



Specter Off-Road, Inc.

21600 Nordhoff St. Chatsworth, CA 91311 USA,
www.sor.com, (818) 882-1238, sor@sor.com

SOR 80 Series/Lexus LX 450 Carpet Sets

Installation Instructions for SOR Part Numbers: #343-800 Carpet Sets, #343-813 Tail Gate Carpet Panel & 343-820 Wheel Arches



Contents

3 Piece SOR Premium 80 Series Carpet Set

Tools & Supplies

Assorted Metric Wrenches
Phillips and Bladed Screwdrivers
Utility Knife with New Blades
Staple Gun and 5/16" Staples
Scissors
Soldering Iron (preferably pointed tip)

Additional Products

#343-809 Felt Kit
#343-813 Tailgate Panel Kit
#130-100 Panel Clips (Sold each)
#343-820 Wheel Arches
#116-06 Shift Lever Boot (Manual Transmission)
#076-52 Parking Brake Boot

INTRODUCTION

SOR Carpet Sets are custom fit for your Cruiser. They are tailored to fit stock configurations of USA 80 Series Land Cruisers and Lexus (LX450). For a proper fit, you will need to remove the factory installed carpet. If you need to replace the felt padding, purchase SOR Felt Kit #343-809.

You will need to cut openings for shift levers, rear heater and any non-factory accessories specific to your vehicle. Your new SOR carpet kit is marked on the back where cutting is required. Cut sparingly, you can always make the openings larger as you install. Be sure that the blade on your utility knife is new and that you have new replacement blades.

This installation requires you to open holes in the fabric for seat mounting, seatbelt mounting and other large bolts. SOR suggest the use of a heated soldering iron to open and cauterize holes which will prevent unraveling. Place the heated soldering iron outside the vehicle away from flammable material when not in use.

Specter Off-Road will NOT be responsible nor will we accept returns on miss-cut, damaged or modified carpet. If you do not feel you can successfully install this product, please seek professional help.

PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION

PREPARATION

1. Remove the front, mid-passenger and 3rd row seats including mounting brackets from the vehicle. Unplug electrical accessories such as seat motor and rear heater as you go.
2. Remove the transfercase shift lever knob and entire center console.
3. Remove the door sills from the front and passenger doors.
4. Remove the dead pedal near the drivers kick panel.
5. Remove the bolts from the dashboard support located on the transmission hump near the accelerator.
6. Remove the front kick panels, door pillar panels and cargo compartment side panels.
7. Remove the tailgate sill plate.
8. Remove the old carpet.
9. Salvage the plastic conduit shields stapled to the back side of original carpet in the door openings. (see figure 1) Your Cruiser may have them on one or both sides of the vehicle and in both front and rear doorways. Mark the pieces so you know where they reinstall.
10. Remove the seatbelt anchors on the floor and wheel wells.
11. Retain all hardware for reinstallation.
12. Thoroughly vacuum the floor pan removing any dust, dirt or other debris. Inspect the floor pan for damage and make repairs as necessary. Order any missing or broken parts as needed such as hardware, panels and panel clips and knobs as needed from Specter Off-Road. See pages 114 and 118 of the SOR catalog for trim and seat parts, page 116 for transmission/transfercase boots and knobs, and 076 for parking lever boots.
13. If you purchased SOR Carpet Felt Kit #343-809 remove the old felt padding and install it now.



Now is a good time to run wires and cables for auxiliary lights, antenna or any other remote accessory requiring electrical or data connections.



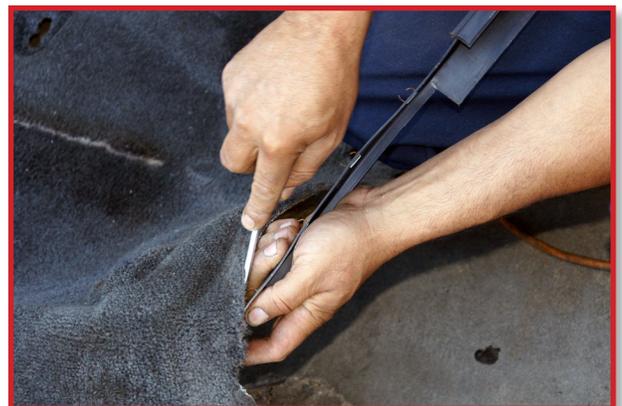
Digital photos of the interior of your Cruiser before and during the removal of parts will aid in the reassembly process.



Figure 1: Salvage the plastic shields



Masking tape labels work well for marking.



