



FITTING INSTRUCTIONS

Part Number: **2814020 (LH ASSEMBLY), 2814030 (RH ASSEMBLY)**

Product **RECOVERY POINT 8000kg rated**

Description:

Suited to **TOYOTA HILUX & FORTUNER '15 on**
vehicle/s: **(Fitted with OEM bumper or ARB bull bar)**

WARNING

REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG:

When installed in accordance with these instructions, recovery point does not affect operation of the SRS airbag.

ALSO, NOTE THE FOLLOWING:

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels included in recovery point kit.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques
- ◆ It is recommended that this product is only installed by trained personnel
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components
- ◆ Work safely at all times
- ◆ Unless otherwise instructed, tighten fasteners to specified torque

ARB 4x4 ACCESSORIES

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IMPORTANT INFORMATION. GENERAL CARE AND MAINTENANCE

By choosing an ARB Recovery Point, you have bought a product that is one of the most sought after 4WD products in the world. Your recovery point is a properly engineered, reliable, quality accessory that represents excellent value. To keep your recovery point in original condition it is important to care and maintain it following these recommendations:



As part of any Pre Trip Preparation, or on an annual basis, it is recommended that a thorough visual inspection of the recovery point is carried out, making sure that all bolts and other components are torqued to the correct specification. Replace any components as necessary. This service can be performed by your local authorised ARB Stockist.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

ELECTRIC DRILL	ϕ 7, ϕ 10 & ϕ 12mm DRILL BIT
FILE, SAND PAPER or DE-BURRING TOOL	HACK SAW
BASIC MEASURING TOOLS	BASIC TOOL KIT
CENTRE PUNCH	HAMMER
TORQUE WRENCH (9-87Nm)	TOUCH UP PAINT, ANTI CORROSIVE
MULTITOOL WITH PLASTIC CUTTING BLADE	NEEDLE NOSE PLYERS

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
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NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

FASTENER TORQUE SETTINGS:

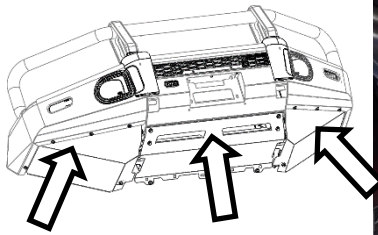
SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12X1.75	77 Nm	57lbft
M12x1.25	89Nm	65lbft

PARTS LISTING

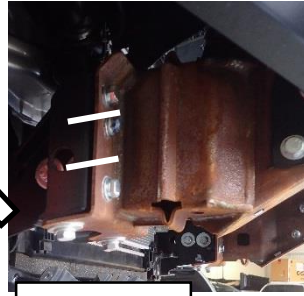
APPLICATION.	PART NO.	QTY	DESCRIPTION
FIT RECOVERY POINT	4654204R	1	RECOVERY POINT MAIN ASSEMBLY RH (2814020 RH ASSEMBLY ONLY)
	4654204L	1	RECOVERY POINT MAIN ASSEMBLY LH (2814030 LH ASSEMBLY ONLY)
	4654205R	1	NUT PLATE RH (2814020 RH ASSEMBLY ONLY)
	4654205L	1	NUT PLATE LH (2814030 LH ASSEMBLY ONLY)
	6151735	2	FL BOLT M12X1.25X50 PC11.9 TZP480
	6151287	2	BOLT M12X 1.75X60 Gd 8.8 ZP
	4584363	4	WASHER M12x26x4 HV300 TZP480
	3194862	1	SPACER M12X5X40
	3194863	1	PLATE, LOOM RELOCATION (2814020 RH ASSEMBLY ONLY)
SAFETY	2125484	1	RECOVERY POINT WARNING LABEL
	211433	1	VEHICLE RECOVERY BOOKLET
	211512	1	OPERATIONS INSTRUCTION CARD

FITTING PROCEDURE

(Fitted with an ARB bull bar)



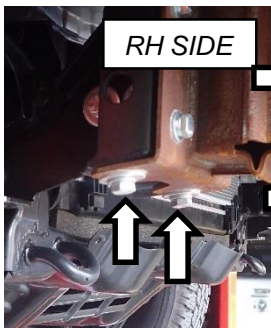
SUMMIT BAR



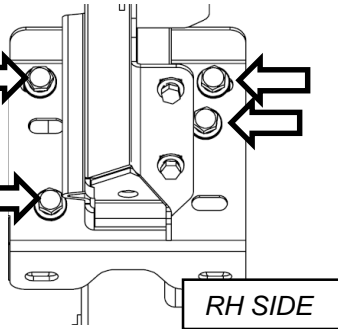
RH SIDE

Note: HILUX images shown, FORTUNA fasteners are the same unless otherwise specified.

