



FITTING INSTRUCTIONS

Part Number: **5425100**

Product Description: UNDER VEHICLE PROTECTION

Suited to vehicle/s: TOYOTA LC300

Please place these instructions in vehicle glovebox when complete.

WARNING

REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG:

When installed in accordance with these instructions, the vehicle protection panels do 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 (if any) from this product.
- ◆ 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.
- ◆ 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 ARB vehicle protection, you have bought a product that is one of the most sought after 4WD products in the world. Your under vehicle protection panels are a properly engineered, reliable, quality accessory that represents excellent value.



- While these panels have been engineered for strength and functionality, care and good judgment should be taken when traversing difficult off-road conditions to minimise damage to panels and vehicle.
- During servicing when panels are removed, ensure fasteners are re-fitted to the correct torque values.
- Inspect panels visually on a regular basis. Dirt and foreign matter should be washed out to minimise build-up around hot components. **BE VERY CAREFUL** when removing foreign matter with hands while vehicle is hot or running. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

| | |
|----------------|---------------|
| BASIC TOOL KIT | TORQUE WRENCH |
| PISTOL DRILL | STEP DRILL |

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.

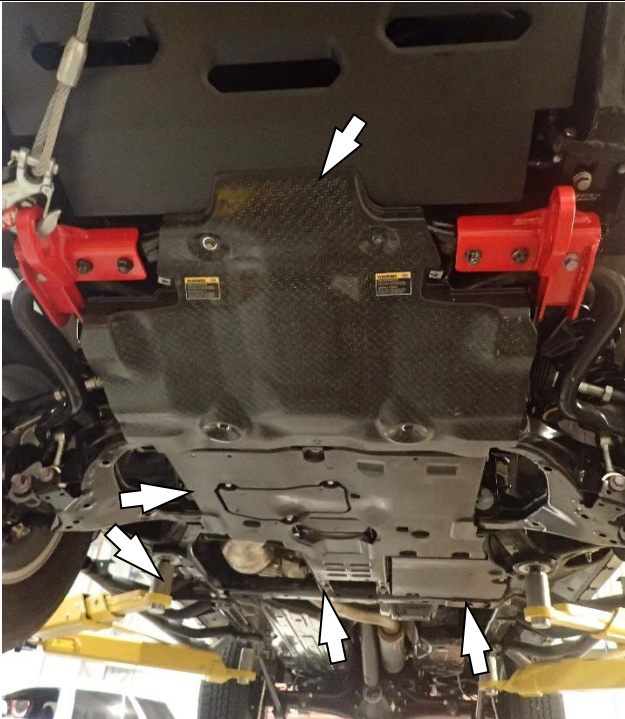
FASTENER TORQUE SETTINGS (unless otherwise specified):

| SIZE | Torque Nm | Torque lbft |
|------|-----------|-------------|
| M8 | 22 | 16 |
| M10 | 44 | 32 |
| M12 | 77 | 57 |

PARTS LISTING

| APPLICATION. | PART NO. | QTY. | DESCRIPTION. |
|--------------------------|----------|------|---------------------------|
| FIT FRONT PANEL | 6523559 | 1 | WELDMENT FRONT UVP |
| | 6151747 | 2 | RIV NUT M12x1.75 |
| | 6151355 | 2 | BOLT HXHD M12x1.75x30 |
| | 4584363 | 2 | WASHER FLAT M12x26x4 |
| FIT DIFF PANEL | 6523561 | 1 | WELDMENT DIFF UVP |
| | 3195581 | 2 | CV SHIELD |
| | 6151262 | 8 | BOLT HXHD M8x1.25x20 |
| | 4584393 | 8 | WASHER FLAT M8x19x2 |
| LCR CROSS MEMBER MNT | 4655213 | 1 | CROSSMEMBER LINK |
| FIT TRANSMISSION PANEL | 6523565 | 1 | TRANSMISSION UVP ASSY |
| | 6151262 | 4 | BOLT HXHD M8x1.25x20 |
| | 4584393 | 4 | WASHER FLAT M8x19x2 |
| FIT CROSS MEMBER SUPPORT | 4655215 | 1 | REAR CHASSIS CHANNEL |
| | 3195580 | 4 | CHASSIS SPACER |
| | 6151786 | 2 | BOLT HXHD FL M10x1.25x135 |
| | 4584399 | 4 | WASHER FLAT M10x25x3 |
| | 6151969 | 2 | NUT FLANGE M10x1.25 |
| FIT TRANSFER CASE PANEL | 6523567 | 1 | TRANSFER ASSY |
| | 3759081 | 2 | ASSY WELD NUT T6 RP |
| | 6151262 | 2 | BOLT HXHD M8x1.25x20 |
| | 4584393 | 2 | WASHER FLAT M8x19x2 |
| | 4584366 | 2 | WASHER FLAT M10x30x4 |
| | 4584399 | 2 | WASHER FLAT M10x25x3 |
| | 6151232 | 2 | BOLT HXHD M10x1.5x30 |
| M12 NUT SERT FITMENT | 3194763 | 1 | PLATE NUTSERT INSTALL M12 |
| | 6151360 | 1 | BOLT HXHD M12x1.75x35 |