CARPET INSTALLATION

Front & Mid-Passenger Floor

1. You will need to cut the new carpet to fit the position of the shift and brake levers, console mounts and the rear heater specific to your model year. You will need to cut openings for mid-passenger seat latches. Optionally you will need to cut openings for cargo tie-down loops and jump seat latches. You will need to cut slots for wire loom plugs (at least rear heater and front seat control wires). Your new carpet set is marked on the back side where initial cuts need to be made (see figure 2). Cut less than the marks show. You will be able to open the cuts more when the carpet is in place.



Don't cut for accessories that are not on your vehicle. Use your original carpet as a reference and only make cuts that existed on your original carpet.

- a). On a clean surface lay the carpet kit face down and make all the necessary cuts. Start by making simple "X" cuts across the centers where marked. Make the cuts smaller than the finished size of the opening. Do not OVER cut the carpet. Leave the triangle shapes of carpet forming the "X" intact. You will have the option to trim it out later. For some accessories a better finished look will be achieved by tucking the flaps under instead of trimming away the carpet (see figure 12 on page 6).
2. Lay the carpet in place. Start with the firewall area and work your way back. Lay the front piece of your new SOR carpet in position. Confirm that the carpet is centered and positioned to fit against the front and rear door jams, parking brake, center console area and up vertical surface of the firewall. Test fit the scuff plates in the door jams.
 - a). Use the cuts you made for the front console mounts to position the front edge of the carpet forward (see figure 3). The vinyl welted seam located near the front seat mount holes should align center to the ridge that crosses the vehicle and forms the front seat anchor point (see figure 4). The back edge of the carpet will extend past the clip pins just behind the rear mid-passenger seat (3 to 5 pins depending on production).
 - b). Cut an opening for the air conditioning drain located on the firewall in the front passenger foot well (see figure 5). The top edge of the carpet will extend higher than the drain.



Figure 2, Pre-marked for cuts



Figure 3, Positioning



Figure 4, Alignment

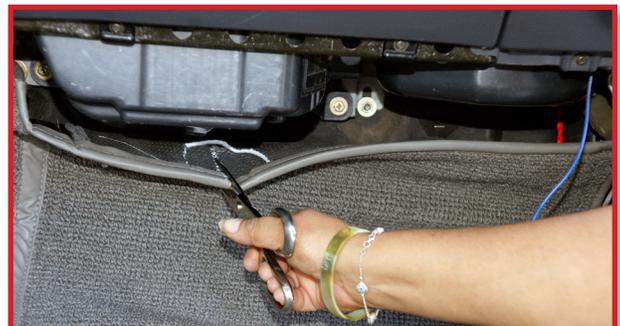


Figure 5, Cut an opening for the Air Condition Drain

3. Reattach the plastic conduit shields you salvaged from the old carpet. Staple the edge of the carpet to each shield as was done on the factory carpet installation (see figure 6). Make sure staple placement is under the edge of the scuff plate where it will be hidden.

- a). Place one or two staples and check position before completely stapling it secure.
- b). Back the shield with a small piece of wood to avoid crushing it as you staple.
- c). Bend flat any exposed staple points that may pierce the conduit and/or wire.

4. Reposition the shield in the door opening over the conduit.

5. Check fit of the scuff plates as you complete each door opening. Do not install them. Do not install seats or plastic side panels at this time. Move on to the cargo compartment.



Figure 6, Reattach the conduit shields



Avoid stapling exposed wires.



FINDING THE BOLT HOLE



(Figure 1) Look at the accessory you are about to install to get an idea of where the mounting hole might be. Feel for an indent through the carpet.



(Figure 2 & 3) Use a stout needle or awl to probe through the carpet to until you locate the mounting hole underneath the carpet.

(Figure 4) Use a hot soldering iron to melt a hole large enough for the bolt shaft in the location of the probe and subsequently cauterizing the fiber.



Shown here, finished seat mounting bolt hole



DO NOT USE THE SOLDERING IRON TO LOCATE THE BOLT HOLE!

Exercise extreme caution not to place the hot iron where it could damage the new carpet, melt or ignite other flammable items.

CARGO COMPARTMENT

Vinyl Wheel Arches

1. Your wheel arches are marked left (driver) and right (passenger) for the side they are installed.
2. Use pieces of the double stick tape provided to hold it in place. When installed the side panels and carpet will cover the edges of the vinyl (see Figure 7).
3. Position the wheel arch over the wheel well. Each wheel arch is oversized to extend behind the side panel and under the carpet. Smooth the vinyl over the wheel well adhering it to the double stick tape (see figure 8).
4. Trim the vinyl clear of the panel clip holes with scissors creating a "V" around each hole. Additional relief cuts along the arc of the wheel well may be required. Make sure the relief cuts do not extend below the lower edge of the side panel where it will be hidden (see figure 9).
5. If you plan to reinstall your jump seats:
 - a). Use a needle to locate the mounting bracket bolt holes through the vinyl.
 - b). Use the soldering iron or utility knife to open the holes for the mounting bolts.
 - c). Reinstall the jump seat brackets.

