

Mitsubishi Triton MR 11/2018 On – Models: GLS & GSR



This bar is compatible with the Air Bag system of this vehicle. The compliance label must be attached on a surface of the bar so it can be read and located where it will not sustain environmental damage. The vehicle make and model must be marked on the label with a permanent marker.

This bar has detachable side wings and mudguard panels that can be replaced if damaged; plus 6 spot tabs, 3 aerial tabs, 2 jacking positions, 2 recovery eye and 2 hook locations. (Recovery eyes & hooks are not provided in this kit). The bar has been developed to accept up to a 9,500Lb. low mount winch.

Fitting Instructions

- A. Remove the O.E. front bumper, bash plate, inner guards, washer bottle and air dam trim from the vehicle, do not damage the air dam trim or scrivits as they will be modified and refitted.
- B. Remove the sensor, indicator and park light harness from the bumper and set aside for modification. Remove the sensors marking each sensor position for correct refitment later.
- C. Remove the indicator/park lighting assemblies from the bumper via the self tapping screws in the rear and cover the top third of the bumper with masking tape in preparation for marking the cut.

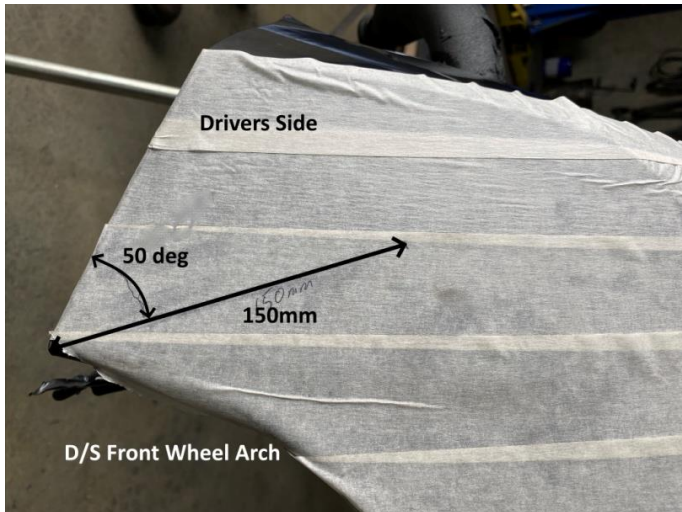
Bumper Cut

The bumper will twist easily if not supported. Ensure it is resting level and flat when marking and cutting. Use masking tape to join the cut points along the bumper to form a straight line. All dimensions follow the curvature of the body.

All dimensions are a guide only. As the bumper and grille assembly is very easily taken on and off the vehicle it is recommended to leave a small amount (5-10mm) below the marked line to allow a perfect fit by back cutting to the desired clearance.



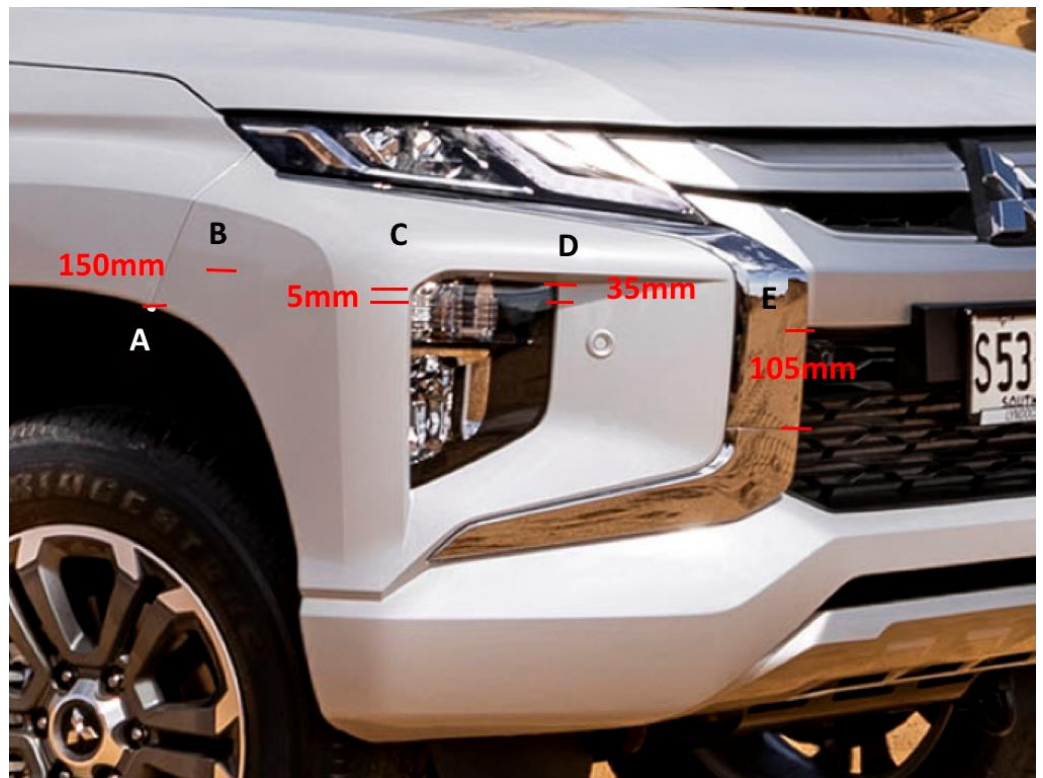
NOTE: In some photos excess bumper has already been removed.



