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INSTALLATION INSTRUCTIONS

PART NUMBER: SON11
FOR: 2011 + Hyundai Sonata
EFFECTIVE: 04.15.10

INSTALLATION PACKAGE INCLUDES:

- A) 4 – Threaded Bolts
- B) 4 – Flange Nuts
- C) 2 – Electrical Connectors
- D) 2 – Black Hole Caps
- E) ¼" Wire Harness
- F) 1 – template (*drivers side – flip template over for passenger side – you do not need to drill for harness hole on passenger side – only the two fastener holes*)
- G) Adhesive Pads (*for unpainted Sportwing®*)
- H) Instruction Sheet

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

1. Remove trunk liner. Open the trunk and place a protective cover inside the trunk to capture any metal shavings.
2. Starting on the drivers' side, measure down **9 – 5/8"** from the front corner of the trunk lid where it meets the rear window glass and make a mark. **See Diagram A on back of sheet.** Repeat on passenger side.
3. Leaving the paper liner on the bottom of the mounting feet, place the Sportwing® on the marks made in Step #2, **see Diagram A on back of sheet**, so that as you face the rear of the car, the front tips of the Sportwing® rests on the marks. Center the Sportwing® exactly from left to right. Use a grease pencil to outline both mounting feet.
4. **See Diagram B on back of sheet.** Then, starting on the drivers' side, measure down **11"** from the front corner of the trunk lid where it meets the rear window glass and make a mark. Link up the template, provided, with the edge of the trunk at the 11" mark.
5. Using a 5/32" drill bit, drill down through the spots indicated on the template, see template for drilling instructions (**NOTE: after drilling pilot hole for wire harness, you will need to open the harness hole to 3/8" using a uni-bit. We suggest using a uni-bit for a cleaner cut.**) Drill the harness hole through the top panel only. When drilling the two fastener holes per side, you will need to drill the outer-most hole on the template through the top panel and continue drilling straight down through the secondary panel. When drilling inner-most fastening hole on template, you will only need to drill through the top panel only. There is a factory cut out in the secondary panel to give access to the top panel later in the installation. Flip template over for passenger side and drill only the two fastener holes on the template. No harness is needed on the passenger side.
6. Open the trunk. Using a 5/8" hole saw, open up the pilot hole drilled in the secondary panel to 5/8". This will give you access for your socket wrench later. Repeat procedure on other side.
7. Close the trunk. Screw the threaded bolts provide into the Sportwing® in all four locations. Remove the paper liner from the bottom of the mounting feet and feed the brake light wires through the harness hole made in Step #5 (**NOTE: be carefully not to crimp the brake light wires as you position the Sportwing® for installation**). Place the Sportwing® back onto the grease pencil outline marks made in Step #3 and press firmly into place.
8. Open the trunk. Using a ratchet with #11 metric socket, install flange nuts and tighten firmly. **DO NOT OVER TIGHTEN.** Using the black hole caps, provided, cover the holes in the secondary panel. Repeat procedure on other side.
9. Run the Sportwing® wires toward the drivers' side trunk hinge and run the Sportwing® wires into the ¼" wire harness, provided. Then, using black electrical tape, fasten the ¼" wire harness neatly along the drivers' side trunk hinge (**NOTE: be sure to leave enough slack in the wire to allow opening and closing of the trunk**). Next, run the wires inside the drivers' side trunk panel toward the drivers' side taillight assembly. Using the electrical connectors, provided, connect the hot (red) wire of the Sportwing® to the red wire. Next, connect the ground (black) wire of the Sportwing® to the black wire. Check connections by stepping on brake pedal.

10. Clean up all metal shavings and you are done. If you have any questions, problems or if you would like information about other quality Sportwing® products, call the TOLL FREE number at the top of this sheet. Thank you for choosing Dawn Enterprises, Inc.

DIAGRAM A



DIAGRAM B



DIAGRAM C

Approximate area drill bit should exit secondary panel when drilling through the top panel outer-most fastening location. After drilling pilot hole through secondary panel, you will need to open the pilot hole to 5/8" using a hole saw. This will give you access to the top panel, later in the installation.

