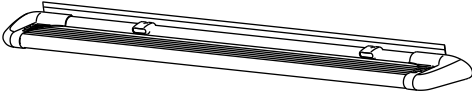
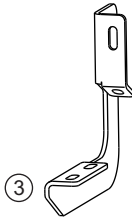
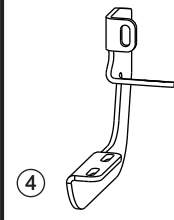
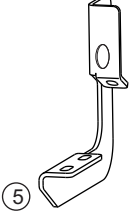




INSTALLATION INSTRUCTIONS

APPLICATION: 2009-12 FORD F-150 SUPER CREW

AUTOMOTIVE PRODUCTS, INC.

MOUNT KIT 27-1885	SURE-GRIP OPTIONAL LIGHT KIT 27-6000				
SURE-GRIP BOARDS 27-6140 27-6145 27-6540	MOLDED BOARDS 27-0020 27-0025	①	③	④	⑤

ITEM	QTY	CONTENTS	TOOLS
1,2	2	STEP BOARD, PASSENGER (1) AND DRIVER (2) (SOLD SEPARATELY)	1/2" SOCKET 1/2" WRENCH 3/4" SOCKET RATCHET TORQUE WRENCH
3	2	FRONT BRACKET	
4	2	CENTER BRACKET	
5	2	REAR BRACKET	
6	10	5/16-18 X 1.00" HEX HEAD BOLT	
7	12	5/16-18 X .75" SQUARE HEAD BOLT	
8	28	5/16" FLAT WASHER	
9	12	5/16" LOCK WASHER	
10	12	5/16-18 NYLOCK NUT	
11	6	EXTRUDED U-NUT	
12	6	5/16-18 HEX NUT	
13	2	1/2" HEX NUT	
14	2	1/2" BOLT PLATE	
15	2	1/2" WASHERS LOCK	
16	2	1/2" FLAT WASHERS	

- STEP 1.** Remove contents from box and check for damage. Verify all parts are present. Read instructions completely before beginning. It is strongly recommended to install the Sure Grip Gap Strip for these vehicle applications.
- STEP 2.** Locate mounting locations as shown. SEE FIGURE 1.
- STEP 3.** Install u-nuts as shown. SEE FIGURES 2 AND 3.
- STEP 4.** Attach mounting brackets as shown. Hand tighten. SEE FIGURES 4 AND 5.
- STEP 5.** ATTACH THE REAR MOUNTING BRACKET BY LOCATING THE LARGE CIRCULAR HOLE IN THE ROCKER PANEL INSERT (1) 1/2" BOLT PLATE INTO THE HOLE AND ATTACH THE REAR BRACKET USING (1) 1/2 FLAT WASHER, (1) 1/2 LOCK WASHER, AND (1) 1/2 HEX NUT, ONCE ATTACHED DRILL A 5/16 HOLE THROUGH THE PINCH WELD AND ATTACH USING 5/16 HARDWARE.
- STEP 6.** Insert square head bolts as shown. (3 per slot, 6 per board). SEE FIGURES 8 AND 9.
NOTE: For lighted boards, run wiring harness prior to attaching board to brackets (refer to Step 8). SEE FIGURES 8,9, AND 10. Run longer wire harness on passenger side.
- STEP 7.** For Sure-Grip Running Boards, slide closure strip as shown. Set lights (if purchased) in appropriate location. Attach to Sure-Grip Running Board as shown. SEE FIGURE 7. Drill hole through plastic strip and run wires as shown. SEE FIGURE 10.
- STEP 8.** Attach board to brackets as shown. Make sure board and brackets are properly aligned and tighten fasteners. Recommended torque values are 10 FT.LBS. for 5/16" square head fasteners, 15 FT. LBS for 5/16" fasteners, 26 FT.LBS. for 3/8" fasteners and 50 ft lbs for 1/2" fasteners. SEE FIGURE 11.
ALWAYS USE A FUSED(+) POSITIVE SUPPLY SOURCE. UNDERCOAT SEAL FOR HARSH WEATHER.
HINT: Step boards: For Longevity, check rubber seals before installation. Rubber grommets around red and blue wires going into rear sockets, should be inserted and recessed about 1/4". NOTE: Remove bulbs and apply white grease into sockets and replace bulbs. Apply RTV Silicone where lights go into socket. Install lights and run wire loom as shown. SEE FIGURE 8. For Sure-Grip Running Boards, run wire loom down center as shown. SEE FIGURE 9.
- STEP 9.** Determine whether your vehicle has a positive or negative switching courtesy system or an auxiliary light source (most Fords). Obtain an accurate wiring diagram for your vehicle's courtesy light system.
For positive and negative switching:
Locate a pass-through point (usually under carpet at driver side door sill) for the wire harness. Locate main courtesy wire (usually wire lead to dome light). NOTE: If you do not use the main courtesy wire, lights will only function when one door is open. Route wire harness so that the 2 female connections (from step board) are nearest to pass thru point.*Connect opposite step board lead to either connection. Connect the splicing lead to remaining female socket and route one wire thru pass thru point. SEE FIGURE 12.
- VERY IMPORTANT -** Double check that your system has positive or negative switching.
For positive switching only: Connect positive wire to main courtesy system, (usually wire lead to dome light). TEST CONTINUITY BEFORE CONNECTING BY OPENING AND CLOSING ALL DOORS. Ground remaining wire.
For negative switching only: Connect negative wire to main courtesy system, (usually wire lead to dome light but sometimes from dome light to courtesy ECU). TEST GROUND CONTINUITY BEFORE CONNECTING BY OPENING AND CLOSING ALL DOORS. Connect remaining wire to battery using a 5A fuse.
**Be sure that you have not routed any wires near moving parts (i.e.. driveshaft) or near any heat generating source (i.e.. transmission, engine, exhaust).
Auxiliary Light source:
Locate auxiliary light source connection under vehicle (usually attached to back side of front or rear fender well (refer to vehicles owners manual). SEE FIGURE 12. TEST SOURCE BEFORE CONNECTING. Connect splicing leads to aux light source. test step board lights for proper function by opening and closing doors.
- STEP 10.** Under-coat board, brackets and electrical wires, connections and lenses for harsh weather conditions. Reinstall plastic cover on

