

**TOW BAR  
FOR CITROEN  
Citroen Berlingo I /  
(1996 - 12/2002), (01/2003 - 2008)  
Peugeot Partner I  
(1996 - 12/2002), (01/2003 - )**

**FITTING AND OPERATION MANUAL.  
Nr kat. C-021**

**DESTINATION**

Tow bar **C-021** for a **Citroen Berlingo / Peugeot Partner** 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-021** 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-021** has a rating plate describing correct and safe loads of the hook:

Typ: <b>C-021</b> <b>A50-X</b> e20 <b>0156-00</b> D = 7,0 kN S = 70 kg R = 1100 kg	The tow bar for <b>Citroen Berlingo / Peugeot Partner</b> Tow bar class (compressing device) Tow bar certification of approval number Teoretical related force working on a ball hook Max permissible vertical load of the hook ball Max permissible load of towing trailer
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**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-021** for **Citroen Berlingo / Peugeot Partner** is made up of the following elements:

- |                                  |            |                        |             |
|----------------------------------|------------|------------------------|-------------|
| 1. Towbar mainframe              | - 1 piece  | 9. Bolt M12x35         | - 4 pieces  |
| 2. Tow ball                      | - 1 piece  | 10. Bolt M12x65        | - 2 pieces  |
| 3. Electrical socket plate       | - 1 piece  | 11. Bolt M10x80        | - 4 pieces  |
| 4. Right support                 | - 1 piece  | 12. Flat washer 10,5   | - 6 pieces  |
| 5. Left support                  | - 1 piece  | 13. Flat washer 13,0   | - 10 pieces |
| 6. Distance sleeve 14,0/ 10,5x50 | - 4 pieces | 14. Spring washer 10,2 | - 6 pieces  |
| 7. Special washer 40/ 10,5x2,5   | - 4 pieces | 15. Spring washer 12,2 | - 6 pieces  |
| 8. Bolt M10x30                   | - 2 pieces | 16. Nut M10            | - 4 pieces  |
|                                  |            | 17. Nut M12            | - 6 pieces  |

Follow the general directions in order to fit **C-021** tow bar properly:

1. Rear bumper cutting is not required.
2. Dismantle a tow bar into kit-form elements.
3. Remove spare wheel (for the tow bar's mounting time).
4. Screw (1) to the back stripe using (8), (12) and (14).
5. From the external side of chassis frames place (6) into holes (two on each chassis frame) and from the internal side place (4), (5) next screw all together down using (11), (7), (12), (14) and (16).
6. Mount (1) into (4) and (5) using (9), (13), (15) and (17).
7. Mount (2) into (1) using (10), (15), (13) and (17), screwing (3) on the left side of (2).
8. Check if all fixing bolts and nuts are screwed hard enough.

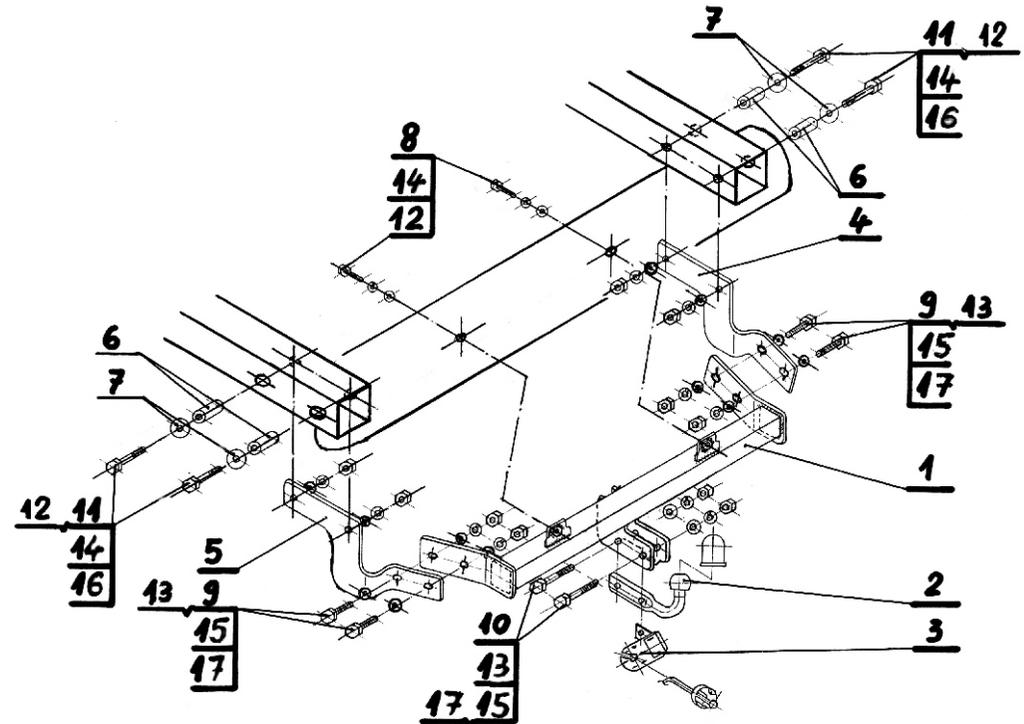
**Obeying this instruction assures correct montage and the tow bar operating in a Citroen Berlingo / Peugeot Partner.**

After assembling of the tow bar **C-021** you have to get entry in cars **registration book** in a quality control station.

**CAUTION:**

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).