

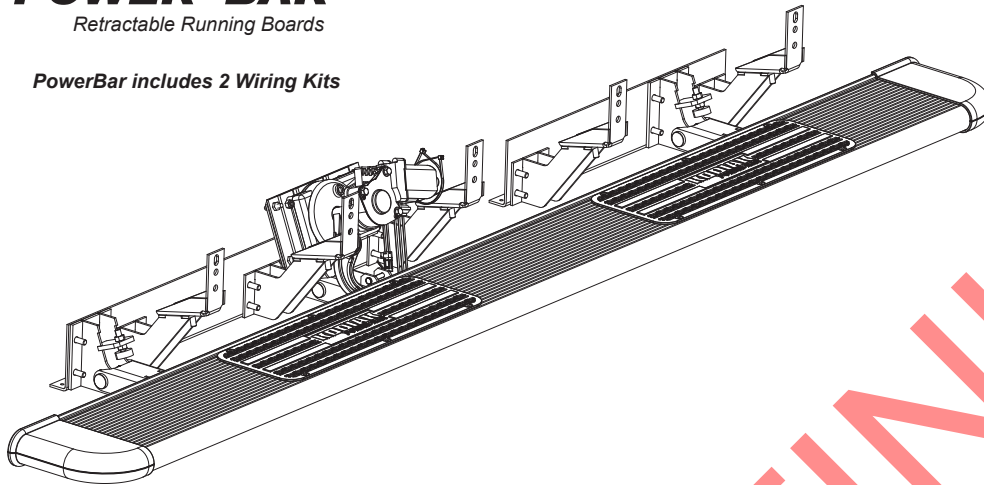
KODIAK

Wiring Instructions

ATTENTION: Before beginning any installation procedure, read all instructions carefully. Before drilling any holes make sure there is sufficient clearance on both sides.

POWER BAR™ Retractable Running Boards

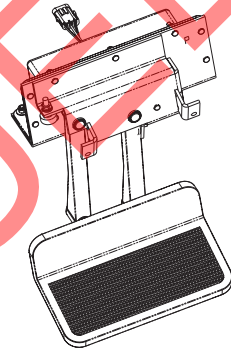
PowerBar includes 2 Wiring Kits



Mounting brackets may vary depending on kit for vehicle year/model.

SideWINDER™ Retractable Steps

SideWINDER includes 1 Wiring Kit



Mounting brackets may vary depending on kit for vehicle year/model.

Self-adjusting Door Pin Switches

The following are general instructions for positioning and mounting the self-adjusting door pin switches (pin switch) included in the wiring kit. The instructions apply to all vehicles and, as vehicles vary, you may need to adjust the application slightly to fit your vehicle.

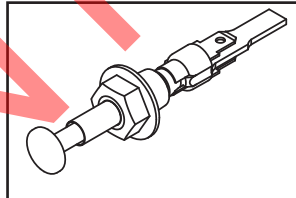
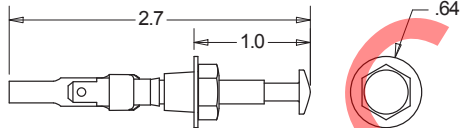
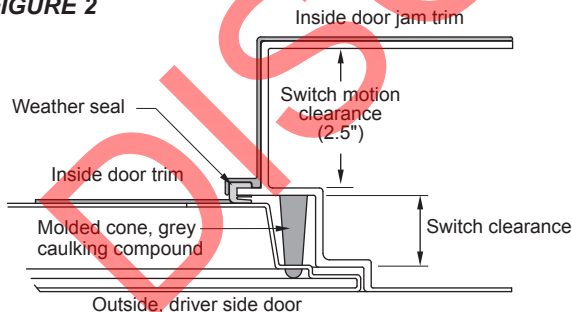


FIGURE 1



The pin switch may be mounted on the door sill anywhere that there is adequate space. See dimensions in **FIGURE 1**. While selecting a pin switch location consider possible wire routing options.

FIGURE 2



Save remainder of caulking compound to seal any wire access holes that may be drilled during installation.

NOTE: Be sure there is adequate clearance behind the door jamb to accommodate the switch motion - approximately 2.5" maximum.

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 door jamb 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 door jamb and the door, when closed, must be between 3/8" and 1".

