



TECHNICAL SERVICE INFORMATION

REF: ACCESSORIES
NO: AX001-96
DATE: DECEMBER 27, 1996
MODEL: LX 450

Title **LX 450 RUNNING BOARD INSTALLATION**

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The following contains the installation procedure for the LX 450 Running board and its individual components (all parts are U.S. sourced).

RECOMMENDED TOOLS/MATERIALS:

- 13 mm Socket
- 10 mm Deep Well Socket
- Ratchet
- Torque Wrench
- 10 mm Box End Wrench
- 12 mm Crowfoot Wrench
- 12 mm Box End Wrench
- 13 mm Crowfoot Wrench
- 13 mm Box End Wrench
- Center Punch
- 1/4" Drill Bit
- Drill
- Drill Stop

PART NUMBER INFORMATION:

PART NUMBER	PART NAME
00228-60965-01	Kit, Running Board
00228-00939-01	Platform, Running Board
00228-60962	Pad, Step
00228-60967	Extension, Over fender, RH
00228-60968	Extension, Over fender, LH
00228-60969	Hardware, Over fender Extension
00228-00931	Hardware, Bracket, RH
00228-00930	Hardware, Bracket, LH
00228-00933	Cap, Front End, RH
00228-00934	Cap, Front End, LH
00228-00935	Cap, Rear End, RH
00228-00936	Cap, Rear End, LH

INSTALLATION PROCEDURES

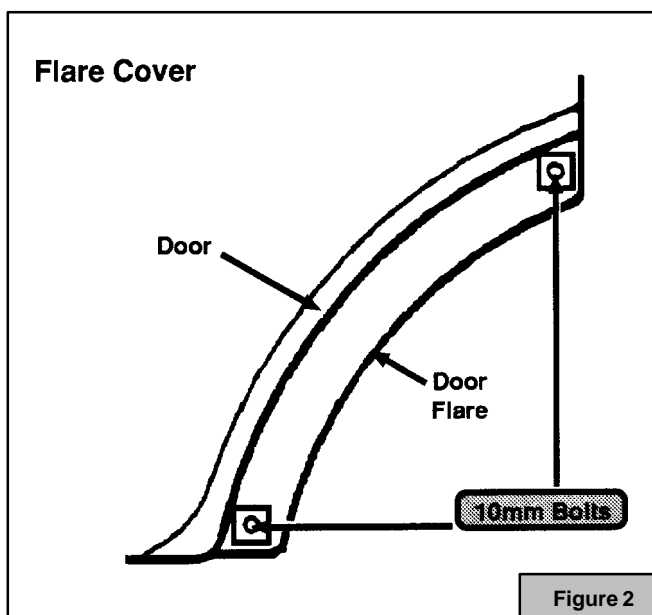
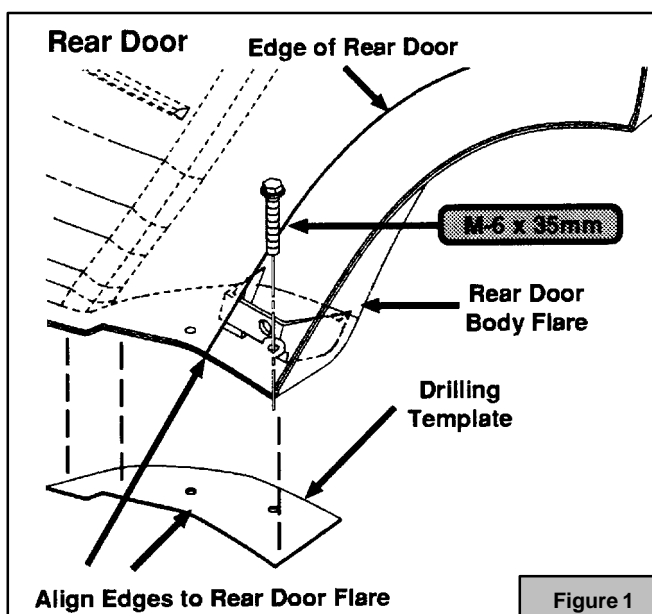
Thoroughly clean all attachment areas and remove any excess undercoating as required to allow proper seating of the brackets. Inspect kit contents to identify components before attempting installation then follow the procedure below for each side of the vehicle.

VEHICLE PREPARATION

Detach the front mudguard from the vehicle by removing the (3) 10 mm mounting screws. The mounting screws are to be saved for use in later steps. Discard the mudguard.

