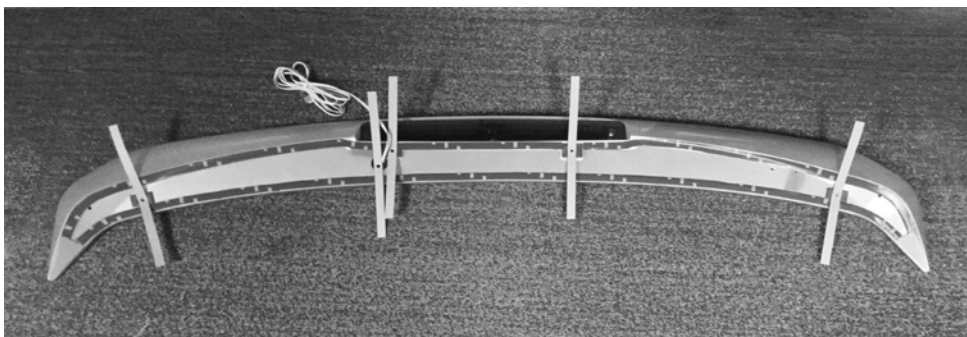
1. **REMOVE TRUNK LINER.** Starting on the driver's side, measure down 9 3/8" from the tip of the trunk lid back toward the rear of the car and place a mark with a grease pencil. Repeat procedure on other side. **See Diagram A.**

Diagram A.



2. Leaving the red plastic liner on bottom of mounting feet, place the Sportwing® on the marks made in Step #1 so that as you face the rear of the car, the front tips of the Sportwing® rests on the marks. Center the Sportwing® from left to right along the marks made in Step #1. Using a grease pencil, outline each outer mounting area.
3. Remove the Sportwing® turn upside down. **Note: place a soft cloth down so you do not scratch the top painted surface of wing.** Using the five (5) paper hole locators provided. Perfectly center each locator over the four (4) fastening sleeves and one (1) center over the wiring harness hole. **Note: A small piece of masking tape is helpful in holding hole locators in place.** See Diagram B.

Diagram B.



- a. Still leaving the red plastic liner on bottom of mounting area, carefully flip the Sportwing® over, leaving the hole locators still fastening to the fastening sleeves and harness hole. **Note: Make sure none of the locators have moved.** Place the Sportwing® back onto the outlining marks that you made in Step #2.
4. Using masking tape, secure HOLE LOCATOR STRIPS to deck lid of vehicle. Carefully remove the Sportwing® by lifting straight up, leaving HOLE LOCATORS secured to deck lid.
5. Using a 1/8" or similar drill bit, drill through the exact center of each of the five (5) HOLE LOCATORS. Holes #1 and #5 will go through to the secondary panel. The holes made in the secondary panel will be opened up to 3/4" using the hole saw, to access spoiler fasteners. All other holes will go through the top panel of the deck lid only. Remove paper hole locators after drilling the seven (5) 1/8" pilot holes. Next, using a Uni-bit (we insist on using a Uni-bit for a cleaner cut) Using Uni-bit and making sure that you do not drill 1/8" pilot hole any larger than 7/16", open up all five (5) 1/8" pilot holes to 7/16".
6. Apply touch up paint or zinc chromate primer to the edges of the five (5) 7/16" holes made in the top panel of the deck lid.
7. Peel the red plastic liner from the tape at the bottom of Sportwing®. Next, feed the brake light wires of the Sportwing® through the 7/16" harness hole made in the top panel of deck lid. Be careful not to crimp the brake light wires as you position the Sportwing® for installation. Lightly place the Sportwing® back onto the outline marks that you made in step # 2. Open the deck lid making sure that the fastening sleeves of the Sportwing® align with the 7/16" holes made in top panel of deck lid. Install mounting screws provided with lock washers and flat washer into each fastening sleeve and tighten. (Do not overtighten.)
8. See Diagram Below for wiring hook-up. **DIAGRAM C Sportwing harness wire hook up:** Using electrical connectors provided, connect the solid white (*hot*) wire of the Sportwing® to the blue wire behind factory plug. **NOTE:** you will need to cut away casing to behind factory plug to expose wires. Next, connect the white with blue strip (*ground*) wire of the Sportwing® to the black wire behind plug. Check connections by stepping on the brake pedal.

