

TOW BAR FOR Honda Civic (4D) (except Hybrid)

(2012 -)

FITTING AND OPERATION MANUAL

Cat. No.H-062

DESTINATION

Tow bar **H-062** 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-062** 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-062** has a rating plate describing correct and safe loads of the hook:

Typ: H-062	Tow bar catalogue number.
A50-X	Tow bar class (compressing device)
E20 55R-01 4369	Tow bar certification of approval number
D = 8,9 kN	Theoretical related force working on a ball hook
S = 75 kg	Max permissible vertical load of the hook ball
R = 1700 kg	Max permissible load of towing trailer

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-062** is made up of the following elements:

- | | | | |
|--------------------------------------|------------|-------------------------|------------|
| 1. Towbar mainframe | - 1 piece | 11. Bolt M12x25 | - 4 pieces |
| 2. Tow ball (ACS-2040 / TERWA 30886) | - 1 piece | 12. Bolt M12x35 | - 4 pieces |
| 3. Tow ball socket | - 1 piece | 13. Bolt M12x45 | - 4 pieces |
| 4. Electrical socket plate | - 1 piece | 14. Bolt M12x100 | - 1 piece |
| 5. Right support | - 1 piece | 15. Spring washer Ø8,2 | - 6 pieces |
| 6. Left support | - 1 piece | 16. Spring washer Ø12,2 | -13 pieces |
| 7. Washer 45x8/60 | - 6 pieces | 17. Round washer Ø13,0 | - 9 pieces |
| 8. Special washer Ø24/Ø8,5x2,5 | -12 pieces | 18. Nut M8 | - 6 pieces |
| 9. Special washer Ø40/Ø12,5x3 | - 4 pieces | 19. Nut M12 | - 5 pieces |
| 10. Bolt M8x25 | - 6 pieces | | |

Please follow the installation fitting instruction below in order to ensure correct installation of the towbar:

1. Installation requires removing and cutting rear bumper.
2. Remove the rear bumper.
3. Lower the silencer with hanger.
4. Slip the supports (5, 6) into the stringers and screw it in A points using bolts M12x45 (13) with spring washers Ø12,2 (16) and washers Ø40/Ø12,5x3 (9) and screw it in B points using bolts M8x25 (10) with washers Ø24/Ø8,5x2,5 (8), spring washers Ø8,2 (15) and nuts M8 (18).
5. Between supports (5, 6) slide the towbar mainframe (1) and screw it using bolts M12x35 (12) with round washers Ø13,0 (17), spring washers Ø12,2 (16) and nuts M12 (19).
6. Hang the silencer.
7. Attach the tow ball socket (3) and electrical socket plate (4) to the towbar mainframe (1) using bolts M12x25 (11) with spring washers Ø12,2 (16) and round washers Ø13,0 (17).
8. Screw the handles of the towbar mainframe (1) with towing eye using bolt M12x100 (14) with washers (7), round washer Ø13,0 (17), spring washer Ø12,2 (16) and nut M12 (19).
9. Install the rear bumper of the car after the cutting of its fragment (fig.1).
10. Plug the tow ball (2) into the socket (3) following the attached instructions.

Caution:

Different types of (2) may be attached to the (1) only if:

1. The adapted tow has its own information label with homologation number.
2. D and S values are equal or higher than (1) values.
3. Tow ball centre-point is in accordance with the drawing.

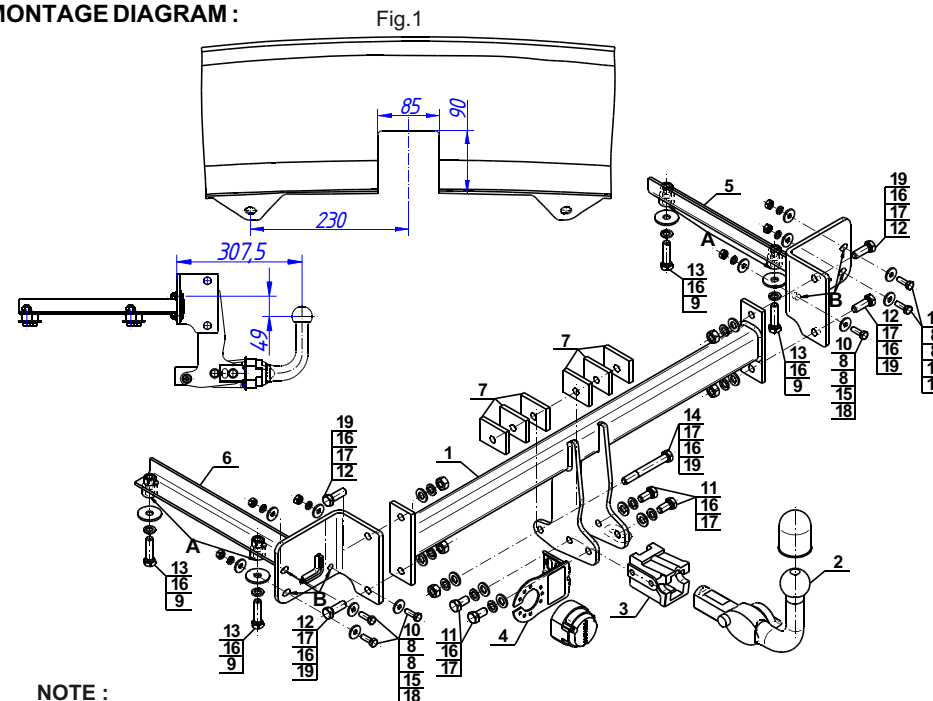
Obeying this instruction assures correct montage and the H-062 tow bar operating.

After assembling of the tow bar **H-062** you have to get entry in cars registration book.

CAUTION :

Check if all bolts and nuts are correctly tightened after 1000km. Keep tow ball clean, grease and cased. 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).