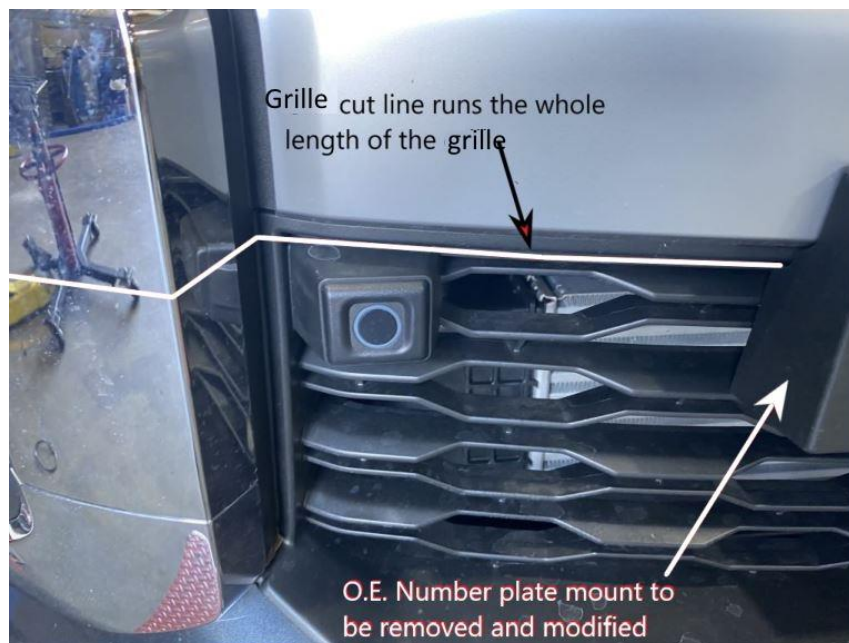
1. From the start of the bumper at the wheel arch (Point A) Use an angle finder/protractor mark Point B at 150mm along a 50 degree line.



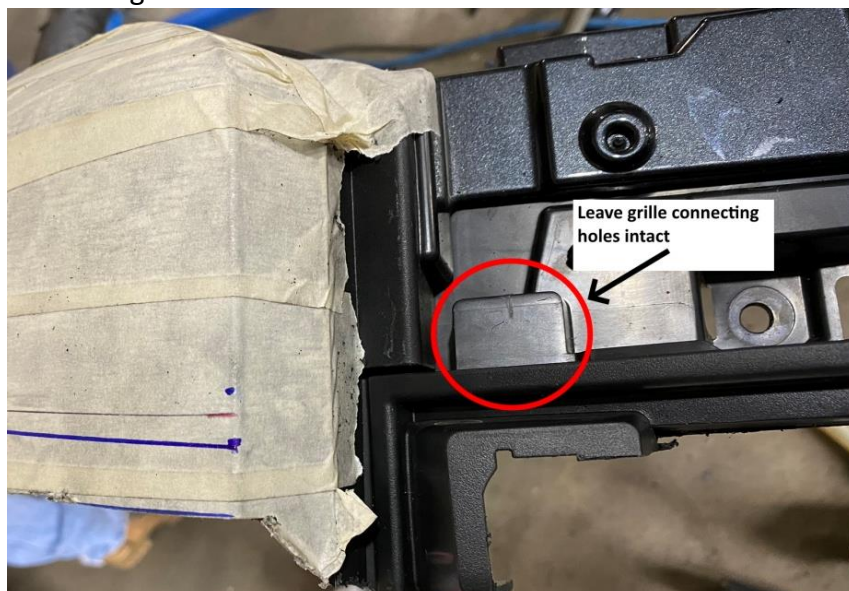
2. Mark Point C 5mm down from where the curve finishes in the indicator hole
3. Mark Point D 35mm down from the top inner corner of the indicator.
4. Mark Point E 105mm up from the join line of the Chrome or black plastic section on the edge nearest the grille.



