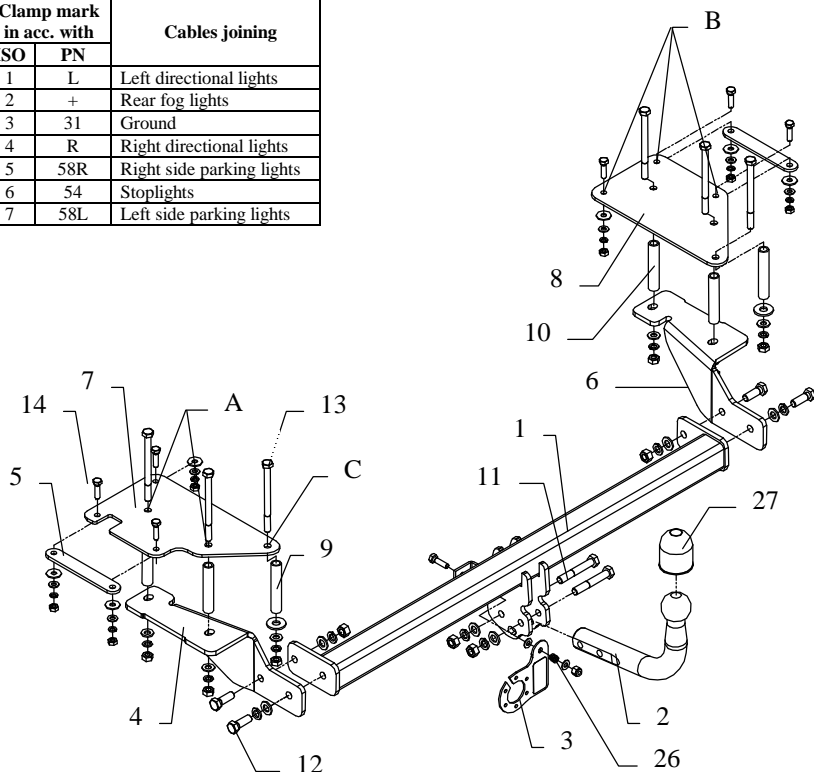


## FITTING INSTRUCTION

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**, catalogue no. **R36** produced since 2005 and is prepared to tow trailers max total weight **1300 kg** and max vertical load **70 kg**.

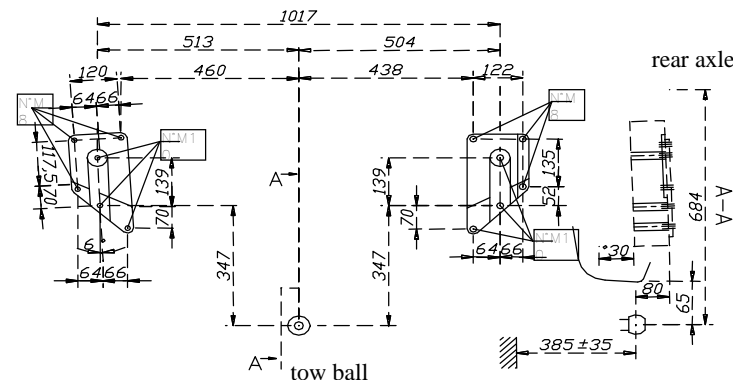
### *From manufacturer*

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 boot
2. Take out a spare wheel. Get lower the muffler, take him out from last handle. Disassemble a rear bumper.
3. Inside boot find four original marked points (two per each side). Drill it using bit  $\varnothing 10,5\text{mm}$ .



