



Wood Grain Warrior Line

Incognito hidden winch bumper installation instructions

2003-2009 Lexus GX470

Version 1.0 - 2016

Thank you for purchasing the Southern Style OffRoad – Wood Grain Warrior Line Lexus GX470 hidden winch bumper. This bumper was designed as a complete bolt on solution, with the ability to easily go back to stock should you choose to do so later. However, it may be necessary to make small adjustments to the vehicle to ensure proper fitment and strength.

Included Content:

- 1-piece steel hidden bumper with/without shackle mounts
- 2 frame reinforcing lower brackets
- Hardware
 - 8 – 7/16” hex bolts and flange nuts w/ washers
 - 8 -7/16” flange bolts for shackle mounts
 - 2 - m12 bolts w/ washer and lock washers
 - 2- m8 bolts w/ washer and lock washers
- Optional Accessories

Additional tools required:

- 5/8”, 11/16” socket/impact
- 5/8” wrench
- 17,14,13,12,10 mm socket/impact
- 1/2” and 3/8” drive ratchet wrench
- Flat and Phillips screwdriver
- Grinder (depending on irregularity of OEM welds on frame)
- Electric drill with ½” metal bit
- Ratchet strap
- 2-3lb hammer

Begin installation by carefully unpacking the bumper. Verify all required hardware and optional accessories are included.



First, remove all the plastic clips holding the engine covers in place so that you may remove the covers for now. To do this, use a flat head screwdriver to pop the center section up. Hold the clip at its base and pull it out of the mounting hole.



After removing the engine covers, you will also need to remove the remaining clips holding the front bumper cover onto the truck. You will find these clips between the headlights near the grill area.



Remove every 10mm bolt on the underside of the OEM bumper cover. This will help to free up the plastic fender liners for removal in the next step.



Remove the remaining clips and fasteners connecting the fender liner to the front bumper cover.



Before continuing, be certain that all plastic clips, screws, and bolts holding the OEM bumper cover onto the truck have been removed. To get started, pull down and out at the corner indicated in the picture. This may take more force than anticipated. The OEM bumper is designed to latch to the fender even without any hardware holding it. Stop once you have achieved this on both sides.



Next, stand in front of the vehicle on the same side that you just started removing the bumper cover. By pulling downward and towards you, disengage the large plastic latches located in the circled area.



After disengaging these latches the bumper should start to easily “peel” off.

WARNING: If the bumper does not start to easily come off of the truck at this point, STOP and be certain that absolutely no clips or bolts were left impeding removal.

When the OEM bumper has been removed, you'll expose the cross beam that joins the frame rails together. Using a ratchet strap, apply slight tension around crash horn sections as shown. Remove the 8 - 14mm flange nuts holding this section to the frame rails.



You will find it necessary to increase the tension on the crash horns until the center section starts to loosen on the bolts. Under the correct tension, it should be easy to remove and reinstall the center section.

Remove this center section from the truck.



