



FITTING INSTRUCTIONS

Product:	T15 / T13 Outback Frontal Protection Bar		
Vehicle:	Mitsubishi Triton ML 07/06+		
Part No.	070SB13N50L	070AP15N50L	

Australian Standards Relating to Installing Vehicle Frontal Protection Systems (VFPS): AS 4876.1-2002

- Do not attach V.F.P.S. to vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts), other than those specified by the V.F.P.S. manufacturer in this instruction.
- Do not use this product for any vehicle make or model other than those specified by the V.F.P.S. manufacturer (as above).
- Do not remove any plaques or labels from the V.F.P.S.
- Do not modify the structure of the V.F.P.S. in any way.

Warranty

- If any product or part of a product manufactured by TJM is found to be defective during a period of three (3) years after the date of purchase, TJM shall repair (at TJM's discretion) the defective product or part.
- Any defect in a product distributed by TJM, but not manufactured by TJM, shall be dealt with in accordance with, and to the extent of, the warranty offered by the manufacturer of that product.
- TJM does not warranty that the products manufactured by it comply with the laws of the place where those product are purchased or used. It is the sole responsibility of the purchaser to ascertain whether products being purchased, or the affixation of those products to any other object, comply with local laws.
- Except to the extent described in this warranty, TJM shall not be liable for any other claims, including claims arising from incorrect fitment, product or vehicle modification, faulty design, the use of the product on any indirect special or consequential damage or injury to any person, company or other entity.
- Modification or alteration to any product manufactured by TJM to enable fitment in conjunction with other vehicle accessories or modifications (e.g. lift kits) will void any warranty claims.

Bolt tensions	Dia. (mm)	Nm	ft.lbs	Dia. (inch)	Nm	ft.lbs
All bolt tensions are as follows unless otherwise specified.	5	5	4	1/4"	9	7
	6	9	7	5/16"	22	15
	8	22	16	3/8"	33	27
	10	44	32	7/16"	55	43
	12	77	57	1/2"	86	66

BOLT KIT:

ALLOY QTY.	Part Number	Description	STEEL QTY.
4	K0688	M5 x 0.8 x 20mm Pan XR Metal	4
10	K0625	3/16 x 1/2 x 20G Flat Washer	10
4	K0604	M5 x 0.8 Nyloc Hex Nut	4
2	K0551	M6 x 1.0 x 25mm Hex Bolt	2
1	K3033	M6 x 1.0 Flange Nut	1
1	K0613	1/4" x 3/32" x 1/16" Medium Spring Washer	1
4	K0626	1/4 x 5/8 x 18G Flat Washer	4
6	K0615	3/8" x 1/8" x 3/32" Medium Spring Washer	6
2	K0564	M10 x 1.25 x 30mm Hex Bolt	2
3	K0567	M10 x 1.25 x 50mm Hex Bolt	3
1	K0946	M10 x 1.25 x 65mm Hex Bolt	1
1	K0579	M10 x 1.25 Hex Nut	1
10	K0617	1/2" x 5/32" x 1/8" Medium Spring Washer	6
20	K0623	1/2" x 1 1/4" x 2.5mm Flat Washer	12
4	K0572	M12 x 1.25 x 50mm Hex Bolt	4
2	K0574	M12 x 1.25 x 65mm Hex Bolt	2
10	K0581	M12 x 1.25 Hex Nut	6
4	K0570	M12 x 1.25 x 35mm Hex Head Screw	0
2	K0734	10G x 3/4 Pan Head Screw	2
2	K2078	Speed Clips (Nut U-type 10G)	2
0	K1412	76 – 127mm Stainless Steel Hose Clamp	2
2	K2898	Polyurethane Mount Block	2
7	WSST-W13	M10 x 30 x 3.0mm Flat Washer	7
2	81449	M10 Nutplate Assy on 300mm wire	2
6	K0419	Scotchlocks	6

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FIT
KIT:

ALLOY QTY.	Part Number	Description	STEEL QTY.
1	81379	Washer Bottle Casing Assy	1
1	MTST-P356	RH Chassis Mount Saddle	1
1	MTST-P357	LH Chassis Mount Saddle	1
2	MTST-P385	Chassis Mount	2
1	K3154	Cable Tie 750mm Long	1
1	428IND-PKCLR	Indicator / Park Light Assy	1
3m	93152	Pinchweld	3m
1	81666	Winch Frame / Mount Assy	0
1	076T15BUMP3	Bumperettes	0
1	K3570	Washer Bottle	1

