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WARNING

Before beginning any installation procedure, read all instructions carefully.

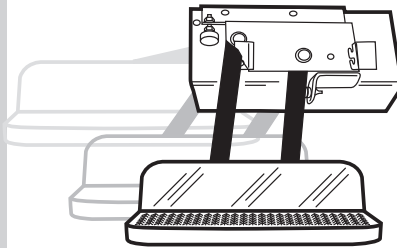
Before drilling any holes make sure there is sufficient clearance on both sides.



CAUTION

Document covers replacement instructions for each part in the SideWINDER Replenishable Repair Kit (PN 950 580 000). Follow only the steps required for individual component replacement. Component re-order part numbers listed on page 4.

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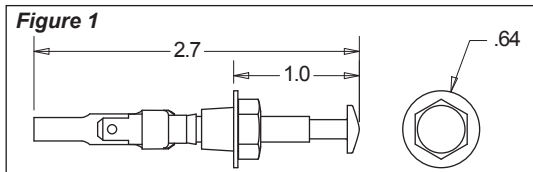
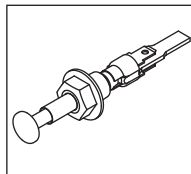


Replenishable Repair Kit Instructions

Self-Adjusting Plunger Door Switch

The Self-adjusting Door Pin Switch may be mounted on the door sill anywhere there is adequate space. See dimensions in **Figure 1**. (NOTE: Be sure there is adequate clearance behind the doorjamb to accommodate the switch motion: approximately 2.5" maximum.) While selecting a switch location consider possible wire routing options.

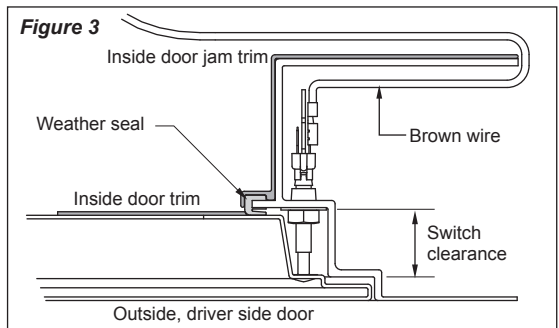
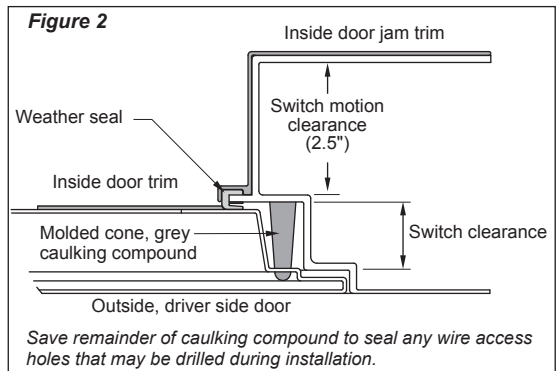
Step 1) After selecting a switch location, determine if enough clearance is available by molding a cone from the grey caulking compound supplied with the kit. Press the wide end of the cone firmly in place on the doorjamb at the proposed switch location (see **Figure 2**.) Close the vehicle door, flattening the pointed end of the cone to show the door clearance measurement. For the step to function properly, the distance between the doorjamb and the door, when closed, must be between 3/8" and 1".



Step 2) Once a suitable area has been located and clearances have been checked, use a center punch to mark switch hole location. Drill a hole using a 1/8" drill bit for a pilot hole, followed by a 11/32" drill bit for final hole. **Do not oversize hole, as the switch is self-tapping.**

Step 3) Install switch in hole and tighten (see note in Step 4.)

Step 4) Route the brown switch wire, as necessary, from the step connector to the back of the switch (**Figure 3**.) Once the proper routing and length has been determined, cut the brown wire to the needed length. Trim 1/4" of insulation off the end of the brown wire and crimp the female terminal to the end of the wire. Connect the terminal to one of the connectors on the back of the switch. (NOTE: If back of switch is not readily accessible after installation, you may need to route the brown switch wire out through the switch hole and connect it to the switch prior to switch installation.)

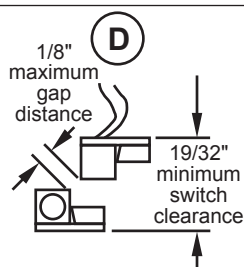
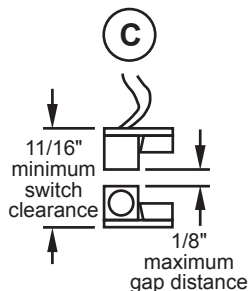
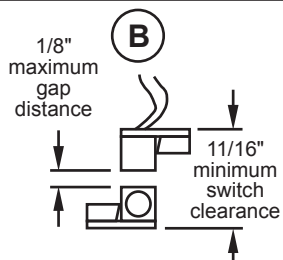
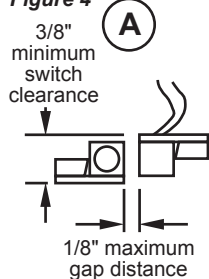




NOTICE

Remove all burrs and sharp edges that could damage the wire casing. Use calking compound to plug holes.

