



Fitting Instructions

TOWBAR TY132
For Toyota Avensis Saloon/ Hatch
(Vehicle type T25)

MATERIALS

A	1	Cross Bar
C	1	Centre Tube with European facing to 94/20/EC A50-1
D	1	Left Hand Sidearm
E	1	Right Hand Sidearm
F	2	Straps
G	2	Spreader Plates
H	6	M12 x 40mm x 1.75 Bolts, 4 Nuts, Lock Washers and (30mm O.D.) Flat Washers
J	2	M12 x 100mm x 1.75 Bolts (10.9 Grade) and Nyloc Nuts and 1 (25mm O.D.) Flat Washer
K	4	M12 x 35mm x 1.25 Bolts, Lock Washers and (25mm O.D.) Flat Washers
L	2	M12 x 100mm x 1.75 Bolts (10.9 Grade), Lock Washers, Nuts and 4 (30mm O.D.) Flat Washers
M	6	M8 x 25mm x 1.25 Bolts, Nuts and (20mm O.D.) Flat Washers
N	2	M8 x 50mm x 1.25 Bolts, Nuts and (20mm O.D.) Flat Washers
P	2	19mm O.D. Bush, 60mm Long
Q	2	19mm O.D. Bush, 20mm Long
R	1	M6 x 30mm x 1.00 Bolt, Lock Washer and (20mm O.D.) Flat Washers
ZEP2	1	Electrical Plate
ZEQ2	1	Safety Chain Plate
CB	2	M16 x 50mm x 2.00 Coupling Bolts, Nuts, Lock Washers

FITTING

1. Remove bumper under tray from left hand side, remove lashing eyes from chassis and discard and lower exhaust, remove rearmost bolt securing heat shield. Remove clips along lower edge of bumper. Remove boot floor covering.
2. Loosely attach Sidearms (D) and (E) to chassis using **Fine Pitch** bolts (K) with Flat washers, insert Cross Bar (A) inside bumper and loosely attach to Sidearms (D) and (E) using Bolts (H) with Flat washers.
3. Remove the small rubber bungs (4 each side) from the lower edge of the rear wing. Using hole (L) in Sidearms (D) and (E) as a guide mark position in upper chassis skin, working from inside vehicle drill at marked positions a hole of sufficient size to enable Bush (P) to be inserted. Position Spreader Plates (G) inside each rear wing and loosely secure using Bolts (M) with Flat Washers fitted on outer skin.
4. Using Bolts (L) and (N) with Bush (Q) loosely secure Strap (F) to chassis and rear wing.
5. Fully tighten all bolts ensuring Crossbar (A) is pushed up inside bumper.
6. Loosely Attach Centre Tube (C) to Crossbar (A) using Bolts (J) Safety Chain Plate (ZEQ2) (Electrical Plate (ZEP2) may also be fitted if required) fully tighten bolts **Note: Bolts (J) should be torqued to 139Nm.**
7. Secure exhaust heat shield using Bolt (R) with Flat washer. Re-secure exhaust. Refit bumper under tray after having cut clearance slots for Sidearm (D). Refit boot trim and clips along lower edge of bumper.

Note: This towbar must be used with either a Witter Towball (part number Z1) or Class A50-1 or A50-X towball dimensionally conforming to A50-1 with a 'D' and 'S' value greater than or equal to that of the towbar or detachable unit ZQ2003
Please refer to the vehicle specification for the trailer weight and nose limits, which **must be observed.**

Recommended torque settings: M8 - 27Nm, M10 - 53 Nm, M12 - 95 Nm, M14 - 150 Nm, M16 - 214 Nm