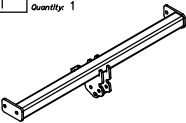
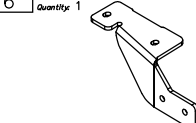
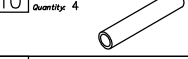
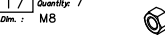
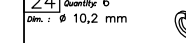

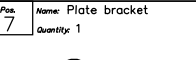

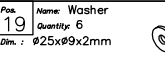
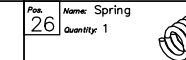
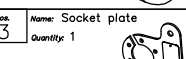
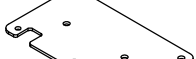
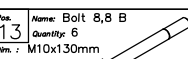
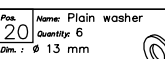
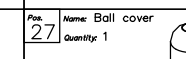
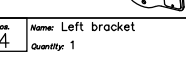
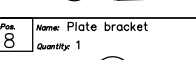
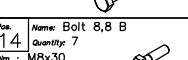
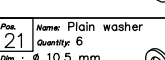



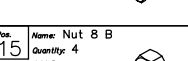
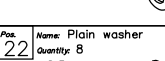
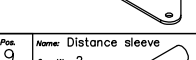
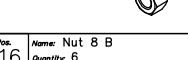
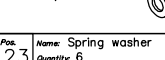
4. On drilled holes put fish-plates (pos. 7 and 8). Holes pos. A on drilled holes.
5. Mark rest holes of the fish-plates and drill it:
  - holes B using bit  $\varnothing 9\text{mm}$
  - holes C using bit  $\varnothing 10,5\text{mm}$
6. Holes A and C drill again using bit  $\varnothing 17,5\text{mm}$  only from inside of boot. To this holes put distance sleeves as shown in 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 element 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. Screw tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12 x 75 mm (pos. 11) from accessories.
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 12** 85 Nm

**M 10** 55 Nm  
**M 14** 135 Nm

## Towbar accessories:

Pos. 1 Name: Main bar Quantity: 1 	Pos. 6 Name: Right bracket Quantity: 1 	Pos. 10 Name: Distance sleeve Quantity: 4 	Pos. 17 Name: Nut 8 B Quantity: 7 Dim.: M8 	Pos. 24 Name: Spring washer Quantity: 6 Dim.: Ø 10,2 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Plate bracket Quantity: 1 	Pos. 11 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm 	Pos. 18 Name: Washer Quantity: 2 Dim.: Ø32xØ12x3mm 	Pos. 25 Name: Spring washer Quantity: 6 Dim.: Ø 8,2 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Plate bracket Quantity: 1 	Pos. 12 Name: Bolt 8,8 B Quantity: 4 Dim.: M12x35mm 	Pos. 19 Name: Washer Quantity: 6 Dim.: Ø25xØ9x2mm 	Pos. 26 Name: Spring Quantity: 1 
Pos. 4 Name: Left bracket Quantity: 1 	Pos. 9 Name: Distance sleeve Quantity: 2 	Pos. 13 Name: Bolt 8,8 B Quantity: 6 Dim.: M10x130mm 	Pos. 20 Name: Plain washer Quantity: 6 Dim.: Ø 13 mm 	Pos. 27 Name: Ball cover Quantity: 1 
Pos. 5 Name: Plate Quantity: 2 	Pos. 14 Name: Bolt 8,8 B Quantity: 7 Dim.: M8x30 	Pos. 15 Name: Nut 8 B Quantity: 4 Dim.: M12 	Pos. 21 Name: Plain washer Quantity: 6 Dim.: Ø 10,5 mm 	
	Pos. 16 Name: Nut 8 B Quantity: 6 Dim.: M10 	Pos. 22 Name: Plain washer Quantity: 8 Dim.: Ø 8,5 mm 	Pos. 23 Name: Spring washer Quantity: 6 Dim.: Ø 12,2 mm 	

## 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 bolts and nuts. The ball of towbar must be always kept clear and conserve with a grease.



**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. **R36**

Designed for:

Manufacturer: **FIAT**

Model: **MULTIPLA**

produced since 2005

Approval number acc. to regulations EKG/ONZ 55.01: **E20-55R-01 1767**

Technical data:

**D-value: 7,8 kN**

maximum trailer weight: **1300 kg**

maximum vertical cup load: **70 kg**

## 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, and values for the towing hitch cannot be exceeded.

*D-value formula:*

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