



Tow-Trust Towbars

Important: Please read General Notes overleaf before fitting

Issue 5

Type TVV519 Volvo S40 / Mitsubishi Carisma 95>

Item	Qty	Description	Item	Qty	Description
A	1	Crossmember	G	2	M16 x 50 Bolts, Nuts & S/P Washers
B	2	Angle Brackets	H	1	M12 x 60 Bolts, Nuts & S/P Washers
C	1	Channel	I	2	M12 x 85 Grade 10.9 Bolts & Nyloc Nuts
D	1	Extension Bar	J	9	M10 x 30 x 1.25 Bolts, 2 Nuts & 9 Washers
E	1	Spacer Tube	K	4	12 x 25 Flat Washers
E1	1	Spacer	L	6	10 x 25 Flat Washers
F	1	Clamp Plate			

1. Remove the centre fixing point from the underside of the bumper, remove the three rear exhaust hangers, then the heat shield.
2. Cut a small section out of the bumper (see sketch below).
3. From the underside, thread item **A** up inside the bumper and using item **J** with item **L**, loosely bolt item **A** to the outside face of the left hand chassis and to the inside face on the right, with item **C** bolted to the forward right fixing point.
4. Loosely bolt item **A** to the towing eye using item **H**, item **E**, item **E1** and item **F**.
5. Using item **J** with item **L** loosely bolt item **B** to the holes provided in item **A** and to the captive nuts in the chassis.
6. Using item **I** and **K** bolt item **D** to item **A**.
7. Using item **G** bolt the ball bracket and wiring plate (not supplied in this kit) to the mounting plate.
8. Fully tighten all nuts and bolts and ensure the towbar is rigid and secure.
9. Refit the heat shield, exhaust hangers and central bumper fixing point.

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.

