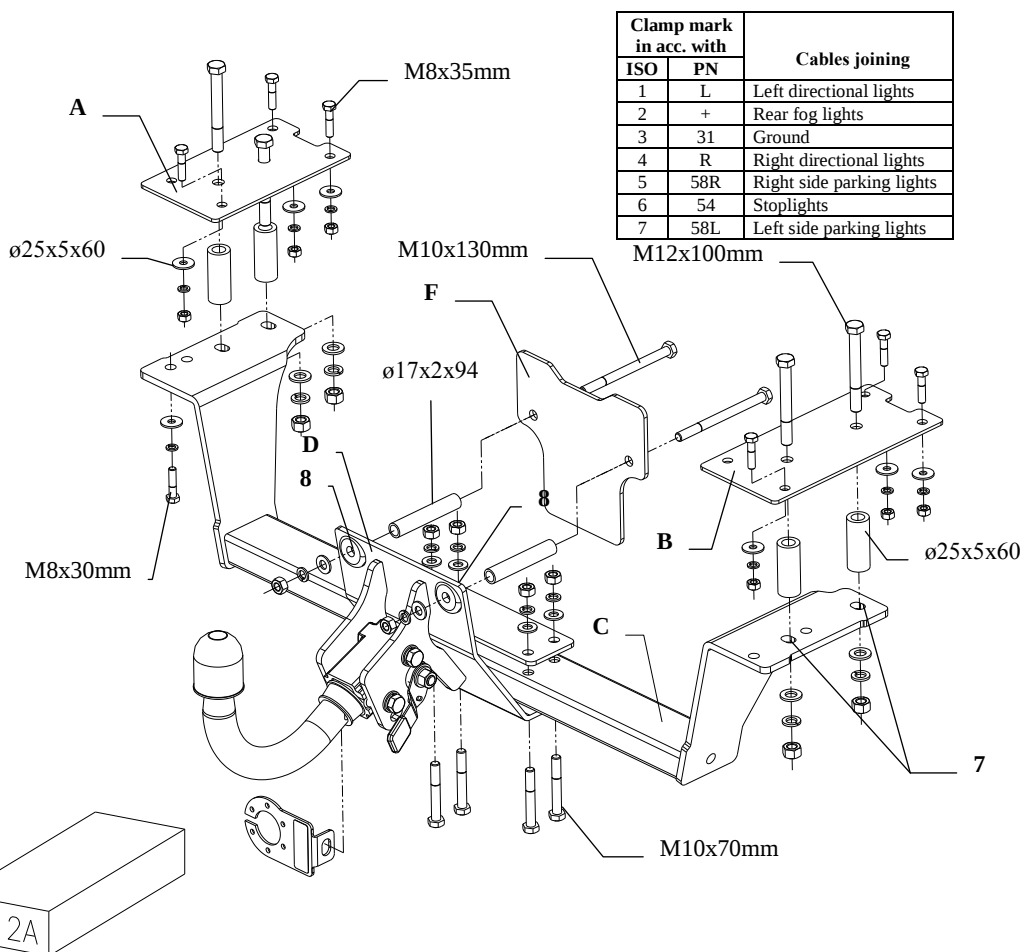


FITTING INSTRUCTION



This towbar is designed to assembly in following car:
FIAT MAREA WEEKEND ESTALE (185), produced since 10.1996 till 10.2002, catalogue no. **R12A** and is prepared to tow trailers max total weight **1400 kg** and max vertical load **70 kg**.

From manufacturer

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towbar depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towbar should be install in points described by a car producer.

