

## **R-SE Front Bumper Install**

### **Stock Front bumper removal**

Remove plastic bumper valance/ skid plate. Use 18mm socket to remove 8 nuts on front bumper. Do not remove bumper until you have undone the light wire harness and lights. Failure to do so can ruin your traction control system. Once you have removed the wire harness you can remove the front bumper.

### **Instillation of Front Bumper**

You have 2 options of mounting your front bumper with a winch option A or B

#### **Option A**

Mount the winch on the bumper before mounting the bumper to the vehicle use the hardware provided with the winch to mount the winch to the bumper. Once you have mounted the winch, mount the bumper with the hardware provided.

6 - 7/16" x 1" bolts

6 - 7/16" nuts

12 - 7/16" washers

#### **Option B**

Use this hardware provided to mount the front bumper.

6 - 7/16" x 1" bolts

6 - 7/16" nuts

12 - 7/16" washers

### **Mounting Bulbar**

Mount the bulbar with 4- 7/16" x 1" bolts provided.

## Lights

Use the hardware provided with the lights to mount them. For wiring you can use the stock light harness and use the stock light switch or you can follow the direction that came with the lights to hook up to the battery directly and use the switch they provided.

## Rear Bumper Install

### Stock Rear Bumper Removal

Remove the 4 side bolts with a 18mm socket or wrench and keep these bolts for install of on Mount Logan's bumper. Pull bumper off then remove stock tow hitch with 4-18mm bolts.

### Install Rear bumper

Install rear bumper using this hardware included

4 – 7/16" x 3" Bolt

4 – 7/16" Nut

8 – 7/16" Washer

4 short stock side bolts from take off of rear bumper

### Tire carrier

Put outer bearing races in tire carrier on top and bottom. Grease bearings and put bottom bearing in and install seal 5121 provided make sure that the rubber part on the seal is out. Get the 1" washer and nut ready, put carrier on bumper, put greased bearing with washer and nut on top. Tighten nut so that it is snug. Put o-ring on Aluminum cap and thread cap on to the carrier, hand tight is all it needs.

Remove stock tire carrier and save bolts to mount MT Logan's tailgate plate. Assemble aluminum turn buckle with 2 hem joints, and 2 jam nuts. They are left and right hand threads make sure you are threading the right one into the correct side. To mount the turnbuckle onto the carrier use the hardware provided. 1-1/2" x 2.5" bolt, 1-1/2" washer and 1-3/4" aluminum spacer. Put the spacer on top of the turn buckle. To mount the turn buckle to the tailgate plate use 1-1/2"x3" bolt, 2-1/2" washers, 1-1/2" nut, 2- 3/8" aluminum

spacer. Put the spacers on either side of the turnbuckle.

Use the 8mm bolt and rubber bump stop and mount it on your tailgate so it will hit on the tire carrier. Use the turn buckle with the door closed to tighten the tire carrier so it is not loose and tighten jam nuts.

Take 3 lug studs, the tire mount bracket and put the studs in a triangle pattern to fit your bolt pattern, hit them in with a hammer. Take the tire mount bracket and the mount adjust bracket, 5/8"x 3.5" bolt, 5/8" nut, 5/8" washer and use that to adjust it so the tire will fit snug on the bracket and touch the tire carrier. Take the tire mount assembly, 2-1/2"x 3" bolts, 2-1/2" nut, 4-1/2" washers and 2-1 7/8" spacers to mount it to the tire carrier.