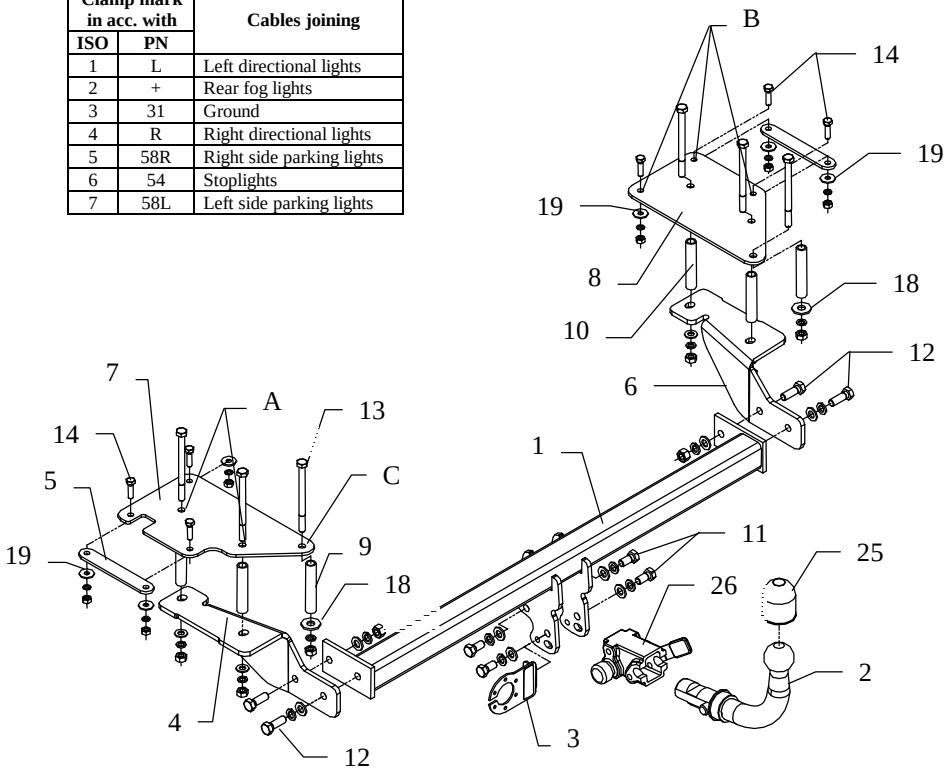
# FITTING INSTRUCTION

| 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 car:
**FIAT MULTIPLA,** produced since 1998 till 12.2004, catalogue no. **R26A** and is prepared to tow trailers max total weight up to **1300 kg** and max vertical load **70 kg**.

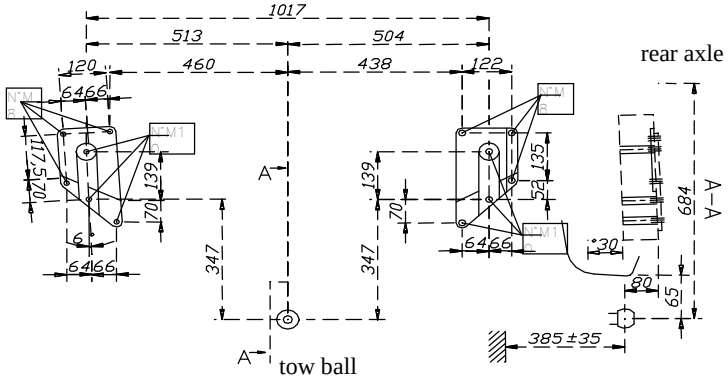
### *From manufacturer*

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towbar depends also on correct assembly and correct exploitation. 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. Remove fitted carpet and anti-noise mat from the trunk.
2. Take out a spare wheel. Get lower the muffler, take him out from last handle. Disassemble a rear bumper.
3. Inside trunk find four original marked points (two per each side). Drill it using bit ø10,5mm.

