



Fitting Instruction

TOWBAR DW11
For DAEWOO NUBIRA ESTATE
(1999 -)

MATERIALS

A	1	Towbar Mainframe
C	1	Centre Tube with European facing to 94/20/EC – A50-1
D	2	M10 x 110mm x 1.25 Bolts and Lock Washers
D1	2	Left Hand Sidearm
D2	2	Right Hand Sidearm
D3	2	Spreader Plates
D4	2	Bushes (22mm O.D., 14mm long)
D5	2	Bushes (22mm O.D., 53mm long)
E	4	M12 x 35mm Bolts, Nuts (2 off), Lock Washers and Flat washers (25mm O.D.)
E1	2	Bumper Mounting Brackets
F	4	M10 x 25mm Bolts, Nuts, Lock Washers and Flat washers (20mm O.D.)
G	2	M10 x 25mm Bolts, Lock Washers and Large Flat Washers (30mm O.D.)
J	2	M12 x 75mm Bolts and Nyloc Nuts
CB	2	M16 x 50mm Coupling Bolts, Nuts and Lock Washers
Z	1	ZEP35 Electrical Plate (not shown)

FITTING

1. Remove bumper, 1 tip screw and 4 mud flap screws each side, 1 plastic plug beneath each light cluster, 2 bolts and 1 nut inside rear wing each side, 2 bumper arm bolts through chassis (hidden beneath plastic grommets inside boot). Remove and discard steel bumper beam and plastic end cups, leave foam insert in place. Position bumper mounting brackets (E1) inside bumper against foam insert and secure using six of the original clips.
2. Insert Sidearms (D1,D2) and Bushes (D5) into the chassis, insert Bushes (D4) inside boot and loosely attach Spreader Plates (D3) using Bolts (D). Attach forward fixing on Sidearms (D1,D2) with Bolts (G) and Large Flat Washers.
3. Loosely attach Towbar Mainframe (A) to Sidearms (D1,D2) using forward Bolts (E) only. Using the Spreader Plates (D3) as a guide drill for Bolts (F).
4. Refit bumper and secure to Crossbar (A) using remaining Bolts (E). Fully tighten all bolts
5. Attach Centre Tube (C) to Towbar Mainframe (A) using Bolts (J)

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