FITTING PROCEDURE



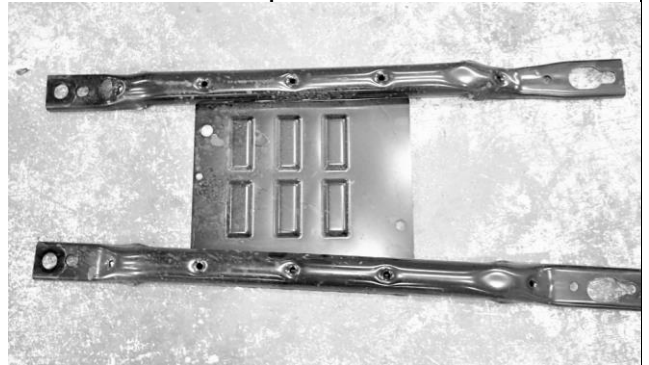
Factory under vehicle protection




CHASSIS DRILLING



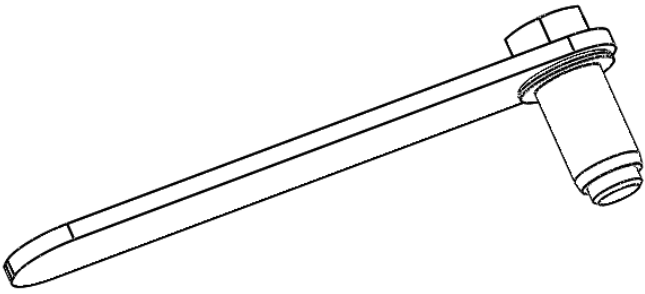
1. Remove factory stone shields from vehicle. Start at the rear and move forward.
2. Discard the 3 panels and steel frame shown below. Keep all the fasteners.




Do NOT remove the Transfer case shield.

3. Remove plastic cover from the rear Transmission cross member and discard.
4. Located on the forward most cross member are two $\text{Ø}15.0\text{mm}$ holes. Using a pistol drill and step drill, open these holes to $\text{Ø}16.0\text{mm}$.

5. Deburr the two holes and paint both holes.

FITMENT OF FRONT UVP



6. Assemble an M12 Riv-Nut and the M12x35 bolt through the 150mm long plate as shown.
7. Fit an OEM M12 bolt into the chassis to act as a stop, then insert the assembled Riv-Nut into to drilled hole as shown.
8. Tighten the M12x35 bolt to secure the Riv-Nut into the chassis.

 M12 - 77 Nm.

9. Repeat steps 6-8 for the second drilled hole.



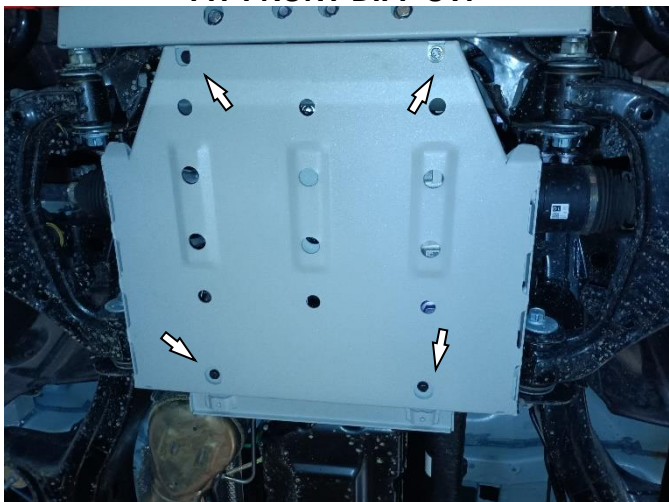
Fitted RIV NUTS Shown



PANEL MOUNTING WELDMENT



FIT FRONT DIFF UVP



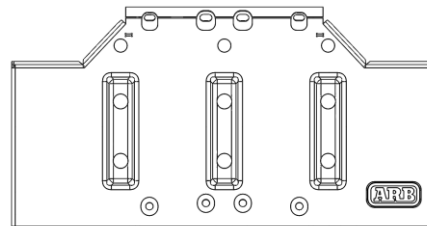
10. Using two M12x30 HXHD bolts and two M12 washers align the Front panel to the newly fitted M12 RIV Nut.
11. Finish attachment of the front panel using two M10 and four M12 OEM fasteners and torque to spec.