1. Remove wing under panel, ARB stone guards and stone shield from bull bar.
(Refer to ARB bull bar fitting instructions that came with the bull bar).
2. Disconnect all components fitted to bull bar.
(Indicators, Fog lights, Winch, Aerial, Driving lights, Side rails etc.)
3. On both sides of the vehicle mark the position of bull bar mounts on braces. This is to aid in re-installed in the same location.

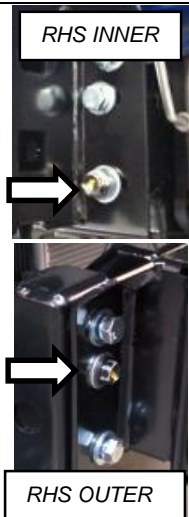


RH SIDE



RH SIDE

4. Loosen and remove bull bar 4 X M12 bolts and nut on lower sides of bull bar mounts. (2 x LH SIDE, 2 X RH SIDE)
5. Loosen and remove 8 X M10 Sems bolts and nut. (4 x LH SIDE, 4 X RH SIDE)



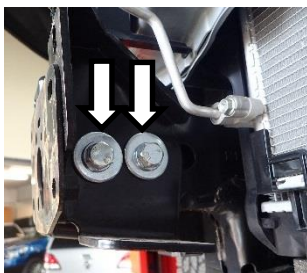
RHS INNER

RHS OUTER



6. With the aide of another person remove 4 X M10 OEM bolts (2 x LH SIDE, 2 X RH SIDE) and remove bull bar from vehicle.

WARNING: Due to the weight of the bar and winch if fitted, it is advised that you use some form of mechanical assistance when lifting the bar onto the vehicle such as an elevating trolley.

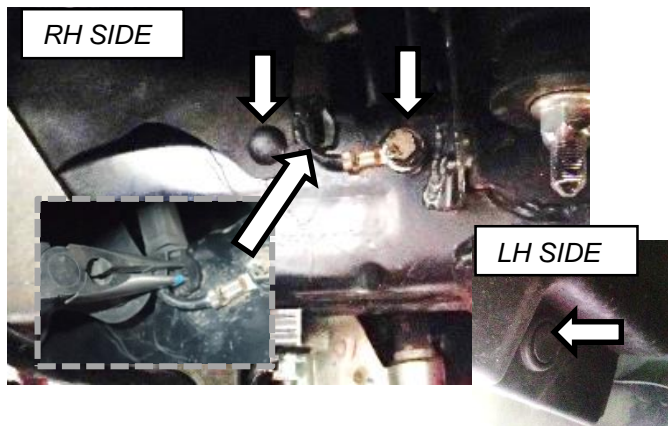


7. On the side the recovery point is to be installed, remove 2XM12 bolts holding inner bull bar mount bracket to chassis rail.
8. Remove nut plate from inside chassis rail.

FITTING PROCEDURE (ARB BULL BAR) - Continued



9. On the side the recovery point is to be installed, remove rearmost bolt from outer bull bar mounting brackets as shown.



10. Unclip front most rubber fender liner clip as shown.

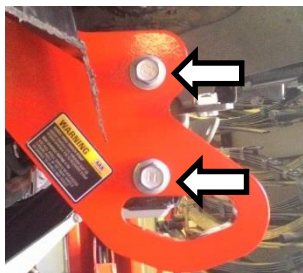
FOR RH SIDE ONLY

11. Unclip ground wire retain clip using needle nose pliers.

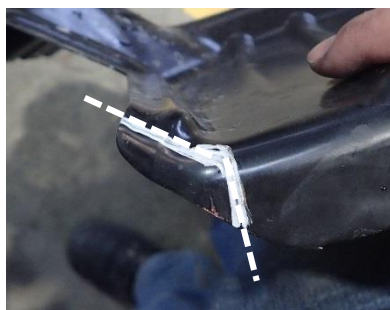
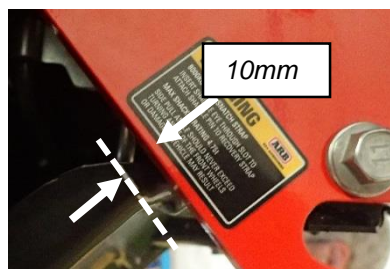
12. Remove grounding point bolt.