Each kit contents:

- 2 Door pin switch
- 1 Caulking compound
- 2 1/4" push-on terminal
- 1 Wire harness
- 2 5/16" yellow ring terminal
- 3 Yellow butt connector
- 1 20 amp fuse
- 2 5/16" hex nuts
- 2 5/16" flat washers
- 1 8' wire loom
- 1 Inline fuse block
- 6 Wire ties

Tools required:

- Safety glasses
- 7/16" and 1/2" combination wrench and socket
- 3/16" Allen wrench
- 3/8" or 1/2" drive electric drill
- Drill bits: 1/8", 5/32", 5/16", 3/8", 11/32"
- Phillips screwdriver
- Wire cutters
- Crimping tool for electrical fasteners
- Measuring tape
- Marker or scribe
- Level
- Hammer
- Center Punch

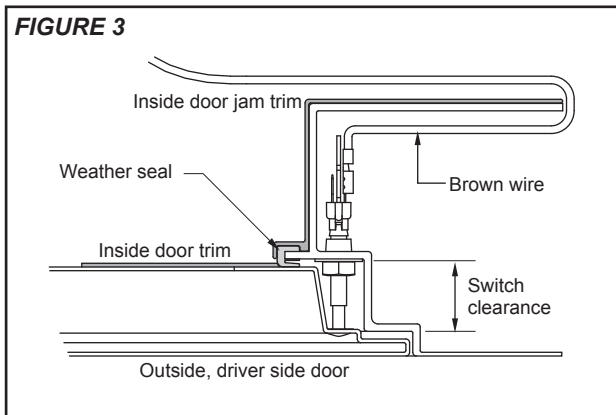
KODIAK
Retractable Steps & Running Boards
230 Davidson Avenue
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www.kodiaksidewinder.com

STEP 2) Once a suitable area has been located and all clearances have been checked, use a center punch to mark the switch hole location. Drill a hole using a 1/8" drill bit for a pilot hole, followed by an 11/32" drill bit for the final hole.

Do not oversize the hole, as the switch is self-tapping.

FIGURE 3



Step 3) Install switch in hole and tighten. See note in **Step 4**.

Step 4 for SideWinder Step) Route the brown switch wire, as necessary, from the step connector to the back of the switch (see **FIGURE 3**.) Once the proper routing and length have 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.

Step 4 for PowerBar Running Board) Route the brown switch wire, as necessary, from the wire harness connector to the back of the switch, using a yellow butt connector to configure front and rear switches in parallel (see **WIRING SCHEMATIC B, Page 4**.)

Once the proper routing and length has been determined, cut the brown wire to the 3 needed lengths:

- Length 1 = Wire harness to yellow butt connector
- Length 2 = Yellow butt connector to front pin switch
- Length 3 = Yellow butt connector to rear pin switch

Trim 1/4" of insulation off the end of each brown wire and crimp one end of the yellow butt connector to Length 1. Twist the ends of wire Length 2 and wire Length 3 together and crimp to open end of yellow butt connector.

Crimp the free end of wire Length 2 to the female terminal of the front pin switch. Crimp the free end of wire Length 3 to the female terminal of the rear pin switch.

On front pin switch, connect the terminal to one of the connectors on the back of the switch; repeat for rear pin 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.

Step 5) Run switch wires inside of the door jambs or down behind the door jamb trim by doing one of the following:

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

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

Electrical Installation

NOTE: See wiring schematics on page 4.

Step 6) Plug the wire harness male connector to the connector on the rear of the Kodiak unit.

Step 7) Route the red and green wires along the vehicle frame or body features up to the engine compartment near the vehicle battery. Avoid any moving or hot engine exhaust parts.

Step 8) Crimp a yellow 5/16" ring terminal to one end of the in-line fuse holder supplied with wiring kit and a yellow button connector to the other end.

Step 9) Cut the red and green wires to length so they can each reach the correct battery terminal. Strip 1/4" of insulation from each.

Step 10) Crimp a yellow 5/16" ring terminal to the end of the green wire and attach to the negative (-) side battery clamp using a 5/16" hex nut and flat washer.