DOOR EXTENSION

1. Each rear door extension is marked on the inside surface to identify the installation location (i.e. RH). Prior to installation, use the drilling template to locate where to drill 1/4 inch holes on the bottom of the vehicle rear door flare as shown in the illustration. Properly place the template on the bottom of the vehicle door flat as shown in figure 1. At the center of each drill hole location on the template, mark the center of each hole with a center punch. Drill previously marked holes through the rear door flare using a 1/4 inch drill bit with a drill stop set to 1/4 inch of penetration.
2. Open rear door and remove the (2) 10 mm bolts that hold the fender flare cover on as shown in figure 2. After the flare cover has been removed insert the M-6 x 35 mm long bolt through the rear hole in the flare as shown in figure 1.
3. Install the door extension bracket into the rear door extension. Place the door extension assembly onto the vehicle flare. Insert the previously installed M-6 x 35 mm long bolt through the flare and into the door extension and loosely install the M-6 nut. In the other drilled hole a plastic push rivet will be used.



DOOR EXTENSION (Cont'd)

First, break off the stem that is connected to the head of the rivet (see figure 3). Put the rivet into the drilled hole and push it inward until the bottom part of the head is flat on the extension bracket. Place the stem in the rivet hole and push it inward until the stem is flat with the top of the rivet head. After the rivet has been secured, tighten the M-6 bolt to 4 ft. lbs. (figure 1).

4. When the bolt for the door extension is secured, carefully place the flare cover back on the flare and reinstall the factory supplied 10 mm bolts (figure 2) into their proper position. Be sure these bolts are secured before closing the rear door to the vehicle.

Plastic Push Rivet

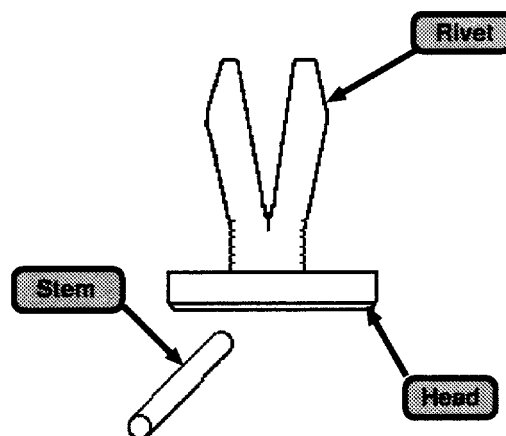


Figure 3

FRONT, MIDDLE, AND REAR BRACKET ATTACHMENT

NOTE: Each bracket is marked to note its location on the vehicle. The middle and rear brackets are interchangeable from passenger to drivers side, the front brackets are not. Figure 4 illustrates the passenger side (the drivers side is the same but opposite).

1. Loosely attach the side front and rear brackets to the body mounts behind the vehicle rocker panel using the appropriate M-8 bolts. The idle bracket location has a factory installed threaded stud. Place the bracket into location, with the stud going through the top slot. Loosely attach the bracket to the rocker panel with the provided M-8 bolt and M-8 nut. Do not tighten the nut or bolts at this time.

Brackets

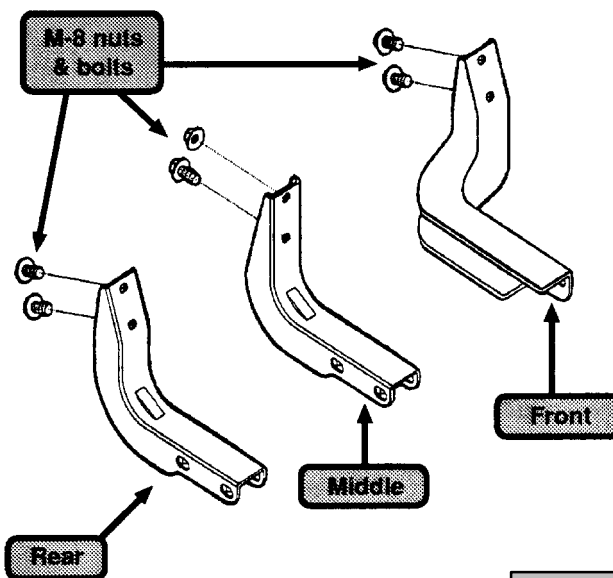


Figure 4

RUNNING BOARD ATTACHMENT

1. Before placing the running board onto the brackets, install the rear side end cap on the rear of the board by sliding the M-8 studs into the end plate slots. Loosely attach the provided M-8 nuts to the studs of the end cap (see figure 5). Do not tighten the end plate to the platform at this time.
2. Slide the running board assembly onto the installed brackets. Attach all brackets loosely to the running board with provided M-8 bolt assemblies (figure 5).
3. Tighten the brackets to the rocker panel.
Torque all M-8 bolts and nuts to 12 ft. lbs.

FRONT FLARE ASSEMBLY

NOTE: Each flare is marked on the inside surface to identify the correct installation location.

