

DESTINATION

Tow bar **V-056** for a **Volkswagen Golf IV (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 **V-056** 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-056** has a rating plate describing correct and safe loads of the hook:

Typ: V-056	The tow bar for Volkswagen Golf IV (3/5D)
A50-X	Tow bar class (compressing device)
e20 0178-01	Tow bar certification of approval number
D = 8,9 kN	Theoretical related force working on a ball hook
S = 85 kg	Max permissible vertical load of the hook ball
R = 1600 kg	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/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 **V-056** for **Volkswagen Golf IV (3/5D)** is made up of the following elements:

- | | | | |
|--------------------------------|------------|-----------------------|------------|
| 1. Tow bar mainfame | - 1 piece | 6. Bolt M12x65 | - 2 pieces |
| 2. Tow ball | - 1 piece | 7. Flat washer 13,0 | - 2 pieces |
| 3. Electrical socket plate | - 1 piece | 8. Spring washer 10,2 | - 4 pieces |
| 4. Special washer 40/ 10,5x2,5 | - 4 pieces | 9. Spring washer 12,2 | - 2 pieces |
| 5. Bolt M10x35 | - 4 pieces | 10.Nut M12 | - 2 pieces |

Follow the general directions in order to fit **V-056** tow bar properly:

1. Rear bumper cutting **is required**.
2. Unmount rear bumper also remove metal bowl of rear bumper (it will not be used anymore).
3. From bottom of car and the side of chassis side member, under the strate of preservation find two holes.

- 4.Put (1) to the tunnel of chassis side member, and next crew it with (5) with (4) and (8).
- 5.Mount rear bumper after cutting in fabrical marked places..

CAUTION: If there is no such cut places, must be fitted to each kind of bumper.

- 6.To (1) screw (2) using (6) with (7), (9), (10), and screw from the left side of (2) element (3).
- 7.Check if all bolts and nuts are correctly tightened.

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

After assembling of the tow bar **V-056** 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.

***Towbar V-056 is made for models such:**

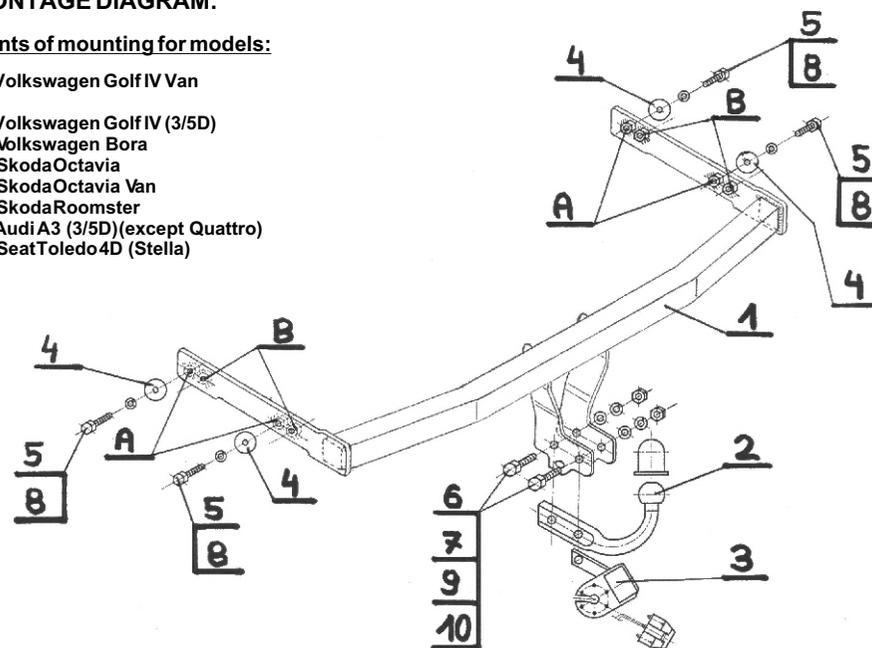
- Volkswagen Golf IV (3/5D)** (10/1997 - 10/2003 r.)
- Volkswagen Golf IV Van** (08/1999 - r.)
- Volkswagen Bora (4D)** (1998 - r.)
- Skoda Octavia** (12/1996 - r.)
- Skoda Octavia Van** (1998 - r.)
- Skoda Roomster** (2006 - r.)
- Audi A3 (3/5D) (except Quattro)** (09/1996 - 05/2003 r.)
- Seat Toledo 4D (Stella)** (04/1999 - 2004 r.)

MONTAGE DIAGRAM:

Points of mounting for models:

A - Volkswagen Golf IV Van

- B - Volkswagen Golf IV (3/5D)**
 Volkswagen Bora
 Skoda Octavia
 Skoda Octavia Van
 Skoda Roomster
 Audi A3 (3/5D) (except Quattro)
 Seat Toledo 4D (Stella)



NOTE :

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