

TOW BAR N-087 FOR NISSAN Navara (D40)



(with stepbumper) (05/2005 - r.)

FITTING AND OPERATION MANUAL.

Cat. No. N-087

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DESTINATION

Tow bar **N-087** for a **Nissan Navara (D40)** is designed for towing a trailer. This ball hook has a current certification of approval authorizing the product with **e4** certification sign.

FITTING CONDITIONS

Tow bar **N-087** 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_0) . Torque values are given below:

М	8 -	25	(Nm)	M12	-	85	(Nm)
M	10 -	50	(Nm)	M16	-	200	(Nm)

OPERATION CONDITIONS

The tow bar **N-087** 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 N-087 for Nissan Navara (D40) is made up of elements as follows:

1. Towbar mainframe	- 1 piece	8.Spring washer 12,2	- 14pieces
Forged towball	- 1 piece	9.Spring washer 16,3	- 2 pieces
Right strenghtening	- 1 piece	10.Flat washer 13,0	- 14pieces
Left strenghtening	- 1 piece	11.Flat washer 17,0	- 2 pieces
5. Bolt M12x40	- 4 pieces	12.Nut M12	- 4 pieces
6. Bolt M12(1,25)x40	- 10pieces	13.Nut M16	- 2 pieces
7. Bolt M16x50	- 2 pieces		

Follow the general directions in order to fit **N-087** tow bar properly:

1. Rear bumper cutting or dismantling is not required.

- 2. Take towbar to pieces.
- 3. Dismantle the towing lug (will not be reassemble).
- 4. Put (1) to chassis rails and screw using bolts (6) along with (8) and (10).
- 5.Put (3) and (4) from below of chassis rails and screw using (6) along with (8) and (10) then screw with (1) using (5) along with (10), (8) and (12).
- 6. Screw (2) to (1) using (7) along with (11), (9) and (13).
- 7. Check if all fixing bolts and nuts are correctly tightened.

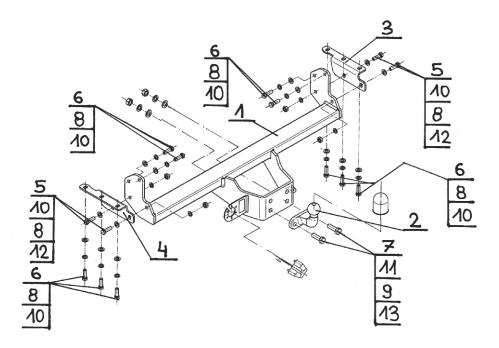
Obeying this instruction assures correct montage and the tow bar Operating in a Nissan Navara (D40).

After assembling of the tow bar **N-087** 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). Cat. No. N-087