M10 - 44 Nm.



M12 - 77 Nm.



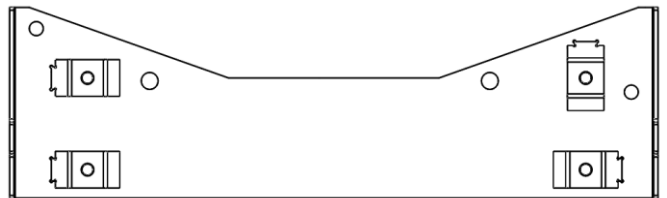
12. Using two M12 and two M10 OE fasteners, fit the CROSSMEMBER LINK to the Rear LCA cross member and torque to spec.



M10 - 44 Nm.



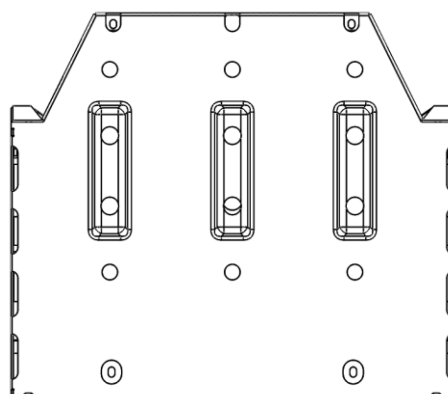
M12 - 77 Nm.



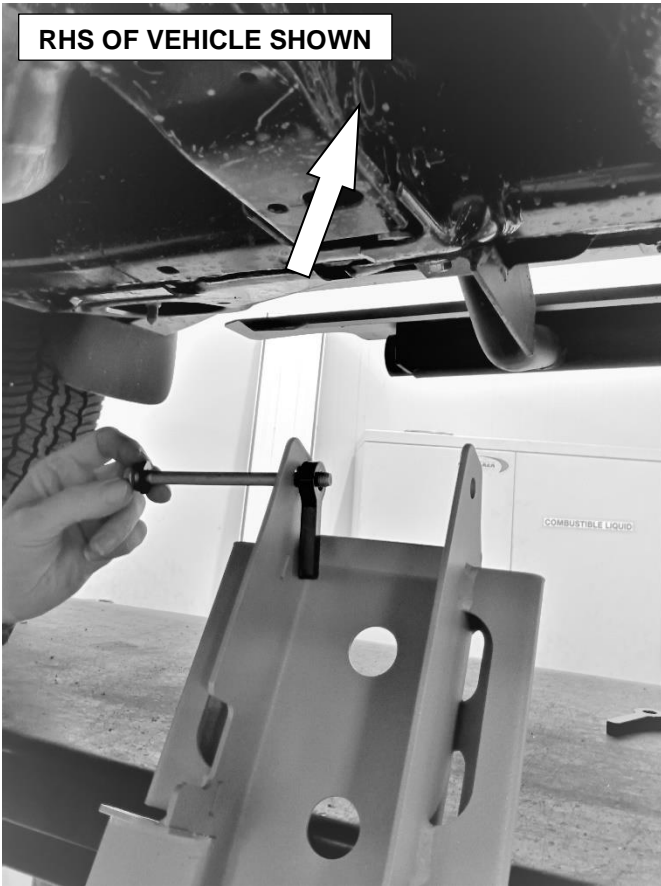
13. Using four M8 x 20 bolts and four M8 washers, lift the Front diff panel into place and fasten to the vehicle.
14. Align the panel to have equal clearance along the front edge and torque to spec.



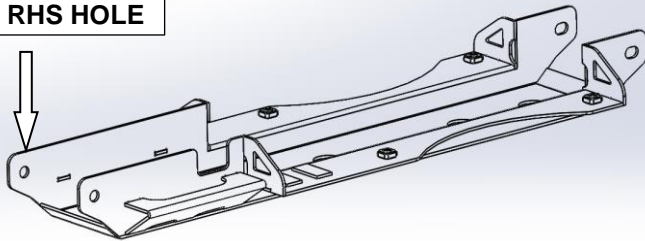
M8 - 25 Nm.



