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INSTALLATION INSTRUCTIONS

PART NUMBER: RIO
FOR: 2006 + KIA Rio 4 Door Sedan
EFFECTIVE: 02.10.10

INSTALLATION PACKAGE INCLUDES:

- A) 2 – Machine Screws for front mounting holes – M6-1”
- B) 2 – Machine Screws for rear most mounting holes – M6-5/8”
- C) 4 – Lock Washers
- D) 4 – Flat Washers
- E) 2 – 5/8” Black Hole Caps
- F) 2 – Electrical Connectors
- G) 1 – 3/8” Wire Harness
- H) 5 – Paper Hole Locators
- I) Instruction Sheet

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**Open trunk. See Diagram A. Remove the one black factory rubber plug per side.
Replace plugs upon finishing. Close trunk.**

1. **See Diagram B on back of sheet.** Along the drivers’ side, measure down **7 – 3/8”** from the tip of the trunk lid where it meets the rear window glass, back towards the rear of the car and make a mark with a grease pencil. Repeat on passenger side.
2. Place the Sportwing® on the marks made in Step #1. **See Diagram B on back of sheet.** As you face the rear of the car, the front tips of the Sportwing® will rest on these marks. Center the Sportwing® exactly from left to right. Using a yellow grease pencil, outline both outside mounting feet. Set Sportwing® aside.
3. Next, place the Sportwing® upside-down on a soft cloth so you do not scratch the painted top surface. Using five (5) paper hole locators, provided, remove the liner from the hole locator to expose the adhesive, place the cut out hole in hole locator centered exactly over the four (4) threaded sleeves of the fastening feet of the Sportwing® and one (1) hole locator centered over the harness wire hole. **See Diagram C on back of sheet.** Making sure that the hole locators do not move (**NOTE: a small piece of masking tape is helpful in holding hole locators in place**) carefully place the Sportwing® back onto the outline marks on deck lid that you made in Step #2.
4. When Sportwing® is centered on outline marks made in Step #2, and making sure that the five (5) paper hole locators did not move, tape all five (5) hole locators to the deck lid using masking tape. Next, carefully lift the Sportwing® off of the deck lid, leaving the hole locators taped to the deck lid.
5. Using a 1/8” or similar drill bit, drill a 1/8” pilot hole in the exact center of all five (5) hole locators. After drilling pilot holes, remove hole locators from the deck lid (**NOTE: notice after drilling the five (5) 1/8” pilot holes on each side, the holes should align with the factory cut out hole in the secondary panel where you removed the factory black plug in Step #1**). Next, you will need to close deck lid and go back to the 1/8” front pilot hole on each side, place 1/8” drill bit through the 1/8” hole that you already drilled and lifting deck lid slightly so you do not drill into trunk gasket. Continue to drill through the secondary panel of deck lid. Repeat on other side. Next, open deck lid and using a 5/8” hole saw, you will need to open the 1/8” pilot hole that you made in secondary panel to 5/8”. Repeat on other side. This will allow you to get to your top panel later on in the installation when installing screws later. The 1/8” pilot hole for wire harness on drivers’ side should be drilled through the top panel only. Next, using a uni-bit (**NOTE: we suggest using a uni-bit for a cleaner cut**) open the five (5) 1/8” pilot holes that you made in deck lid 3/8”.
6. Apply Zinc Chromate Primer or touch-up paint on the edges of the five (5) 3/8” holes that you drilled in the deck lid.
7. Next, feed the brake light wires of the Sportwing® through the 3/8” harness hole that you made in top panel of the deck lid (**NOTE: be careful not to crimp the brake light wires as you position the Sportwing® back onto the outline marks that you made in Step #2**). The four (4) threaded sleeves of mounting feet of Sportwing® should align with the four (4) 3/8” mounting holes that you made in top panel of deck lid. If 3/8” holes do not align with threaded sleeves of Sportwing® realign or you may need to open 3/8” holes to the next size up.

8. Using mounting screws with lock washers and flat washers, provided, install mounting screws into threaded sleeves and partially tighten all four (4) mounting screws. After all four (4) have been started, tighten evenly until all screws are tight. **DO NOT OVER TIGHTEN.**
9. Run the Sportwing® wires toward the drivers' side trunk hinge. Insert Sportwing® wiring inside wire harness, provided, and using black electrical tape, fasten the 3/8" wire harness, provided, 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 towards the third brake light. Using electrical connectors, provided, connect the hot wire of the Sportwing® to the orange wire. Next, connect the ground wire of the Sportwing® to the black wire.
10. If you have any questions, problems 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.

DIAGRAM A



DIAGRAM B

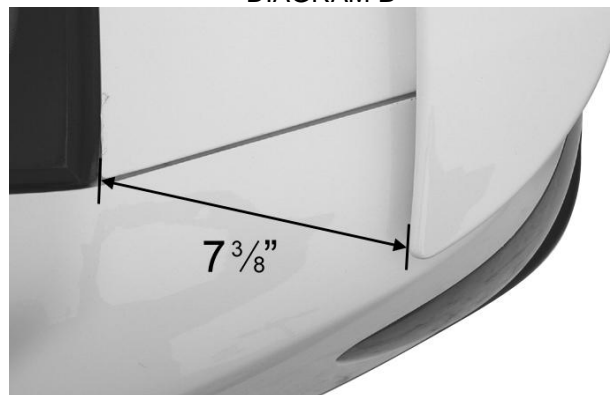


DIAGRAM C