FOR LH SIDE ONLY.

13. Remove clip retaining fender liner to washer bottle, retain clip for latter installation.



14. Fasten recovery point to chassis using 2XM12X1.25X50 fine pitch flange bolt and 2XM12 washers.



FOR OEM UNDER VEHICLE PANEL

15. Using the recovery point as a guide mark a line on the under panel 10mm reward of the recovery point.

16. Remover OEM under panel.

17. Mark a second line following the radius on the under panel.

18. Using a hacksaw cut along marked lines.

19. De-burr edges using de-burring tool, file or sand paper.

20. Touch up cut edges with anti-corrosive spray paint.



Warning: Cutting and drilling operations can result in flying metal debris, safety glasses should be worn.

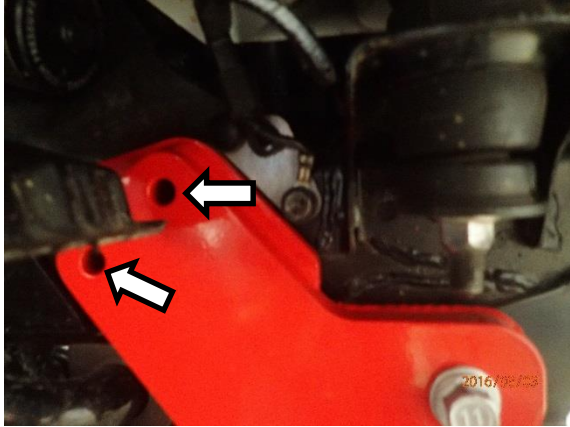
21. Re install under panel.



M8 – 22Nm

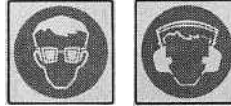


FITTING PROCEDURE (ARB BULL BAR) – Continued



22. Using an electric drill with ϕ 12mm drill bit and using rear top hole of recovery point as guide, drill out existing hole in chassis to ϕ 12mm.
23. Using an electric drill with ϕ 12mm drill bit and using rear bottom hole of recovery point as drill guide, drill ϕ 12mm hole in chassis.

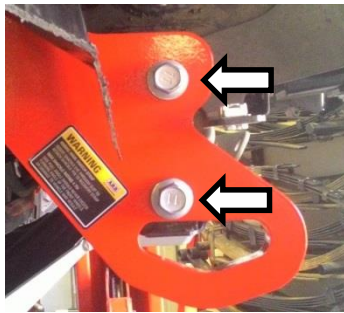
NOTE: Pilot hole may be required for drill, if so use ϕ 12mm drill to start hole and drill pilot hole with ϕ 7mm drill bit.



Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.



25. Remove 2 X fasteners holding recovery point.
26. De-burr drilled holes using de-burring tool, file or sand paper.
27. Touch up cut edges with anti-corrosive spray paint
28. If damaged during drilling process, touch up rear holes of recovery point.

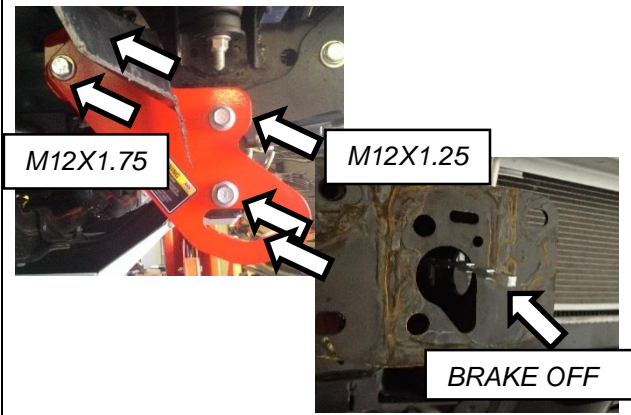


29. Re-fasten RECOVERY POINT to chassis using 2XM12X1.25 X 50 bolt and washer. **LEAVE FINGER TIGHT.**




30. Insert nut plate from inner side of chassis rail into rear large hole and align with hole drilled out in STEPS 22 & 23
31. Fasten RECOVERY POINT to chassis using 2XM12X1.75X60 bolt and washer. **LEAVE FINGER TIGHT.**