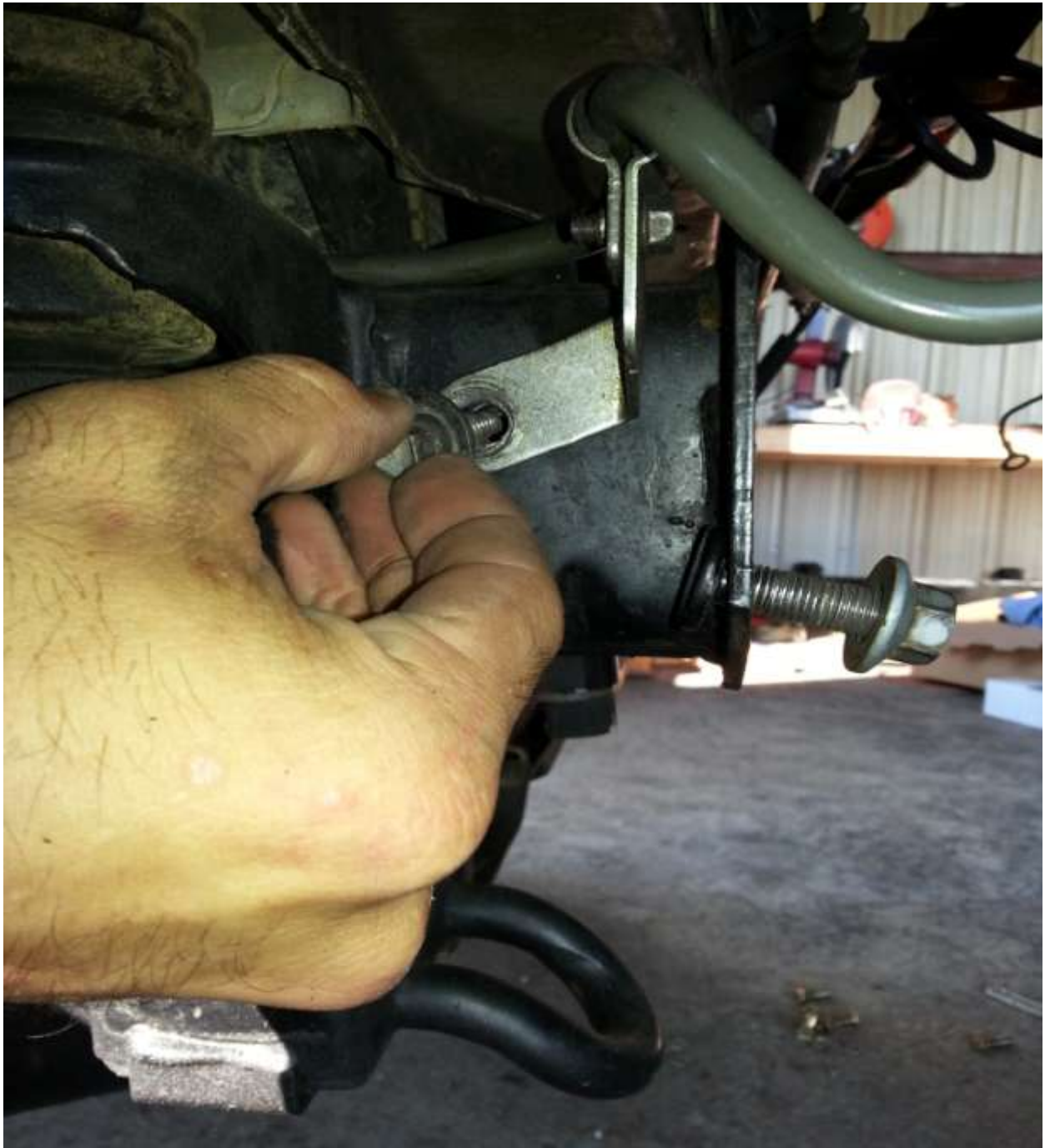
Reinstall the removed 14mm nuts without exposing any threads. Using a heavy hammer or light maul, tap the nut protecting the threads with a sideways motion until the three small tack welds break on the backside of the bolt. Do this for all frame rail bolts.



Using an electric drill with a ½” metal bit and GENEROUS amounts of WD-40, drill out the 8 bolt hole locations on the frame rail. This is necessary to fit the larger diameter grade 8 bolts provided.



Using a 12mm socket, remove the bolt holding the pressurized fluid line bracket on both driver and passenger frame rail.



At this point, you may find it necessary to smooth out the OEM frame welds to ensure the new bumper bracket fits flush against the side of the rail. This may not be necessary for all vehicles.



Install the supplied bumper bracket by slipping it behind the pressurized fluid line and **loosely** bolting it in using the supplied M12 bolt and M8 bolt on each side of the truck. Do not tighten the bracket down until you ensure that all 6 frame bolts slide through bumper bracket and OEM Frame plate.



You can see here that we only left a single bolt on the outside edge on both the driver and passenger side. We found it much easier to locate the holes on the bumper to only one bolt on each side. The other bolts can be installed after getting the bumper lined up.



Install the hidden winch bumper using the provided grade 8 hardware as shown. Do not install the optional shackle mounts yet. Don't forget the 2 bolts inside and underneath the frame rail section.



Loosely install the fairlead mount so the proper distance to the bumper can be set.



Place your oem bumper cover back over the hidden winch. Make sure it snaps into the sides, but no bolts are needed. At this point you'll want to slide the fairlead forward so that it is making contact with the back of the oem bumper. Tighten the fairlead mount down. Also, using a sharpie marker or similar, trace the fairlead holes onto the back of the oem bumper to be cut out and drilled.



If you purchased the optional shackle mounts, measure approximately 2 inches from the center vertical slat inwards towards the center of the bumper. Make a mark, measure an additional $\frac{3}{4}$ " for the width of the shackle mount. Cut the horizontal slat in the oem bumper to make clearance for the shackle mounts.



Remove the oem bumper, and install your shackle mounts, winch and solenoid using the supplied hardware.



Pass the winch line through the oem bumper and carefully reinstall making sure your previous marks and cuts line up with the hidden winch. Reinstall your bumper using the oem hardware and clips where applicable.



Install your fairlead by carefully holding the nut behind the fairlead mount while threading the bolt through the front of the fairlead.



Congratulations! You've just installed your Southern Style OffRoad - Wood Grain Warrior line hidden winch mount. Spool your winch line tightly per the manufacturer instructions and step back to admire your work.