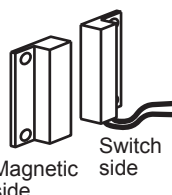
Figure 4



Step 5) Run switch wires inside of the doorjamb or down behind the doorjamb trim, by doing one of the following:

- If available, locate an appropriate plugged opening near the switch location. Remove the plug. Run the switch wires through the opening. Replace the plug.
- Pull the weather seal part way off the doorjamb and run wires under the seal into the cab. Replace seal when complete.

Magnetic Switch



The Magnetic Switch may be mounted on the door sill anywhere there is space, preferably in a flat area. When selecting a switch location, consider possible wire routing options.

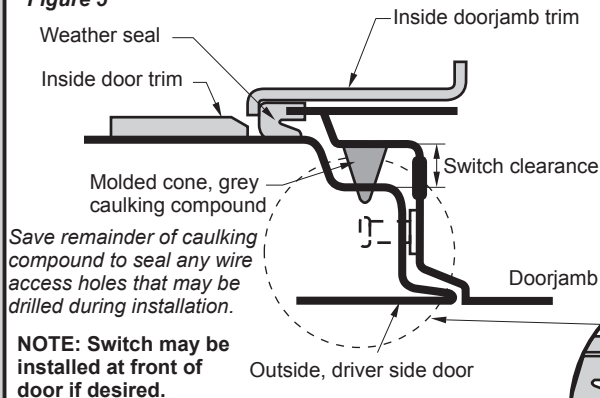
Step 1) After selecting a switch location, determine if enough clearance is available by molding a cone from the grey caulking compound supplied with the kit. Press the wide end of the cone firmly in place on the doorjamb at the

proposed switch location (see **Figure 5**.) Close the vehicle door firmly, flattening the pointed end of the cone to show the switch clearance measurement.

Step 2) To function properly, the maximum distance between the switch side and the magnet side of the switch is 1/8". Minimum switch clearance is the amount of space required to avoid crushing the switch

when the door is closed. See top views shown in **Figure 4** and select the best mounting option for your application.

Figure 5



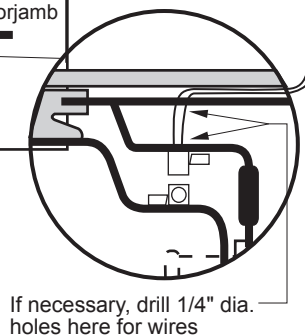
Step 3) Thoroughly clean the switch mounting areas making sure they are free of all wax, dirt, grease, etc. From the switch half (with the wires) peel off the adhesive backing and lightly place switch half on the doorjamb in the location you have selected.

Do not press firmly until you are certain that all alignment is correct with both halves of the switch.

Place the magnetic half of the switch in a similar fashion on the inside edge of the door, opposite the switch half.

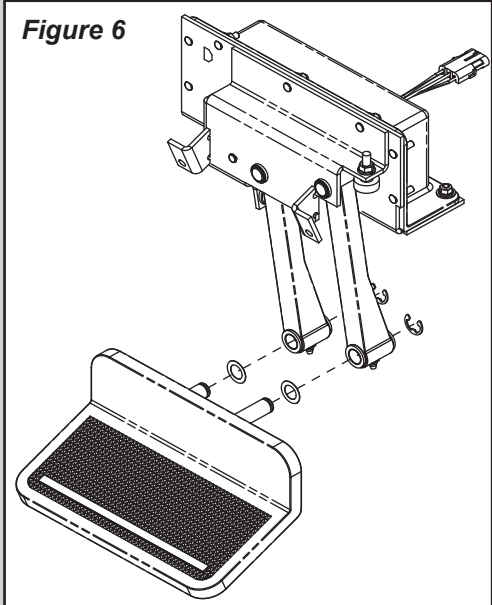
Step 4) Before pressing the switch halves firmly in place, a switch function test is advisable. This may be accomplished with a volt/ohm meter or continuity tester. With the door closed, the meter should read zero (0) (light 'off' if using a continuity tester.) With the door 1-2" open, the meter or tester should respond.

If the switch function test fails, check maximum gap distance and alignment (see **Figure 4**). If switch function test is successful, firmly press both switch halves in place.



Leg, E-Clips & Sensor Clips

Figure 6



To replace step leg, E-clips and/or sector gear, take apart step assembly as shown in Steps 1 through 6. Complete steps in reverse order to re-assemble step.

Step 1) Remove E-clips from tread pins and remove tread from legs as shown in **Figure 6**.

Step 2) Remove 5 -1/4" nuts and washers and 2 carriage bolts from back cover and set cover aside as shown in **Figure 7**.

Step 3) Remove 3 -1/4" nuts and washers from motor mount plate. Remove motor and mount plate assembly as shown in **Figure 8** and set aside.

Step 4) Remove adapter gear and set aside. Remove 5/8" nut from drive leg shaft. Remove sector gear from drive leg as shown in **Figure 9**.

NOTE: On older style steps, remove e-clip and washer from drive leg. Then remove sector gear from drive leg.