RHS OF VEHICLE SHOWN

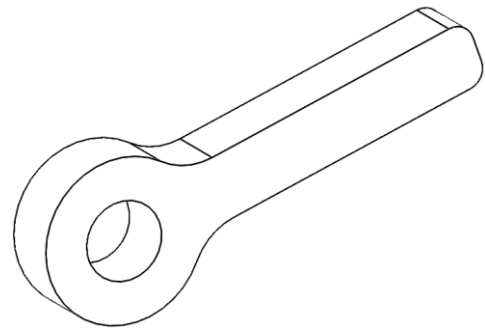


RHS HOLE

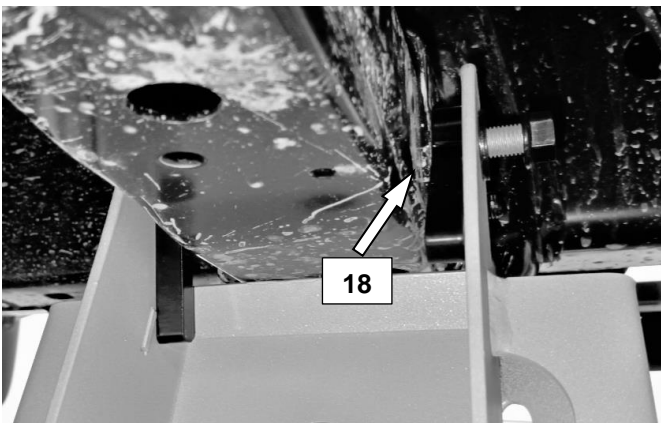


REAR CHASSIS CHANNEL

15. The rear Transmission cross member is held onto the vehicle by four M10 bolts, Remove the two inner most bolts and discard.
16. The REAR CHASSIS CHANNEL has a hole on one side and a slot on the opposite, fit an M10 x 135 bolt and an M10 washer into the hole from the front and place a chassis spacer onto the bolt.



CHASSIS SPACER




18

17. Fasten the REAR CHASSIS CHANNEL to the chassis where the OEM bolt was removed.
18. Fit a second chassis spacer between the chassis and REAR CHASSIS CHANNEL.




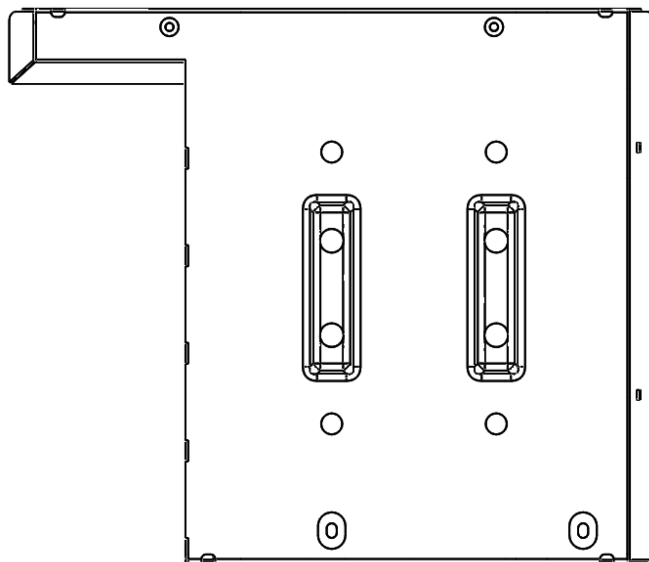
19. Moving to the LHS place a M10 x 135 bolt and a M10 washer through the hole and fit a chassis spacer.
20. Lift the CHANNEL into place and install another chassis spacer between the chassis and the mount as shown.
21. Place a M10 washer and a M10 flange nut onto each bolt and torque to spec.

 M10 - 44 Nm.

