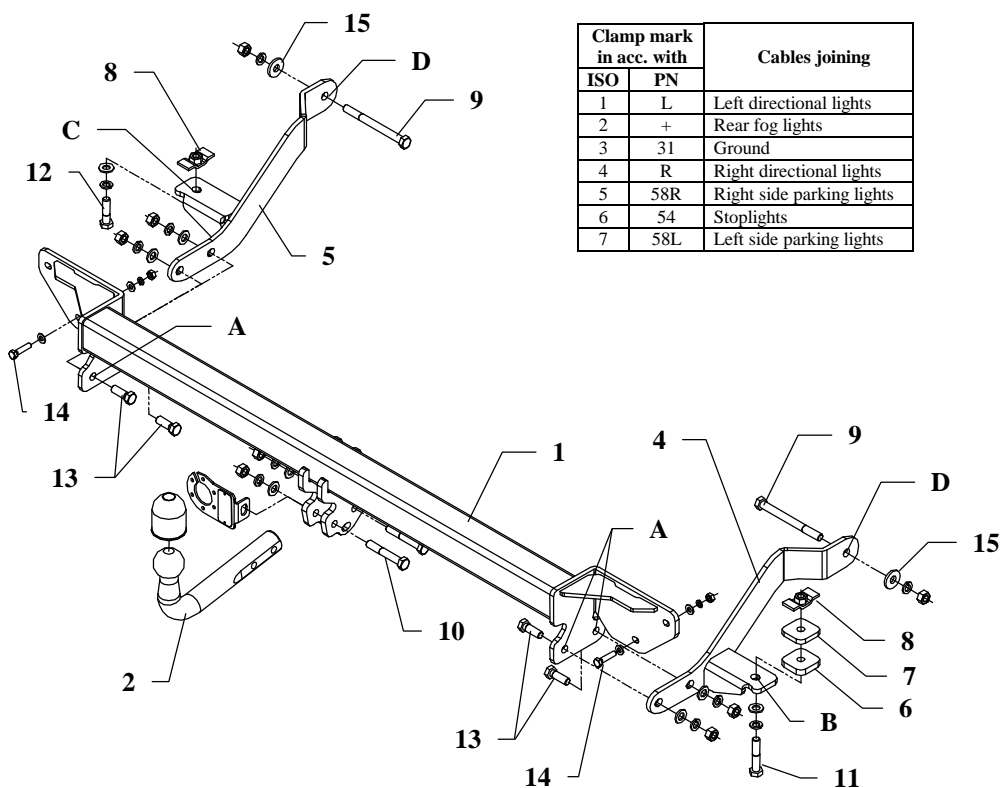


FITTING INSTRUCTION



| Clamp mark in acc. with | | Cables joining |
|-------------------------|-----|---------------------------|
| ISO | PN | |
| 1 | L | Left directional lights |
| 2 | + | Rear fog lights |
| 3 | 31 | Ground |
| 4 | R | Right directional lights |
| 5 | 58R | Right side parking lights |
| 6 | 54 | Stoplights |
| 7 | 58L | Left side parking lights |

This towbar is designed to assembly in following cars:
**FIAT DUCATO (L1, L2, L3), PEUGEOT BOXER (L1, L2, L3),
 CITROEN JUMPER (L1, L2, L3), metal built-up**, produced since 2006,
 catalogue no. **R39** and is prepared to tow trailers max total weight **2500 kg**
 and max vertical load **120 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. Disassemble a bumper and metal reinforcement (reinforcement will not be reinstall).
2. Instead of metal reinforcement fix main bar of the towbar (pos. 1) using six bolts M8 (four take from reinforcement and two bolts M8x35mm pos. 14 from towbars accessories).
3. Underneath the car find plastic square plugs in the frame. Remove them. In holes put fish-plates with nuts (pos. 8). One per each side of the chassis, see figure.
4. Fix side brackets (pos. 4 and 5) as follows:
 - through holes A by bolts M12x35mm (pos. 13)
 - through hole B by bolt M12x60mm (pos. 11) – use square washers (pos. 6 and 7)
 - through hole C by bolt M12x40mm (pos. 12)
 - through holes D by bolts M12x130mm (pos. 9)
5. Reassemble a bumper.
6. Fix tow-ball (pos. 2) with socket plate (pos. 3) using bolts M12x75mm (pos. 10) from accessories.
7. Tighten all bolts according to the torque shown in the table.
8. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
9. Complete paint layer damaged during installation.

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

| | | |
|--------------------|---------------------|---------------------|
| M6 - 11 Nm | M8 - 25 Nm | M10 - 50 Nm |
| M12 - 87 Nm | M14 - 138 Nm | M16 - 210 Nm |

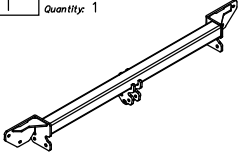



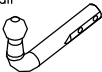







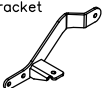
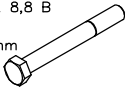


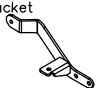
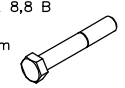


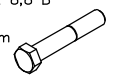

NOTE

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.

Towbar accessories:

| | | | |
|---|---|---|---|
| Pos. 1 Name: Main bar Quantity: 1  | Pos. 6 Name: Square washer Quantity: 1 Dim.: 48x48x10mm  | Pos. 12 Name: Bolt 8,8 B Quantity: 1 Dim.: M12x40mm  | Pos. 18 Name: Spring washer Quantity: 10 Dim.: Ø 12,2 mm  |
| Pos. 2 Name: Tow ball Quantity: 1  | Pos. 7 Name: Square washer Quantity: 1 Dim.: 48x48x8mm  | Pos. 13 Name: Bolt 8,8 B Quantity: 4 Dim.: M12x35mm  | Pos. 19 Name: Spring washer Quantity: 2 Dim.: Ø 8,2 mm  |
| Pos. 3 Name: Socket plate Quantity: 1  | Pos. 8 Name: Fish-plate with nut Quantity: 2  | Pos. 14 Name: Bolt 8,8 B Quantity: 2 Dim.: M8x35mm  | Pos. 20 Name: Nut 8 B Quantity: 8 Dim.: M12  |
| Pos. 4 Name: Right bracket Quantity: 1  | Pos. 9 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x130mm  | Pos. 15 Name: Washer Quantity: 2 Dim.: Ø32xØ13x4mm  | Pos. 21 Name: Nut 8 B Quantity: 2 Dim.: M8  |
| Pos. 5 Name: Left bracket Quantity: 1  | Pos. 10 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm  | Pos. 16 Name: Plain washer Quantity: 8 Dim.: Ø 13 mm  | Pos. 22 Name: Ball cover Quantity: 1  |
| | Pos. 11 Name: Bolt 8,8 B Quantity: 1 Dim.: M12x60mm  | Pos. 17 Name: Plain washer Quantity: 4 Dim.: Ø 8,5 mm  | |



PPUH AUTO-HAK S.J.

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E-mail: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **R39**
FIAT DUCATO (L1, L2, L3),
PEUGEOT BOXER (L1, L2, L3),
CITROEN JUMPER (L1, L2, L3)

Type: **metal built-up**
produced since 2006

Technical data:
D-value: 14,3 kN
maximum trailer weight: **2500 kg**
maximum vertical cup load: **120 kg**

Approval number according to Directive 94/20/EC: **e20*94/20*0192*00**

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be installed 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:

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