



# FITTING INSTRUCTIONS

Part Number: **2840160 2840170**

Product

Description: **RECOVERY POINT FRONT RANGER RAPTOR**

Suited to

vehicle/s: **MY22 ON FORD RANGER RAPTOR**

Optional

Fitting Kits: **2840165 – Recovery Point Fit Kit No Bull Bar MY22 Ranger Raptor**

## WARNING

### NOTE THE FOLLOWING:

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any recovery point component, contact your nearest authorised ARB stockist. Repairs or modifications to the system must not be attempted.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels from this recovery point.
- ◆ 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

Corporate Head Office

42-44 Garden St  
Kilsyth, Victoria  
AUSTRALIA 3137

Tel: +61 (3) 9761 6622  
Fax: +61 (3) 9761 6807

Australian enquiries  
North & South American enquiries  
Other international enquiries

sales@arb.com.au  
sales@arbusa.com  
exports@arb.com.au

[www.arb.com.au](http://www.arb.com.au)

# 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:

Metric Socket Set	Metric Spanner Set
Torque Wrench 44-94Nm	Non-Marring Hammer
G Clamp	

### HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear 	Hearing protection 
--------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------

**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:

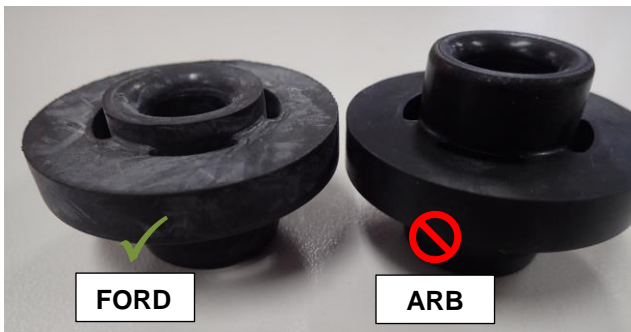
SIZE	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft
M12 Gr10.9	92Nm	69lbft

## PARTS LISTING

APPLICATION.	PART NO.	QTY	DESCRIPTION
FITMENT OF RECOVERY POINT	4655298/7	1	RP WELDMENT SUIT 2840170/160
	211512	1	OPERATOR INSTRUCTIONS CARD
	2125484	1	STICKER RECOVERY POINT
	4584363	2	WASHER FLAT M12X26X4
	6151300	1	NUT M6 CAGED 2.6-3.5MM 956-C
	6151304	1	NUT CAGED M10 3.3-4.7
	6151528	1	NUT HEX NYLOC M12X1.75
	6151974	4	SCREW HXHD FL M10X1.5X45
	6152092	1	BOLT HXHD M12X1.75X110
FITMENT OF RECOVERY POINT WITHOUT A BULLBAR P/N 2840165	3195705	1	BASEPLATE SPACER RP RAPTOR
	3195706	1	NUTPLATE RP RAPTOR
	3195753	2	SPACER PLATE RAPTOR REC POINT
	4584400	4	WASHER FLAT M10x25x3   TZP480
	4722009	1	TUBE CHASSIS CRUSH SUIT RANGER
	6151752	4	NUT FLANGE M10x1.5
	6152066	1	BOLT HXHD FL M12x1.75x50

**SKIP TO STEP 25 FOR FITMENT WITH OEM BUMPER**

**REFER TO 3440660 FITTING INSTRUCTION FOR BULL BAR FITMENT**



1. Recovery point fitment requires the original Ford intercooler isolator bushes. Discard both of the longer ARB variants supplied with the bull bar.

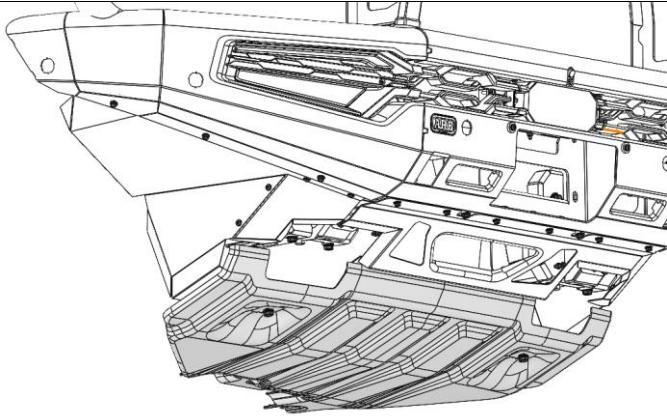
### FITTING PROCEDURE - IMAGES DEPICT RHS 2840170

**(Fitment With ARB Bull Bar 3440660)**

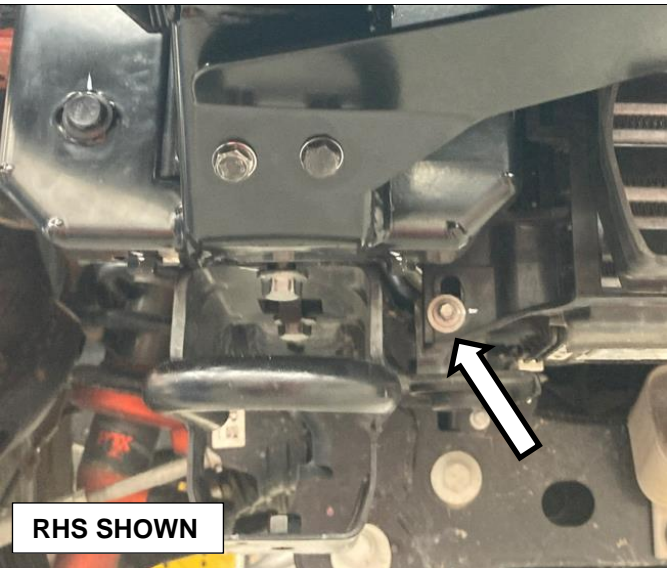
#### NOTE:

1. Some fasteners shown in fitment are included in bull bar fitting kits. Refer to bull bar fitting instructions.
2. If fitting both recovery points after bull bar fitment, fit one at a time to avoid removing bull bar.

