Superior Engineering
PART LISTING

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

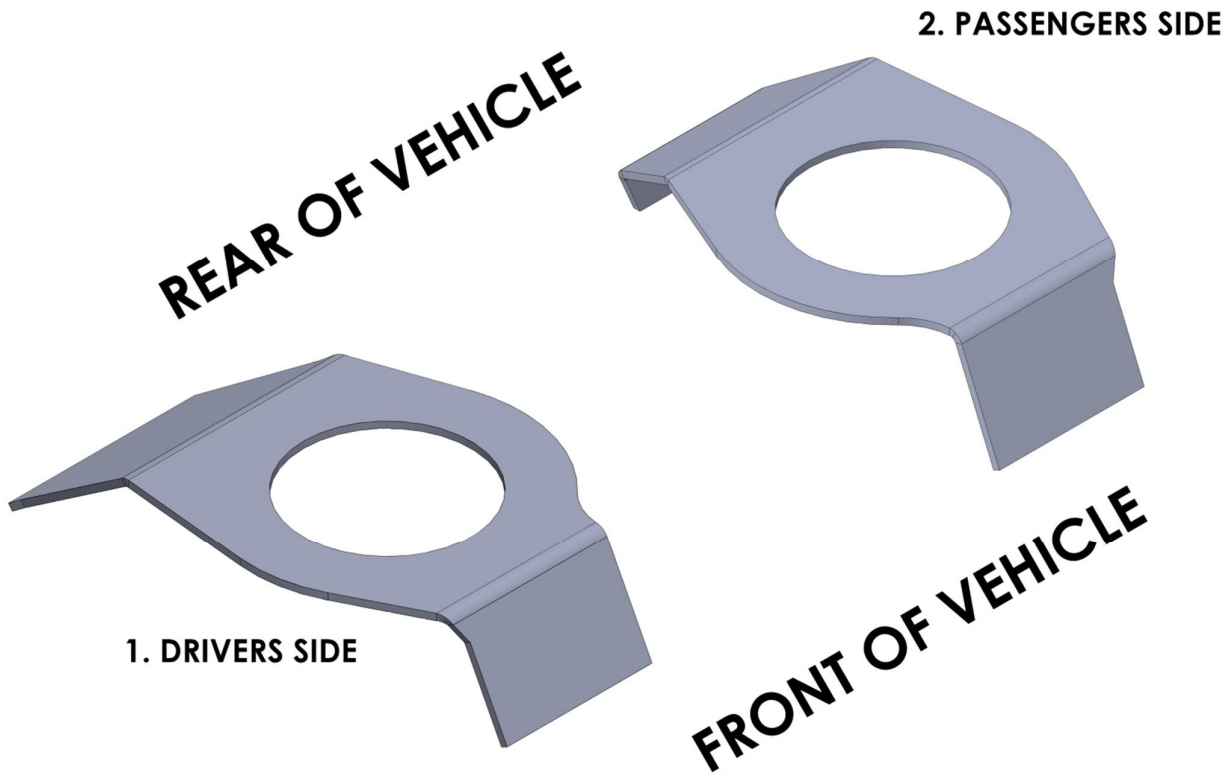
WEB I.D. – 32253

ITEM#	PART#	QUANTITY	DESCRIPTION
1	NP300ICTB-DS	1	NP300 REAR CHASSIS TOWER BRACE DRIVER SIDE
2	NP300ICTB-PS	1	NP300 REAR CHASSIS TOWER BRACE PASSENGER SIDE

NOTES:

- **Approximate installation time: 2 HOUR**
- **Ensure all parts have been received correctly.**
- **Ensure parts are suitable for the vehicle prior to undertaking the insulation.**

Item 1 is the Drivers side chassis tower brace. Item 2 is the Passengers side chassis tower brace.



Braces are made to fit on the underside of the rear chassis spring tower location. Welding is required (at a minimum) on the front and rear edges which run along the transverse chassis tubes.