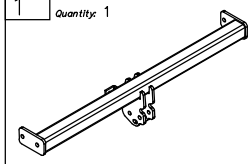
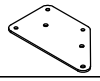
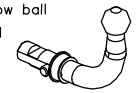
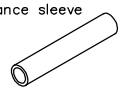
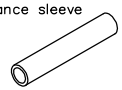
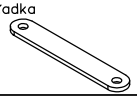
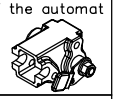
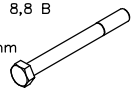



4. On drilled holes put fish-plates (pos. 7 and 8). Holes pos. A on drilled holes.
5. Mark rest holes of the fish-plates and drill it:
   - holes B using bit ø9mm
   - holes C using bit ø10,5mm
6. Holes A and C drill again using bit ø17,5mm <u>only from inside of trunk</u>. To this holes put distance sleeves as shown on figure 2.
7. On in this way prepared places put elements 7 and 8, by holes A and C put bolts M10x130mm (pos. 13).
8. Underneath the car, on protruding bolts put elements 4 and 6 and fix it loosely.
9. Between elements 4 and 6 put main bar of the towbar (pos. 1) and fix it using bolts M12x35mm (pos. 12).
10. By holes B in elements 7 and 8 put bolts M8x30mm (pos. 14) and fix with plate (pos. 5), use washers pos. 19.
11. Fix body of the automat (pos. 28) and the socket plate (pos. 3) using bolts M12x25mm (pos. 11) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
12. Tighten all bolts according to the torque shown in the table.
13. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station)
14. Complete paint layer damaged during installation.

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

| | | | |
|---|---|---|---|
| **M 8** | 25 Nm | **M 10** | 55 Nm |
| **M 12** | 85 Nm | **M 14** | 135 Nm |

Towbar accessories:

| | | | |
|---|---|---|---|
| Pos. 1 Name: Main bar Quantity: 1  | Pos. 7 Name: Nakładka wspornika Quantity: 1  | Pos. 14 Name: Bolt 8,8 B Quantity: 6 Dim. : M8x30  | Pos. 21 Name: Plain washer Quantity: 6 Dim. : ø 10,5 mm  |
| | Pos. 8 Name: Nakładka wspornika Quantity: 1  | Pos. 15 Name: Nut 8 B Quantity: 2 Dim. : M12  | Pos. 22 Name: Spring washer Quantity: 8 Dim. : ø 12,2 mm  |
| Pos. 2 Name: Tow ball Quantity: 1  | Pos. 9 Name: Distance sleeve Quantity: 2  | Pos. 16 Name: Nut 8 B Quantity: 6 Dim. : M10  | Pos. 23 Name: Spring washer Quantity: 6 Dim. : ø 10,2 mm  |
| Pos. 3 Name: Socket plate Quantity: 1  | Pos. 10 Name: Distance sleeve Quantity: 4  | Pos. 17 Name: Nut 8 B Quantity: 6 Dim. : M8  | Pos. 24 Name: Spring washer Quantity: 6 Dim. : ø 8,2 mm  |
| Pos. 4 Name: Wspornik lewy Quantity: 1  | Pos. 11 Name: Bolt 8,8 B Quantity: 4 Dim. : M12x25mm  | Pos. 18 Name: Washer Quantity: 2 Dim. : ø37xø13x3mm  | Pos. 25 Name: Ball cover Quantity: 1  |
| Pos. 5 Name: Nakładka Quantity: 2  | Pos. 12 Name: Bolt 8,8 B Quantity: 4 Dim. : M12x35mm  | Pos. 19 Name: Washer Quantity: 6 Dim. : ø24xø8,4x2mm  | Pos. 26 Name: Body of the automat Quantity: 1  |
| Pos. 6 Name: Wspornik prawy Quantity: 1  | Pos. 13 Name: Bolt 8,8 B Quantity: 6 Dim. : M10x130mm  | Pos. 20 Name: Plain washer Quantity: 8 Dim. : ø 13 mm  | Pos. 27 Name: Body plug Quantity: 1  |

## 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 check all screws. The ball of towbar must be always kept clear and conserve with a grease.


**PPUH AUTO-HAK S.J.**

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www. autohak.com.pl


# Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **R26A**
Designed for:
Manufacturer: **FIAT**
Model: **MULTIPLA**
produced since 1998 till 12.2004

Technical data:
**D**-value: **7,8 kg**
maximum trailer weight: **1300 kg**
maximum vertical cup load: **70 kg**

**Approval number according to Directive 94/20/EC: e20*94/20*0504*00**

## *Foreword*

This towbar is design according to rules of safety traffic regulations. The towing hitch is a safety component and must be installed only by qualified personnel. Any alteration or conversion to 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, and values for the towing hitch cannot be exceeded.
D-value formula:

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