

DESTINATION

Tow bar **C-105** for a **Citroen Saxo(3/5D)** 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-105** 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-105** has a rating plate describing correct and safe loads of the hook:

| | |
|---|--|
| Typ: C-105 A50-X e20 0157-00 D = 6,1 kN S = 50 kg R = 1100 kg | The tow bar for Citroen Saxo(3/5D) 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 |
|---|--|

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 vehicale (also towing tractors) including, if neccessary, 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/s²)

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-105** for **Citroen Saxo(3/5D)** is made up of the following elements :

- | | | | |
|----------------------------------|------------|-----------------------|------------|
| 1. Towbar mainfame | - 1 piece | 6. Bolt M12x30 | - 6 pieces |
| 2. Tow ball with support | - 1 piece | 6. Bolt M12x65 | - 4 pieces |
| 3. Electrical socket plate | - 1 piece | 7. Flat washer 13,0 | - 2 pieces |
| 4. Distance sleeve 17,3/ 12,5x38 | - 4 pieces | 8. Spring washer 12,2 | - 10pieces |
| 5. Special washer 40/ 12,5x2,5 | - 4 pieces | 10.Nut M12 | - 6 pieces |

Follow the general directions in order to fit **C-105** tow bar properly:

1. Rear bumper cutting is **not required** as also demounting.
2. Take the towbar for peaces.
3. Unmount the cover for silencer to better mounting a towbar.
4. Drill two holes 12,5 through existing holes in both chasis side members.

5. Screw (1) and drill another hole in chasis side member through the hole existing in side support of (1) (far from the back strip).
6. Take off (1).
7. From inteernal side of chasis side member drill holes for (4) using drill 17,5 (through one wall).
8. Insert (4) into chasis side member, place (1) and from external side screw (7) with (5) through (4), and from internal side of (10) with (9).
9. Screw (1) with back strip (through existing holes) using (6) inserted to trunk side with (8) (10) with (9).
- 10.To (1) screw (2) using (6) with (9) and from the left side of (2) element (3).
- 11.Check if all bolts and nuts are correctly tightened.

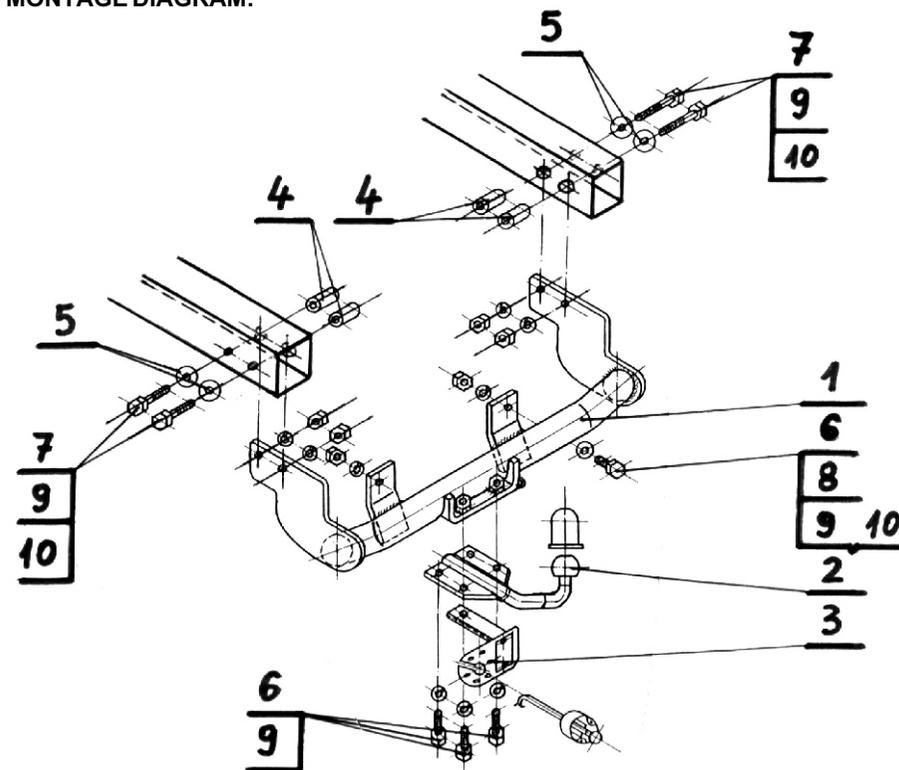
Obeying this instruction assures correct montage and the tow bar operating in a Citroen Saxo(3/5D).

After assembling of the tow bar **C-105** 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).