FITTING PROCEDURE (ARB BULL BAR) – Continued



32. Tighten front 2XM12X1.25 bolts to specified torque.

 M12X1.25 – 89Nm

33. Tighten rear 2XM12X1.75 bolt to specified torque.

 M12X1.75 – 77Nm

34. Brake off end section of nut plate and bend so it sits within chassis rail.




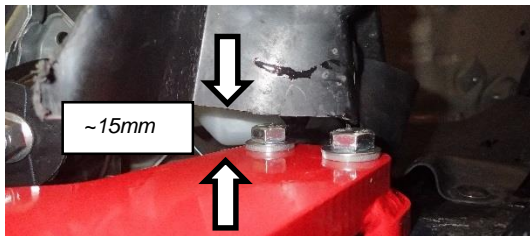
FOR RH SIDE ONLY

35. Reinstall ground wire with LOOM RELOCATION PLATE and bolt removed in STEPS 11&12 as shown.

36. Install loom clip fender liner and grounding wire clip into LOOM RELOCATION PLATE.

37. Align PLATE with recover point and tighten.

 M8 – 22Nm

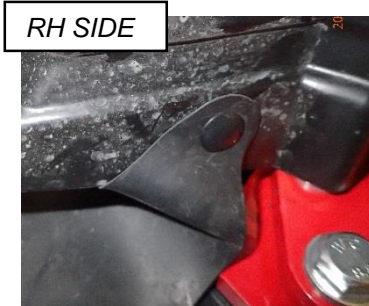


38. Using a multi tool trim inner edge of fender liner to give ~15mm clearance to recovery point.

39. Use a file or sandpaper to de-bur all cut edges.



Warning: Cutting operations can result in flying metal debris, safety glasses should be worn.



FOR RH SIDE ONLY

40. Using an electric drill with a ϕ 7mm drill bit, drill a hole in plastic fender liner.

41. Secure rubber fender liner to plastic fender liner using clip removed in STEP 10.

FOR LH SIDE ONLY.

42. Re-install clip removed in STEP 13 securing rubber and plastic fender liner to washer bottle.



Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.

FITTING PROCEDURE (ARB BULL BAR) – Continued



43. Reinstall inner mount bracket and nut plate using 2XM12 bolt, spring washer and flat washer removed in STEPS 7 & 8.
44. With the assistance of another person, Re-attach bull bar in reverse order to removal.

Warning: Due to the weight of the bar and winch if fitted, it is advised that you use some form of mechanical assistance when lifting the bar onto the vehicle such as an elevating trolley.

45. Align bull bar using lines marked in STEP 3 and reinstall all fasteners, refer to fitting instructions supplied with bull bar for final alignment details.
46. Tighten all bull bar bolts to specified torques, refer to fitting instructions supplied with bull bar for details.

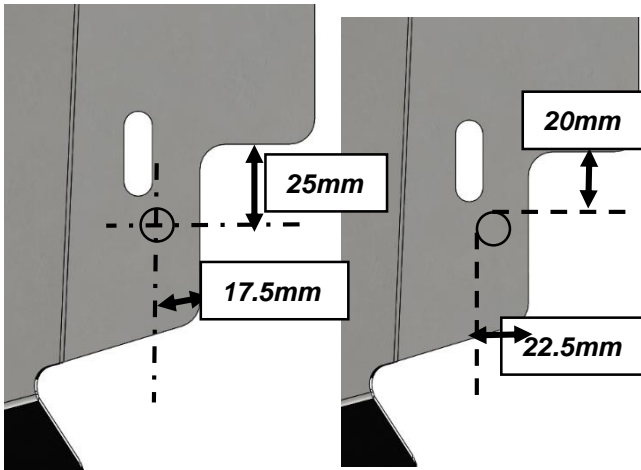


M10 – 44Nm



M12 – 77Nm

Note: Refer to bull bar fitting instructions is unsure.



