

TOWBAR S-271 FOR SKODA FABIA (4D / STATION WAGON)

(2001 -)

FITTING AND OPERATION MANUAL.

Cat. No.S-271

DESTINATION

Tow bar **S-271** for a **Skoda Fabia (4D / Station Wagon)** 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 **S-271** 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-123** has a rating plate describing correct and safe loads of the hook:

Typ: S-271 A50-X e20 0008-00 D = 7,0 kN S = 50 kg R = 1200 kg	The tow bar for Skoda Fabia (4D / Station Wagon) 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/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 **S-271** for **Skoda Fabia (4D / Station Wagon)** is made up of the following elements :

1. Towbar mainframe	- 1 piece	5.Bolt M12x30	- 4 pieces
2. Tow ball with a cantilever	- 1 piece	6.Bolt M10x35	- 4 pieces
3. Socket handle.	- 1 piece	7.Spring washer 10,2	- 4 pieces
4. Special washer 40/ 10,5x2,5	- 4 pieces	8.Spring washer 12,2	- 4 pieces

Follow the general directions in order to fit **S-271** tow bar properly

- 1.Mounting tow ball require cutting rear bumper (in bottom part of rear bumper).
- 2.Dismantle the rear bumper.
- 3.Unscrew the strengthening of rear bumper and dismantle the tow bar into montage elements.

- 4.Remove plugs from the openings at the outside sides of side members, made to mount a tow ball.
- 5.Screw tow ball(1) through the openings point 4. With bolts M10x35 (6) together with special washers 40(4) and spring washers 10,2(7)
- 6.Put the rear bumper to the car, mark place and size of cutting in bottom part of rear bumper and do the cutting.
- 7.To the towbar (1) screw the tow ball (2) with bolts M12x30 (5) together with spring washers 12,2 (8) screwing at the same time socket handle (3) on the left side of hook ball (2).
- 8.Mount the rear bumper to the car.
- 9.Check if all bolts are screwed hard enough.

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

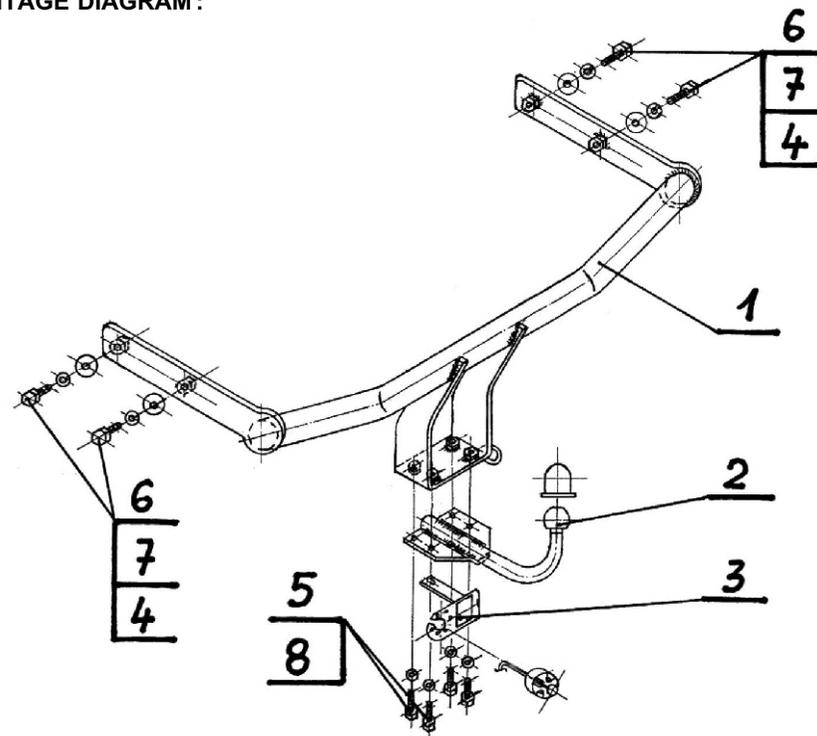
Obeying this instruction assures correct montage and the tow bar operating in a Skoda Fabia (4D / Station Wagon).

After assembling of the tow bar **S-271** 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).