



## Toyota Landcruiser 70 Series MY2017+ SINGLE CAB (5 Star Safety Update) Mounts

### IMPORTANT! – READ BEFORE INSTALLATION

- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in color, for best legibility.
- **These Instructions apply to ONLY MY2017-2022 Single Cabs, with 5 Star ANCAP Safety Rating**
- **Follow Main Bar fitting instruction once mounts are fitted.**

## GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre trip or on an annual basis) on the installed product. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

## BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

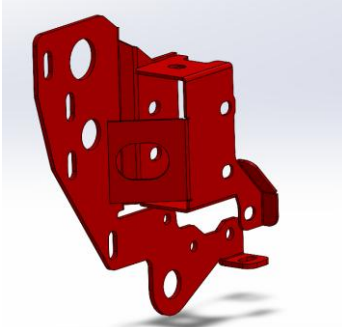
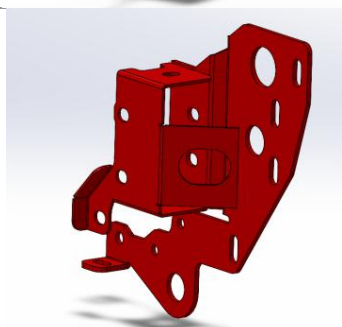
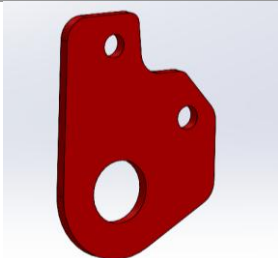
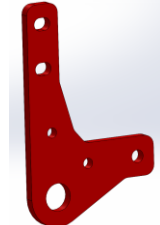
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

**Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.**

## PARTS LISTING

**IMPORTANT:** Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

### Main Parts – In the Box

Qty	Part Number	Description	Image
1	FB-TLC-79-17-PR-ASM2R	70 Series MY17 + Single Cab Front Mount Assy	
1	FB-TLC-79-17-PR-ASM2L	70 Series MY17 + Single Cab Front Mount Assy	
2	P-0315	LC70 Single Cab Front Bar - Tow Spacer	
2	P-0314	LC70 Single Cab Front Bar - Tow Outer	

### Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION
2	M10X40X1.25	Bolt Hex, M10X40X1.25, GR8.8 ZP
6	M10 FW LHD	WASHER, FLAT M10X28.5X2.5