FOR ARB SUMMIT BULL BARS: If Commercial bar is fitted proceed to STEP 54.

47. On rear inner edge of wing under panels mark a point as shown, 25mm down from rear most horizontal edge and 17.5mm outwards of vertical edge.
48. Using a center punch and hammer, punch the center of the hole.
49. Using electric drill with a ϕ 10mm drill bit, drill a hole where punched.
50. Mark 2 lines tangent to the drilled hole, 1 line 20mm down from rear most horizontal edge and 22.5mm outwards of vertical edge.
51. Using a hacksaw cut along marked lines.
52. De-burr edges using de-burring tool, file or sand paper.
53. Touch up cut edges with anti-corrosive spray paint.





Warning: Cutting and drilling operations can result in flying metal debris, safety glasses should be worn.

FITTING PROCEDURE (ARB BULL BAR) – Continued



55. Re-install wing under panel, stone guards and stone shield to bull bar.
56. Tighten all fasteners to specified torques.

 M6 – 9Nm

 M8 – 22Nm

57. Add recovery point warning label onto wing under panel as shown.

FITTED PRODUCT – Recovery Point (LH & RH)



FITTING PROCEDURE

(Fitted with an OEM BUMPER)



Note: HILUX images shown, FORTUNA fasteners are the same unless otherwise specified.

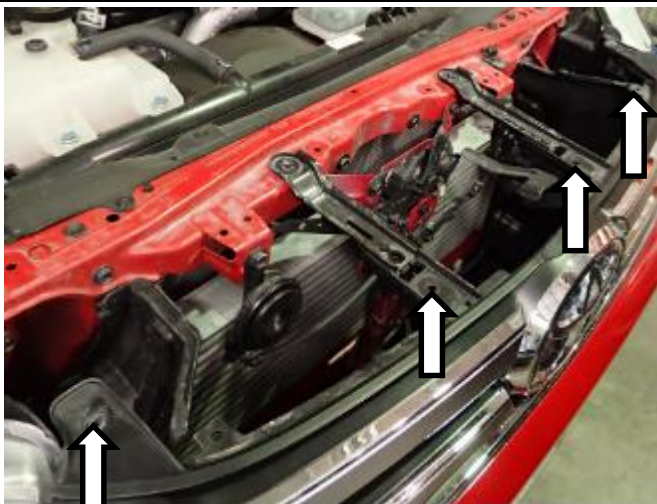
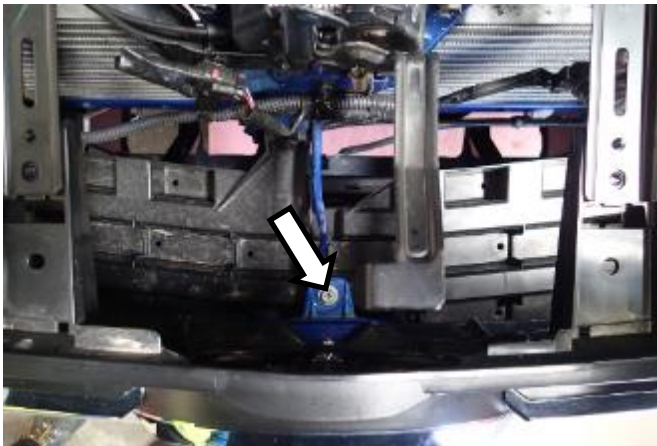
1. Open the bonnet and remove all scrivets retaining grille.

Note: Take note where all fasteners are removed from as they will need to be refitted.



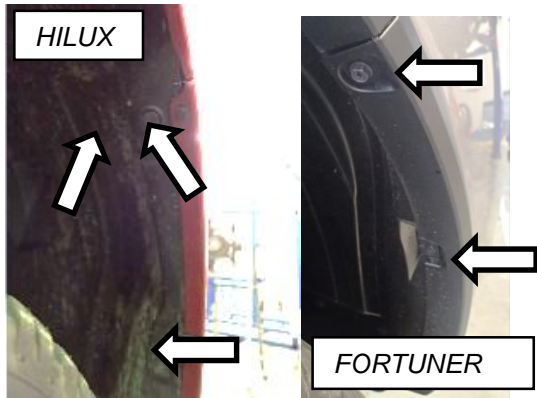
2. Remove lower grille retaining screws – (Right hand side shown).