5. Mark Point F straight across the Chrome/black trim to the inner corner of the top of the grille.
6. Mark all points on both sides and connect them.
7. The grille cut line runs the whole length of the grille along the line above the grille



8. When Cutting make sure the grille connecting holes are left intact



9. Once the bumper cut line is marked you can make the cut using an angle grinder or air saw. Clean edges after cutting and test fit. Set the bumper cut aside now until the bar is fitted.

Light and sensor Wiring Harness Modification

10. Ensure all sensors and their wires are labelled then cut leaving enough length on both ends to wire in the 300mm extension using the 3 core wire. Solder and heat shrink connection and then cover with split tube and tape. Ensure the sensors are in the correct orientation when reconnecting.
11. Cut the O.E. indicator connectors off. Wire in a L.E.D. resistor to each new indicator in preparation to solder and heat shrink once the bar has been fitted.
12. Bolt the indicator light to the front of the round light bracket using 3) M5 x10 bolts, washers and nuts. Loosly bolt the bracket with indicator to the infil panel on the side tube wings using 2) M10x25 Bolts, washers, spring washers and nuts per side. Centre the light to the opening in the infil, then tightened the bolts.

New Washer Bottle (Bag) and Air Dam Installation

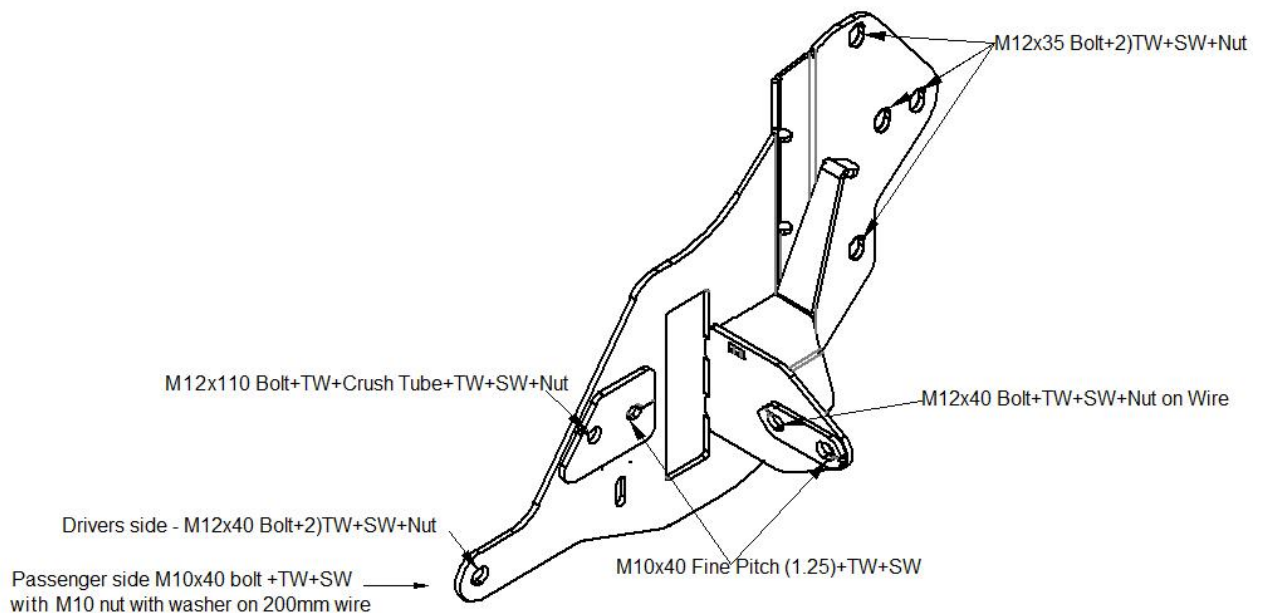
13. Loosen and rotate the battery negative terminal 90 degrees anti-clockwise and retighten.

14. Using the 2) M8x40 bolts with washers, s/washers and nuts mount the washer bag bracket as pictured. Attach the washer bag using 2) M10x25 with washers, s/washers and nuts)- Cut off the O.E. water pump plug and solder/heat shrink on the supplied plug from the washer bag kit. Cable tie the excess water hose and pump wiring out of the way.
15. Mark a line approximately 55mm down on the air dam and trim straight across then reinstall.



Mount Installation

16. Remove OE front bashplate.
17. Trim the bumper support bar back 75mm each side. Paint cut edges to seal.
18. Using the M12x110 bolt check the length of the spacer tube against the chassis this bolt and spacer tube will go through the oval hole in the side of the chassis behind the M10 captive nut. Every chassis is different so the spacer tube will need to be trimmed to length as required.
19. Slide the mount over the bumper support bar, while the mount is part way along insert the M12x110 bolt through the middle hole in the side and then slide on the spacer tube.
20. The passenger side rear mounting point will need to be drilled out from the inside to allow a M10 nut on a wire and washer to be inserted like the drivers side. A step drill and die grinder bit makes this step easiest.
21. Loosely fasten all the bolts for the mount to the chassis.