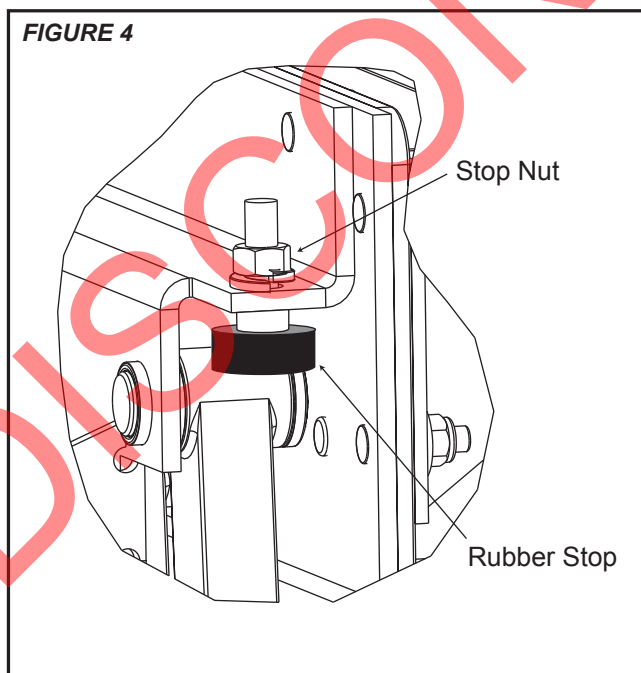
Step 11) Connect the red wire to the fuse holder butt connector and attach the ring terminal to the positive (+) side battery clamp using a 5/16" hex nut and flat washer.

Step 12) Beginning with the positive (+) side, replace the battery cables on the battery.

Step 13) Install a 20 amp fuse in the fuse holder. **NOTE: Kodiak unit may actuate as soon as the fuse is in place. Be sure all obstacles are out of the way.**

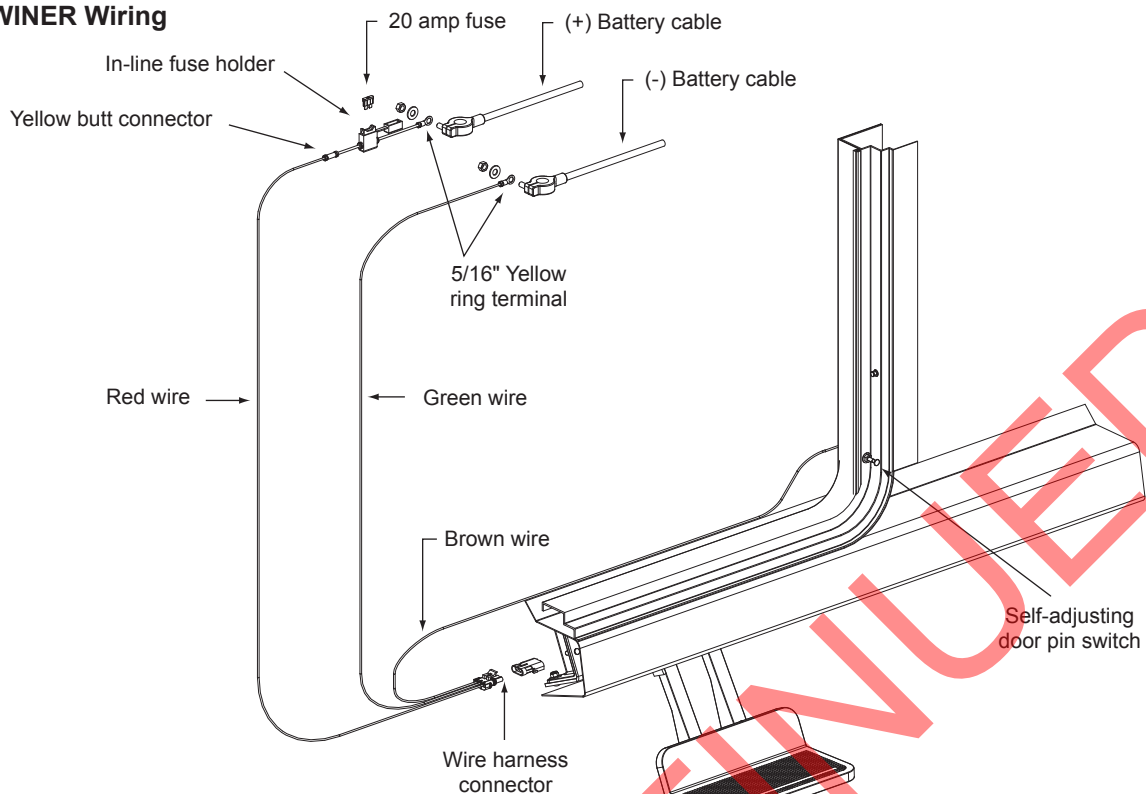
Step 14 (SideWINDER Steps Only) Adjust the rear stop as necessary by loosening the stop nut shown in **FIGURE 4**. With the step retracted check for 1/8"-1/4" clearance between the bottom of the floor pan weld flanges and the top of the step.

