

# **Tow-Trust Towbars**



Important: Please read General Notes overleaf before fitting

Issue 3

## **TT11SN TOYOTA RAV 4 2013>**

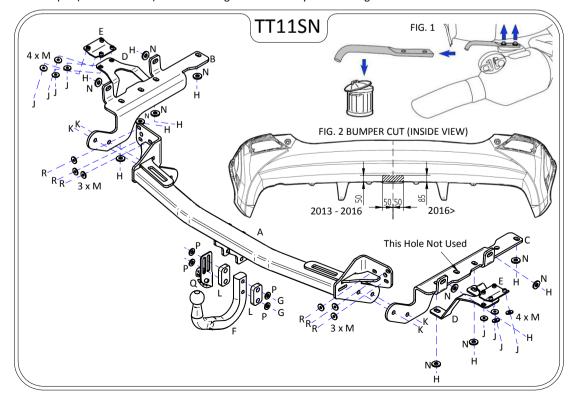
Item	Qty	Description	Item	Qty	Description
Α	1	Crossmember	G	2	M12 x 110 Grade 10.9 Bolts & Nyloc Nuts
В	1	N/S Side Arm	Н	11	M12 x 45 x <b>1.25</b> Bolts & S/P Washers
С	1	O/S Side Arm	J	8	M8 x 25 Bolts & S/P Washers
D	2	Side Brackets	K	4	M12 x <b>35</b> Bolts & Nyloc Nuts
Ε	2	Handed Clamp Plates	L	2	15mm Spacer Plates
F	1	ACS2 / 9202 Swan Neck	M	14	8 x 25 Flat Washers
			N	11	12 x 30 Flat Washers
			Р	4	12 x 25 Flat Washers
			Q	1	VASP8 L/H Socket Plate
			R	6	M8 x 35 Bolts & S/P Washers

### **BUMPER REMOVAL:**

- 1. Two fixings in each wheel arch, twelve fixings securing the lower edge and under trays and one fixing either side of the boot opening, unplug wiring loom and remove bumper.
- 2. Remove bumper impact beam. (This is NOT refitted with the Towbar assembly).

### **TOWBAR INSTALLATION:**

- 1. Remove the Towing eye from the nearside chassis member. (This is NOT refitted with the Towbar assembly).
- 2. Remove the bar from the exhaust silencer (Shown in FIG. 1), and remove the silencer from it rubbers.
- **3.** Remove the four rubber grommets each side from the vehicles floor plan.
- 4. Using Item R with Item M fix Item A to the vehicles rear panel.
- 5. Using Item **H** with Item **N** fix Items **B**, **C** & **D** to each correct chassis member.
- **6.** Slide Items **E** under the boot interior side panels and align with the four mounting points.
- 7. Using Items J with Items M fix Items D to Item E and Items E to the vehicles floor plan.
- 8. Using Item K fix item A to each side arm. (Items B & C).
- 9. Using Item  ${\bf G}$  with Item  ${\bf P}$  and item  ${\bf L}$  fix Item  ${\bf F}$  and Item  ${\bf Q}$  to Item  ${\bf A}$ .
- 10. Fully tighten all fixings ensuring Towbar is rigid, square and secure.
- 11. Cut the bumper (Shown in FIG.2) and refit along with under trays and rehang the exhaust silencer onto its rubbers.



### Note

- 1. Recommended Torque Setting for M12 Grade 10.9 -139 Nm. (For other Torque Settings see notes overleaf.)
- 2. Nose load limits and vehicle manufacturers trailer / caravan weight limits must be observed.