

**TOW BAR V-072 FOR  
VW JETTA II (4D) (2005 r. - r.)  
FITTING AND OPERATION MANUAL**

**Cat. No.V-072**

**DESTINATION**

Tow bar **V-072** for a **VW Jetta II (4D)** 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 **V-072** 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 **V-072** has a rating plate describing correct and safe loads of the hook:

Typ: <b>V-072</b> <b>A50-X</b> <b>e20 0381-00</b> D = 9,3 kN S = 75 kg R = 1800 kg	The tow bar for <b>VW Jetta II (4D)</b> Tow bar class ( compressing device ) Tow bar certification of approval number Theoretical 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 **V-072** for **VW Jetta II (4D)** is made up of the following elements :

- |                                |            |                       |            |
|--------------------------------|------------|-----------------------|------------|
| 1. Tow bar mainframe           | - 1 piece  | 6. Bolt M10x35        | - 4 pieces |
| 2. Tow ball                    | - 1 piece  | 7. Bolt M12x100       | - 2 pieces |
| 3. Electrical plate            | - 1 piece  | 8. Spring washer 10,2 | - 4 pieces |
| 4. Distance washer             | - 2 piece  | 9. Spring washer 12,2 | - 2 pieces |
| 5. Special washer 40/ 10,5x2,5 | - 4 pieces | 10. Flat washer 13,0  | - 2 pieces |
|                                |            | 11. Bolt M12          | - 2 pieces |

Follow the general directions in order to fit **V-072** tow bar properly:

- 1.Rear bumper cutting is required.
- 2.Dismantle the rear bumper from the car.
- 3.Remove the bumper reinforcement and take the tow bar to pieces.
- 4.Remove the end silencer of the exhaust pipe and the heat shield.
- 5.Attach (1) to the chassis rails using (6), (5), (8).
- 6.Put the rear bumper to the car, mark the place and the size to be cut. Cut the marked surfaces out.
- 7.Attach (2) and (3) to (1) using (4), (7), (10), (9) and (11).
- 8.Refit end silencer of the exhaust pipe and the heat shield.
- 9.Refit and attach the rear bumper to the car.
- 10.Check if all fixing bolts and nuts are correctly tightened.

**CAUTION:** After mounting the ball hook there is no place to put the bumper strengthening in stringers.

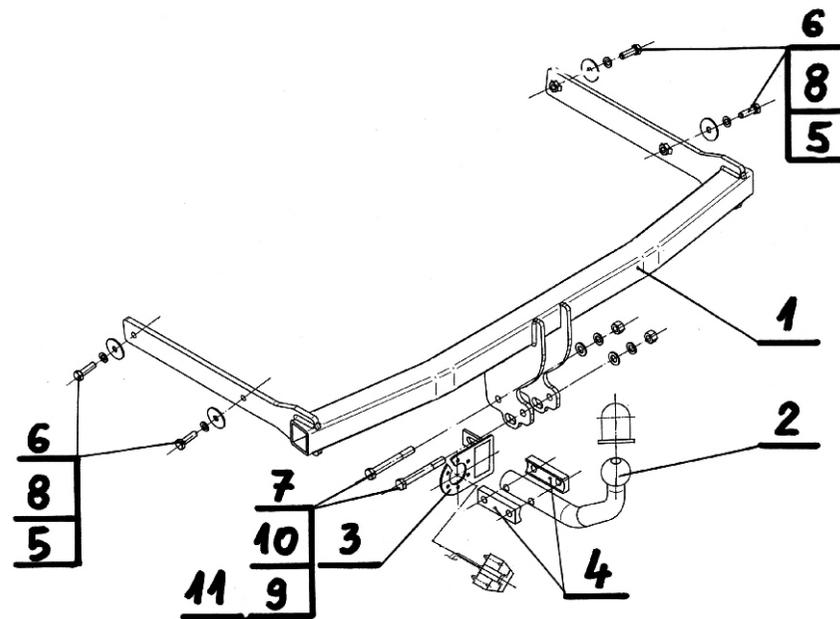
**Obeying this instruction assures correct montage and the tow bar operating in a VW Jetta II (4D).**

After assembling of the tow bar **V-072** 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).