If adjustment is needed, open the vehicle door to extend the step and hand adjust the rubber stops until proper clearance is achieved. Tighten the stop nuts to keep the rubber stops in position.

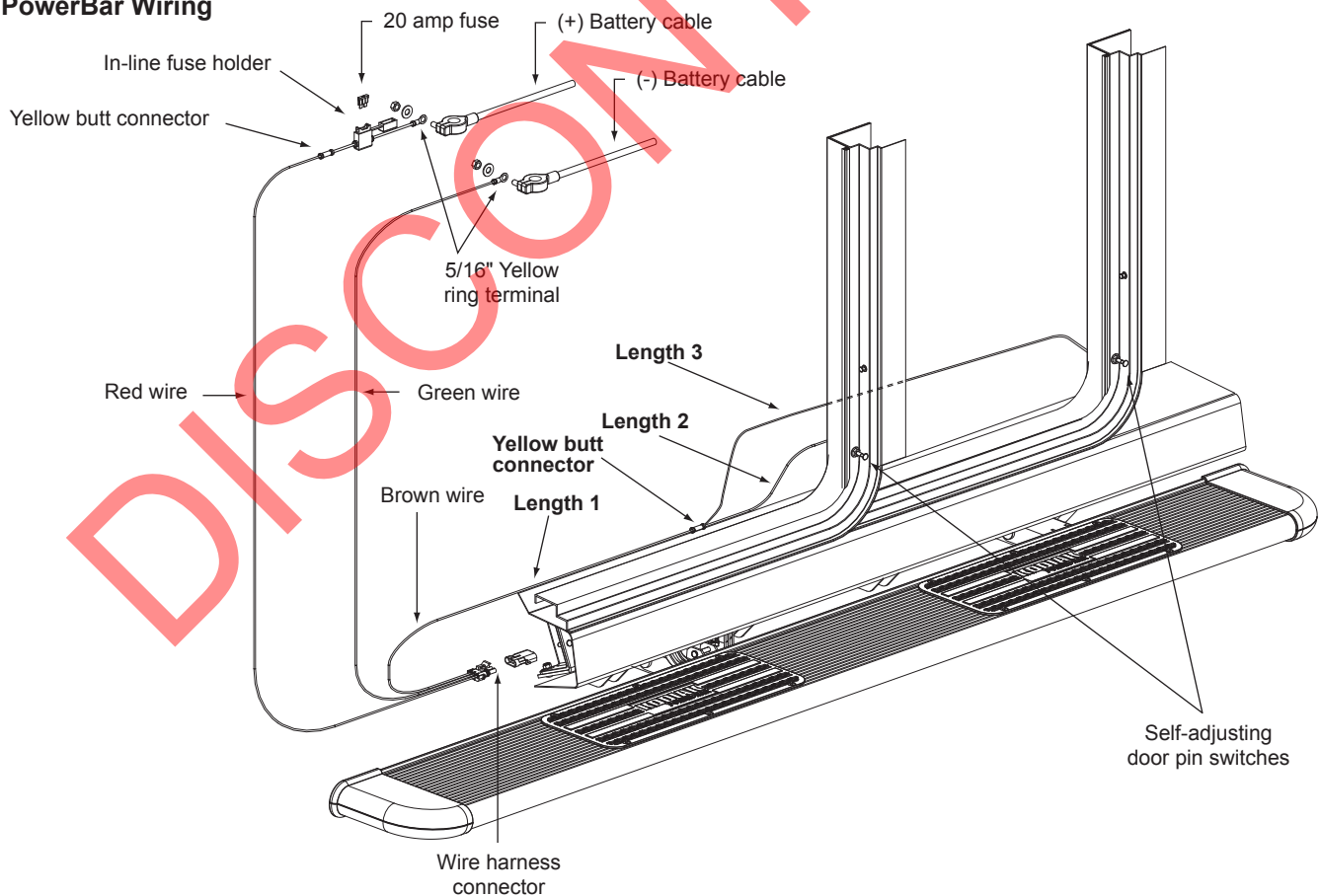


Wiring Schematics

SideWiner Wiring



PowerBar Wiring



This document has been modified from the original Kodiak 02/06 release. All former references to the Kodiak warranty and contact information were removed.

**For all concerns or questions, please contact
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