**IF FITTING BULL BAR SKIP TO STEP 9.**

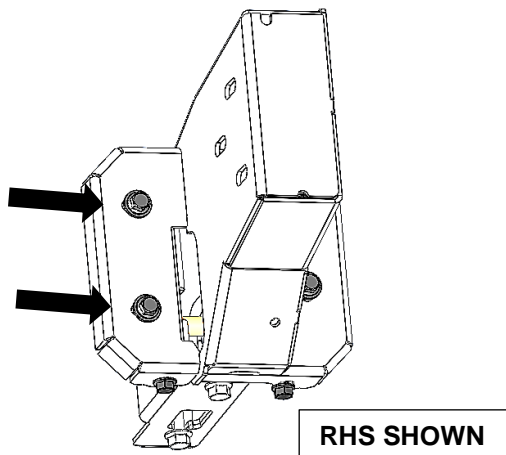


2. If already installed, remove centre bash plate, wing under panel, and ARB stone guards from bull bar. (Refer to ARB bull bar fitting instructions).



3. Remove bolt fastening the intercooler to the tow hook.
4. Remove the factory tow hook by removing the mounting bolts on the underside of the chassis.

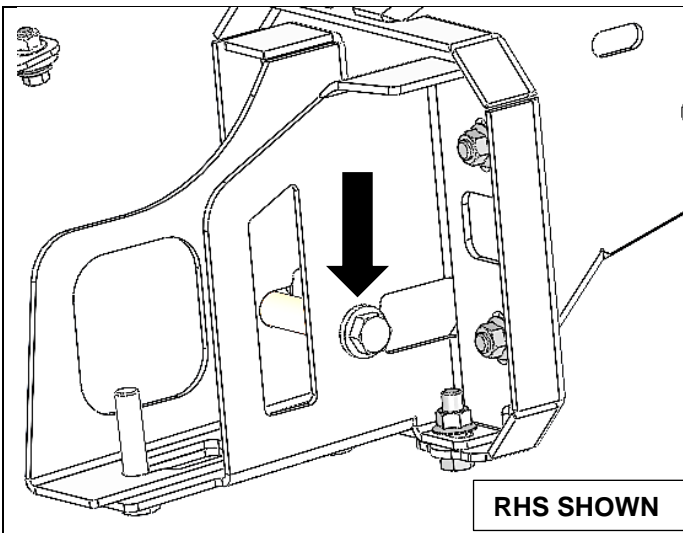
**Note: Retain all fasteners.**



5. Use a lifting trolley to support the side of the bull bar that is to have the recovery point fitted.
6. Remove four M10 bolts.

**Note: Retain all fasteners.**

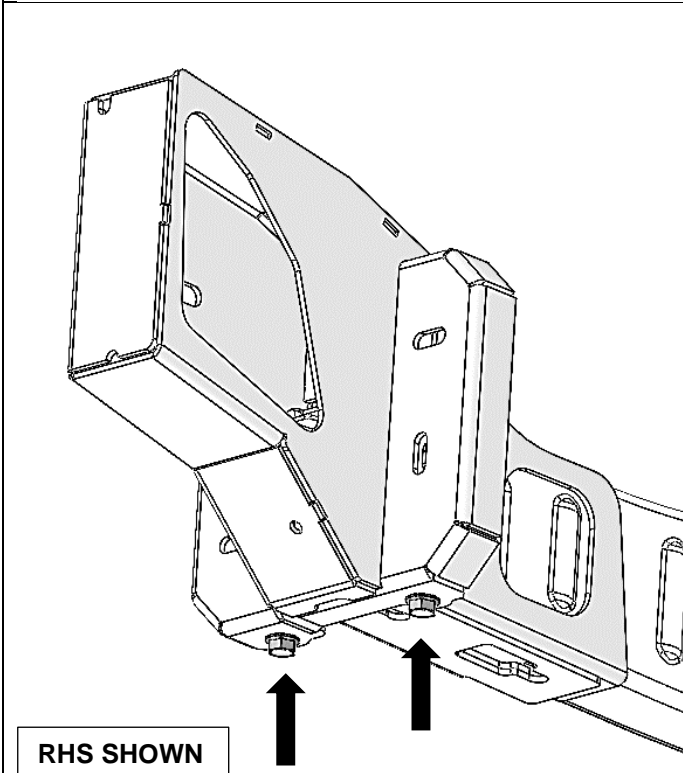
Note – Vehicle not shown for clarity.



- Remove M12 through bolt and crush tube, careful not to let the crush tube fall into the chassis.

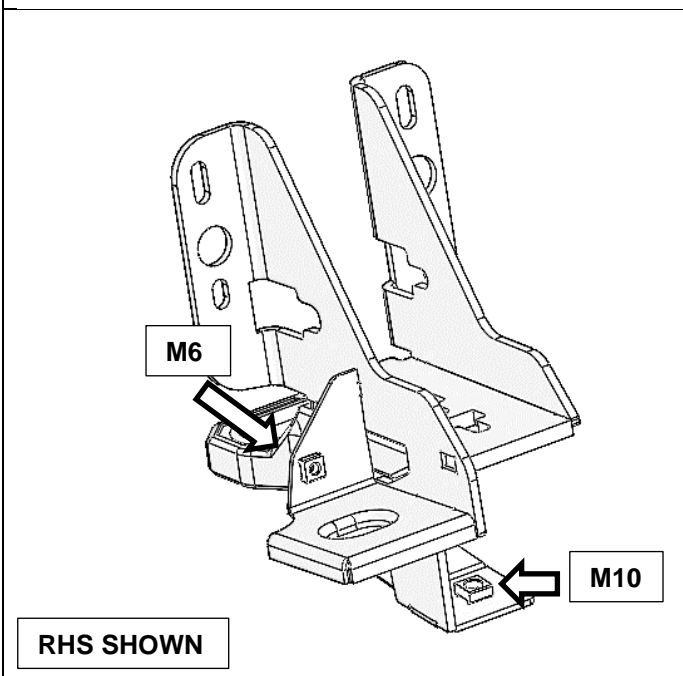
**Note: Retain all fasteners.**

Note – Vehicle not shown for clarity.