1. Position the front flare over the front of the running board. The top of the front flare will slide onto the front body flare (see figure 6).
2. Align the (3) front flare mounting holes over the corresponding vehicle mounting holes originally used for the mudguard. Loosely install the previously removed 10 mm mounting screws into their original position.
3. Adjust the front flare by pressing it firmly against the body flare in a position which allows no gap at the top. Tighten the mounting screws securely.

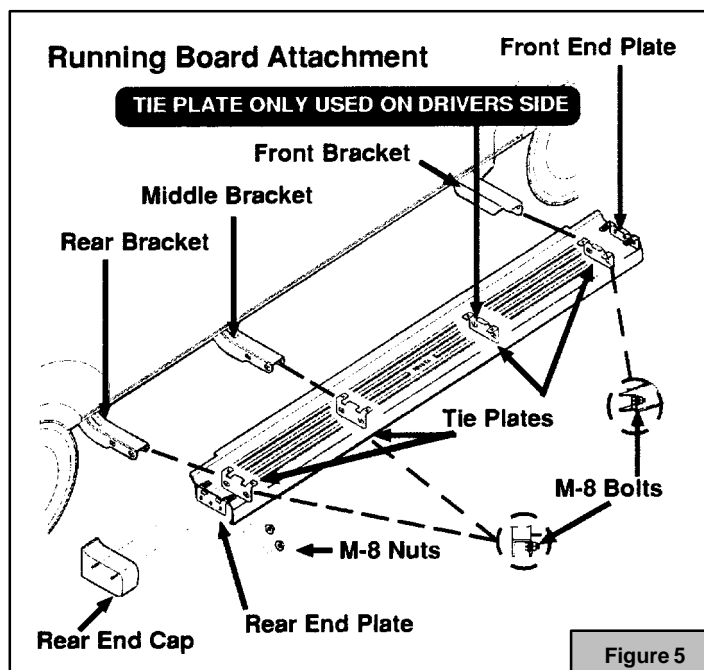


Figure 5

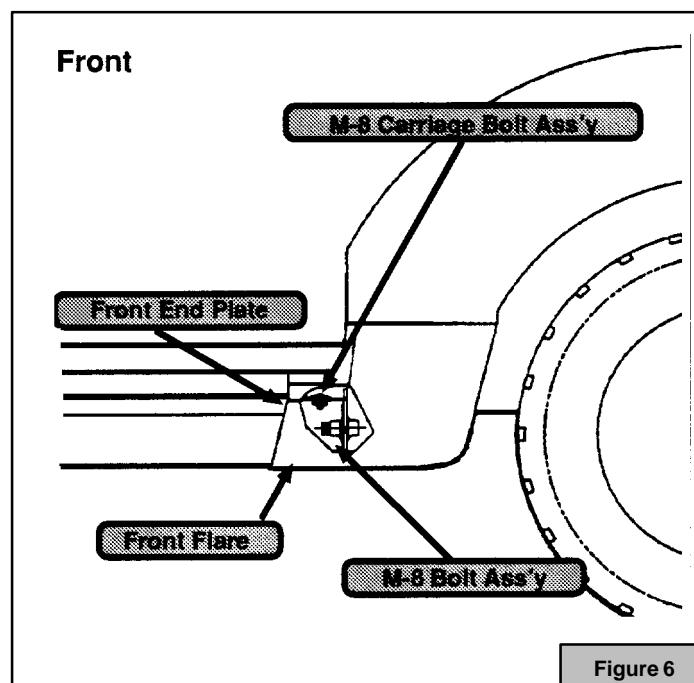


Figure 6

FINAL ASSEMBLY

1. Align the front of the running board so that it is level and flush with the front flare. The running board should be parallel to the vehicle and the rear end cap should line up with the fender extension. The gap between the bottom of the rear door extension and the top of the rear end cap should be a maximum of 1/2 inch (see figure 7).
2. After the running board has been aligned, tighten all brackets to the running board platform with the provided M-8 nut and bolt assemblies. Torque to 12 ft. lbs.
3. From underneath the running board, slide the front end plate against the front flare tab. When the tab is against the plate, tighten the M-8 nut to the running board with 12 ft. lbs. Then attach the tab with the provided M-8 bolt and nut and tighten to 12 ft. lbs. (refer to figure 6).
4. Slide the rear end cap towards the lip of the door extension until it is approximately 1/4 inch away. Tighten the end plate to the running board with 12 ft. lbs. Press the front of the end cap firmly against the front of the running board and tighten the M-8 nuts on the studs of the end cap to 6 ft. lbs. (see figure 7).
5. Open and close the rear door to confirm that there is no interference between the rear end cap and the rear door extension. If there is interference, insure that the running board is parallel to the vehicle and/or readjust the rear end cap.
6. Repeat the procedure for the other side of the vehicle.