Superior Engineering
Installation Instructions

ENGINEERING.COM.AU
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Part Description: NP300 rear tower 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 Category SP.* In general for approval purposes, this part needs to be fitted by a certified welded 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. Start with the vehicle secured on a hoist and the diff supported. Remove the coils as per vehicle service manual.
3. Starting with the passenger side fit the supplied tower brace into position on underside of the factory coil tower. (Refer to **figure 2**). Ensure the surfaces where the spring sits if flat and has contact between the tower and the brace – clamp into position Mark the welding locations (as per figure 1) then remove brace and prep surface for welding, by removing paint and other surface contaminants
   NOTE: It is recommended to use and wire wheel or a light grade sanding disc.
4. Re-fit the brace, ensure flat contact of surfaces, clamp into position where required.
5. Weld along the edges as per figures 1 and 2. Minimum of 4mm fillet, additional welding may be done at this time if repairs are required.
6. REPEAT this process for the Drivers Side. Brace orientation and welding position is as per figures 1 and 3
7. Clean and re-paint all brace parts and areas once cooled. Refit suspension as per vehicle manufactures service guidelines.

WARNING
DO NOT use any form of grinding or cutting disc as these are to abrasive and may take too much of the structural steel away
WARNING
Welders can cause serious injury and death if used incorrectly. Seek assistance of a qualified person

8. Clean and paint all brace parts and associated areas once cooled. Reapply any rust proofing on the chassis if affected from heat when welded. **NOTE: Any edges or points of possible corrosion of the chassis brace that are not welded seal with a suitable sealant E.G. Sikaflex.**
9. Refit suspension as per vehicle manufactures service guidelines.