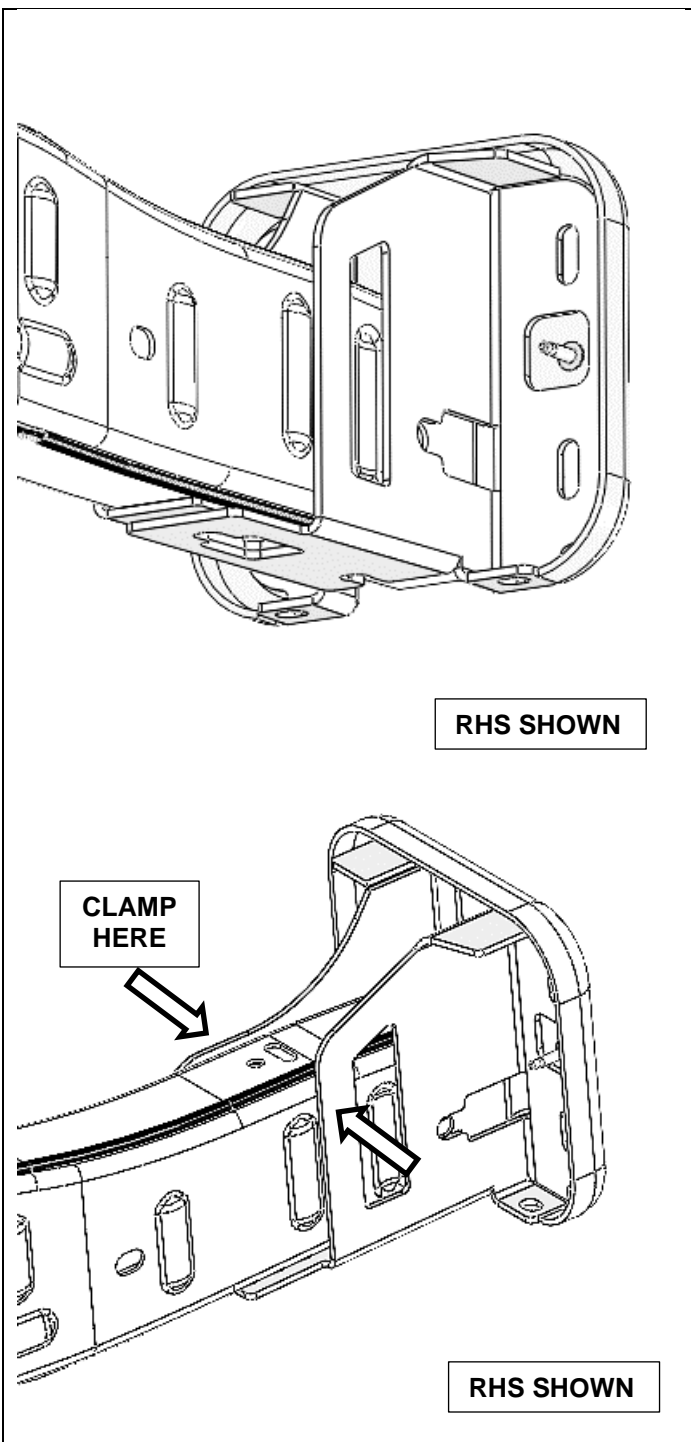


- Remove the two M10 bolts from the bottom flange of the mount.

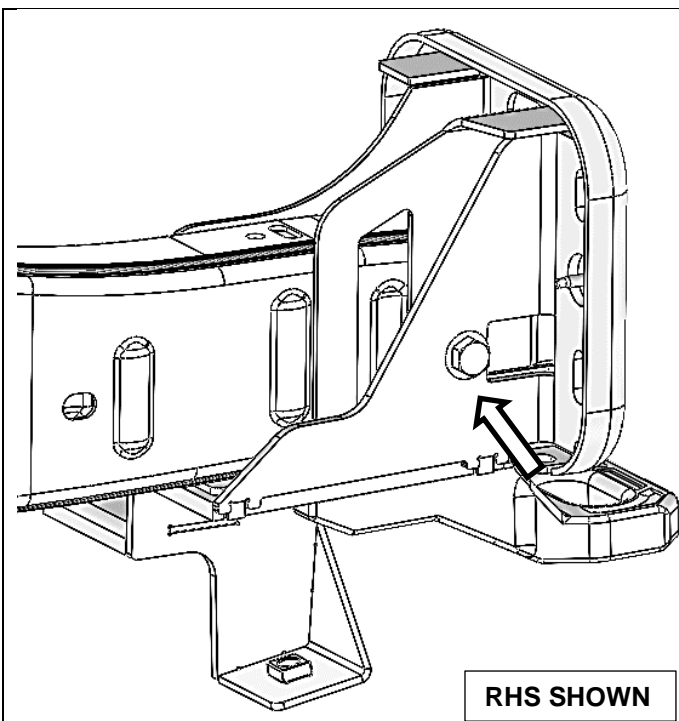
**Note: Retain all fasteners.**



- Insert M6 and M10 cage nuts into locations shown.



