

**FITTING AND OPERATION MANUAL.**

**Cat. No. M-350**

**DESTINATION**

Tow bar **M-350** for a **Mitsubishi Pajero Sport** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **e4** certification sign.

**FITTING CONDITIONS**

Tow bar **M-350** 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 **M-350** has a rating plate describing correct and safe loads of the hook:

Typ: <b>M-350</b> <b>A50-X</b> <b>e4</b> <b>00-3310</b> D = 13,6 kN S = 100 kg R = 2800 kg	The tow bar for <b>Mitsubishi Pajero Sport</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 **M-350** for **Mitsubishi Pajero Sport** is made up of elements as follows :

- |                       |           |                       |            |
|-----------------------|-----------|-----------------------|------------|
| 1. Tow bar's body     | - 1 piece | 6. Spring washer 12,2 | - 6 pieces |
| 2. Forget hook ball   | - 1 piece | 7.Spring washer 16,3  | - 2 pieces |
| 3. Bolt M12x(1,25)x40 | - 2 piece | 8.Flat washer 13,0    | - 6 pieces |
| 4. Bolt M12x120       | - 4 piece | 9.Flat washer 17,0    | - 2 pieces |
| 5. Bolt M16x50        | - 2 piece | 10.Nut M12            | - 4 pieces |
|                       |           | 11.Nut M16            | - 2 pieces |

Follow the general directions in order to fit **M-350** tow bar properly:

- 1.Rear bumper cutting **is not required**.
- 2.Turn off the factory-made towing lugs from the left and right side of the chassis rails(they will not be used again).

- 3.Put (1) into the chassis rails and screw using (4) with (8) and (6) and (10).
- 4.Then screw all through the side supports opening of (1) to factory-made nuts using (3) and (6) and (8).
- 5.Screw (2) to (1) using (5), (9), (7) and (11).
- 6.Check if all fixing bolts and nuts are correctly tightened.

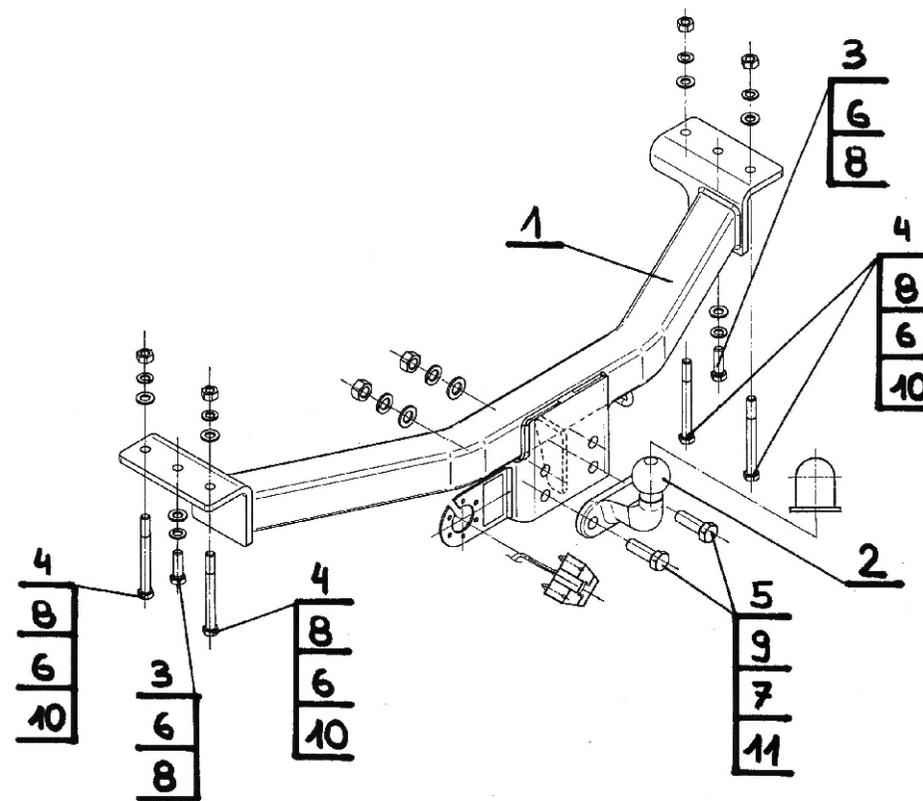
**Obeying this instruction assures correct montage and the tow bar operating in a Mitsubishi Pajero Sport.**

After assembling of the tow bar **M-350** 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).