



STEP BOARD KIT #27-1445 INSTALLATION INSTRUCTIONS

APPLICATION: 2003-UP HONDA PILOT
2002-UP ACURA MDX

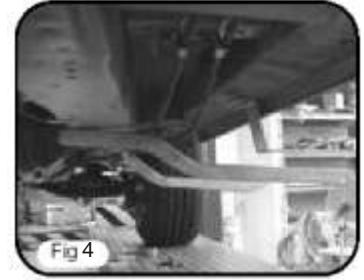
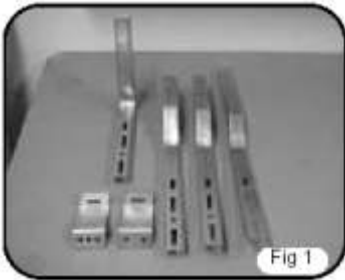
AUTOMOTIVE PRODUCTS, INC.

**CAUTION:
BEFORE BEGINNING
THIS INSTALLATION
PROCEDURE.
READ THROUGH
INSTRUCTIONS
CAREFULLY AND
COMPLETELY**

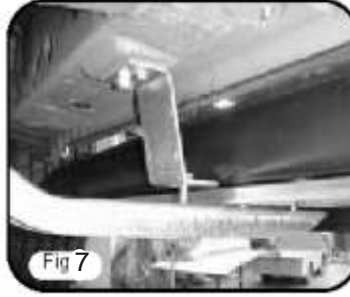
HARDWARE KIT

16	5/16-18 X .75 SQUARE HEAD BOLT	44	5/16 SAE WASHER
24	1/4-14 X .75 TEK SCREW	24	5/16 NYLOCK NUT
8	5/16 HEX HEAD BOLT	12	M8X20MM HEX HEAD BOLT
2	MAIN FRONT BRACKET	2	MAIN MIDDLE/FRONT BRACKET
2	MAIN MIDDLE/REAR BRACKET	2	MAIN REAR "L" BRACKET
4	FRONT/REAR PINCH WELD HANGER	4	MIDDLE PINCH WELD HANGER

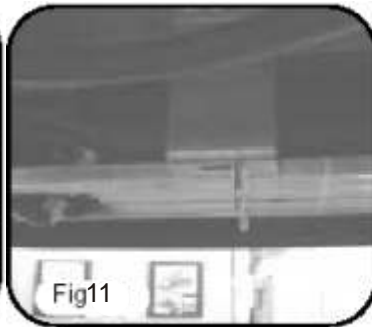
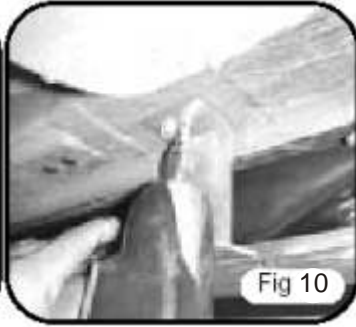
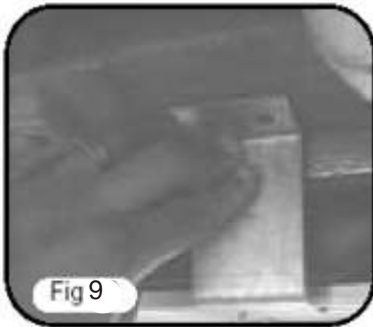
- STEP 1. Remove the contents from the box and check for any damage. Verify all parts against the parts list. Read and understand instructions completely before beginning installation. See Figure 1.
- STEP 2. On the underside of the vehicle and starting from the front, there are three factory hole locations. Use these locations 2 and 3 when installing the brackets. See Figure 2.
- STEP 3. Remove the pushpins from factory locations 2 and 3 by pushing on the center of the pushpin and pulling out the pushing. This will allow you to gain access to the threaded holes.
- STEP 4. Install the middle pinch weld plate hanger in locations 2 and 3. Use (2) 8mm bolts and (2) 5/16" washers per location. Tighten all bolts at this time. See Figure 3.
- STEP 5. Hang the main middle front and main middle rear brackets from the factory locations on the sub frame of the vehicle and align bracket with the pinch weld hanger using (1) 8mm bolt and (1) 5/16" washer. Leave loose. See Figure 4.