1. Remove the grill by removing the four plastic clips that are securing it at the top, pull firmly outwards on grill to remove.
2. Remove the bumper by removing the two plastic clips located on the inside, next to the head lights.
3. Remove the four plastic clips and the three screws that are securing the inner guards and bumper. Remove the two plastic clips located at the lower front edge on each side that are securing the bumper to the inner guard.
4. Remove the two screws behind the number plate that are fixing the bumper to the cross-member. On GLXR and GLS models, remove the flares. Remove the bumper by pulling outwards on the side of the bumper then slide forward to remove. At this stage wire the parker/indicator into the vehicle wiring loom.
5. Mark and trim bumper as per diagram one.

FOR THE GLX MODEL ONLY

Please note the position that these dimensions have been taken from.



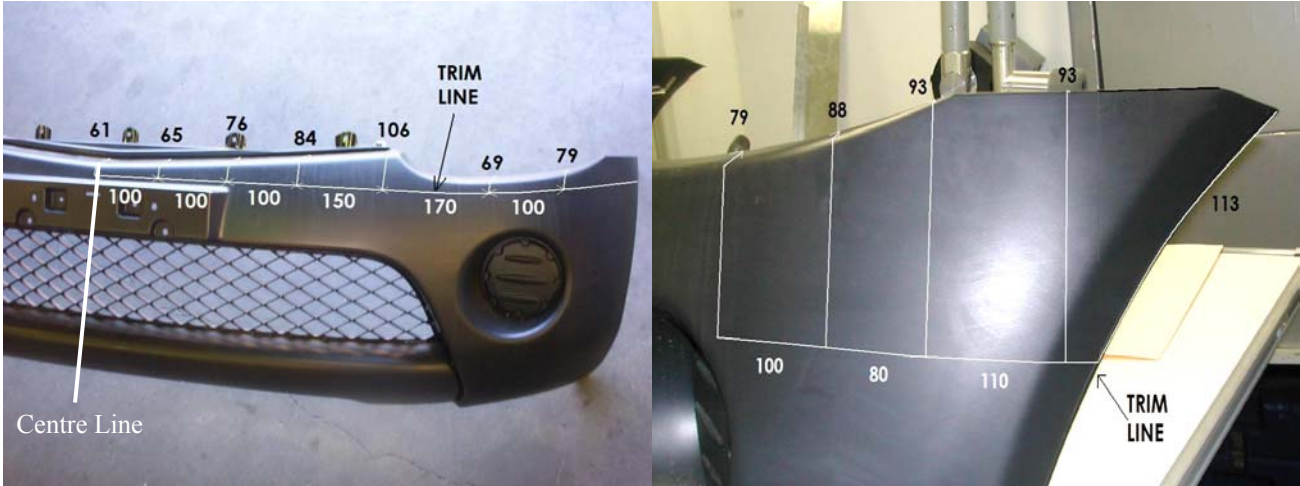
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DIAGRAM ONE



(black measurements are vertical dimensions and white measurements are horizontal dimensions)

FOR GLXR & GLS MODELS ONLY

(use the top of the number plate recess as the cutting guide through the centre)



