



# Fitting Instructions

TOWBAR MR21  
For MERCEDES C - CLASS  
2000-

## MATERIALS

A	1	Cross Bar
C	1	Centre Strut with international facing to 94/20/EC A50-1
C1	2	Bushes (25mm O.D. – 28mm long)
D	4	M10 x 40 x 1.5mm Bolts, Lock Washers and Large Flat Washers (40mm O.D.)
E	1	Left Hand Side Arm
F	1	Right Hand Side Arm
G	4	M6 x 25 x 1.0mm Bolts, Nuts, Lock Washers and 8 Flat Washers
H	4	M10 x 35 x 1.5mm Bolts, Nuts, Lock Washers, Flat Washers (20mm O.D.) and Large Flat Washers (30mm O.D.)
J	2	M10 x 65 x 1.5mm Bolts, Nuts, Lock Washers, Flat Washers (20mm O.D.) and Large Flat Washers (30mm O.D.)
K	2	M10 x 30 x 1.5mm Bolts, Nuts, Lock Washers and 4 Flat Washers (20mm O.D.)
L	1	M8 x 1.25mm Nut, Lock Washer and 2 Flat Washers (25mm O.D.)
M	2	M6 x 20 x 1.0mm Bolts, Nuts and Lock Washers
N	2	M12 x 75 x 1.75mm Bolts and Nyloc Nuts
CB	2	M16 x 50 x 2.0mm Coupling Bolts, Nuts and Lock Washers
EP	1	Electrical Plate

## FITTING

1. Remove trim panels from inside boot. Remove bumper (rearmost exhaust hanger, 3 nuts on rear panel each side, 2 small nuts each side, vertical self tapping screws inside rear quarter panels, 2 plastic clips and a vertical self tapping screw each side at bumper tips). Remove bumper beam. **NOTE:** Retain for use if towbar is removed. Remove second exhaust hanger. Remove heat shield. Remove rubber grommets from both chassis rails.
2. On left hand chassis rail measure forward 121mm from the centre of the rearmost hole for Bolt (D) and drill hole for forward Bolt (D). On right hand chassis rail measure 132mm from the centre of the rearmost hole for Bolt (D) and drill hole for forward Bolt (D). **NOTE: If forward holes are present in chassis rails, these holes may be used instead of drilling for centre mounts.**
3. Insert Side Arms (E) and (F) into chassis and loosely attach using Bolts (D), ensure end plates are pushed hard against rear panel and tighten Bolts (D). Re-fit exhaust heat shield and exhaust hanger.
4. Attach Cross Bar (A) to bumper using Bolts (G). **NOTE:** Ensure centre profile plates are centralised about centre mark on lower edge of bumper. Tighten Bolts (G).
5. Re-mount bumper on sliders and small studs on upper edge of bumper and retain with 2 small nuts. Loosely attach Cross Bar (A), Side Arms (E) and (F) to rear panel using Bolts (H) and (J). Also attach Cross Bar (A) to Side Arms (E) and (F) using Bolts (K). Align bumper correctly and tighten bolts.
6. Attach rearmost exhaust hanger to stud provided on Cross Bar (A) using Nut and Washers (L). Attach Centre Strut (C) to Cross Bar (A) using Bolts (N) and Bushes (C1).
7. Attach Electrical Plate (EP) using Bolts (M). **Tighten all bolts.** Re-fit all bumper fixings and interior trim.

**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.

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

