



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

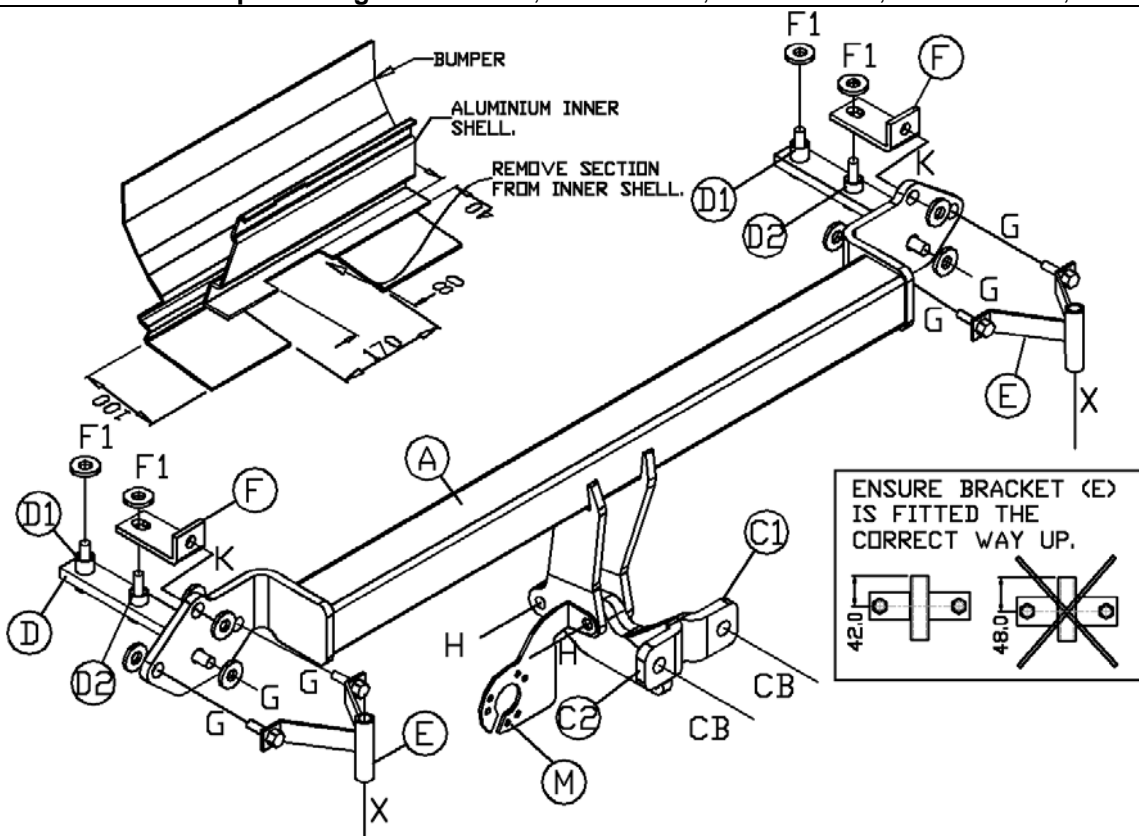
1. Remove the boot floor covering, side trim and bumper (6 M8 nuts inside boot against rear panel, 3 clips around each wheel arch). Remove bumper central trim panel (this is achieved by removing the foam packer from inside bumper and bending back the panel clips), refit foam packer.
2. Replace bumper 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



Fitting Instructions

Detachable Towball System

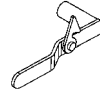
ZR2

MATERIALS

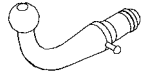
A Towball Receptor Unit



B Handle



C Towball Neck



P Safety Chain Plate



W Weather Cover

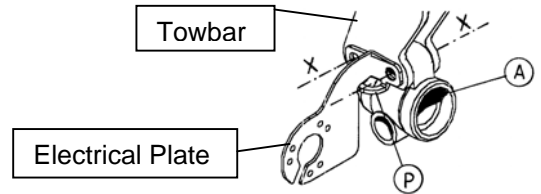


S Towball Neck Bag

2 M12 x 75mm x 1.75 Bolts + Nylocs

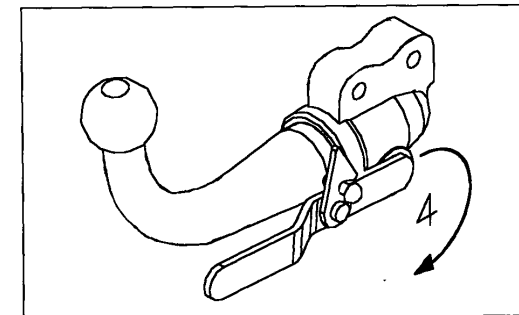
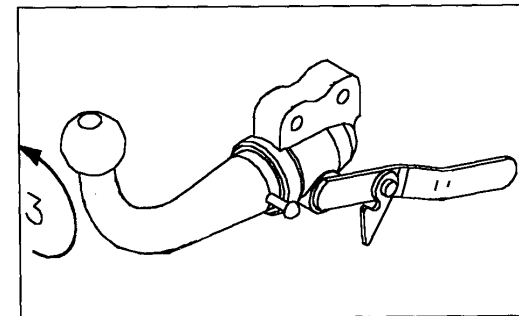
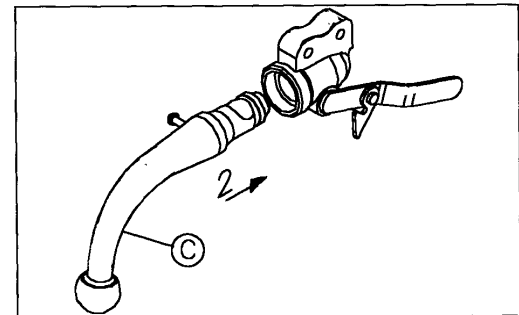
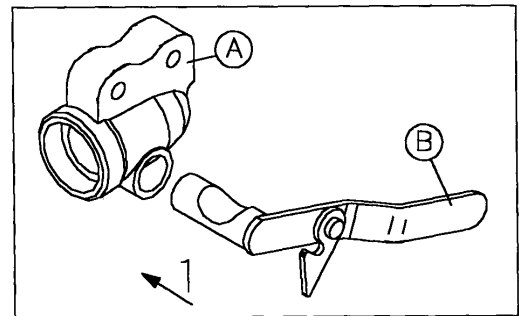
FITTING OF TOWBALL RECEPTOR

1. Remove original bolts at (X) and Towbar Centre Part (If fitted).
2. Attach Towball Receptor Unit (A), Safety Chain Plate (P) and original Electrical Plate if removed, to Towbar Centre Plates using replacement Bolts and Nyloc Nuts.
3. Tighten Bolts to 96 Nm.



DETACHABLE OPERATION

1. Slide Handle (B) into Towball Receptor Unit (A) and keep orientated as shown.
2. Slide Towball Neck (C) into Towball Receptor Unit (A).
3. Rotate Towball Neck (C) anti-clockwise 180°.
4. Rotate Handle (B) clockwise until Spring Loaded Lock clips into position as shown.



REMOVAL OF TOWBALL

Removal is a reverse of the above procedure. Place Handle (B) and Towball Neck (C) in bag provided. After removing Towball Neck (C) fit Weather Cover (W) to Towball Receptor Unit (A).