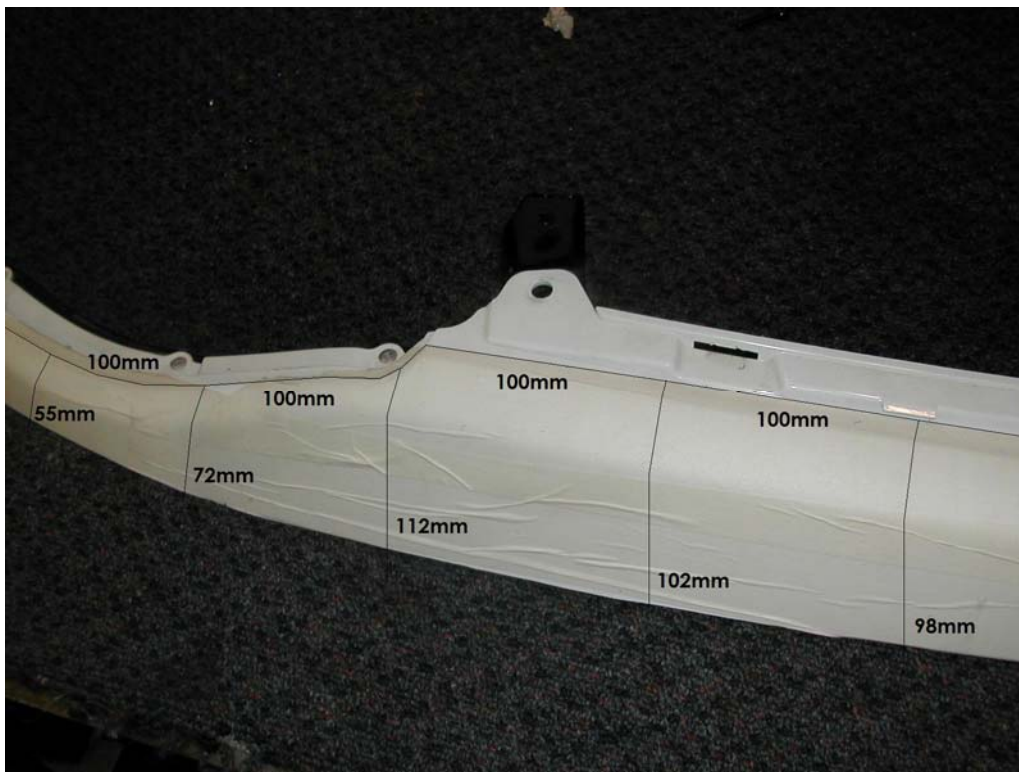
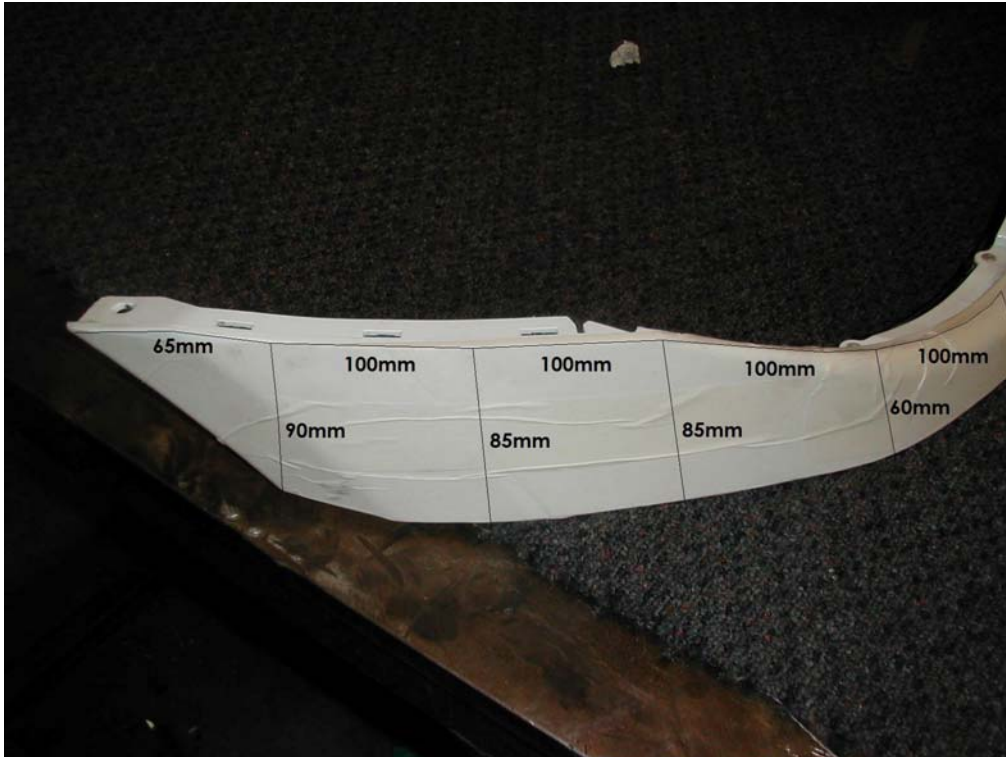
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- Remove the upper cross-member by removing the screw and nut from each end of the cross-member. Remove front sump guard three screws in cross-member, two screws on diff cross-member.
- Remove the bumper support braces from each side of the vehicle. For the driver side brace remove the two screws. For the passenger side brace you must remove the washer bottle first. To remove the washer bottle, remove the screw under the bonnet which is retaining the filler neck and the three screws on the inner guard which retain the bottle. Remove the washer motor from the bottle by pulling it outwards. Remove the two screws securing the bumper brace.
- Put the chassis mount saddles onto the inside of each chassis rail, refer diagram two. Bolt the mount brace plates to the tow points on each side of the vehicle, refer diagram three. Place an M10x1.25x30mm bolt, spring and flat washer into the captive nut on the driver side and another M10x1.25x30mm bolt, spring and flat washer, and nut through the hole in the passenger side.