Rear Cargo Carpet

The cargo carpet is marked for the stock positions of tie-down loops and jump seat latches.

1. You have options for installing the cargo carpet:
 - (Option 1) Install the cargo carpet without cutting for the jump seat latches and cargo tie down loops. If you decide on option 1, skip to step 4.
 - (Option 2) Install the cargo carpet with holes cut for tie down loops and/or jump seat latches. If you choose option 2, continue to step 2.
2. Lay the carpet top down on a clean surface in preparation to cut for accessories.
3. Cut the carpet backing and carpet where marked for the accessories you would like.
 - a). Cut across the marks provided, through both pieces of material, the carpet and the felt backing.
 - b). In some cases you will need to remove more of the felt backing without removing carpet. Use scissors to trim the felt clear of the accessory.



Figure 7, Place pieces of double-stick tape around the perimeter of the vinyl



Figure 8, Smooth the vinyl into place



Figure 9, Make relief cuts in the vinyl and open spots for the panel clips

4. Position the carpet so the precut holes in the backing align with bolt heads of the jump seat latches (see figure 10).
5. Position the rear sill plate across the tailgate opening.
 - a). Use an awl or large needle to locate the screw holes through the plate and through the carpet.
 - b). Screw the rear sill plate down through the carpet. The awl should be sufficient to locate the screw holes through the carpet. (see figure 11).



Figure 10

REINSTALL SEATS, SEAT BELTS AND PLASTIC TRIM PANELS

See the section "Finding the Bolt Hole" for information on how to locate accessory mounting holes through the carpet.

1. Check the finished position of the carpet once again before cutting the holes clear of the shift lever openings. Reinstall the interior parts in the order laid out in the next section titled "Installation Order".
2. Use an awl or large needle to locate the screw and bolt holes through the carpet.
3. Carefully open the smaller screw holes such as center console screws large enough to allow the screw to pass through freely and not catch on the carpet resulting in runs. Larger mounting bolts such as seat bracket and seatbelt bolts require larger openings (see figure 12).
 - a). The awl will be sufficient to open smaller holes.
 - b). Use an awl to locate the bolt hole then use a hot soldering iron to melt the hole larger.



Figure 11

Installation Order

Because some panels overlap others, follow this order:

1. Center console
2. Front seats
3. Mid-passenger seats
4. Front kick panels
5. Dead pedal
6. Door pillar panels
7. Cargo compartment side panels.
8. Scuff plates in the door openings.
9. Mid-passenger step pad
10. Shift knob(s)



Figure 12

TAILGATE CARPET PANEL

1. To remove the tailgate carpet panel from the tailgate, gently pry the panel clips free. For replacement clips, see page 139 of the SOR catalog part #139-25.
2. Pry the old carpet staples free from the Masonite backer. Be careful not to damage the plastic retainer strip at the top edge of the panel, it will be reused. If your backer is excessively cracked, a new panel kit which include panel clips can be purchased from Specter Off-Road, see part number #343-815. To replace broken or missing panel clips, see part number #139-25.
3. Remove the panel clips to avoid breakage.
4. Using a heavy duty staple gun to staple the tailgate carpet to the Masonite panel. Alternatively, you can glue the carpet using automotive grade contact cement. Be sure to follow the manufacturer's gluing instructions.
 - a). Align the carpet to the radiused edge (hinge edge; see Figure 12) of the Masonite panel. The top edge of the carpet should sit about 1/2 inch below the edge of the Masonite allowing room for the plastic molding when reinstalled. If you decided to use contact cement, remove the carpet and follow the adhesive manufacturer's gluing instructions.
 - b). Fold the vinyl edging around to the back side of the panel (see Figure 13).
 - c). Replace the Plastic molding at the top edge stapling it to the panel (Figure 14)
 - d). Staple the edge vinyl to the Masonite. Alternately, if you are using adhesive, you can glue vinyl down using a fewer or no staples.

Insert the panel clip into the keyhole slots in the panel and snap the carpet panel assembly back into position on the tailgate.



Figure 13



Figure 14





Specter Off-Road, Inc. 21600 Nordhoff St.
Chatsworth, CA 91311 USA, www.sor.com,
sor@sor.com, (818) 882-1238

© Copyright 2014 Specter Off-Road, Inc. All rights reserved

150928-AS69-01