## TOOLS REQUIRED

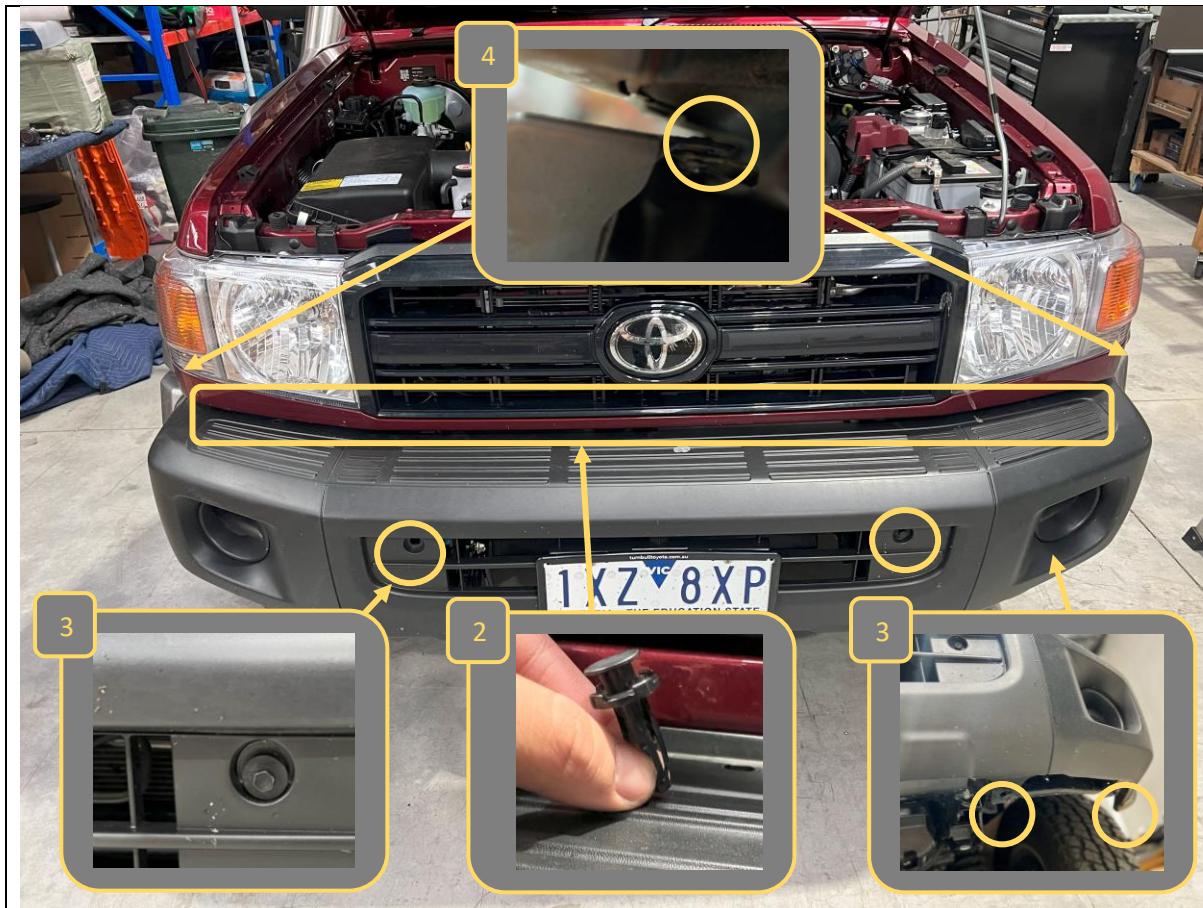
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-19mm Socket Extension Bar Metric Spanner Set 10-19mm Trim Puller Tool	Electric/Air Impact Driver (Optional)	

## WORKSHOP SAFETY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

<p>Hearing Protection</p> 	<p>Always wear ear protection when using power tools.</p>
<p>Eye Protection</p> 	<p>Ensure eye protection is always worn when cutting or drilling.</p>
<p>Manual Handling</p> 	<p>Do not attempt to lift bar assemblies or rock sliders on your own.</p> <p>Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.</p>
<p>Vehicle Support</p> 	<p>Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.</p>



