

**TOW BAR C-125 FOR  
Citroen Xsara Kombi  
(05/1998 - )  
FITTING AND OPERATION MANUAL**

**Cat. No.C-125**

**DESTINATION**

Tow bar **C-125** for a **Citroen Xsara Kombi** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **e20** certification sign.

**FITTING CONDITIONS**

Tow bar **C-125** can be used and operated in a car with proper technical conditions of body elements. Those parts cannot be mechanically damaged. The ball hook has to be installed and operated in a car according to this instruction. All bolts and nuts in ball hook have to be screwed down with proper torque (Mo). Torque values are given below:

M8	-	25 (Nm)	M12	-	85 (Nm)
M10	-	50 (Nm)	M16	-	200 (Nm)

**OPERATION CONDITIONS**

The tow bar **C-125** has a rating plate describing correct and safe loads of the hook:

Typ: <b>C-125</b>	The tow bar for <b>Citroen Xsara Kombi</b>
<b>A50-X</b>	Tow bar class ( compressing device )
<b>e20 xxxx-00</b>	Tow bar certification of approval number
<b>D = 7,3 kN</b>	Teoretical related force working on a ball hook
<b>S = 80 kg</b>	Max permissible vertical load of the hook ball
<b>R = 1300 kg</b>	Max permissible load of towing trailer

**D - force is calculated using the following formula:**

$$D = g \times \frac{T \times R}{T + R} \text{ kN}$$

T-technically permissible maximum mass in tonnes of the towing vehicle (also towing tractors) including, if necessary, the vertical load of a centrale axle trailer.  
R-technically permissible maximum mass in tonnes of the full trailer with drawgal free to move in the vertical plane or of the semi-trailer.  
g-acceleration due to gravity(assumed as 9,81 m/s<sup>2</sup>)

During operating individual elements of ball hook should be kept in a proper technical condition and protected from corrosion. The trailer must be linked with an elastic joint with proper durability ( cord , chain ) while towing .It is necessary to check periodically bolt joints during operating the ball hook. If screws are eased , it is necessary to screw them down .

**FITTING**

The tow bar **C-125** for **Citroen Xsara Kombi** is made up of the following elements:

- |                                      |            |                       |            |
|--------------------------------------|------------|-----------------------|------------|
| 1. Towbar mainframe                  | - 1 piece  | 9. Bolt M12x30        | - 4 pieces |
| 2. Tow ball with support             | - 1 piece  | 10.Bolt M12x35        | - 2 pieces |
| 3. Electrical socket plate           | - 1 piece  | 11.Bolt M12x50        | - 2 pieces |
| 4. Right support                     | - 1 piece  | 12.Flat washer 10,5   | - 4 pieces |
| 5. Left support                      | - 1 piece  | 13.Spring washer 10,2 | - 4 pieces |
| 6. Distance sleeve 24,5/ 12,5x15     | - 2 pieces | 14.Spring washer 12,2 | - 8 pieces |
| 7. Bolt M10x20                       | - 2 pieces | 15.Nut M10            | - 2 pieces |
| 8. Special bolt M10x30 with flat bar | - 2 pieces | 16.Nut M12            | - 4 pieces |

Follow the general directions in order to fit **C-125** tow bar properly:

- 1.Rear bumper removing and cutting **is not required**.
- 2.Remove spare wheel.
- 3.Take the towbar to pieces.
- 4.Attach loosely (1) to rear panel and tight using (7) with (13) and (12).
- 5.Attach (5) with (10) to the outside of the left car frame and tight (1) through holes in car frame using (14) and (16).
- 6.Insert (11) into holes in (1) through holes in car frame, then put (6) and (4) on bolts and tight using (14) and (16).
- 7.Remove hole plugs from the boot side. Put (8) to fitting points in boot and tight (4), (5) and (8) using (12), (14) and (15). Refit hole plugs.
- 8.Tight (2) and (3) to (1) using (9) and (14).
- 9.Check if all bolts and nuts are correctly tightened.

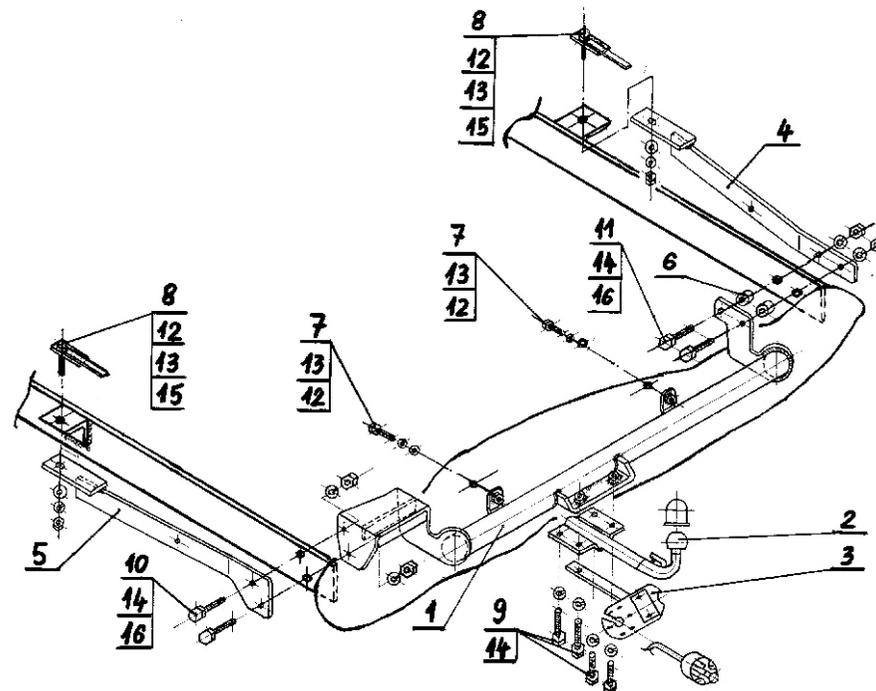
**Obeying this instruction assures correct montage and the tow bar operating in a Citroen Xsara Kombi.**

After assembling of the tow bar **C-125** you have to get entry in cars **registration book** in a quality control station .

**CAUTION :**

Check if all bolts and nuts are correctly tightened after 1000km. Keep tow ball clean, grease and cased. All mechanical damages of tow bar excludes its further exploitation . Damaged ball hook **cannot be repaired**. In case of braking the rules of montage or unproper usage manufacturer **do not take responsibility** for arised damages .

**MONTAGE DIAGRAM :**



**NOTE :**

Bunch of wires is not included (in total price).