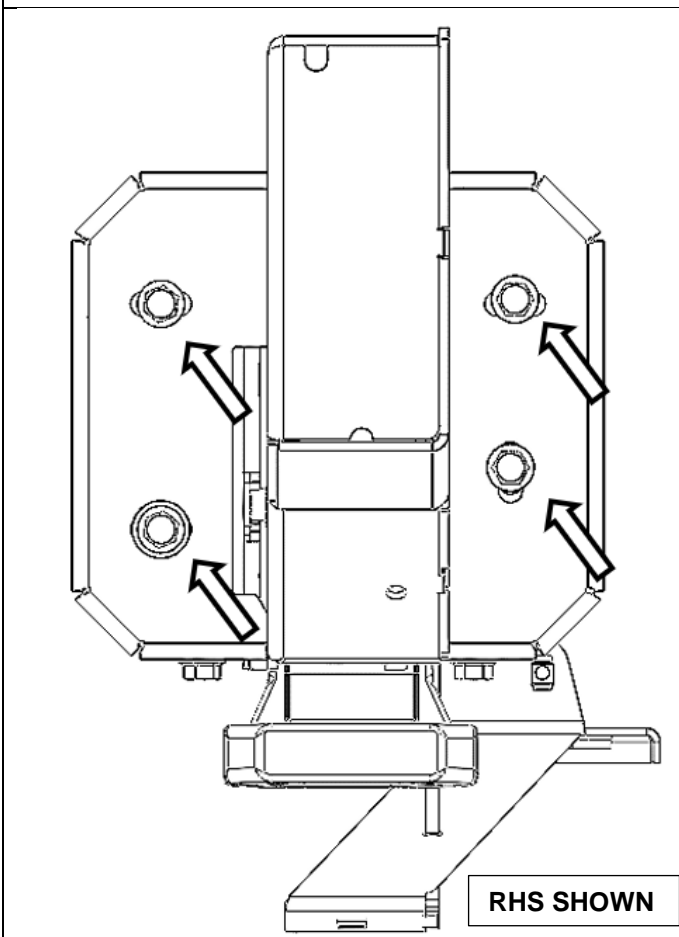
10. If not already in place, fit the inner and outer RHS chassis brackets over the chassis as shown. Ensure that the outer bracket sits underneath the inner bracket.
11. Use a G clamp or similar to clamp the top of the brackets to chassis in locations shown.



12. Assemble the recovery point over the chassis brackets.
13. Insert the crush tube, M12x110 bolt, washers and nyloc nut through the chassis. Leave finger tight.

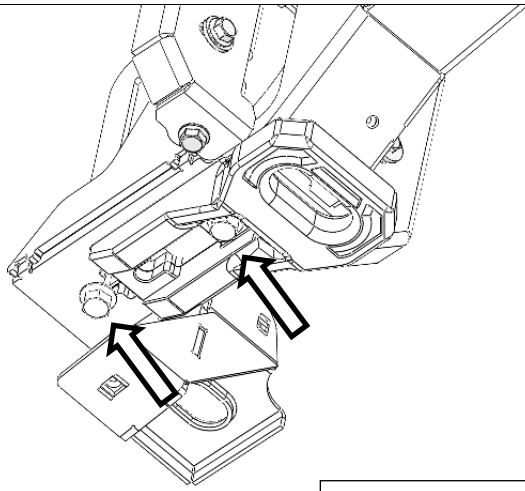
Note – Insert crush tube inboard of chassis, assemble bolt from outboard.

Note – Vehicle not shown for clarity.



14. Position chasis mount assembly over chasis endplate and insert the supplied four M10x45mm bolts and flange nuts through the mount and recovery point as shown. Do not fully tighten.

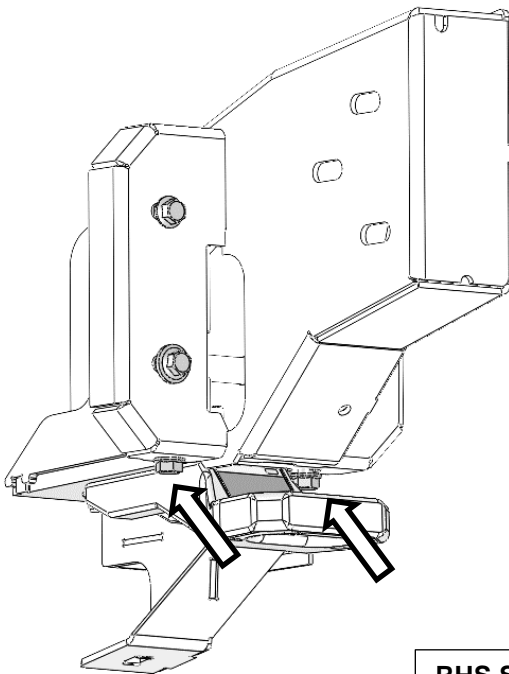
Note – Vehicle not shown for clarity.



RHS SHOWN


15. Insert M12x50 fastener supplied with the bull bar through the rear hole in the base into the chassis.

Note – Vehicle not shown for clarity.

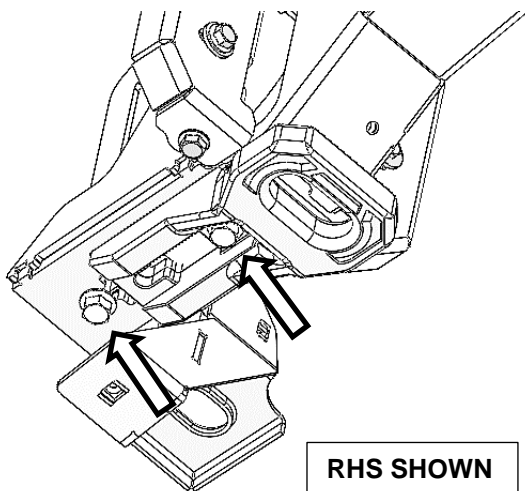


RHS SHOWN

16. Insert two M10x30 bolts and flange nuts as shown. Ensure flange nuts are on the top and bolt heads are on the bottom.
17. Torque M10 bolts to required torque spec.

 M10 - 44 Nm.

Note – Vehicle not shown for clarity.