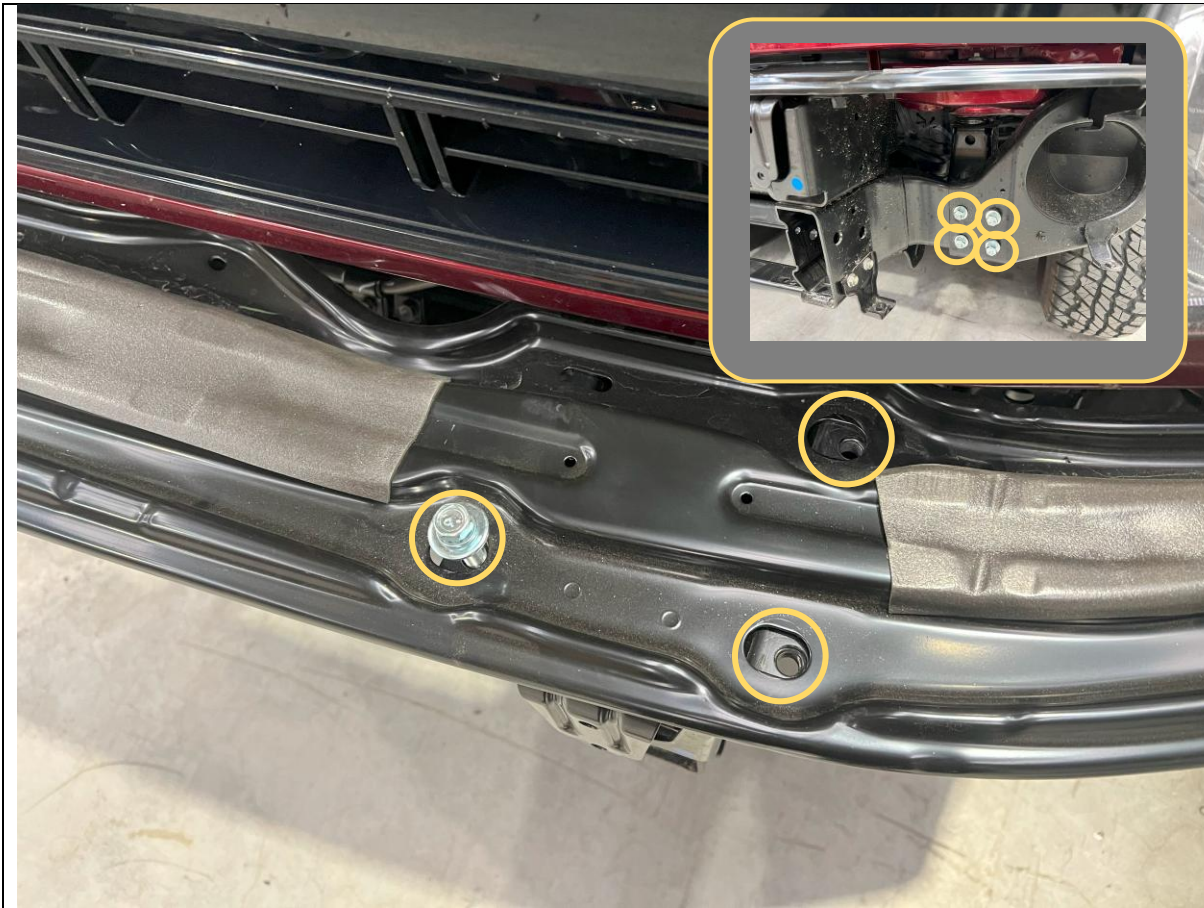
1. These instructions show the bumper removal and mount fitment for MY2017+ 5 Star Safety facelift LC79 single cab vehicles.
2. Remove Plastic Bumper cover. Release the clips in the top edge under the grille using a trim tool.
3. Remove Bolts, securing plastic bumper cover on the front and underside.
4. There are also 2x 10mm head bolts at the extreme edge of the bumper near the wheel arch.

#### TOOLS REQUIRED

Socket and Spanner Set  
Trim Tool

#### FASTENERS





5. Remove the metal top panel of the bumper by removing the bolts on the top and front face as shown.

#### TOOLS REQUIRED

Socket and Spanner Set

#### FASTENERS

Factory Bolts



6. Remove top panel supports by removing the two bolts securing it to the main impact beam.
7. Retain the rear long M12 bolt, washer and Flange nut for re-fitment of the bulbar mounts.
8. Complete on both sides.

