



Fitting Instructions

TOWBAR **G82**
For VAUXHALL SIGNUM

MATERIALS

A	1	Cross Bar
ZF	1	Centre Strut with European facing to 94/20/EC A50-1 (ZF3004-A)
C	1	LH Sidearm
D	1	RH Sidearm
E	1	RH Spreader Plate
F	1	LH Spreader Plate
G	2	Packers
H	2	Bushes 19mm O.D, 112 Long
J	2	Bushes 19mm O.D, 128 Long
K	4	M12 x 180 x 1.75 Bolts, Nyloc Nuts and Flat Washers (25mm O.D)
L	2	M12 x 35 x 1.75 Bolts, Nuts, Lock Washers and Flat Washers (25mm O.D)
M	2	M12 x 35 x 1.75 Bolts, Lock Washers and Flat Washers (25mm O.D)
N	2	M12 x 100 x 1.75 High Tensile Bolts, Nyloc Nuts (Grade 10.9 – Torque Setting 139Nm)
P	1	M10 x 25 x 1.5 Bolt, Nut, Lock Washer and Flat Washer (25mm O.D)
R	1	Electrical Plate (ZEP1)
S	1	Electrical Plate Angle (ZEQ1)
CB	2	M16 x 50mm Coupling Bolts, Nuts, Lock Washers

FITTING

1. Remove luggage retaining loops from corners of boot (Take off centre cover and undo star head screw). Remove rear panel along boot edge (2 screws on inside face). Loosen boot side trims (2 screws on top edge of trim).
2. Locate dimples in boot floor, (2 on top face of each chassis rail) spreader plates (E & F) can be used as a guide to ensure correct positioning. Drill out dimples to sufficient diameter to insert bushes (H & J).
3. Insert bushes (H & J) into chassis. Attach spreader plates (E & F) using bolts (K). **Note:** Ensure good mating surface between spreader plates and boot floor, (any acoustic sound proofing agent must be removed).
4. Attach side arms (C & D) and packers (G) in position shown, using fixings (K).
5. Attach crossbar (A) using bolts (L & M). **Tighten all Bolts.**
6. Attach Flanged Neck (ZF) and electrical plate angle (S) using bolts (N). Attach electrical plate (R) to neck (ZF) as shown.
Note: An alternative position is to attach electrical plate (R) to electrical plate angle (S) using bolt (P). **Tighten Remaining Bolts.**

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: Grade 8.8 M8 - 27Nm, M10 - 53 Nm, M12 - 95 Nm, M14 - 150 Nm, M16 - 214 Nm
Grade 10.9 M12 – 139Nm



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