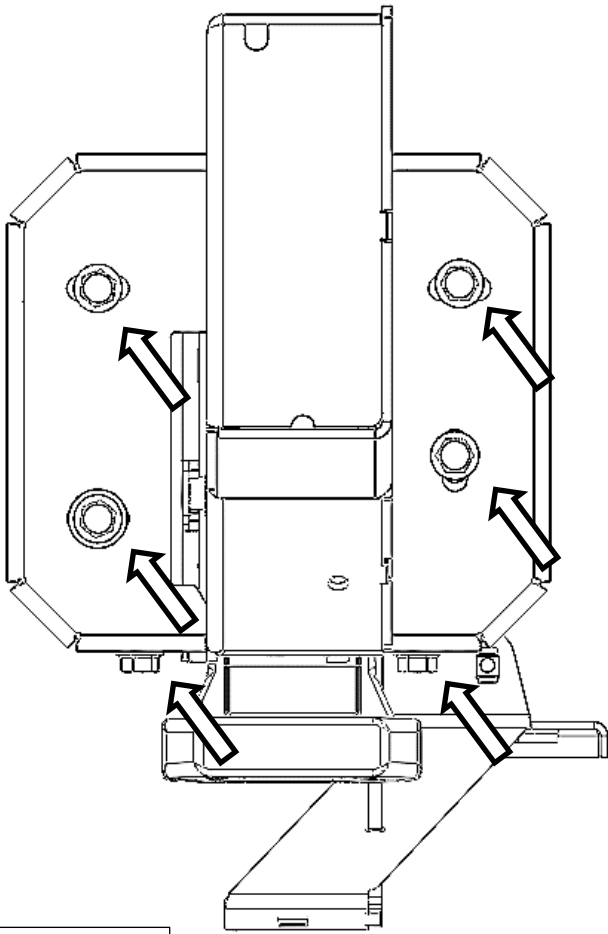


RHS SHOWN

18. Tighten M12 bolts at the base to ensure the recovery point is seated properly against the chassis and then loosen.


Note – Vehicle not shown for clarity.



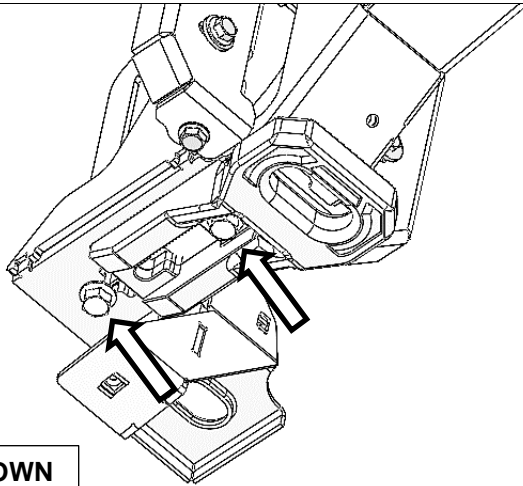


RHS SHOWN

19. Torque all six M10x45 bolts to required torque spec.

 M10 - 44 Nm.

Note – Vehicle not shown for clarity.

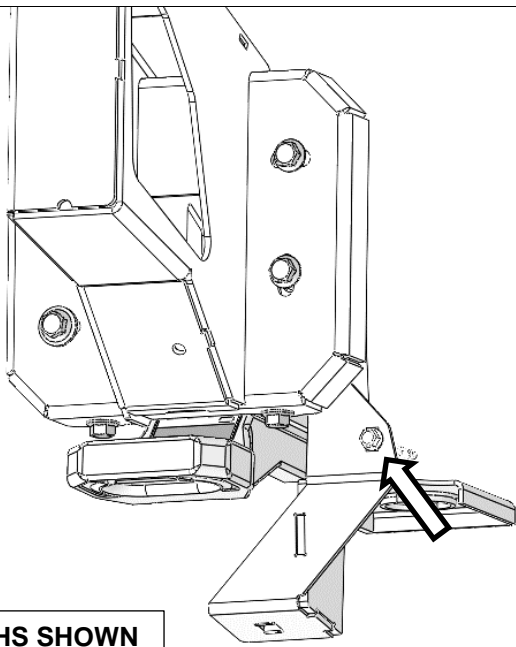


RHS SHOWN

20. Torque M12x50 bolts at the base to required torque spec.


 M12 PC10.9 - 92 Nm.

Note – Vehicle not shown for clarity.

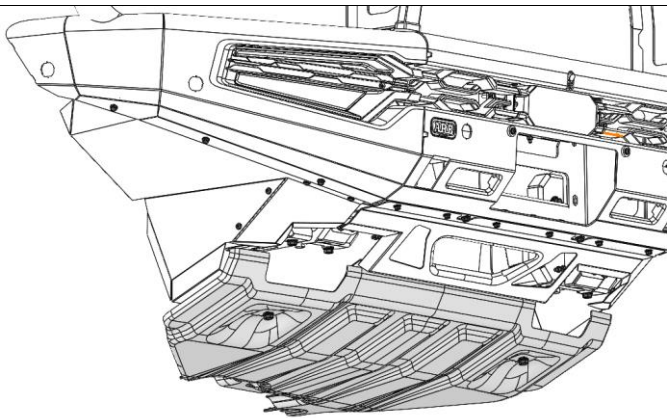


**RHS SHOWN**


21. Fasten intercooler to recovery point using fastener removed in Step 3.


 **M6 - 9 Nm.**

Note – Vehicle not shown for clarity.



22. Replace all under panels in reverse order to how they were taken off and torque to specification.

 **M6 - 9 Nm.**

 **M8 - 22 Nm.**



23. Place warning label adjacent in a location that would be visible to the operator. Clean area prior to placing sticker.