#### TOOLS REQUIRED

Socket and Spanner Set

#### FASTENERS

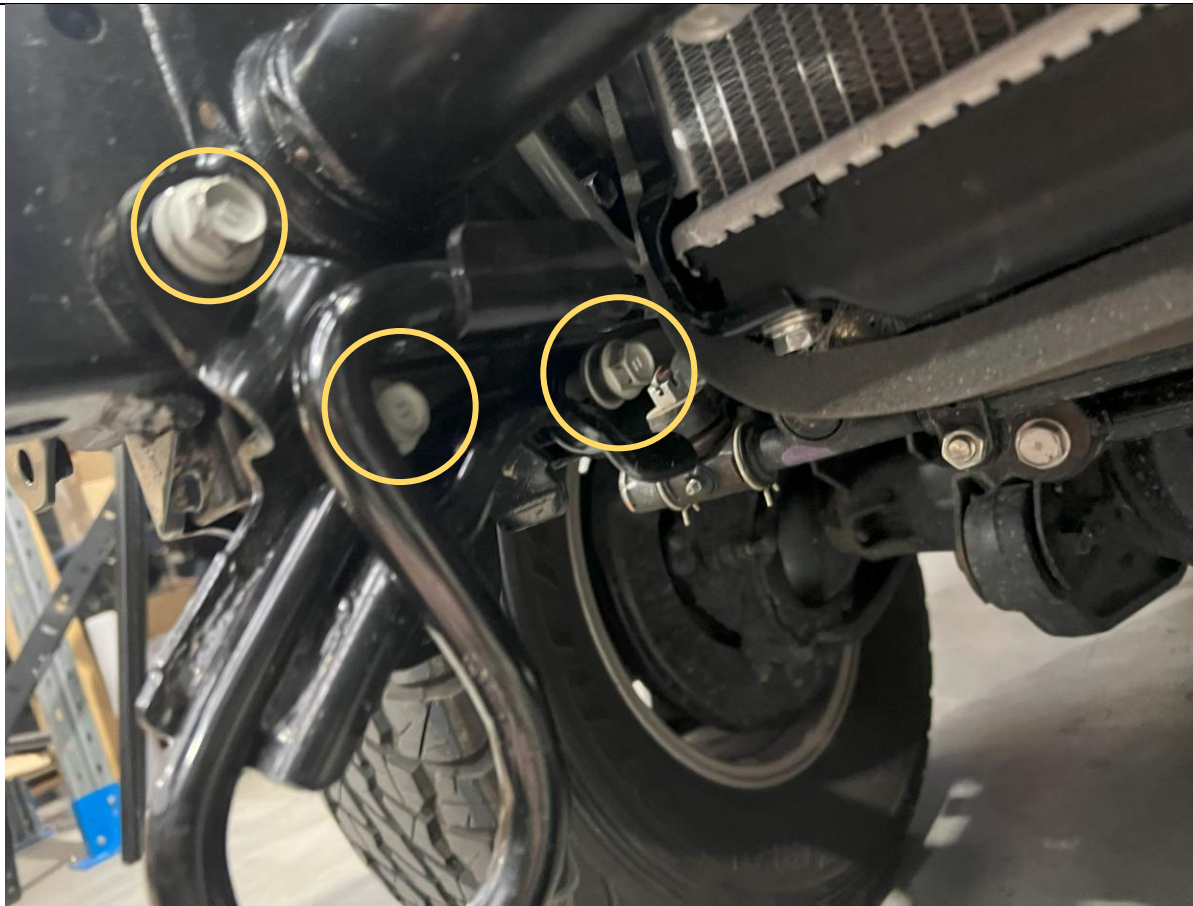




9. The main impact bar should now be loose.  
Remove from the vehicle by pulling forward.

**TOOLS REQUIRED**

**FASTENERS**

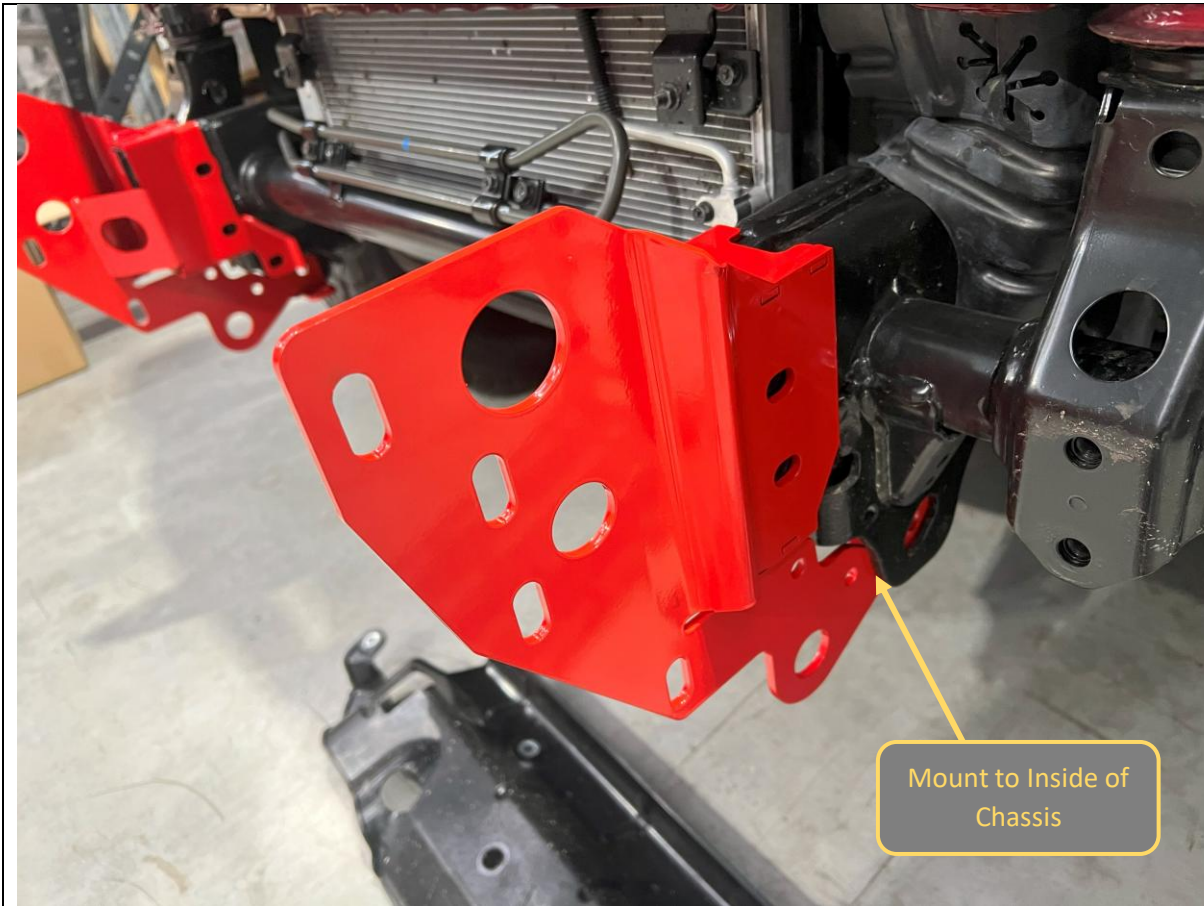


10. Remove the factory bolts securing the factory tie down point. Remove the tie down point.

#### TOOLS REQUIRED

Socket and Spanner Set

#### FASTENERS



11. Place the bulbar mounts from the Single cab fitting kit (not the main bar box) over the ends of the chassis rails.
12. The lower edge of the mount needs to side Inboard of the factory chassis.

