

FI024

FITTING INSTRUCTIONS FOR FRONT SUSPENSION STRENGTH KIT FOR TR4A/6 RTR7017

The kit consists of: -

2 x 88155531 Stiffener Small	2 x 88155532 Stiffener Small
2 x 88155846 Stiffener Large	2 x 88155847 Stiffener Large
2 x RTR7058 Gusset	2 x RTR7059 Gusset
4 x RTR7065 Back plate	

The kit enables the user to adequately strengthen all cars from TR4A-6 irrespective of the level of strengthening already incorporated.

Most cars have at some stage had some modification done, which will result in some pieces being left over.

Please refer to the Figures 1 and 2 to help analyse where the various parts are fitted.

Ideally the chassis should be completely stripped at the front of suspension and engine to effect adequate access for welding.

Clean off all loose rust and paint, once the suspension has been removed.

Inspect the chassis brackets and establish their integrity before proceeding. If in doubt, replace the brackets. Order part number 139580.

Position the strengthening parts, noting the following points.

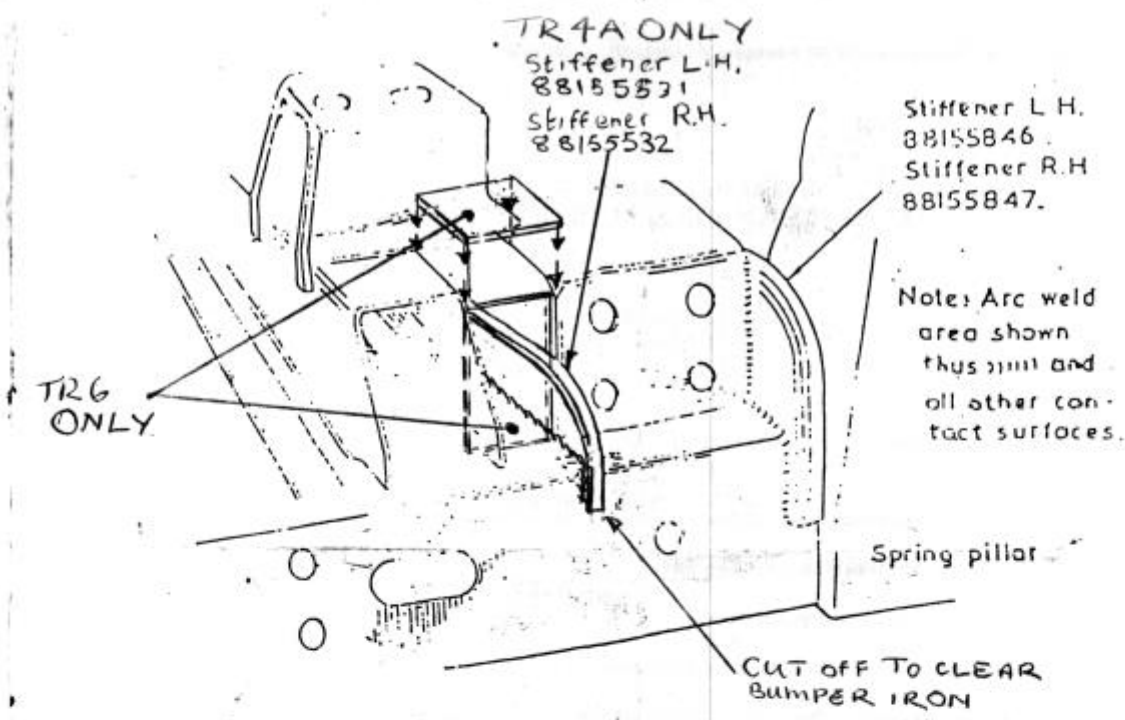
Small stiffeners 88155531 LH and 88155532 RH are only fitted to the forward face of the front bracket on TR4A's. The long lower leg must also be cut off to clear the bumper iron. TR5-6 cars use two small and two larger rectangular plates fitted vertically and horizontally to connect the rack mounting to the suspension mount. Look out for a crack in the welding of the rack mount to its cross support and weld this up if yours is cracked.

Back plates RTR7065 (not shown on drawings) have two holes for the attachment of the lower fulcrum 'U' bracket. This is welded behind (inboard) the chassis bracket. Ensure the two holes are lined up with the pair in use as the chassis bracket has two redundant holes.

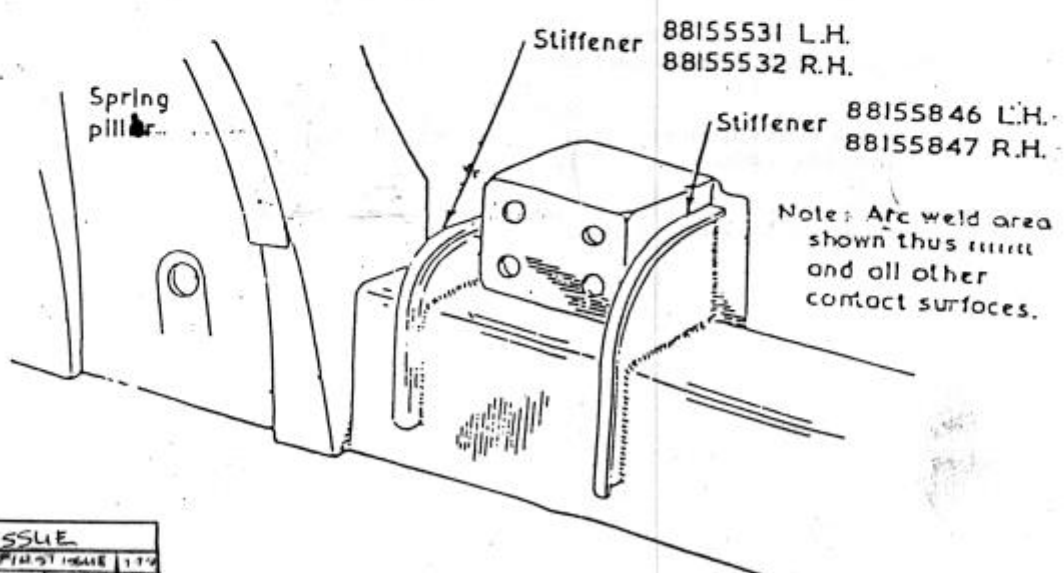
TR4A owners will notice that their 'U' brackets only have one attachment stud. This is a recipe for disaster. Replace these brackets with TR6 types, which have two studs. Order 4 off part number 148691. When Back Plates RTR7065 have been welded in place the available thread on bracket 148691 is reduced. Ensure that when the camber is set using shims 139727, with the washers and nyloc nuts in place, there are one and a half threads protruding through the nyloc nut. If there is not you will need to use brackets with longer studs. Order part number RTR3287

If you are introducing some negative camber to your front suspension you will almost certainly need Bracket RTR3287.

Before finally welding small stiffeners 88155531/2, trial fit the wishbones and 'U' brackets with bolt and nut to establish that clearance exists. If not the stiffener can be angled forwards slightly.



STRENGTHENING OF FRONT INNER FULCRUM BRACKET (LEFT HAND DRAWN)



STRENGTHENING OF REAR INNER FULCRUM BRACKET (LEFT HAND DRAWN)

ISSUE		
1	PRINT ISSUE	1/7/2
2	TRAM/FULC EXTRA JOINTS ADDED	1/1/2

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