## Fitted Product



## FITTING PROCEDURE

### Fitment to vehicle without ARB bull bar

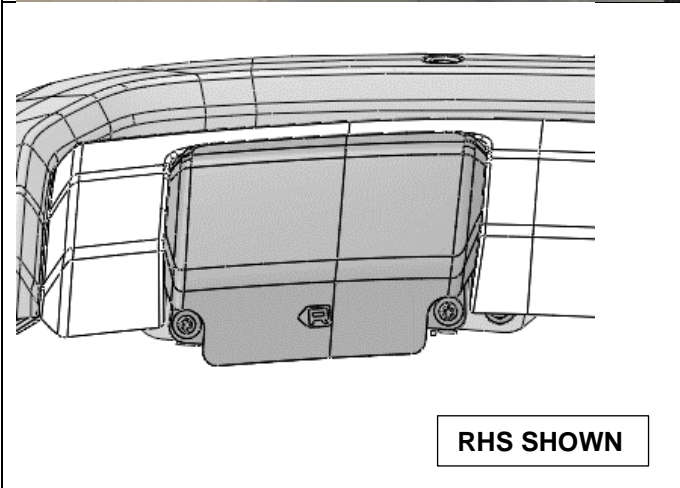
Requires Kit 2840165



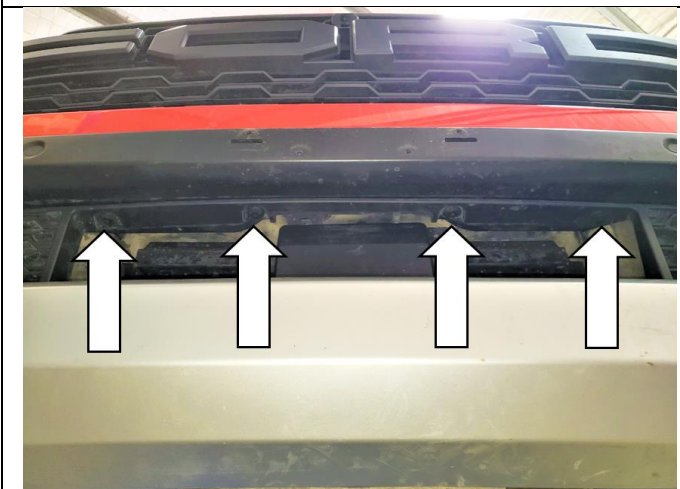
25. Remove bash plate by removing four M10 bolts.

Set aside for re-fitment later.

Take care not to scratch the vehicle.



26. Remove tow hook covers by removing two fasteners underneath. Discard removed parts and J-clips.



27. Remove four scrivenets shown.

Set aside for re-fitment later.





28. Unclip the lower bumper trim as shown.

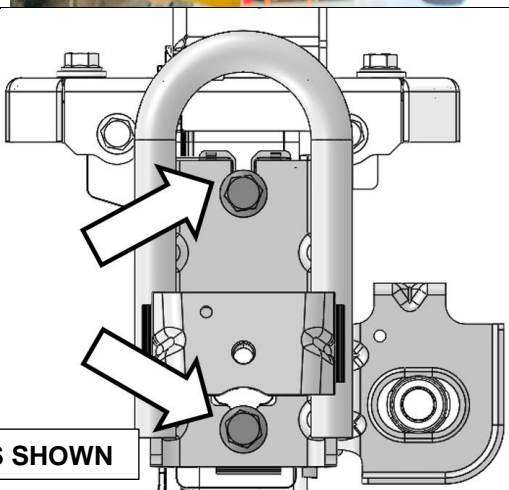
Set aside for re-fitment later.

Take care not to scratch the vehicle.



29. Remove M6 fastener shown.

Retain for fitment later.

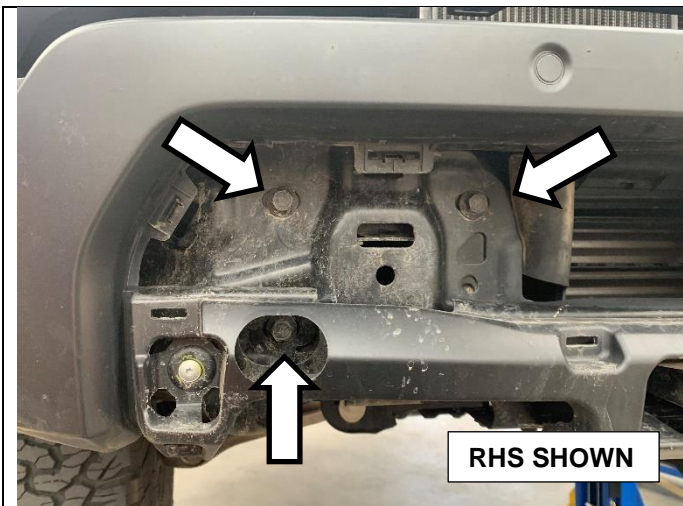


30. Remove both factory tow hooks by removing two M12 bolts.

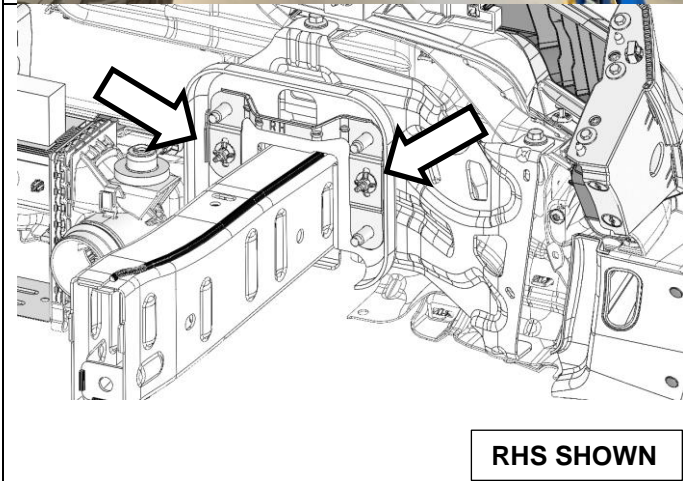
Discard tow hooks

Retain one fastener per recovery point for fitment later.