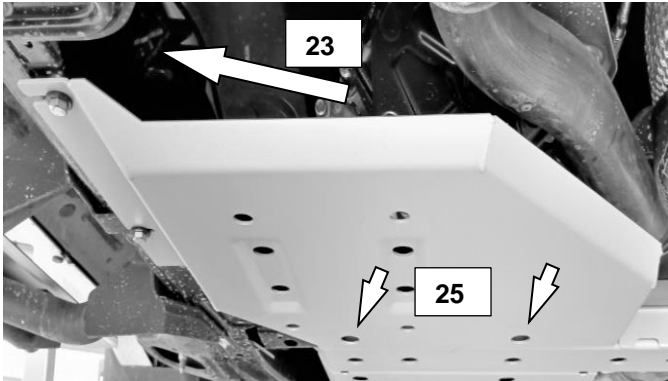


22. Using four M8 x 20 bolts and four M8 washers, lift the Transmission panel into place and torque to spec.

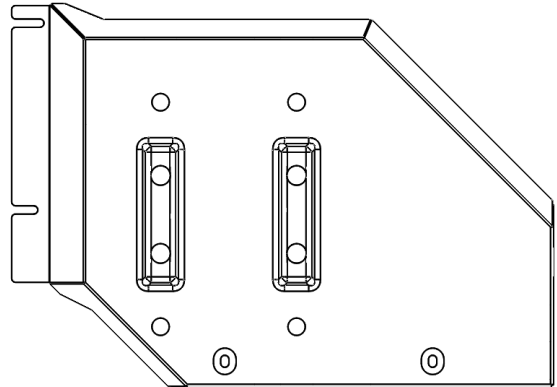
 M8 - 25 Nm.



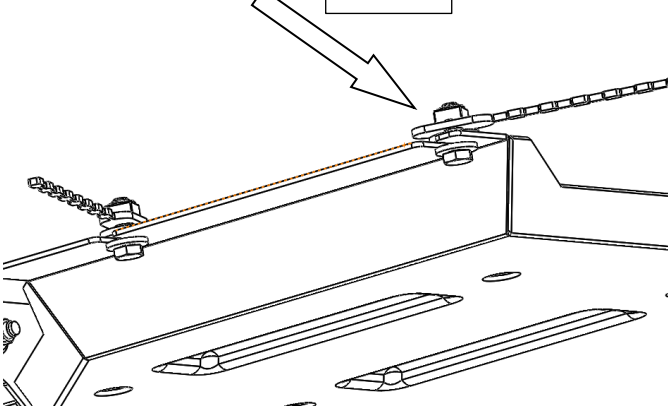
TRANSFER CASE UVP




23. To fit the Transfer case panel, access for the chassis fastener nut sticks is through a hole on the inside of the LHS chassis.
24. Place the two M10 nut sticks into the chassis.
25. Lift the panel into place and fasten the panel with two M8 x 20 bolts and two M8 washers.




REAR

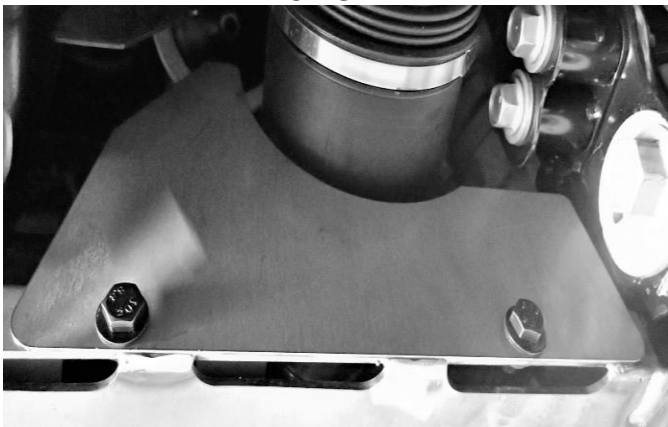


26. If the Vehicle is fitted with ARB Side Steps, place an M10 washer between the chassis and panel at the rear most position.
27. If the vehicle has no ARB Side Steps, place M10 washers between the chassis and panel in both positions.
28. Use two M10 x 30 bolts and two M10 washers to secure the panel to the chassis and torque the 4 bolts to spec.


 M8 - 25 Nm.

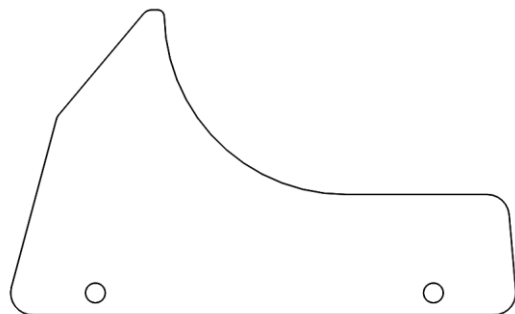
 M10 - 44 Nm.

FIT CV SHIELD



29. Clean the protective film off both Stainless steel shields and using two M8 x 20 bolts and two M8 washers per side, fit the shields to the Front diff panel and torque to spec.

 M8 - 25 Nm.



FITTED LC300 UVP

