**WORK INSTRUCTION OVERVIEW**

**WARNING**
- **DO NOT ATTEMPT THIS PROCEDURE IF YOU DO NOT HAVE PROPER TOOLS, TRAINING, AND FACILITIES.**
- Never consider using a two-post lift that is not certified according to ANSI/ALI ALCTV-2011 or ANSI/UL 201. (autolift.org)
- Read and follow all instructions provided when installing this product. Failure to do so may result in placing occupants at risk of serious injury or death.
- To protect bystanders and the service technician(s), shut vehicle off, remove the Ignition Key and secure vehicle to prevent unintended movement.
- Never operate the vehicle in excess of manufacturer’s specifications.

**CAUTION**
- **FOR USE WITH FLAT HARD COATED POLYCARBONATE WINDSHIELDS ONLY.**
- Thoroughly rinse all debris from windshield before running wipers to prevent scratching.

**TOOLS REQUIRED**

- T-30 Torx Bit
- 2.5 mm Allen Wrench
- 5/32” Allen Wrench
- 8 mm Wrench
- 7 mm Socket
- 13 mm Socket
- 9/32” Socket
- 11/32” Socket
- 7/16” Socket

- 10 mm Deep Well Socket
- 21 mm Deep Well Socket
- 11/16” Drill Bit
- Step Drill (3/16”-7/8”)
- Phillips Screwdriver
- Drill Motor
- Torque Wrench (In-Lbs)
- Socket Driver/Wrench
- Dielectric Grease

**TORQUE SPECIFICATION**

Tighten each fastener to the torque specification below:
- **M8 Windshield Bolts** – 24.5 N•m (±3.5) - 18 ft lb (±3)
- **Power / Ground Cable Nuts** – 5 N•m (±0.5 N•m)
- **Battery Clamp Bolts** – 5 N•m (±0.5 N•m)
- **Large Hex Nut** – 3.4 N•m (±0.3 N•m)
- **1/4-20 Flange Nut** – 5.6 N•m (±0.5 N•m)

**DUAL WIPER KIT**

Kit Number - 0116EUA00011N

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**INSTALLATION PROCEDURE**

1. If equipped, remove (4) front straps of bikini top. Remove (4) M8 bolts and carefully set windshield on bench.

2. From left, mark center of two holes on top of dash panel from edge of ROPS flange ("0" edge line).

   **Hole 1 at 11-1/2", Hole 2 at 31", Both are 1-1/4" off front edge of Dash Panel**

3. Drill (2) 11/16" holes into the Dash Panel at marked locations.

   **NOTICE** deburr and paint the raw steel edges to prevent corrosion, allow to dry before installing grommets.

4. Using template provided and a 1/8" drill bit, drill (4) pilot holes thru Windshield in (4) Wiper Motor mounting locations.

5. Open up pilot holes, (2) at 8 mm and (2) at 18 mm, in locations shown on template.

   **NOTICE** a step drill is necessary to complete this step without damaging the polycarbonate Windshield.

6. Temporarily remove (1) large hex nut, (1) plastic washer, and (1) rubber washer from the Wiper Motor shaft, making sure to leave the black plastic standoff on the shaft (oriented as shown).
Work Instruction: Install Dual Wiper System
ROXOR Dual Wiper Kit (P/N 0116EUA00011N)

7. Install Wiper Motor with black plastic standoff against the inside of the Windshield.

8. Replace the rubber washer, plastic washer, and hex nut in this order, on the outside of shaft and finger tighten at this time.

9. Install (1) 1/4-20 Screw with (1) Steel Washer under the head, then (1) Rubber Washer against polycarbonate. Align round hole on Wiper Motor with 16 mm hole in polycarbonate and loosely install (1) 1/4-20 Flange Nut.

10. Tighten and torque the Large Hex Nut on Wiper Motor shaft first, then tighten and torque the 1/4-20 Flange Nut to specifications.

**CAUTION** over tightening can damage Windshield and/or Wiper components. Strictly follow torquing specifications listed in this document.

11. Repeat these steps to install the other Wiper Motor.

12. Re-install the Windshield. Place all Bikini Top straps behind Windshield before secure (5) Windshield Clamps and installing Windshield Mounting Bolts. Then torque all fasteners to specifications.
13. Open the hood, disconnect negative Battery cable and remove the Battery Power Post Cover.

14. Install (2) Dash Panel Grommets, one on each Dash Panel Side Wiring Harness, then feed terminal ends of harness thru Dash Panel and seat grommets into Dash Panel.

15. Remove (1) factory installed Engine Bay grommet.

16. Install (1) Engine Bay Grommet over four push-on terminals of the Engine Bay Side Wiper Harness.

17. Position the grommet along the wire loom, so ring terminals reach Battery, with little slack in harness on engine bay side. Route harness as shown with yellow arrows, keeping harness away from all hot engine components.

18. Secure red wire ring terminal to positive Battery terminal, black wire ring terminal to negative Battery terminal, with (2) M6 nuts and torque to specifications.
19. Secure Circuit Breaker to heavy battery cable as shown, making sure it cannot come in contact with any metal objects.

20. Use the (5) cable ties to secure the harness starting at the Battery and securing toward grommet. Re-install Engine Bay Grommet into firewall.

21. Connect (4) push-on connectors from both Vehicle Side Wiper Harnesses to (4) corresponding color wires on Engine Side Wiper Harness, under Dash Panel.

22. Secure both Wiper Harnesses to Dash Harness with (3) cable ties.

23. Re-connect the negative Battery terminal and re-install Battery Power Post Cover.

24. Turn each Wiper Motor on to test, prior to installing Wiper Arms. This will also ensure the Wiper Motors are stopped in resting position.
25. Release adjustment tab on underside of arm, then adjust (2) Wiper Arms to shortest possible length. A slight bend is required to slide past blade loop rivet, then lock adjustment tab.

26. Attach (2) Blades to (2) Wiper Arms with supplied shoulder bolts and nuts as shown, with large offset toward Wiper Arm. Tighten until nuts stop at shoulder.

27. Back out (2) Set Screws, one on each Wiper Arm. Install arms to Wiper Motors while aligning with bottom edge as Windshield, then tighten both Wiper Arm Set Screws.

28. Clean Windshield, then turn both Wipers on to cycle. Monitor operation and make any final adjustments. The Phillips head screw shown below is for adjusting Wiper Blade to Wiper Arm angle.

29. If equipped with single register, remove register cover and cut out section for wiper harness. Refer to Defrost Duct 2 Speed Heater No Cab.