WITTER Fitting

Instructions

MATERIALS:

- A 1 Crossbar
- B 2 Sidearms
- C 4 M12 x 35 x 1.75mm Bolts & Nyloc Nuts
- D 2 M12 x 45 x 1.75mm Bolts, Flat Washers & Nyloc Nuts
- E 2 M12 x 45 x 1.75mm Bolts, Lock Washers, Flat Washers and Cage Nut Assembly
- ZE 1 Flip-up Electrical Plate Kit
- ZN 1 Chosen Neck (Detachable shown for illustration purposes)

This tow bar must be used with either a Witter Tow ball (part number Z11) or Class A50-1 or A50-X tow ball dimensionally Conforming to A50-1 with a 'D' and 'S' value greater than or equal to that of the tow bar.

FITTING:

- 1. Remove the boot floor mat, luggage rails and moulded accessory tray. The boot lining on one side may need loosening to allow the tray to be removed. The chassis rails will be revealed, remove tape covering two mountings on each inner face of the rails.
- 2. Unclip the plastic boot sill by pulling upwards allowing access to four fixings which are hidden by rubber covers. Take care when removing the four nuts located through the hidden openings, as they can easily be dropped into the vehicle bodywork.
- 3. Ease the wheel arch trim away from their clips in order to get access to fixings behind, but also to gain better access to fixings within the wheel arch. Remove the fixings from within the wheel arch, along the bumpers edge and two fixings on the boot face. Beginning at the bumper tips, ease the bumper away from its clips. Remove any wiring attaching the bumper to the vehicle.
- 4. Remove the bumper beam and hand back to the customer, but re-fit bolts back into position.
- 5. Assemble Cage Nuts from fixings (E) to Crossbar (A) using the separate fitting instructions.
- Using fixings (C) bolt together Sidearms (B) to Crossbar (A) as shown. Slide the arms of the assembly down into the chassis rails and, from within the luggage compartment, using fixings (D) & (E) loosely tighten.
- 7. Align the bar and fully tighten all bolts to recommended torque settings.
- 8. <u>Detachable necks</u>: Attach neck option (ZN) and Electrical Plate (ZE) to Crossbar (A) using the separate instructions. With the detachable neck removed, re-fit the bumper, remembering to re-attach any wiring and taking note of the bumper cut note below. Re-fit trim.
- **9.** <u>**Fixed necks**</u>: Re-fit the bumper, remembering to re-attach any wiring and taking note of the bumper cut note below. Attach the neck option (ZN) and Electrical Plate (ZE) to Crossbar (A) using the separate fitting instructions. Re-fit trim.
- **10.** Some bumpers have a pre-existing bumper cut out; other bumpers may need to be cut using the recommended rectangular cut out indicated within the bumper.

Recommended torque settings:

Grade 8.8 bolts: M12 - 80 Nm



