



# Fitting Instruction

TOWBAR F119  
For 4.W.D FORD RANGER TIPPER (VFS)

## MATERIALS

A	1	Cross Bar with European facing to 94/20/EC A50-1
B	1	10mm Coupling Packer
D	2	Side Plates
E1	1	Left hand chassis stiffener
E2	1	Right hand chassis stiffener
F1	1	Left hand light board support bracket
F2	1	Right hand light board support bracket
G	2	Captive Straps
H	6	<b>M12x1.5x35 Bolts and 4 off Disc Spring Washers (Note: 1.5 Pitch Bolts used for fixing to chassis rail only)</b>
J	4	M10x1.5x25mm Bolts and Nyloc Nuts
K	8	M12x1.75x45 Bolts, 2 off Washers (OD 50mm) and Nyloc Nuts
CB	2	M16 x 50mm Coupling Bolts, Nuts, Lock Washers
S	1	Warning Label
Z93	1	Deflector Plate

**Type Approval Number:**  
**e11\*94/20\*6420\*00**

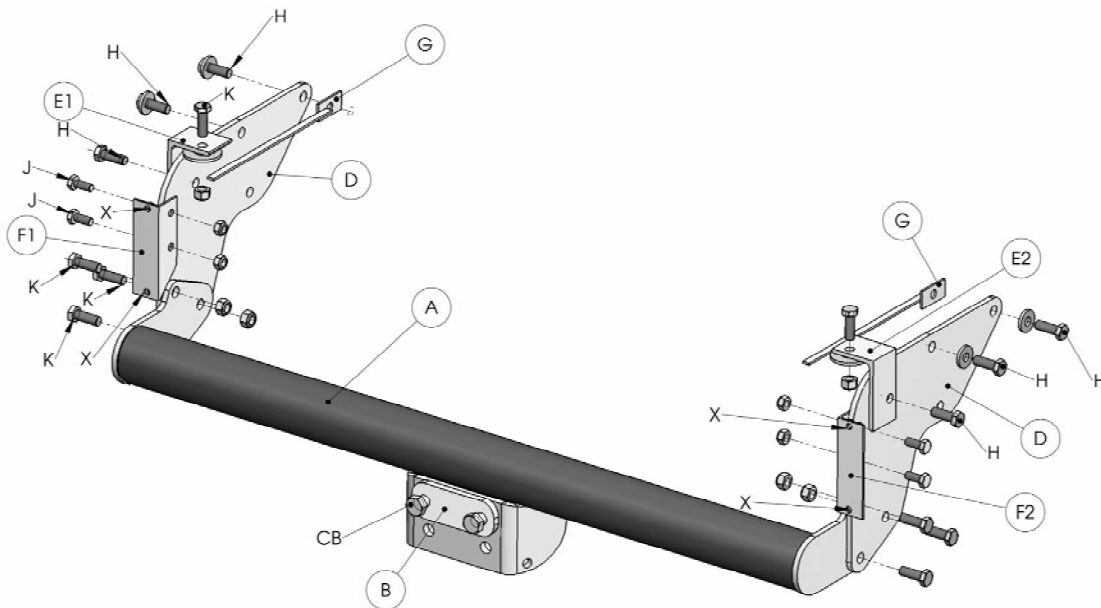
## FITTING

1. **Lower spare wheel** using the supplied wheel brace. (Often located behind the rear seats.)
2. Remove and discard the mounting brackets attaching light board to chassis.
3. Loosely attach Side plates (D) and chassis stiffeners (E1) and (E2) to the outer facing edge of the chassis rail and loosely attach using Bolts (H), Captive Nut Strap (G) and Disc Spring Washers.
4. Place Crossbar (A) between side plates (D), and attach using bolts (K).
5. Fix the light board support brackets (F1 and F2) to light board using original bolts (see below for correct alignment).
6. Attach light board assembly to Sidearms (D) using Bolts (J). Loosely attach chassis stiffeners (E1) and (E2) to top of chassis using remaining Bolts (K) and Flat Washer fitted inside chassis.
7. Fully tighten all bolts.
8. Raise the spare wheel (may deflect forwards slightly). Attach Warning Label (S) to tipper hand control box.

**Note:** This towbar must be used with either a Witter Towball (part number Z11) 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



**IMPORTANT INFORMATION**

When operating the body tipping system it is essential to ensure that the tailgate does not become obstructed by the towball or towbar coupling during the tipping operation.

Failure to do so could result in damage to the tailgate, towbar or the vehicle chassis.

It is the responsibility of the tipper driver/operator to monitor and check during the tipping operation.

**IT IS ESSENTIAL THAT THIS INFORMATION SHEET IS HANDED TO THE END USER,  
KEPT WITH THE VEHICLE HANDBOOK, AND ALL OPERATORS MADE AWARE OF  
THESE RECOMMENDATIONS.**