Note: Centre grille retaining screw shown in lower image.

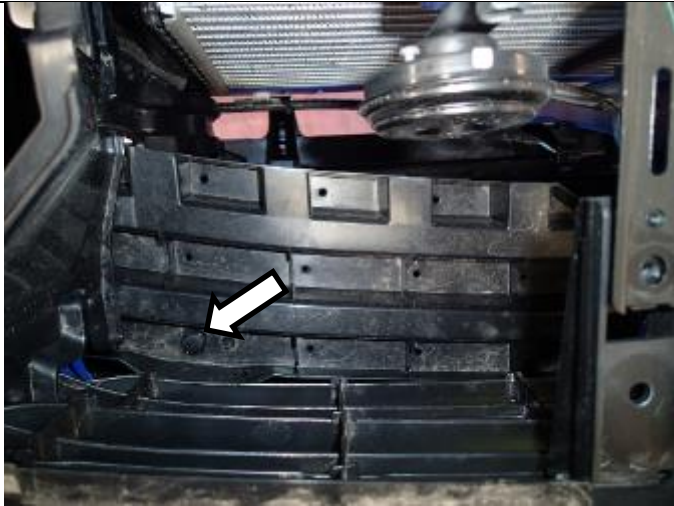


3. Remove upper grille retaining screws.

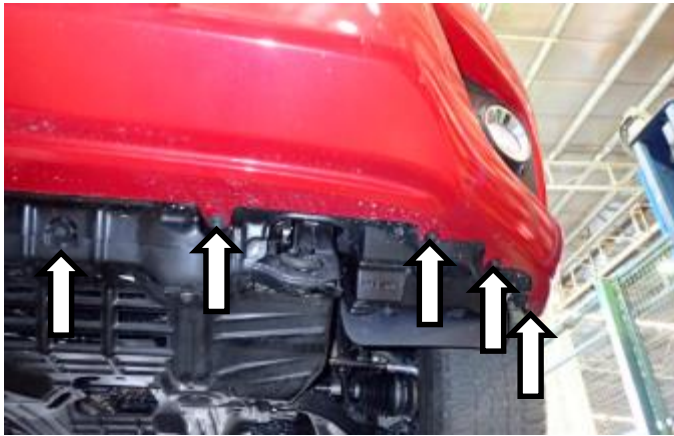
FITTING PROCEDURE (OEM BUMPER) – Continued



4. Remove all fasteners and scrivets retaining bumper along inside edge of wheel arches – (Right hand side shown).



5. Remove the scrivets used to fasten the lower grille tabs to the upper crush panel. (Right hand side shown).



6. Remove all fasteners and scrivets retaining bumper along lower lip – (Left Hand side shown).



7. Remove dressing piece from underside of bumper.

FITTING PROCEDURE (OEM BUMPER) – Continued



8. Ensure inner guards are unclipped from front bumper.



9. Disconnect fog light wiring – (Right Hand side shown).



10. Carefully remove bumper from vehicle by pulling on each side of the bumper near the wheel arches and working your way towards the centre.

Set grille and bumper aside for re-fitment procedure.



11. Remove plastic lower crush absorber from vehicle.

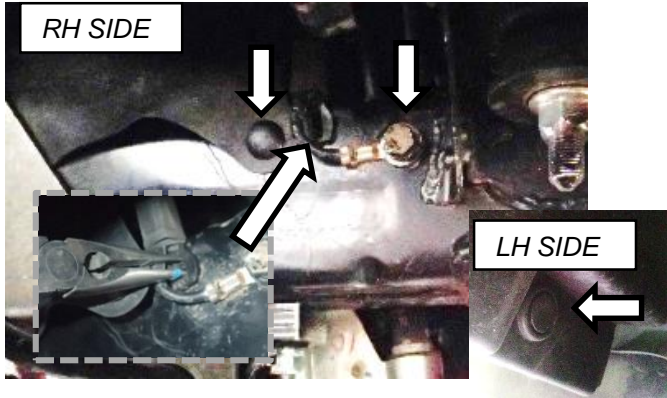
Note: Lower crush absorber is retained by plastic clips. Levering absorber free with a large screw driver may aid removal.

