

2004 Lexus GX470

Vehicle Type: Sports Utility Vehicle

NAGS® number*: FW2365.

Installation time: One hour.

Technicians needed: One.

Helpful tools or supplies: For complete list of recommended tools, see p. 22. No special tools needed for this installation.

*With permission from the National Auto Glass Specifications 2003 Edition Fall Catalog and 2003 Fall Benchmark Calculator. Contact NAGS at 800/551-4012 or visit www.nags.com.



Windshield

Removal

- Pre-inspect vehicle with customer present or with pre-inspection worksheet. Note all damage to exterior, interior and mechanical devices pertaining to windshield replacement. See "The Seven Steps of Installation" step one on p. 8, for further information.
- Double check for correct glass parts, moldings and miscellaneous supplies.
- Put on all personal protection equipment to reduce injury.
- Protect the vehicle interior and exterior surfaces from possible damage. See step two for further information.
- As parts are removed from the vehicle, place them in an area where they will not be damaged or misplaced.
- The rearview mirror is an electrochromatic unit that is easily taken off with a 25T Torx screw. The rain sensor assembly is removed by removing the cover surrounding the base of the sensor. Remove the rain sensor by releasing the clips and sliding the sensor off the lens.
- Remove the wiper-post caps and remove the 13-millimeter nuts. Remove the wipers.
- Remove the cowl by first removing the two plastic Phillips-head retainers at the corners of the cowl, at the leading edge. Pry up on the cowl carefully then pull towards the engine compartment.
- The A pillar moldings are clipped down and extend above the windshield edge. Use a plastic stick and pry the molding away from the clips. Be sure to take your time in removing the side moldings.
- The top molding is a water-management-style molding that will more than likely have to be replaced on every install.
- Prior to removing the glass from the vehicle, remove any debris from between the glass and the body.

- Cut out glass part with tools of choice.
- Attach vacuum cups to the outside surface of the glass after wiping the surface clean.
- Dry-set the new glass and create alignment markings.
- Remove all but 1-to-2 millimeters, about $\frac{1}{16}$ inch, of existing adhesive from the pinchweld area.
- Do not touch or contaminate the existing adhesive once it is trimmed.

Installation

- It is absolutely necessary to use an adhesive system. Do not mix products. This can include, but is not limited to, preps, primers, cleaners and adhesive. Follow all installation procedures recommended by the vehicle or adhesive manufacturer.
- Remove safety gloves and put on Nitrile gloves.
- Apply metal primer to any exposed paint and scratches caused by the removal process. Allow primers to dry thoroughly according to the adhesive manufacturer's recommendations.
- Clean the glass with a lint-free disposable cloth.
- Attach the molding to the glass edge.
- Apply any or all preps and primers to the bonding surface of the glass. Allow primers to dry thoroughly.
- Apply a V bead of adhesive to the glass or pinchweld. Make sure that the height of the V and the size of the bead is consistent with the vehicle manufacturer's requirements.
- Attach vacuum cups to the outside surface of the glass.
- Set the glass and apply pressure to ensure contact is made between the two bonding surfaces. Do not apply too much pressure.
- Check for leaks with leak detector or water.
- Reinstall all other parts in reverse order.
- Clean and detail vehicle.
- Post-inspect the vehicle. See step seven for further information.

—Jay Beranek

Notes