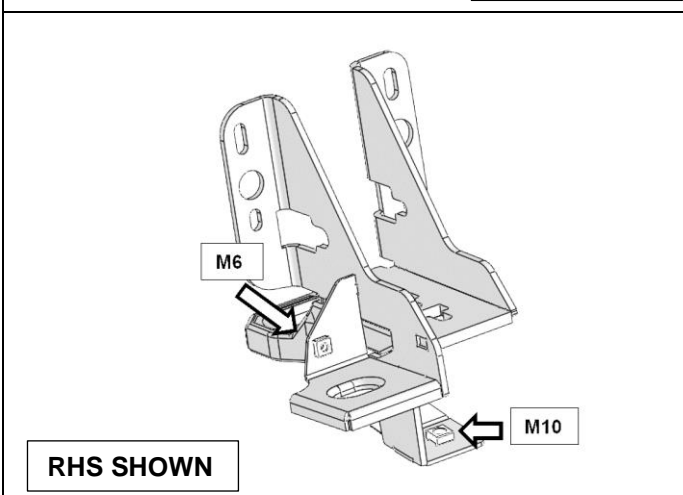
**NOTE – IF FITTING BOTH RECOVERY POINTS, FIT ONE AT A TIME TO AVOID COMPLETELY REMOVING BUMPER.**



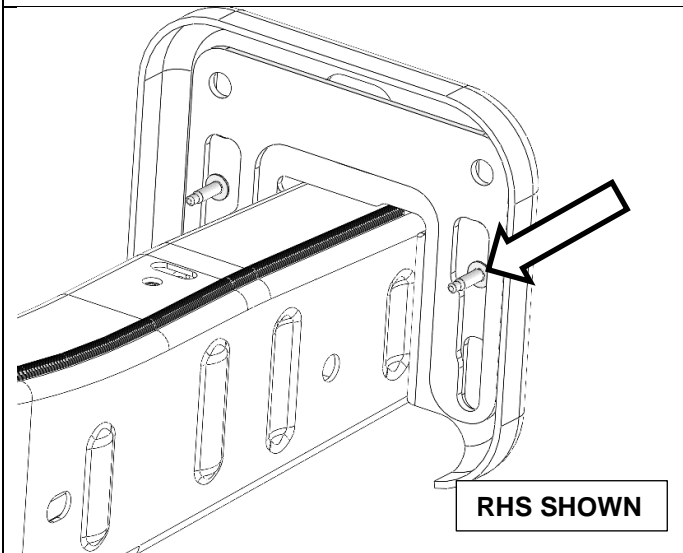
31. Remove three bolts holding bumper onto chassis endplate.



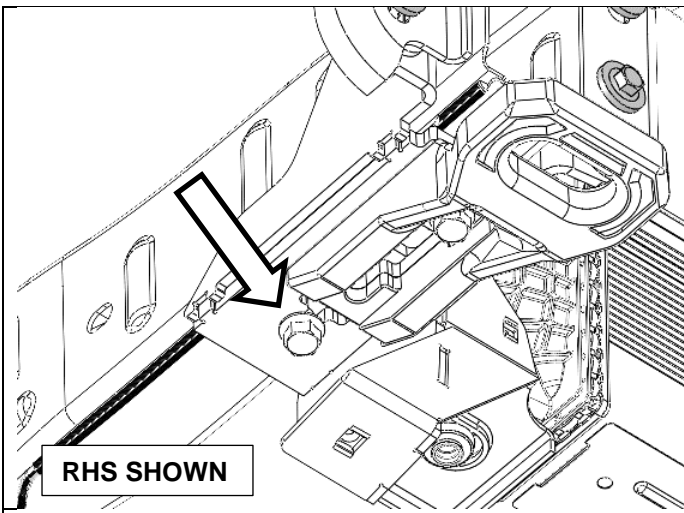
32. Remove plastic caps holding on the endplate nut plate. Retain plastic caps for fitment later, discard nut plate.



33. Insert M6 and M10 cage nuts into locations shown.

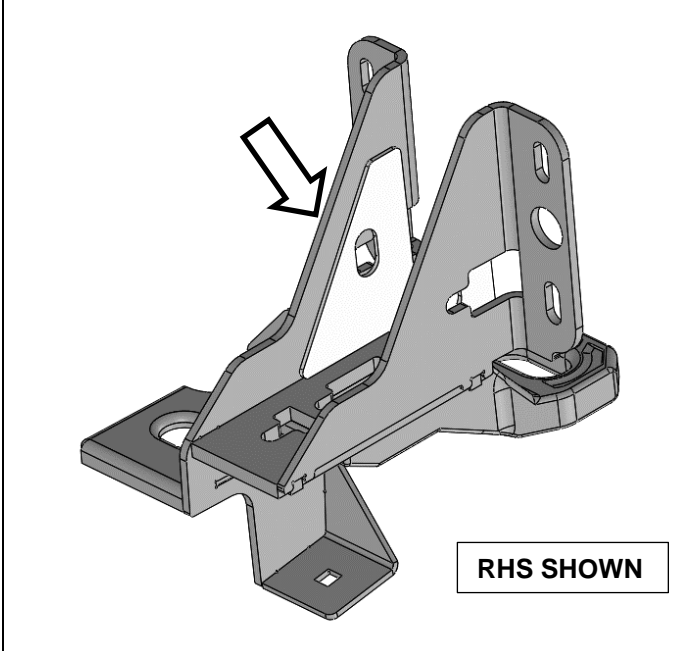


34. Insert nut plate into chassis and fasten to chassis using one plastic cap removed in Step 32 onto the outside stud shown.