Bar, Bash Plate and Mudguard panel Installation

22. Mount the front Sensor brackets to the centre with the sensor holes pointing through the cut out sections of the XROX logo PARALLEL to the ground. NOTE: it is vital that the sensors are orientated to be as level with the road as possible for proper functioning.



23. Assemble the side tube wings to the centre using 6) M10x25 bolts, flat washers, spring washers, nuts and 2) M12x40 button head bolts, flat washers, spring washers and nuts **per side**. Press the tube inserts into the ends of the wings. Use sikaflex or similar sealant to create watertight seal.
24. Fit the assembled bar to the mounts using 4) M12x35 bolts, thick washers, spring washers and nuts **per side**. Align and level the bar, tighten all bolts.
25. Install the modified indicator/sensor harness connecting the indicator/resistor. Solder and heat shrink all wiring. Clip the sensors into the side tube wings in the correct orientation.
26. Fit the bash plate to the bottom of the mounts and the front cross member. The bash plate is secured at the rear using the 4 O.E. bash plate fine pitch bolts with large washers. In the centre use 4) M10x25 bolts with washers and s/washers and nuts to secure (2 per side) drill these holes in the mounts to 11mm. The front lip sits inside the bottom edge of the XROX® centre.
27. Fit the number plate using 2) M6x20 button head bolt, flat washer and washered nuts.
28. Fit the Mudguard panels using 4) M6x25 bolts with washers, s/washers and nuts to the tabs on the bottom tube of the wings and 2) M8x20 Button head bolts with washers s/washers and nuts to the bash plate tabs. Attach all these bolts (6 per panel) loosely first before tightening.

Final Fitment of Bumper

29. Fit the cut bumper piece - the cut should be in line with the bar. Ensure that there is at least a 5-10mm clearance between the bumper and the bar to allow for body movement. Attach pinch weld to the cut edge of the bumper making notches on the inside edge where required.



30. Cut the O.E. number plate mount retained from earlier, apply pinch weld along the cut edge and reattach.
31. Cable tie all new wiring neatly out of the way, re install any clips and screws that are still applicable to the remainder of the bumper.




32. Reinstall the top cover connecting the grille to the cross member using 11 scrivenets retained from the removal of the bumper.

33. Check and tighten all bolts.

This XROX® tube bar comprises of both **powder coated** and **painted** parts, the Side sections and centre are powder coated while the mounts are painted with a zinc enriched satin black enamel. If at any stage through the product's life the painted sections show signs of rusting, remove the rust and recoat with satin black zinc enriched enamel.

Kit Contents

Qty.	Description	Qty.	Description
1	XROX® Centre (C02) with sensor holes	16	12mm Nut
1	XROX® Side Wing R/H (W91)	1	10x40 bolt
1	XROX® Side Wing L/H (W92)	4	10x40x1.25mm Fine Bolt
2	XROX® Mounts L&R ID:MR (XRTMQ-04)	22	10x25 Bolt
1	Bash Plate ID:MR (XRTMR-06)	6	10mm Thick Washer
2	Mudguard Panels 1RH 1 LH ID: MR	38	10mm Flat Washer
1	Washer Bottle Bracket ID: MR (XRTMR-08)	27	10mm Spring Washer
2	Front Sensor Brackets ID: MR 	18	10mm Nuts
		4	M10 Cage Nut
2	Round Light Bracket – Small (TWC04)	2	8x40 Bolts
2	LED Indicator Lamp (RD102SZZ-2-2-AA)	4	8x20 Button Head Bolt
2	LED load resistors 12v 25w	12	8mm Flat Washer
1	Washer Bottle Bladder (NWK901)	6	8mm Spring Washer
2.5m	Pinch weld 056 – no sponge	6	8mm Nut
1	Air Bag Protection Sticker	8	6x25 Bolt
4	Plastic Tube Inserts 48mm (ID 42mm)	4	6x16 Bolt
2	Spacer Tube 10NBx60mm (TWCTRI-03)	2	M6 x 20 Button Head Bolt
1.7m	3 Core Wire	22	6mm Flat Washer
2	12mm Nut + Thick Washer on 200 Wire	8	6mm Spring Washer
1	10mm Nut + Thick Washer on 200 Wire	8	6mm Nut
4	12x40 Button Head Bolt	6	6mm Washered Nut
2	12x110 Bolt	6	M5 x 10 Bolts
4	12x40 Bolt	12	5mm Flat washer
8	12x35 Bolt	6	5mm Nut
8	12mm Flat Washer	8	Cable Ties
32	12mm Thick Washer	1	Fitting instructions
18	12mm Spring Washer		
Kit Packed by:		Checked By:	
		Date:	