
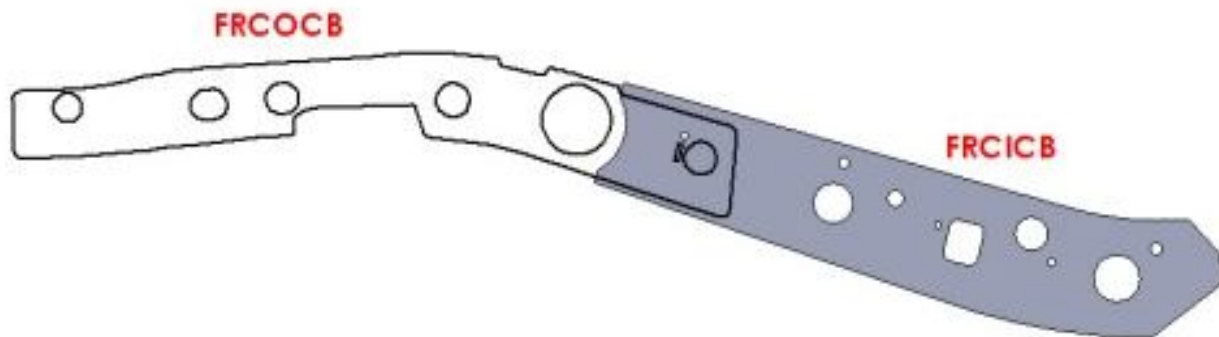


| <h1>Superior Engineering</h1> <h2>PART LISTING</h2> | | |  <p>ENGINEERING.COM.AU PREMIUM 4X4 ACCESSORIES 499 Uhlmann Rd Burpengary QLD 4505 Australia</p> |
|---|--------|----------|--|
| WEB I.D. – ##### | | | |
| ITEM# | PART# | QUANTITY | DESCRIPTION |
| 1 | FRCOCB | 2 | Ranger / BT50 REAR CHASSIS BRACE - OUTER |
| 2 | FRCICB | 2 | Ranger / BT50 REAR CHASSIS BRACE - INNER |

| NOTES: |
|---|
| <ul style="list-style-type: none"> • Approximate installation time: 6-8 HOURS • Ensure all parts have been received correctly. • Ensure parts are suitable for the vehicle prior to undertaking the insulation. <p>Please note: approximate fit time is based of a stock standard vehicle with no accessories, clean and tidy with no rust or coatings applied to the area</p> |

Plate Identification



Superior Engineering Installation Instructions

Superior
ENGINEERING.COM.AU
PREMIUM 4X4 ACCESSORIES
499 Uhlmann Rd
Burpengary QLD 4505
Australia

Part Description: Ranger / BT50 REVO CHASSIS BRACE

Part Number:

NOTE: Read and understand these Installation Instructions before beginning the installation process. Retain these installation Instructions for future reference. It is recommended this item is installed by a Qualified Person.

Due to regulatory variations throughout Australia, it is recommended that prior to fitment of this part is carried out, confirmation from your local/ state authority needs to be obtained as to the correct welding procedure required for approval. Superior Engineering recommends that the minimum welding requirement must meet or exceed Australian Standard **AS 1554 Structural steel welding**. In general for approval purposes, this part needs to be fitted by a certified welder who has performed and understands the correct welding procedure that is required and can supply required certification or paperwork as deemed.

NOTE: Please check with your local transport department if it is legal in your area.

CAUTION

Fitting of this item requires welding of the vehicle chassis and is recommended this work is carried out by a qualified person.

1. Before starting any work, make sure that the chassis is straight and true according to OE specification. Make sure it has no cracks or fractures that need prior attention before fitting this item.
2. Raise and support the vehicle safely. Remove the rear tires and the inner guards if the vehicle has a Ute tub.
3. **One side at a time** - Clamp the superior engineering Chassis repair Plate into position. Equally position the plates to provide adequate room to weld each edge. **SAFE Removal and storage** of the fuel tank is required to install lower brace on the Passenger side.
4. Trace around the Superior Engineering chassis repair plate, leaving a line around the outside using a marker.
5. Remove the Superior Engineering chassis repair brace.

6. Prep the chassis for welding by cleaning all paint off the area that is required.

NOTE: It is recommended to use a wire wheel or a light grade sanding disc.

WARNING

DO NOT use any form of grinding or cutting disc as these are too abrasive and may take too much of the structural steel away

7. Clamp the Superior Engineering chassis repair plate back in to position ready to weld.
8. Weld the plate to the chassis using the correct welding procedure. **Stagger/Intermittent welds 50-50mm or practicable.** Larger circle cut-outs may be welded.