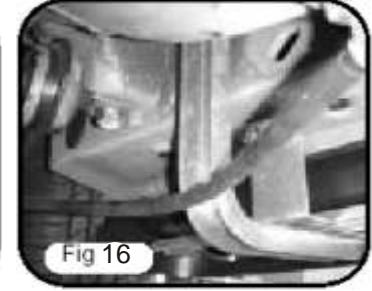
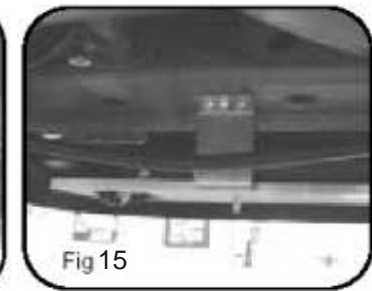
- STEP 6. Apply eight square head bolts to the running board into the appropriate slots in the aluminum. Once this is complete, position the running board onto the brackets. See Figures 5 and 6.
- STEP 7. Use 5/16" hex head bolts, washers and nylock nuts to attach the main brackets to the pinch weld hangers. Tighten up the brackets to adjust the height of the running board to the vehicle. See Figure 7.
- STEP 8. From the underside of the vehicle and from the front mud flap, measure back and mark 9 1/2". See Figure 8.



- STEP 9. Install the pinch weld hanger using (3) tek screws. Make sure that the bottom of the pinch weld hanger is leveled with the bottom of the aluminum of the running board. NOTE: It is critical that the hanger and the aluminum are level. See Figures 9 and 10.
- STEP 10. Align the square head bolts in the running board with the pinch weld hanger. Hang the main front brackets from the pinch weld hanger. Use a 5/16" hex head bolt, washer and nylock nut to attach. See Figure 11 and 12.



- STEP 11. On the inner side of front main bracket in location 1, install (3) tek screws to secure the bracket to vehicle. NOTE: Drill 1/8" pilot holes before installing the tek screws. See Figure 13.
- STEP 12. Measure back from location (3) 8 1/2" to find location (4) for the pinch weld hanger. See Figure 14.
- STEP 13. Repeat Step 9 of the instructions to install the pinch weld hanger in location (4).
- STEP 14. Align the square head bolts in the running board with the pinch weld hanger. Hang the main rear "L" bracket from the pinch weld hanger using a 5/16" hex head bolt, washer and nylock nut. Tighten the bracket at this time. See Figures 15 and 16.



- STEP 15. On the backside of the main rear bracket, install (3) tek screws to secure the bracket to the vehicle.
- STEP 16. Now position the running board to the vehicle, use (8) 5/16" nylock nuts and washers to secure the board in place. Make sure to adjust the board to the appropriate location on the vehicle. Tighten all of the remaining brackets. Repeat these steps on the other side to complete your installation. See Figure 17.



INSTALLING THE LIGHTS & WIRING HARNESS TO YOUR STEP BOARDS (FOR LIGHTED VERSION)

NOTE: Look for the power wire in the passenger side kick panel (white/blue stripe - constant power) (Trigger wire is in the A pillar passenger side - black/blue stripe with silver dots).

- STEP 17. A three piece wiring harness is included with the Lighted Step Board. The harness includes four (4) light sockets and three plugs. Carefully plan a wire route from the right side Step Board to the left. Then choose a pass-through point (floor board to inner cab) for the wire harness. NOTE: WESTIN RECOMMENDS YOU USE A PROFESSIONAL TO INSTALL THE WIRING HARNESS. SEE STEPS 19-23.
- STEP 18. Attach wire harness and lights. Be sure rubber seals are in place before installation. The rubber grommet around the red and blue wires going into rear sockets should be completely inserted and recessed about 1/4" NOTE: To ensure the longevity of your lights, remove the bulb and place a small amount of white grease into the sockets and replace the bulb. Place a small amount of RTV Silicone where the wires go into the socket. This keeps the sockets dry and adds to longevity. Screw lights into each end of the board and run conduit in center slot of aluminum base board. This will hold harness in place.
- STEP 19. GENERAL TIPS FOR WIRING HARNESS INSTALLATION. NOTE: The light wiring harness installation requires splicing into vehicles electrical system.
- STEP 20. After choosing a pass-through point for cab harness(STEP 17.), follow this sequence: Route long lead harness to short lead harness and plug connectors securely. NOTE:1 Avoid areas of excess heat, vibration, pinch or rotation when securing harness to vehicle.
- STEP 21. Plug open-ended connection into unused connection. Either connector on short lead board harness will work. Route open ended wire harness through truck cab. Find the closest position to door light switch lead wire. Seal pass-through holes with silicone or permanent sealer.
- STEP 22. Connect positive and negative lead wires to vehicle sources (dome light or courtesy light under dash). Use vehicle door switch for ground lead source and appropriate positive lead for supply. NOTE: