Tow-Trust Towbars

Important: Please read General Notes overleaf before fitting
Issue: 3

Fitting Instructions

TTOY17 Toyota Landcruiser 250 (J25) & Lexus GX 550 2024>

Item	Qty	Description	Item	Qty	Description	Torque Setting
A	1	TTOY17 Main Body	F	2	M16 x 50 Bolts & Nyloc Nuts	215 Nm
B	3	2mm Shims	G	4	M12 x 35 Serrated Flange Bolts (10.9) & Serrated Flange Nuts	130 Nm
C	1	1mm Shim	H	1	M12 x 130 Bolt (10.9) & Nyloc Nut	130 Nm
D	1	Extension	J	1	M8 X 35 Bolt & Nyloc Nut	25 Nm
E	1	Flip Down Socket Plate	K	10	M12 x 40 x 1.25 Fine Pitch Bolts (10.9) & S/P Washers	130 Nm
			L	2	8 x 20 Flat Washer	
			M	1	8 x 25 Flat Washer	
			N	1	Nyoprene Washer	
			P	2	12 x 25 HD Washers	
T1	1	30 mm O/D 60 mm Long Spacer Tube	Q	10	M12 x 30 Belleville Spring Washers	

Bumper Removal

1. Remove the mud guards if fitted, three fixings each side.
2. Remove the wheel arch panel, three fixings each side.
3. Remove the wheel arch trims, three fixings and one lower fixing from each side, then remove the now revealed bumper tip screw.
4. Open the tailgate and separate the main tailgate wide tread panel by lifting it from the bumper, then unplug the wiring looms from each side of the bumper through the now revealed openings.
5. Remove the four trim panels from around the tailgate opening plus the trim panel surrounding the fog light from each side.
6. Remove the ten upper bumper fixings around the tailgate area plus the ten fixings along the bumpers lower edge.
7. Pull the bumper out sideways and rearwards to remove.
8. Temporarily remove the polystyrene lining from the rear cross member and lower the spare wheel.
9. Cut the outer bumper as shown in **Figure 1** and the inner bumper as shown in **Figure 2.**

Towbar Installation

1. Loosely fix item **A** to the rear cross member using items **K** with items **Q.**
2. Following **Figure 3** tighten items **K** (**1-5**) in sequence, to **80 Nm.**
3. Following **Figure 4** measure the gap **X** between item **A** and the vehicle's cross member and insert items **B** and item **C** from above as required.
4. Following **Figures 3** and **5** fully tighten items **K** (**6-10**) in sequence, to **80 Nm.**
5. Following **Figures 3** and **5** fully tighten items **K** (**1-10**) in sequence, to **130 Nm.**
6. Loosely fix item **D** to item **A** using items **G** and item **H** with items **P**, ensuring item **T1** is fitted at the position shown in the exploded diagram below.
7. Loosely fix item **E** to item **A** using item **J** with items **L**, item **M** and item **N**.
8. Fully tighten the remaining fixings ensuring the Towbar is rigid, square and secure.
9. Raise the spare wheel, remount the polystyrene lining and the bumper, reconnect the wiring looms then remount all the trim panels.

Figure 1

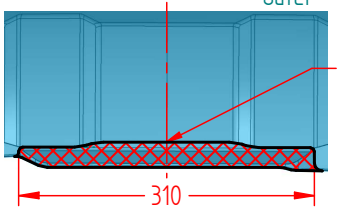


Figure 2

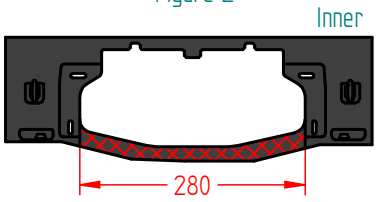
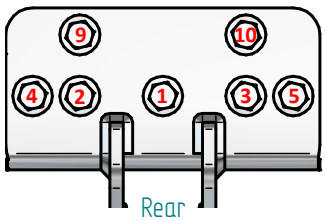


Figure 3



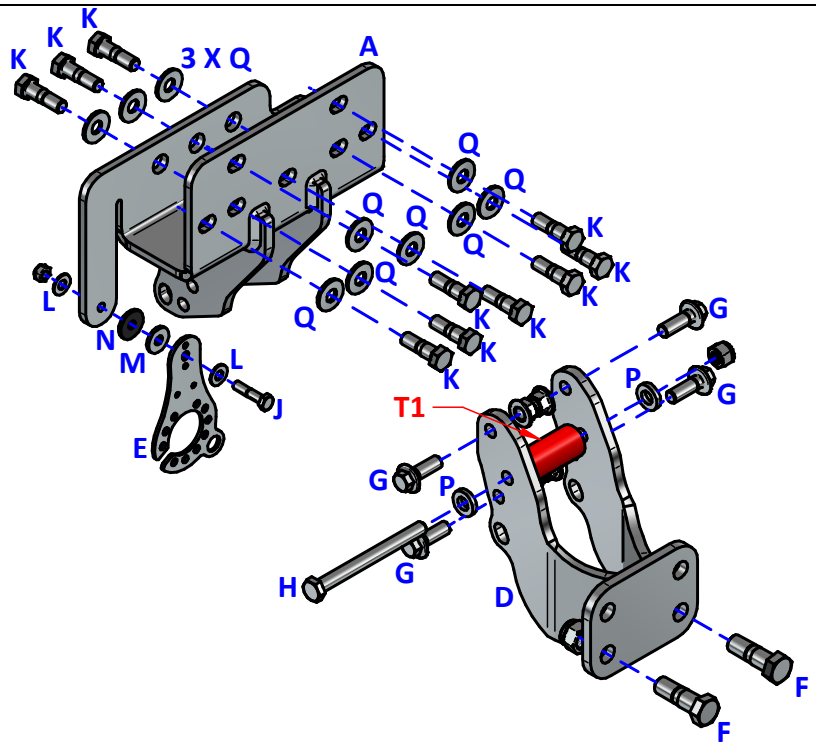


Figure 4

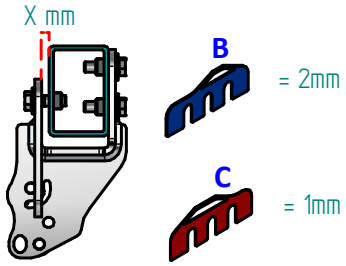
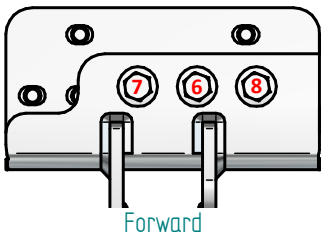


Figure 5



Notes:

1. For Torque settings see the column next to each item in the list.
2. Nose load limits and vehicle manufacturer's trailer / caravan weight limits must be observed.
3. We recommend the use of PRO-TOW Couplings with all our products.