FITTING PROCEDURE (OEM BUMPER) – Continued



12. Remove 2 x M10 bolts on both sides (4 total) fixing crash beam to chassis and remove crash beam.

Note: Retain 4 x M10 bolts for re-fitment.



58. Unclip front most rubber fender liner clip as shown.

FOR RH SIDE ONLY

59. Unclip ground wire retain clip using needle nose pliers.

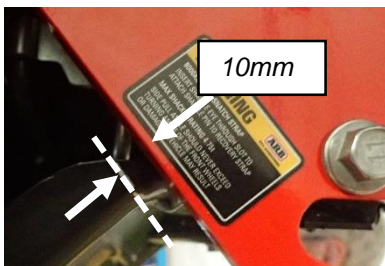
60. Remove grounding point bolt.

FOR LH SIDE ONLY.

61. Remove clip retaining fender liner to washer bottle, retain clip for latter installation.



62. Fasten recovery point to chassis using 2XM12X1.25X50 fine pitch flange bolt and 2XM12 washers.



FOR OEM UNDER VEHICLE PANEL

63. Using the recovery point as a guide mark a line on the under panel 10mm reward of the recovery point.

64. Remover OEM under panel.

65. Mark a second line following the radius on the under panel.

66. Using a hacksaw cut along marked lines.

67. De-burr edges using de-burring tool, file or sand paper.

68. Touch up cut edges with anti-corrosive spray paint.



Warning: Cutting and drilling operations can result in flying metal debris, safety glasses should be worn.

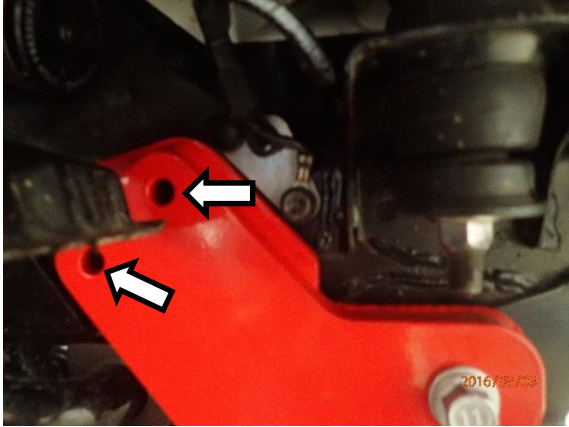
69. Re install under panel.



M8 – 22Nm



FITTING PROCEDURE (OEM BUMPER) – Continued



70. Using an electric drill with ϕ 12mm drill bit and using rear top hole of recovery point as guide, drill out existing hole in chassis to ϕ 12mm.
71. Using an electric drill with ϕ 12mm drill bit and using rear bottom hole of recovery point as drill guide, drill ϕ 12mm hole in chassis.

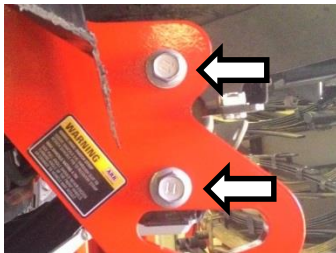
NOTE: Pilot hole may be required for drill, if so use ϕ 12mm drill to start hole and drill pilot hole with ϕ 7mm drill bit.



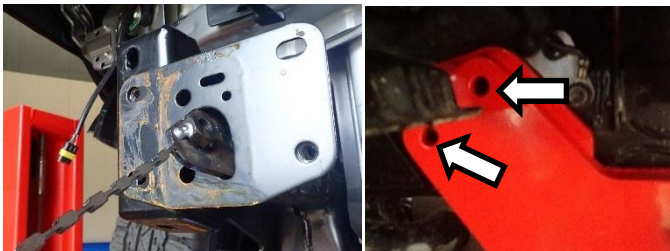
Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.



73. Remove 2 X fasteners holding recovery point.
74. De-burr drilled holes using de-burring tool, file or sand paper.
75. Touch up cut edges with anti-corrosive spray paint
76. If damaged during drilling process, touch up rear holes of recovery point.

