



# STEP BOARD KIT #27-1405 INSTALLATION INSTRUCTIONS

APPLICATION: 2002-05 SATURN VUE

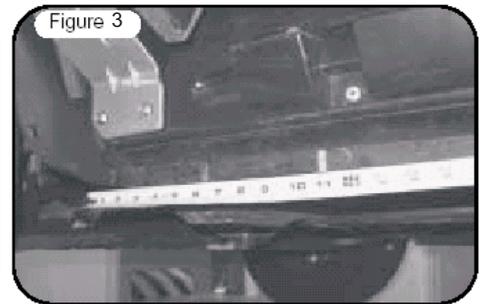
**AUTOMOTIVE PRODUCTS, INC.**

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

### HARDWARE KIT

16	5/16-18 X .75" SQUARE HEAD BOLT	32	5/16" FLAT WASHER
18	1/4-14 X .75" TEK SCREW	32	5/16" NYLOCK NUT
16	5/16" HEX HEAD BOLT	2	1/2" LOCK WASHER
2	1/2" HEX NUT	2	1/2" ANCHOR BOLT
2	FRONT MAIN BRACKET	4	FRONT CENTER BRACKET
2	REAR MAIN BRACKET	8	PINCH WELD BRACKET

- 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.
- STEP 2. For this installation you will be removing and reinstalling the lower body cladding to gain access to the pinch weld of the vehicle. **SEE FIGURE 1.**
- STEP 3. To remove the lower body-cladding, remove the three pushpins on the wheel wells of the vehicle (2 are in the front and 1 is in the rear). There are also five pushpins to remove on the lower part on the body cladding (save the pushpins), you will reinstall at a later time. **SEE FIGURE 2.**
- STEP 4. From the front wheel well on the pinch weld measure back to the rear of the vehicle. Make marks with a marker or grease pen at 12", 31 1/4", 46" and 60 1/2". **SEE FIGURE 3.**



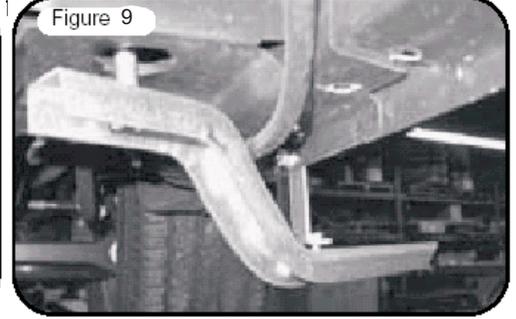
- STEP 5. After marking the suggested locations, there should be four equal marks on the pinch weld. Drill on the center of the pinch weld a pilot hole using 1/8" drill bit and then make it bigger to a 5/16" hole. **SEE FIGURE 4.**
- STEP 6. Use four pinch weld hangers per side. Install the pinch weld hanger using 5/16" hex head bolts, washers and nylock nuts. Make sure to tighten at this time. **SEE FIGURE 5.**
- STEP 7. Reinstall the body cladding and all pushpins from Step 3.
- STEP 8. Install your brackets on the appropriate locations 1, 2 and 3 on the vehicle on the pinch weld hanger using a 5/16" hex head bolt, washer and nylock nut. **SEE FIGURE 6.**



- STEP 9. In location 4, under the vehicle there is one access hole on the floorboard of the vehicle. Use this hole and insert the 1/2" anchor bolt, then hang the rear bracket in place using 1/2" nut and lock washer. **SEE**

## FIGURES 7 AND 8.

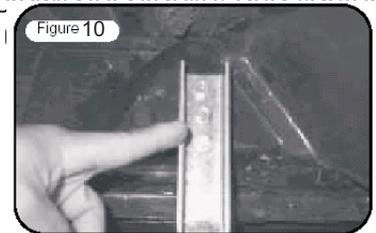
STEP 10. Align the hole in the rear main bracket to the pinch weld hanger and angle the bracket to the rear of the



STEP 11. Attach (8) 5/16" square head bolts to the running board in the appropriate slots in the aluminum and position the running board into the brackets.

STEP 12. Now position the running board on the vehicle. Attach using (8) nylock nuts and washers and adjust the board to the appropriate location. Make sure to tighten all the brackets.

STEP 13. Under the vehicle on the brackets in location 1, 2 and 3. Install (3) TEK screws per bracket and tighten up all the brackets to the vehicle to complete this installation. **SEE FIGURE 10**



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

STEP 14. 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 16-20.**

STEP 15. 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 placing 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 16. **GENERAL TIPS FOR WIRING HARNESS INSTALLATION. NOTE: The light wiring harness installation requires splicing into vehicles electrical system.**

STEP 17. After choosing a pass-through point for cab harness(STEP 14.), 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 18. 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 19. 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. NOTE: For lighted boards, the best place to find the hot lead to the dome light is the driver side windshield pillar.**

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.



Westin Automotive Products, Inc.  
5200 N. Irwindale Ave. Suite 220  
Irwindale, Ca. 91706

Thank You for choosing Westin products  
For additional installation assistance please call  
Customer service (800) 793- 7846 or (507) 375-3559