On the Rox Fabrication and Manufacturing

Mahindra Roxor Glass Windshield Frame with Wipers

2118 N 9th Road Worden Montana
406-967-2189
Facebook: On the Rox Fabrication
Instagram: @on_the_rox_fab
Windshield Frame with Wiper Assembly Installation Instructions

1. First, open contents of the order and verify all included parts are there.

2. Begin by installing the wiring harness into your Mahindra Roxor.
   - First, take the wiring harness from the box along with the included components.
   - Next, drill out the hole on the top of the dash closest to the gauge cluster to 7/16".
• Unplug the wiring harness from the switch, so that the wires can be routed through the enlarged hole. After routing the wires and loom inside the dash through the hole, snap the plastic grommet into place.

• Route the wires over top of the steering column and brake pedal assembly brackets. Secure it with zip ties to a safe location, where it will not pinched between moving parts.

• Knock out one of the existing dash switch plugs, any of them will work, use personal preference in locating the wiper switch. Run the wires through that hole, and reattach them to the wiper switch in the same locations they come in.

  For Reference:
  #1-Green
  #2- Yellow Jumped to #4
  #3-Blue
  #5-Yellow
  #6-Brown

• Snap the switch into place.
Next, unplug the extra connector running to a dead switch next to the headlights. The harness should be labeled LED light, but offers no switch on the face of the dash.

- Peel back factory wire loom from the wires going into the connector.
- Cut the pink with yellow tracer wire, and the black wire about 2 inches back from the connector.
Using the supplied connectors and shrink tubing, splice the yellow wire from the On the Rox wiring harness into the Roxor’s pink with yellow tracer wire, and crimp the connection. (Remember to install the shrink tubing before crimping both sides of the connection.)

Use the same method to splice the black wire from the On the Rox wiring harness into the Roxor’s black wire going into the plug.

Take a heat gun to shrink the shrink tubing around the connection, creating a sealed connection. Zip tie and re-wrap any wires that have slack in them.

Reinstall the connector into the dead switch in the dash.

Verify that the wiper motors operate and set them to the park position.
Installing the Windshield Frame

- Installing Our On the Rox Windshield Frame is very simple, begin by removing the bottom cowl piece that is labeled with the Mahindra sticker. Save the bolts, as they will be used to mount our On the Rox Windshield Frame.

- Take the window frame, while being careful not to drop it, locate the bottom of the frame mounting holes where the Mahindra cowl mounted. Bolt it onto the Roxor using the factory Roxor bolts and mounting holes. The frame should be steady now.
• Take the supplied tubing clamps and install them onto the roll bar towards the top bend. Line them up with the slot in the On the Rox windshield frame and bolt the frame onto the tubing clamps.

• Take the supplied 5/16-inch stainless bolts and fender washers and mount them through the bottom center holes in the windshield frame that line up with the factory Roxor holes in the cowl to better solidify the mount. Install them with the fender washer and nut inside and under the dash, and the button head on the outside of the frame.
• Mount the motors onto the windshield frame orientating the motor labeled driver side onto the correct side.

• Now, install the wiper arms. Make sure that the motors operate and are in the down position.
• Begin by lifting up the plastic cover where they push onto the wiper motor.
• Push the wiper arm onto the motor so that the windshield wiper is at the bottom of the window in the down position, and then tighten the lock nut to squeeze the arm onto the motor.
• On the Rox sets and ships the motors to sweep at different degrees. This is done to maximize the area in which the wipers reach.
• This causes the wipers to lose sync as they operate, with the driver side wiper sweeping 80 degrees, and the passenger side wiper sweeping at 110 degrees.
• They will come on and operate in sync at the beginning of operation and come down to the park position in sync when the switch is turned off as well.
• If keeping the wipers in sync is desired, this can be done by simply adjusting the gears in the motor. In order to keep the wipers in sync, the motor gears can be set to the same degree. This is relatively easy and is achieved by taking the cover off the passenger side motor and setting the center pin to 80 degrees on the wiper motor.

• Be sure to correctly reinstall the gasket to keep the motors weather resistant and protected.
Glass Information

On the Rox Fabrication’s aftermarket windshield frame for the Mahindra Roxor does not include the glass. This is to lower shipping costs for the customer and diminish concerns of glass breaking in the shipment. Our glass installer has recommended and fit our windshield frames with .030 Safety Plate Laminated glass. A generic locking window seal is then used to secure the glass into the frame.