

TOW BAR T-100 FOR TOYOTA AVENTIS (4/5D), (T22) FITTING AND OPERATION MANUAL.

(1997 - 04/2003 r.)

Nr kat. T-100

DESTINATION

Tow bar T-100 for a Toyota Avensis (4/5D) 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 T-100 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 T-100 has a rating plate describing correct and safe loads of the hook:

Typ: T-100	The tow bar for Toyota Avensis (4/5D)
A50-X	Tow bar class (compressing device)
E20 55R-01 1405	Tow bar certification of approval number
D = 8,3 kN	Theoretical related force working on a ball hook
S = 75 kg	Max permissible vertical load of the hook ball
R = 1550 kg	Max permissible load of towing trailer

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 T-100 for Toyota Avensis (4/5D) is made up of the following elements:

- | | | | |
|-----------------------------|------------|-----------------------|------------|
| 1. Tow bar's body | - 1 piece | 5. Flat washer 13,0 | - 2 pieces |
| 2. Ball hook | - 1 piece | 6. Spring washer 12,2 | - 2 pieces |
| 3. Electrical socket holder | - 1 piece | 7. Nut M12 | - 2 pieces |
| 4. Bolt M12x70 | - 2 pieces | | |

In order to mount the ball hook T-100 you have to obey the instruction below:

- Rear bumper and stiffening ribs cutting is required.
- Dismantle rear bumper. Dismantle a tow bar into kit-form elements. After dismantling rear bumper remove stiffening ribs (from the inner side) placed in the bottom side of rear bumper.
- Dismantle original towing holders from the left and right chassis frame.
- Place (1) into chassis frames and screw it down using bolts left after dismantling towing holders.
- Place rear bumper and mark place and size of a cut-out. Remove rear bumper and make an undercut (size 60x90mm).
- Mount rear bumper.
- Mount (2) into (1) using (4), (5), (6) and (7), screwing (3) on the left side of (2) at the same time.
- Check if all fixing bolts are screwed hard enough.

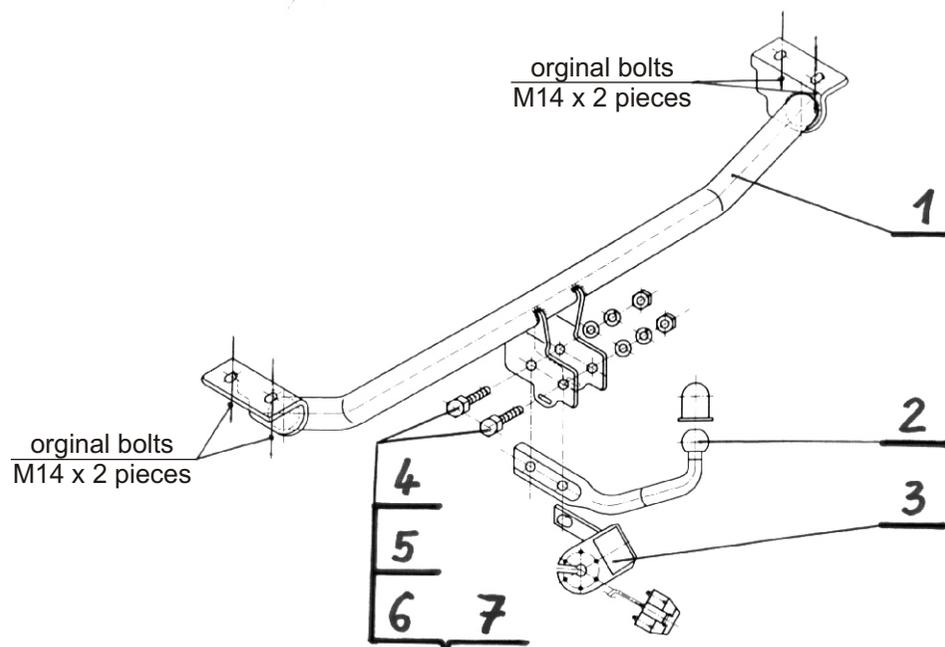
Obeying this instruction assures correct montage and the tow bar operating in a Toyota Avensis (4/5D).

After assembling of the tow bar T-100 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).