DIAGRAM TWO
(drivers' side shown)

DIAGRAM THREE



passengers side

drivers side

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9. If an alloy bar is being fitted, fit the winch frame assembly to the vehicle. If a winch is to be fitted, refer to Step 10. Using two people, carefully lift the bar into position and fasten it to the winch frame assembly using M12x1.25x35mm bolts, nuts, flat and spring washers.
10. If a winch is to be fitted, it should be done at this stage. Remove the microjointed section from the lower centre section of the bar. Remove any sharp edges left and treat any raw surfaces after removing the microjointed section. Refer to the winch fitting instructions and fit the winch and fairlead roller to the winch frame. Secure the control box to winch motor using the polyurethane mount blocks and hose clamps supplied.
11. Lift the bar onto the vehicle from under the chassis so that the mounts go behind the front cross-member, refer diagram four. Using an M10x1.25x50mm bolt on the driver side and an M10x1.25x50mm bolt on the passenger side with the spacer plate, bolt through into the captive nut on each chassis rail.

DIAGRAM FOUR



12. Using three M12x1.25x50mm bolts, nuts, flat and spring washers fix the brace plate and bar mount to the chassis saddle on the driver side. Using one M12x1.25x50mm bolt in the top hole and three M12x1.25x65mm bolts, nuts, flat and spring washers in the bottom holes on the passenger side, refer diagram five.

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DIAGRAM FIVE



(drivers side shown)

13. Feed the single-nut-plate on wire into the large hole in the chassis rail behind the tow hooks (refer diagram six) and align with the hole that is unused in the mounts. Use one M10x1.25x50mm bolt, nut, flat and spring washer on driver side and one M10x1.25x65mm bolt, nut, flat and spring washer on passenger side.

DIAGRAM SIX



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- Align the bar with the vehicle and tighten all bolts.
- Test fit bumper and check trim length. If required, re-trim bumper so that there is an approximate gap of 10mm and that the bottom runs parallel to the bull bar.
- For GLX models, fit the pinchweld and trim to suit then proceed to step 22.
- Once satisfied with the trimmed gap between the bumper and the top channel, place the flare back in position on the vehicle. Using a flexible straight edge, hold level with the trimmed bumper section and mark a trim line on the flare (refer diagram ten).

DIAGRAM TEN



- Mark the position of the flare onto the bumper (refer diagram eleven).

DIAGRAM ELEVEN



- Once marked, remove the flare and place a pencil mark approximately 5mm back from the line (refer diagram twelve).

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DIAGRAM TWELVE



20. Cut a small section away (refer diagram thirteen) to allow the pinchweld to pass through the bumper and onto the flare.

DIAGRAM THIRTEEN



21. Refit the flare to the vehicle and fit the pinchweld (refer diagram fourteen).

DIAGRAM FOURTEEN



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22. Replace the inner guards and trim them to fit behind the channel. Using the hole in the wing return, drill the inner guard. Using the speed clip and screw, secure the inner guard to the inside of the wing return.
23. To fit the washer bottle and it's casing, remove the 6mm bolt from the battery earth lead on the wheel arch and also remove the plastic tag from the back of the light to allow fitment. Using one M6x1.0x25mm bolt, spring and flat washer, bolt the washer bottle bracket and the earth lead to this hole.
24. Using the hole in the bracket as a guide, drill 8mm hole through the inner guard, treat the hole to prevent rust. Using one M6x1.0x25mm bolt, flange nut, flat and spring washer, bolt the bracket to the vehicle and tighten all bolts.
25. Plug the existing motor into the new washer bottle and place the bottle into the bracket to hold the bottle in place. Secure the washer bottle to the bracket using the 750mm long cable tie supplied.
26. If a winch is fitted to the bar, use the lower bolt holes in the centre to position the number plate bracket. If a winch is not fitted, use the upper bolt holes.
27. Ensure that, as a result of fitting the bar, no vehicle components are crushed or will chaff.

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