



Fitting Instructions

TOWBAR DW15A
For Daewoo Kalos
Dec 2002 -

MATERIALS

A	1	Cross Bar with European facing to 94/20/EC A50-1
C	1	Neck Assembly
D	2	Side Arms
E	1	Bush 17 O.D, 74mm long.
F	1	Bush 17 O.D, 69 mm long.
G	1	Bush 17 O.D, 70mm long.
H	1	Bush 17 O.D, 65mm long.
J	2	Bush 17 O.D, 10mm long.
K	3	M10 X 100 X 1.5 Bolts, Nuts, Lock Washers, Large Flat Washers (30mm O.D) & Large Flat Washers (40mm O.D)
L	1	M10 X 100 X 1.5 Bolts, Nuts, Lock Washers, Large Flat Washers (30mm O.D) & 2 Large Flat Washers (40mm O.D)
M	4	M10 X 30 X 1.5 Bolts, Nuts, Lock Washers & Large Flat Washers (30mm O.D)
N	1	M10 X 55 X 1.5 Bolt, Nyloc Nut & 2 Flat Washers (20mm O.D)
P	2	M6 X 30 X 1.0 Bolts, Lock Washers & Flat Washers (14mm O.D)
R	2	M16 X 40 X 2.0 Bolts, Nuts & Lock Washers.
S	1	ZEP35 Electrical plate (not shown)
CB	2	M16 X 50 X 2.0 Coupling Bolts, Nuts, Lock Washers

FITTING

1. Remove Bumper (4 screws along bottom of bumper thru rear panel, 4 screws along top edge of bumper, 2 plastic nuts under each light cluster (Access to these is gained by removing corner trim in boot, light cluster DOES NOT need to be removed) 2 screws in each wheel arch).
2. Remove both towing eye and exhaust hanger and discard, (or retain for fitment when bracket is removed).
3. Remove Carbon canister (black box bolted to right hand chassis rail) and leave hanging loose by pipe attached.
4. Locate mounting points, 2 holes in each chassis rail (75mm and 270mm from rear panel). Drill up thru top face of chassis with pilot drill. Open up rear most hole to 12 Dia and forward most hole to sufficient size to insert bushes (F & H).
5. Loosely attach side arms (D) using bolts (K & L), rear most bushes are inserted from underside, (ensure correct positioning of bushes and fixings (L), **Note** ensure 2 washers under the head of bolt (L) in order to allow clearance for re-fitment of carbon canister.
6. Attach cross bar (A) using bolts (M). **Tighten All Bolts.**
7. Re-attach exhaust using bolt (N), carbon canister using bolts (P) and bushes (J). Ensure breather pipe on carbon canister is pointing upward thru chassis rail. Re-attach bumper and inner trim.
8. Attach Neck assy (C) using bolts (R) and 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