#### TOOLS REQUIRED

#### FASTENERS



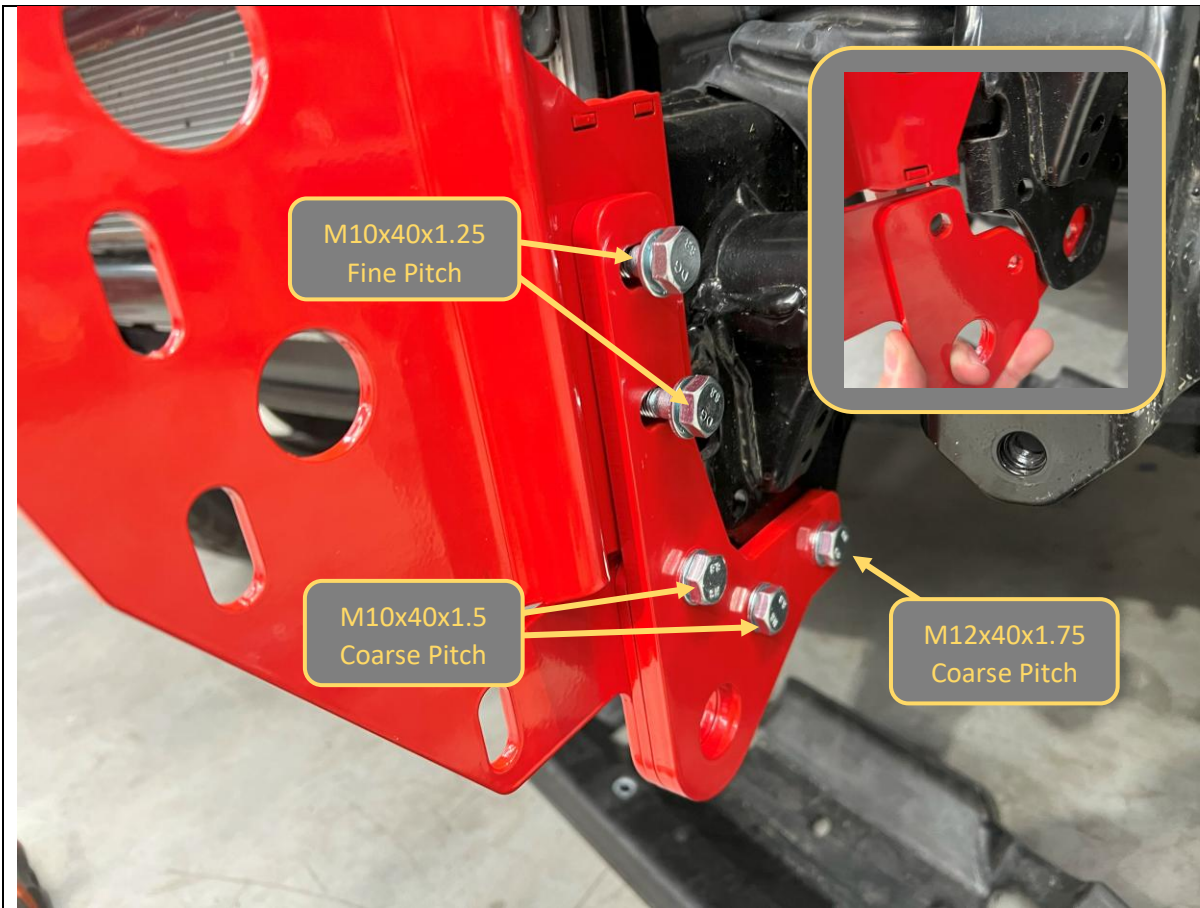


13. Re-using the Long M12 bolt from the removal of the bumper, secure the mount through the chassis. Leave loose at this stage.

**TOOLS REQUIRED**

**FASTENERS**

Factory Long M12 Bolt



14. Align Tow spacer and Tow Outer plates with the bolt holes in chassis and Impact assembly
15. For the following steps unless indicated otherwise use fasteners from the Bull bar kit.
16. Secure to chassis captive nuts using M10x40x1.25P (Fine Pitch) bolts and Flat Washers. Take care not to cross thread the chassis captive nuts.
17. Secure to impact assembly using 2x M10x M10x40x1.5P (Coarse Pitch) Bolts Flat washers and Flange nuts and the M12x40x1.75P Bolt, nut and washer at the back of mount.