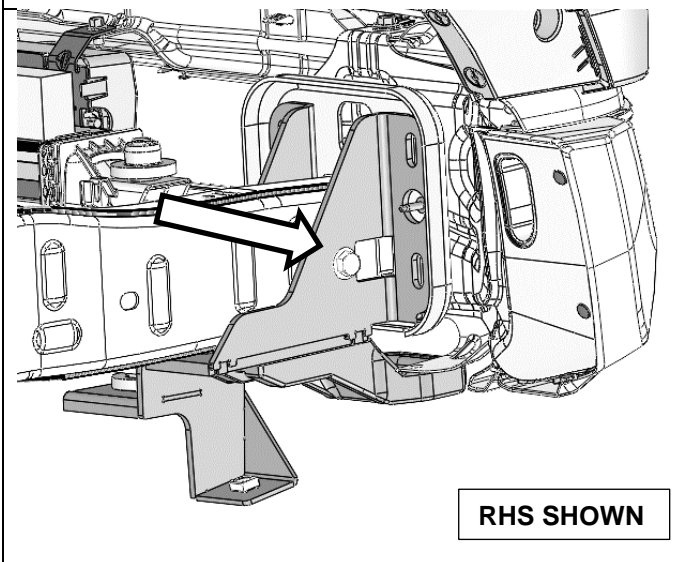
35. Insert the recovery point over the chassis and insert an M12 flange head bolt removed in Step 30 into the rear most hole on the underside of the recovery point.  
Leave finger tight.

Note – This is to temporarily hold recovery point in place and will be removed.



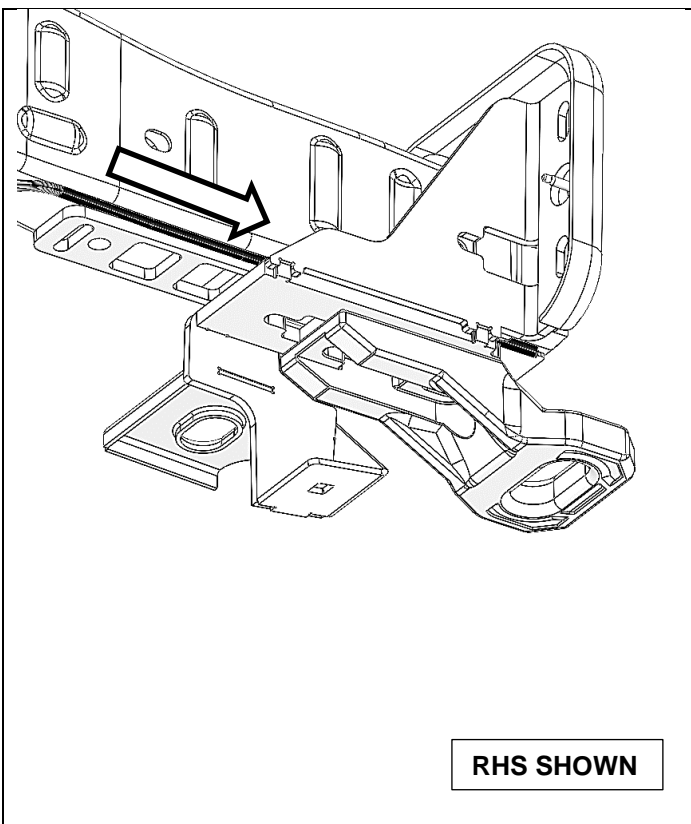
36. Insert two triangular spacer plates on either side of the chassis between the recovery point.

Note – Vehicle not shown for clarity.

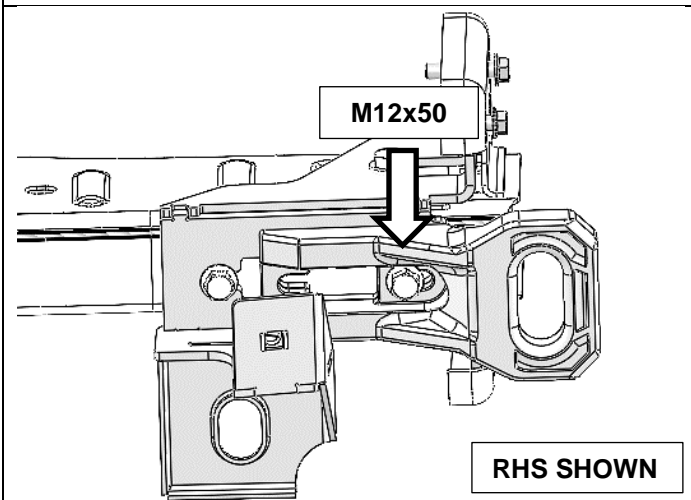
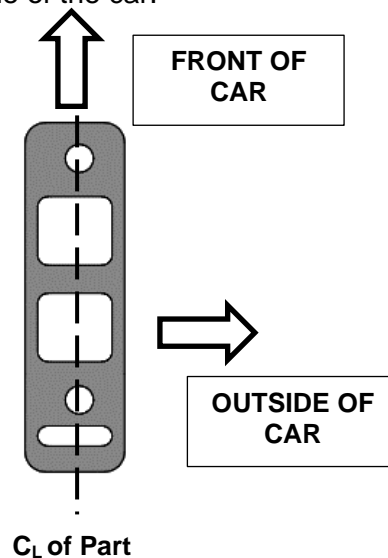


37. Insert the crush tube, M12x110 bolt, washers and nyloc nut through the chassis. Crush tube must be inserted from the inboard side of the chassis.

Leave finger tight.



38. Remove M12 flange head bolt installed in Step 35.
39. Slide packer between chassis and recovery point. The slot on the packer needs to be at the back and the holes need to be closest to the outside of the car.



40. Re-install M12 flange head bolt from step 38 in the rear mount hole of the recovery point. Install supplied M12x50mm flange head bolt in the front mount hole.

Leave finger tight.




41. Fasten intercooler to recovery point using M6 fastener removed in Step 29.








42. Fasten four M10x45 flange head bolts, washers and flange head nuts through the front of the bumper. Torque to required specification.


 M10 - 44 Nm.


43. Fasten remaining bolts to required specification.


 M12 PC10.9 - 92 Nm.



44. Replace removed bumper section, number plate and bash plate removed in Steps 25, 27-28.

 M6 - 9 Nm.

 M8 - 22 Nm.

 M10 - 44 Nm.



45. Place warning label adjacent in a location that would be visible to the operator. Clean area prior to placing sticker.

## FITTED PRODUCT

