



# STEP BOARD KIT #27-1365 INSTALLATION INSTRUCTIONS

APPLICATION: 2001-UP TOYOTA HIGHLANDER

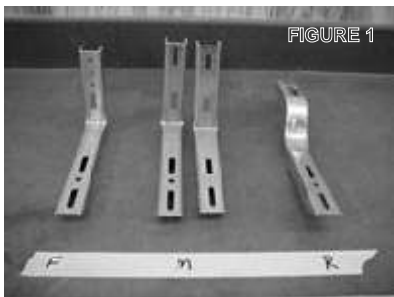
**AUTOMOTIVE PRODUCTS, INC.**

**CAUTION:  
BEFORE BEGINNING  
THIS INSTALLATION  
PROCEDURE,  
READ THOUGH  
INSTRUCTIONS  
CAREFULLY AND  
COMPLETELY**

## HARDWARE KIT

16	5/16-18 X .75" SQUARE HEAD BOLT	6	5/16-18 X .75" HEX HEAD BOLT
22	5/16" SAE WASHER	22	5/16-18 NYLOCK NUT
16	TEK SCREW	4	5/16-18 FLANGE NUTS
2	1/2-13 HEX NUT	2	1/2" SPLIT LOCK WASHER
10	T50RSFO BLACK TIE WRAP	2	1/2 X 2" ANCHOR BOLT
4	1.50" X 1.25" PLASTIC GASKET	2	2.50" X 2.50" PLASTIC GASKET
6	MOUNT PLATE	6	MOUNT BRACKET
2	REAR BRACKET	2	TOW HOOK BRACKET
2	INSULATED MALE CONNECTOR	4	5/16 X 1.00" ANCHOR BOLT

- STEP 1.** Remove the contents from the box and check for any damage. Verify all parts against the parts list. Read and understand instructions before beginning installation.
- STEP 2.** There are front, middle and rear brackets for this vehicle. Front brackets have two holes on the side of the vehicle end of bracket. The holes should face the rear of the vehicle. They are used for the wire harness. SEE FIGURE 1.
- STEP 3.** There are three factory plugs on the inside rocker panel. Starting from the front, remove plugs from locations 2 and 3. SEE FIGURE 2.



- STEP 4.** Starting with the front location, place the mount plate behind the jack location and align with the inside rocker panel and fasten with 2 tek screws. SEE FIGURES 3 AND 4.
- STEP 5.** Secure front bracket to the mount plate using a 5/16" hex bolt, flat washer and flange nut. Leave loose. SEE FIGURE 5.
- STEP 6.** For the two middle locations, align the hole in mount plate with factory rocker panel hole and secure with 2 tek screws. SEE FIGURE 6.



- STEP 7.** For the two middle locations, place the rocker bolt with a plastic tab into the factory rocker hole. SEE FIGURE 7. Push the plastic tab to contact rocker and hold the bolt in place. NOTE: Slide bolt as far up as possible.
- STEP 8.** Attach bracket to rocket panel and mount plate with 5/16" hex bolt and flange nuts. Leave loose.
- STEP 9.** In the rear location, place 1/2" anchor bolt with the larger plastic tab into the factory tie down hole. SEE FIGURE 8.



- STEP 10. Place the provided tow hook into position. Follow that by placing the rear bracket into position. Attach to anchor bolt with ½"lock washer and nut. Leave loose. SEE FIGURE 9.
- STEP 11. Place 4 square head bolts into outer slots and 4 into inner slots of the aluminum support of the board. On lighted running boards, use a center slot to run wiring harness.
- STEP 12. Place the board onto the mount brackets. Center the board and adjust the brackets to the proper height. Fasten the board to the brackets by using 8 nylock nuts and washers. Use 2 tek screws to fasten the front brackets to the rocker panel. SEE FIGURE 10.
- NOTE: If using the lighted boards, you can enter the passenger compartment through the rubber grommet next to the front bracket. SEE FIGURE 11. Use your best judgement in routing the wire harness. The fuse box is under the dash above the passenger sidekick panel. Use the test light to find the hot lead and ground. NOTE: There is a black plug on the right side of the fuse box. Try the violet POS and green with yellow strip for NEG.



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

- STEP 13. 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 15-19.
- STEP 14. 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 15. GENERAL TIPS FOR WIRING HARNESS INSTALLATION. NOTE: The light wiring harness installation requires splicing into vehicles electrical system.
- STEP 16. After choosing a pass-through point for cab harness (STEP 13.), follow this sequence: Route long lead harness to short lead harness and plug connectors securely. NOTE: Avoid areas of excess heat, vibration, pinch or rotation when securing harness to vehicle.
- STEP 17. 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 18. 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: Always use a fused positive (+) power source.
- STEP 19. Test circuit for proper function and connection before tape sealing all exposed wires.

Finish protection - Westin products have a high quality finish that must be cared for like any other exposed finish on the vehicle. Protect the finish with a non-abrasive automotive wax (pure carnauba, for example) on a regular basis. The use of cleaner wax or any compound which contains an abrasive is detrimental, as the compounds scratch the finish and open it to corrosion.