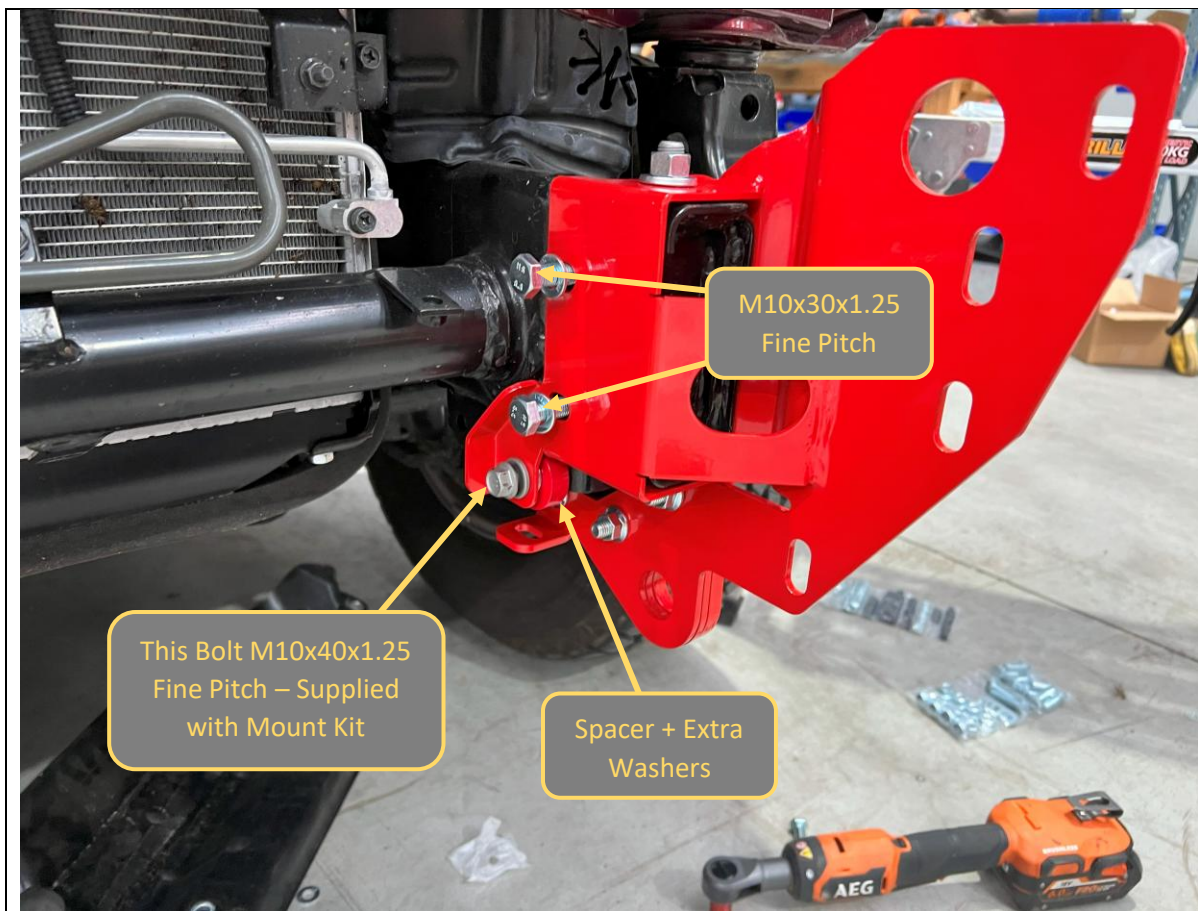
#### TOOLS REQUIRED

18 mm Socket and Spanner  
16 mm Socket and Spanner

#### FASTENERS

2x M10x40x1.25p (Fine) Hex Bolts  
2x M10x40x1.5p (Coarse) Hex Bolts  
4x M10 Flat Washer  
2xM12 Flange Nuts  
1xM12x40 Hex Bolt  
1xM12 Flat washer  
1xM12 Flange Nut  
Per Side





18. Secure mount to opposite side of chassis using 2x M10x30x1.25P (Fine) bolts.

19. Secure the rearmost point with M10x40x1.25 Bolt with spacer (**supplied with mount kit**). Take care not to cross thread the chassis captive nuts.

20. Fit additional M10 washers (**supplied with mount kit**) with the spacer to take up all the gap between the edge of the chassis and the mount.

21. Secure and tighten mounts. Repeat all steps for other side.

#### TOOLS REQUIRED

16 mm Socket and Spanner

#### FASTENERS

2x M10x30x1.25P (Fine) Bolts  
1x M10x40x1.25P (Fine) Bolt (mount kit)  
3x M10 Flat Washer  
Extra M10 Washers (mount kit)  
1x P-0024 Spacer



22. Continue bar installation. Refer to Landcruiser 70 series Front Bar main instructions.

#### TOOLS REQUIRED

FB-TLC-70-07-PR-ASM0 Instructions  
Or  
FB-TLC-70-24-PR-ASM0 Instructions

#### FASTENERS