



# Fitting Instructions

TOWBAR **BM13A**  
For **BMW 5 SERIES SALOON**  
(1996-)

## MATERIALS

A	1	Cross Bar
C1	1	Neck (right hand)
C2	1	Neck (left hand)
D	2	Side Arms (with captive M10 bolts)
D1	2	Bushes (19mm O.D., 16mm long)
D2	2	Bushes (19mm O.D., 11mm long)
E	2	Bumper Support Brackets
F	2	Angle Cleats
F1	4	M10 x 1.5 Nuts, Lock Washers and Flat Washers (25mm O.D.)
G	6	M12 x 1.75 Nuts, 6 Lock Washers and 6 Flat Washers (30mm O.D.)
H	2	M12 x 70mm Bolts and Nyloc Nuts
K	2	M12 x 45mm Bolts, Nuts, Lock Washers and Flat Washers (30mm O.D.)
M	1	Electrical Plate
CB	2	M16 x 50mm Coupling Bolts, Nuts, Lock Washers

## FITTING

1. Remove the boot floor covering, side trim and bumper (6 M8 nuts inside boot against rear panel, 3 clips around each wheel arch). Remove bumper central trim panel (this is achieved by removing the foam packer from inside bumper and bending back the panel clips), refit foam packer.
2. Replace bumper struts with Support Brackets (E) (see sketch) and loosely secure using existing bolts (X). Remove a 170mm wide x 100mm long slot from the bottom edge of the bumper and remove an 80mm wide x 40mm deep notch from inner shell as shown below.
3. Insert Side Arms (D) into chassis with Bushes (D1 & D2) fitted over captive bolts and loosely locate using Nuts (F1) with Flat Washers and Cleats (F) positioned against rear panel.
4. Loosely secure Cross Bar (A) to vehicle and Side Arms (D) using Nuts and Flat Washers (G) and Bolts (K), fully tighten all bolts.
5. Refit bumper assembly and secure using Nuts and Flat Washers (G), fully tighten bolts (X) ensuring bumper alignment is correct. Refit bumper trim panel.

Attach neck assembly (C1 & C2) with Electrical Plate (M) to the mainframe using bolts (H), and fully tighten.

**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