Step 5) Remove 1/4" nut holding main frame to front support bracket. Remove main frame from front support bracket as shown in **Figure 10**.

Step 6) Remove drive leg from frame as shown in **Figure 11**.

Replace any or all parts needed and reverse order to re-assemble.

Figure 7

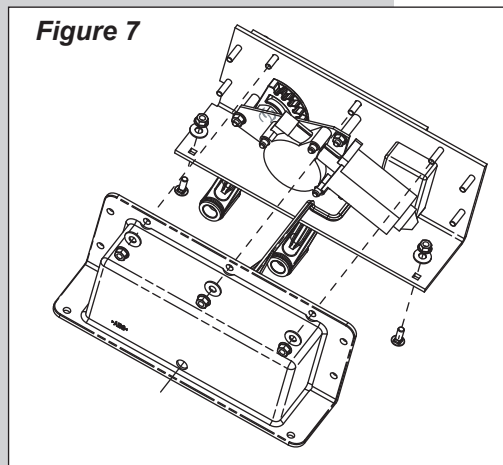


Figure 9

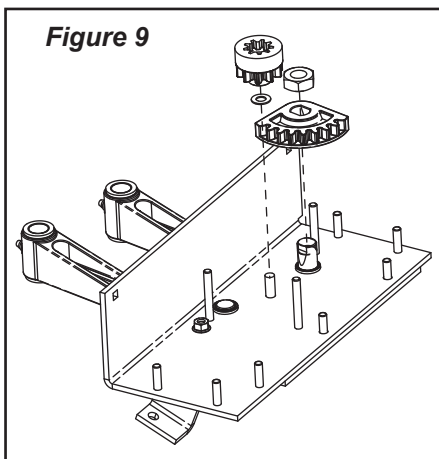


Figure 10

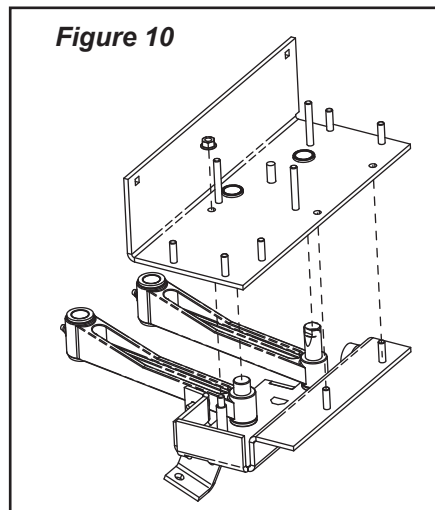


Figure 8

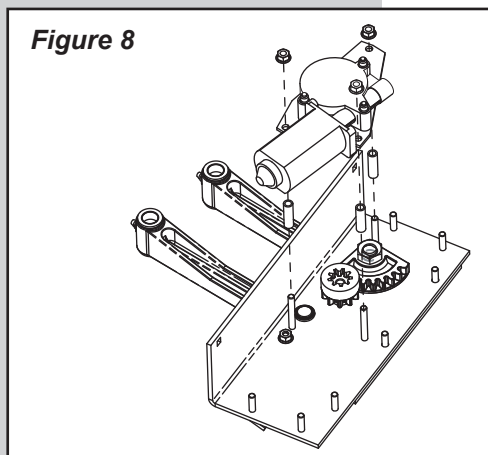
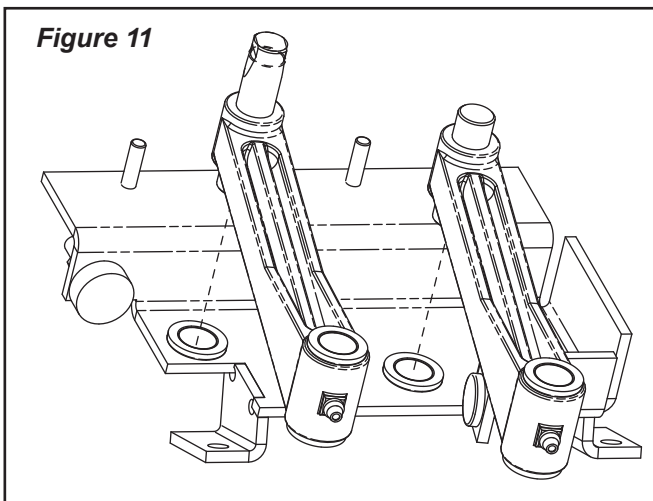


Figure 11



Part Numbers for Re-ordering

Order Qty.	Description	# in Kit	# in Re-order	Part Number
1	Replenishable SideWINDER Repair Kit	1	1	950 580 000
1	Leg (1)	1	1	950 580 120
1	E-clips for leg	2	2	950 560 000
1	Driver side gear	1	1	950 550 205
1	Passenger side gear	1	1	950 550 206
1	Self-adjusting plunger style door switch*	2	1	950 580 110
1	Magnetic style door switch	1	1	950 531 200
1	Package of fasteners**	1 pack	1 pack	950 580 100

*Kit contains 2 plunger-style door switches. Reorder quantity is 1 door switch.

**Package of fasteners contains (1) 5/8" nut and (13) 1/4" nuts and washers.

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