Figure 1: Brace orientation and Welding positions

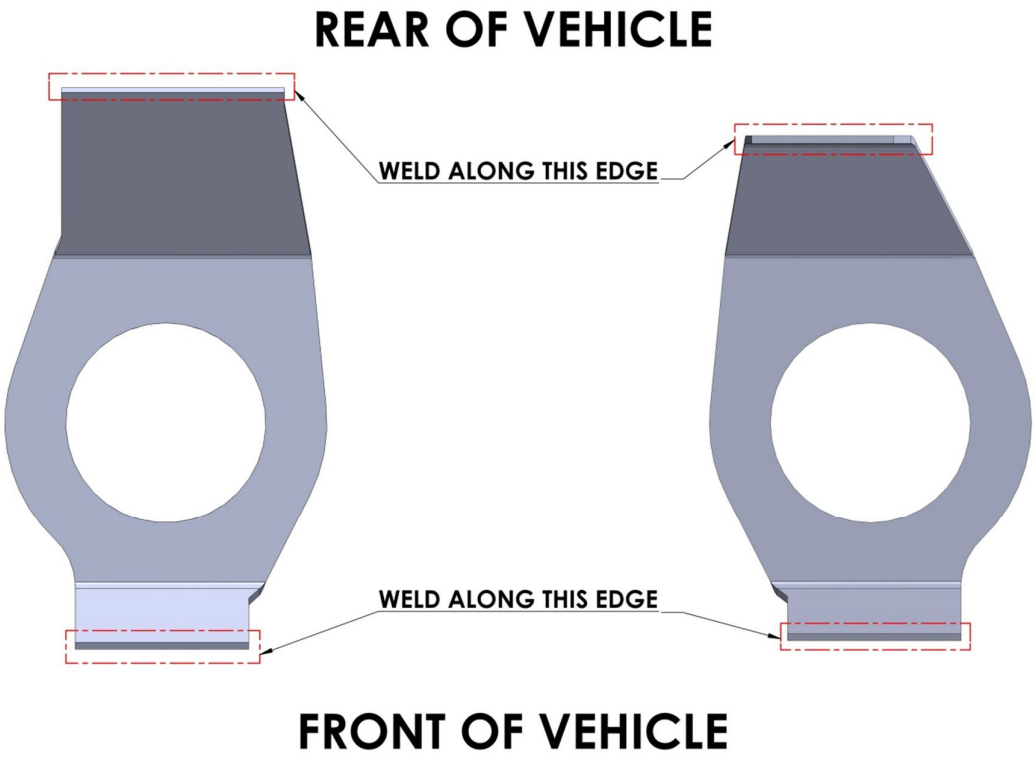

Figure 2: Correct Location of Chassis Brace - Passenger Side

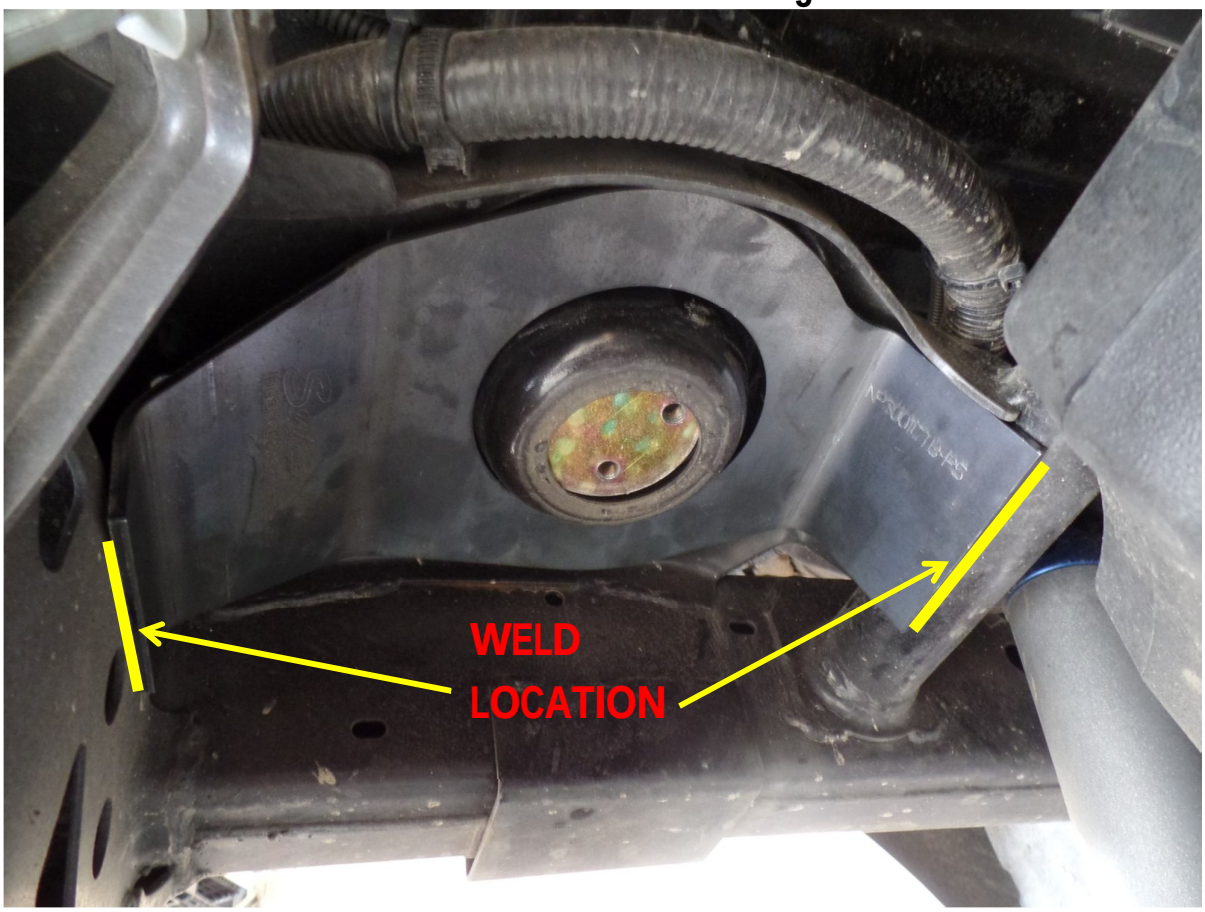

Figure 3: Correctly Fitted Chassis Brace - Driver Side