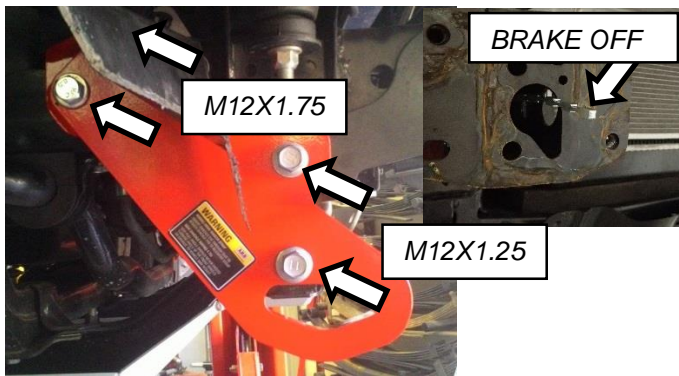


77. Re-fasten RECOVERY POINT to chassis using 2XM12X1.25 X 50 bolt and washer. **LEAVE FINGER TIGHT.**




78. Insert nut plate from inner side of chassis rail into rear large hole and align with hole drilled out in STEPS 69 & 70
79. Fasten RECOVERY POINT to chassis using 2XM12X1.75X60 bolt and washer. **LEAVE FINGER TIGHT.**


FITTING PROCEDURE (OEM BUMPER) – Continued



80. Tighten front 2XM12X1.25 bolts to specified torque.

 M12X1.25 – 89Nm

81. Tighten rear 2XM12X1.75 bolt to specified torque.

 M12X1.75 – 77Nm

82. Brake off end section of nut plate and bend so it sits within chassis rail.




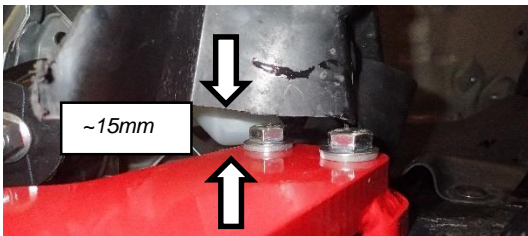
FOR RH SIDE ONLY

83. Reinstall ground wire with LOOM RELOCATION PLATE and bolt removed in STEPS 58&59 as shown.

84. Install loom clip fender liner and grounding wire clip into LOOM RELOCATION PLATE.

85. Align PLATE with recover point and tighten.

 M8 – 22Nm

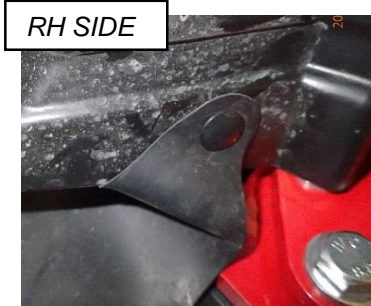


86. Using a multi tool trim inner edge of fender liner to give ~15mm clearance to recovery point.

87. Use a file or sandpaper to de-bur all cut edges



Warning: Cutting operations can result in flying metal debris, safety glasses should be worn.



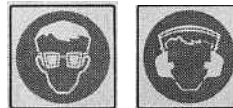
FOR RH SIDE ONLY

88. Using an electric drill with a ϕ 7mm drill bit, drill a hole in plastic fender liner.

89. Secure rubber fender liner to plastic fender liner using clip removed in STEP 57.

FOR LH SIDE ONLY.

90. Re-install clip removed in STEP 60 securing rubber and plastic fender liner to washer bottle.



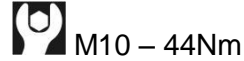
Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.



FITTING PROCEDURE (OEM BUMPER) – Continued



91. Re-install crush beam using 4XM10 OEM bolt.



92. Re-install plastic crush absorber in the reverse order to removal.

93. Re-install bumper and fender liners in the reverse order to removal.



WARNING LABEL

94. Trim plastic dressing piece removed in STEP 7 to allow for ~ 15mm clearance to Recovery point.

95. Use a file or sandpaper to de-bur all cut edges

96. Re-install plastic dressing piece in the reverse order to installation.

97. Add recovery point warning label onto bumper as shown.

FITTED PRODUCT – Recovery Point (RH SIDE SHOWN)

