Rough Country 98417221 Installation Instructions

Electric Tilt Windshield for Polaris Ranger XP 1000

Part number: 98417221

trailfortress.com/electric-tilt-windshield-polaris-ranger-xp-1000-rough-country-98417221

Scan for fitment, price and install help



POLARIS RANGER AUTO TILT WINDSHIELD

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
1 - Assembled Frame
1 - Actuator Kit
1 - WS Side Hinge Dr.
1 - Machine Side Hinge Dr.
1 - Machine Side Hinge Pass.
1 - WS Side Hinge Pass.
1 - Lower Actuator Bracket - Pass.
1 - Lower Actuator Bracket - Dr.

TOOLS NEEDED:
4mm Allen Wrench
10mm Socket or Wrench
12mm Socket or Wrench
15mm Socket
17mm Socket and Wrench
Ratchet Wrench
Lubricant for Hinges

HARDWARE INCLUDED:
4 - 10mm x 55mm Bolt
4 - 10mm Washer
4 - 10mm Lock Nut
8 - 6mm x 20mm Button Head Bolt
8 - 6mm Lock Nut
16 - 6mm Washer



Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

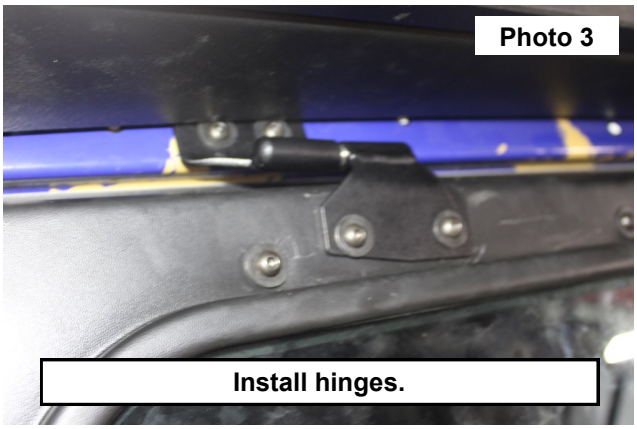
INSTALLATION INSTRUCTIONS

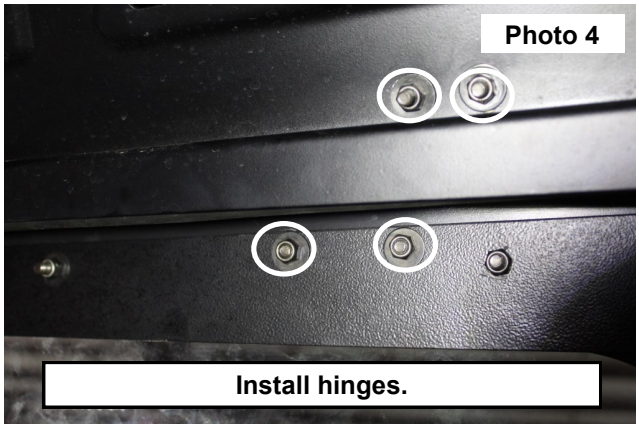
1. Install the rubber weather seal along the edge of the windshield frame and the windshield (the seal with the bubble is for the frame). Use a dead blow hammer to fully seat the seal. Cut the excess seal. **See Photo 1** and **Photo 2**.