WARNING

Welders can cause serious injury and death if used incorrectly. Seek assistance of a qualified person

9. REPEAT procedure for the other side.
10. Reapply the rust proofing inside and out of the chassis as the heat from being welded will burn it off. **NOTE: It is also highly recommended to repaint the chassis and the repair plate to prolonged life span preventing against rust. Any edges of the chassis brace that are not welded seal with a suitable sealant E.G. Sikaflex.**

Figure 1: Clamp Outer plates into position and mark for chassis preparation prior to welding

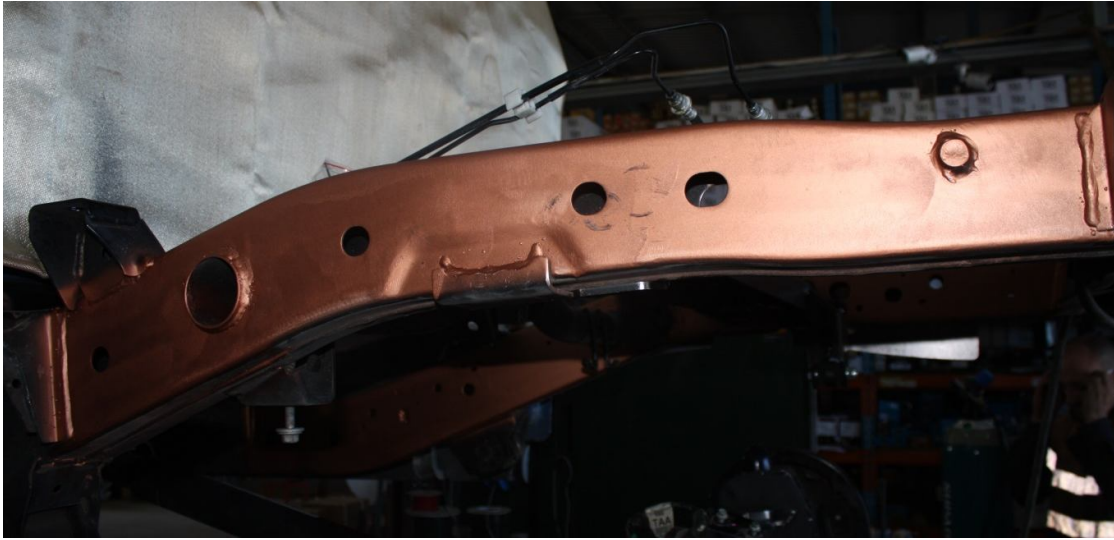


Figure 2: Correct Location Of Chassis Brace Item #1 - Drivers Side



Figure 3: Correct Location Of Chassis Brace Item #2 - Passenger Side

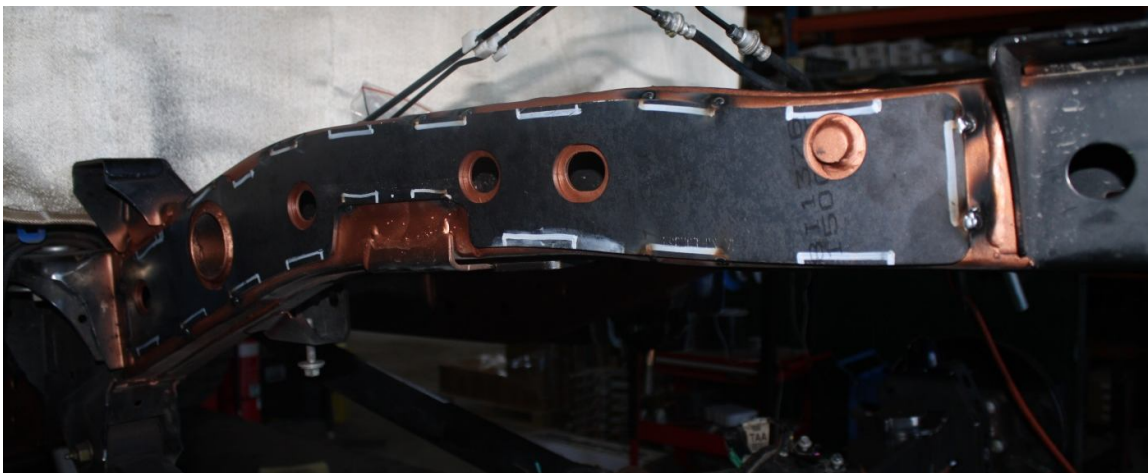


Figure 4: Brace welded in position and cleaned - Passenger Side



Figure 5: Inner Brace chassis position



Figure 6: Inner chassis Plate location and preparation prior to welding



Figure 7: Brace with rust prevention re-applied and painted - Drivers Side



Figure 8: Brace with rust prevention re-applied and painted - Passenger Side

