

TOW BAR S-345 SKODA Superb (4D)





FITTING AND OPERATION MANUAL.

Zertifikat Nr. 71 100 D 366

Cat. No.S-345

Cat. No. S-34

DESTINATION

Tow bar S-345 for a Skoda Superb (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 \$-345 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 (M_o). Torque values are given below:

M8	-	25	(Nm)		M12	-	85	(Nm)
M10	-	50	(Nm)	C_	M16	-	200	(Nm)

OPERATION CONDITIONS

The tow bar S-345 has a rating plate describing correct and safe loads of the hook:

D - force is calculated using the following formula:



T-technically permissible maximum mass in tonnes of the towing vehicale (also towning 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 S-345 for Skoda Superb (4D) is made up of the following elements:

1. Tow bar's body	- 1 piece	Spring washer	10,2	- 2 pieces
2. Hook ball	- 1 piece	Spring washer	12,2	- 2 pieces
Socket holder	- 1 piece	9. Simple washer	13,0	- 2 pieces
4. Special washer	40/ 10,5x2,5 - 8 pieces	10. Nut M10		- 2 pieces
5. Bolt M12x70	- 2 pieces	11.Nut M12		- 2 pieces
Bolt M12x100	- 6 pieces			

Follow the general directions in order to fit S-345 tow bar properly

- 1. Tow bar installing operation does not require car's rear bumper cutting.
- 2. Dismantle car's rear bumper then unscrew bumpers strengthening.
- 3. Take apart separate assembling pieces of tow bar.

- 4. Remove plugs from the holes located inside of the bumper where the tow bar installing bolts will be assembled
- 5.Insert the tow bar's body (1) to inside of longitudinals, next put the bolts M10x100 (6) with special washers 40 (4) into holes from inside of bumper.
- 6.Screw down the bolts (the farthest from rear belt in each side) both with: nuts M10 (10), special washers 40 (4), spring washers 10,2(7).
- 7. Screwthe remaining bolts M10x100 (6) with the rest of the nuts.
- 8. Mount rear bumper to the car.
- 9. Screw hook ball (2) down to the tow bar's body (1) both with: bolts M12x65 (5), simple washers 13,0 (9), spring washers 12,2(8), nut M12 (11).
- 10. Check if all bolted joints are screwed hard enough.

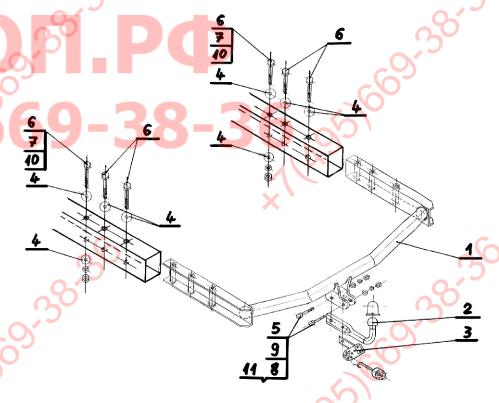
Obeying this instruction assures correct montage and the tow bar operating in a Skoda Superb (4D).

After assembling of the tow bar S-345 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)