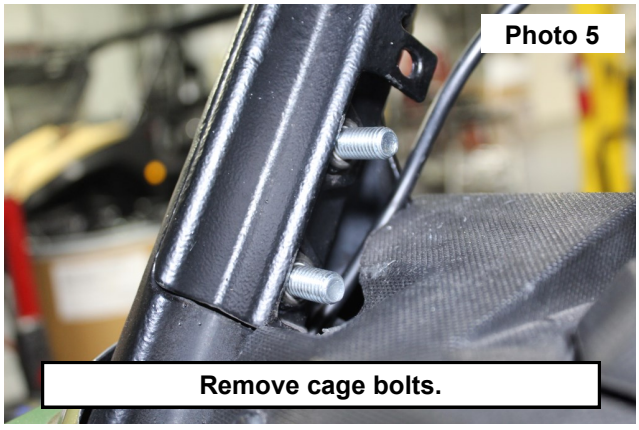


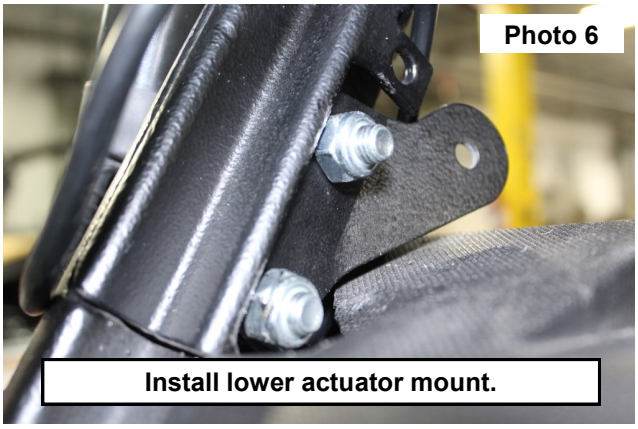
2. With assistance, lift the assembled windshield to the vehicle and install the windshield side hinges to the windshield frame using the supplied 6mm button head bolts, washers, and lock nuts. Tighten with a 4mm Allen wrench and 10mm wrench. **See Photo 3 and Photo 4.**



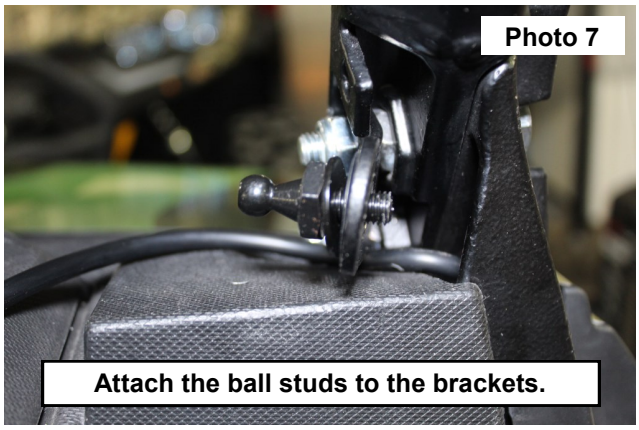


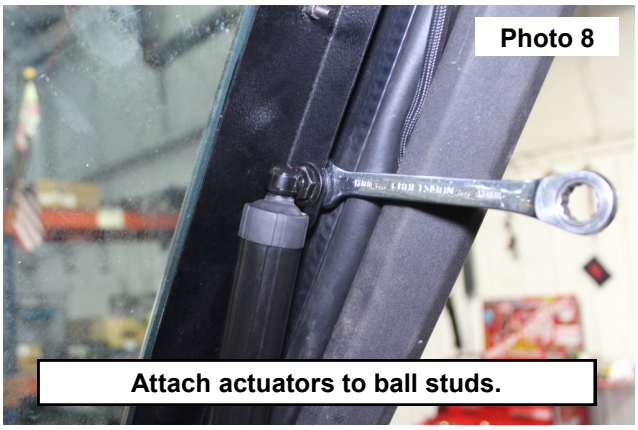
3. Remove factory lower cage bolts and nuts using a 15mm socket. Install supplied 10mm bolt and washer and factory nuts into factory location and tighten using a 15mm. **See Photo 5.**
4. Place lower actuator bracket over the two protruding bolts and factory nuts and secure using the supplied 10mm lock nut. Tighten with a 17mm wrench. **See Photo 6.**



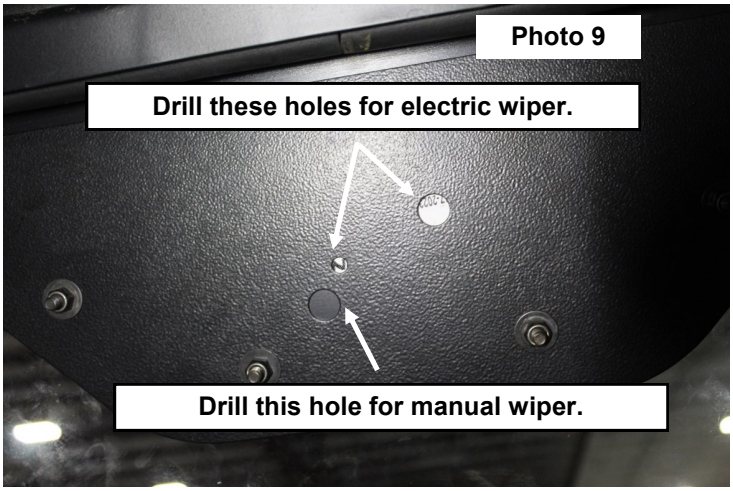


5. Repeat Step 4 for the passenger side of the vehicle.
6. Attach the ball studs to the lower actuator mounts using a 12mm wrench and socket. **See Photo 7.**
7. Attach the ball studs to the mounting location on the assembled frame using a 12mm wrench. Attach the actuator to the upper and lower ball studs. **See Photo 8.**
8. Wire actuators to preference.





9. **NOTE:** If purchasing with an RC wiper kit, drill the holes as shown in **Photo 9.**



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