

TOWBAR H-034 FOR HONDA CR-V FITTING AND OPERATION MANUAL.

(03/2002 - r.)

Cat. No.H-034

DESTINATION

Tow bar **H-034** for a **Honda CR-V** 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 **H-034** 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 **H-034** has a rating plate describing correct and safe loads of the hook:

Typ: H-034 A50-X e20 0142-00 D = 8,8 kN S = 100 kg R = 1500 kg	The tow bar for Honda CR-V Tow bar class (compressing device) Tow bar certification of approval number Teoretical 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 **H-034** for **Honda CR-V** is made up of the following elements :

1. Towbar mainframe	- 1 piece	7. Bolt M10x100	- 8 pieces
2. Tow ball	- 1 piece	8. Bolt M12x65	- 3 pieces
3. Electric plate	- 1 piece	9. Flat washer 10,5	- 16pieces
4. Flat bar	- 2 pieces	10.Flat washer 13,0	- 3 pieces
5. Distance sleeve 17,3/ 12,5x68	- 8 pieces	11.Spring washer 10,2	- 8 pieces
6. Special washer 35/ 12,5x8	- 2 pieces	12.Spring washer 12,2	- 3 pieces
		13.Nut M10	- 8 pieces
		14.Nut M12	- 3 pieces

Follow the general directions in order to fit **H-034** tow bar properly

1.Disassembly of rear bumper is not required.

- 2.Empty the trunk.
- 3.Drill holes through the trunk floor from iside in fabric marked places for (5) using drill 17,5, and place there (5) with (4), (9) and (7).
- 4.From the bottom of chassis side member put (1) and screw it using (13) (11) and (9).
- 5.Place (6) on the hight of towing lug and screw it with (1) using (8) (10) (12) and (14).
- 6.The (2) screw with (1) and (3) using (8) and (10) (12) and (14).
- 7.Check if all bolts and nuts are correctly tightened.

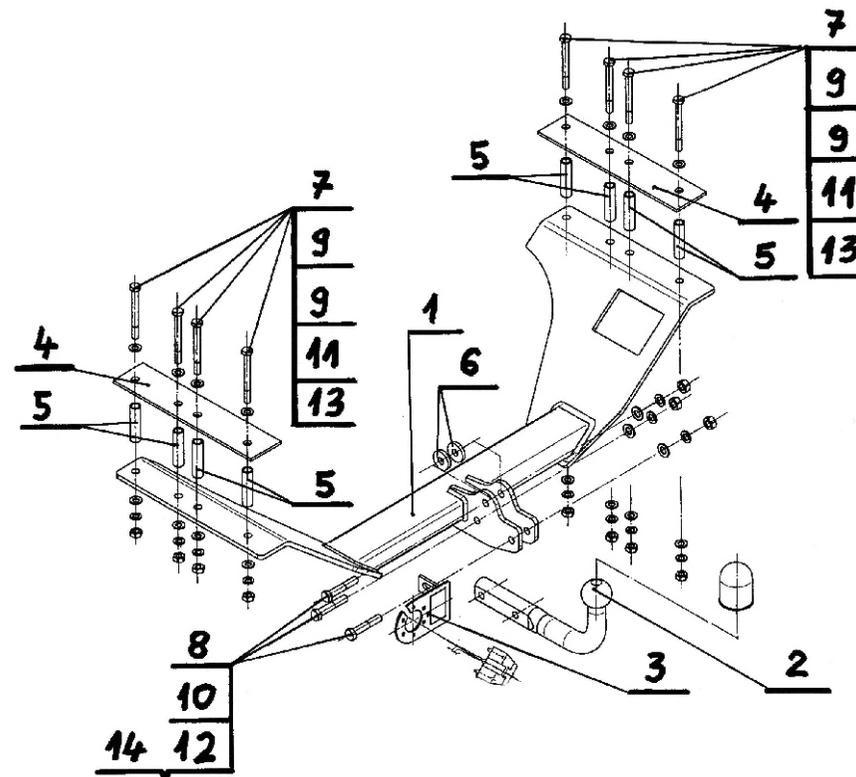
Obeying this instruction assures correct montage and the tow bar operating in a Honda CR-V.

After assembling of the tow bar **H-034** 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).