The instruction of the assembly

1. Take out the spare wheel and floor fading from floor of boot.
2. Unscrew shanks to baggage fixing (nearer the car end) next disassemble the bumper (only movable part), thermal shield and original tow eye (tow eye will be not used any more).
3. In the trunk put fish-plates A and B on the left and on the right side as showed on the drawing 2, next screw it through hole pos. 1 by bolts M8x35 (in places of shanks baggage fixing).
4. Place fish-plates according with figure no. 2, next mark all holes on boot floor and drill it using bit $\varnothing 12,5\text{mm}$ -holes pos. 2 and 3, next using bit $\varnothing 8,5\text{mm}$ drill holes (pos. 4, 5, 6). Drill all holes straight through.
5. Unscrew both fish-plates. Made holes pos. 2 and 3 drill again by bit $\varnothing 25,5$; in made holes put distance sleeves $\varnothing 25 \times 5 \times 60\text{mm}$
6. Put fish-plates again. Through holes pos. 2 and 3 slip bolts M12x100, in remaining holes slip bolts M8x35. Bolts M8 screw with floor using plain washers $\varnothing 25 \times \varnothing 9 \times 3$ and spring washers.
7. From below the car, on protruding bolts put main bar of the towbar (pos. C) and fix it.
8. Through holes pos. 7 screw bolts M8 remaining after original tow eye disassemble.
9. To part pos. C put part pos. D and screw it using four bolts M10x70mm as shown on the drawing.
10. Holes pos. 8 drill straight through by bit $\varnothing 10,5\text{mm}$ (make very carefully).
11. Disassemble part pos. D.
12. Drill again made holes (only from outside!) by bit $\varnothing 17$ and next slip distance sleeves $\varnothing 17 \times 94\text{mm}$.
13. From inside of the boot put fish-plate pos. F, put in bolts M10x130mm
14. Put again part pos. D.
15. Mount muffler's handle (cut out his fragments), then thermal shield and bumper.
16. Fix body of the automat and the socket plate using bolts from accessories. Place tow-ball according to supplied instruction.
17. Tighten all bolts according to the torque shown in the table.
18. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station)
19. Complete paint layer damaged during installation.

Torque settings for nuts and bolts (8,8):

M8	25 Nm	M10	55 Nm
M12	85 Nm	M14	135 Nm

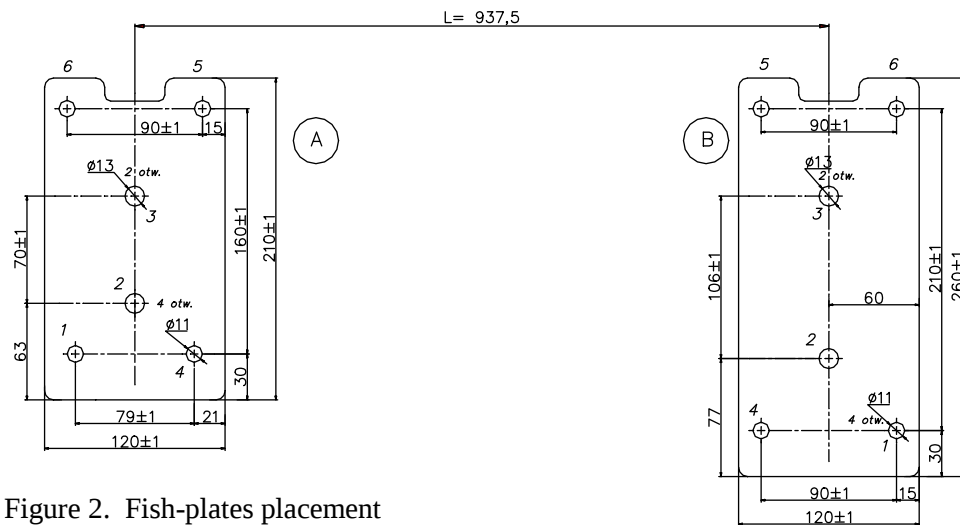


Figure 2. Fish-plates placement

NOTE

After install the towbar you should get adequate note in registration book (at authorised service station). The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km of exploitation check all bolts and nuts. The ball of towbar must be always kept clear and conserve with a grease.



PPUH AUTO-HAK S. J.

Produkcja Zaczepów Kulowych
Henryk & Zbigniew Nejman
76-200 SŁUPSK ul. Słoneczna 16K
tel/fax (059) 8-414-414; 8-414-413
E-mail: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: A50-X Cat. no. R12A

Designed for:

Manufacturer: FIAT

Model: MAREA WEEKEND

Type: ESTATE (185)

produced since 10.1996 till 10.2002

Technical data:

D-value: 8,02 kN

maximum trailer weight: 1400 kg

maximum vertical cup load: 70 kg

Approval number according to Directive 94/20/EC: **e20*94/20*0814*00**

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating compound and underseal from vehicle (if present) in the area of the matting surfaces of the towing hitch. The vehicle manufacturer's specifications regarding trailer load and max. vertical cup load are decisive for driving whereat values for the towing hitch cannot be exceeded.

D-value formula:

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]}}{\text{Max trailer weight [kg]} + \text{Max vehicle weight [kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$