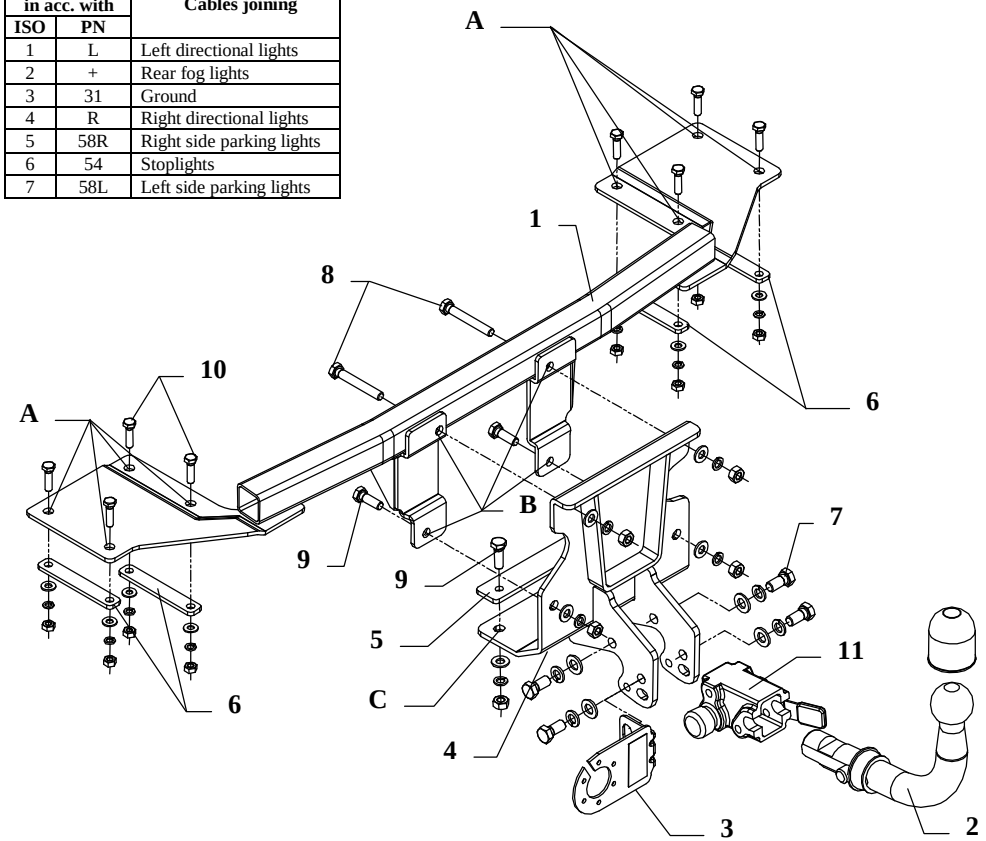
FITTING INSTRUCTION

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 ALBEA, 4 doors,** produced since 2002, catalogue no. **R32A** and is prepared to tow trailers max total weight **1300 kg** and max vertical mass **50 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.

Fitting instructions

1. Take the spare wheel out the car.
2. Disassemble the bumper.
3. Put horizontally the main bar of the towbar (pos. 1) to the trunk (it should be position close to the rear panel).
4. Drill ø9mm through the holes (pos. A), then fix it together with the fish-plates (pos. 6) positioned at the bottom of the car using bolts M8x30mm (pos. 10).
5. Drill ø11mm through the holes (pos. B), then position ball bracket (pos. 4) to the rear panel and fix it using bolts M10x70mm – pos. 8 (top) and M10x30mm – pos. 9 (bottom).
6. Drill ø11mm through the towbar holes (pos. C) at the bottom of the car and then fix it together with the fish-plate (pos. 5) – this fish-plate should be position in the trunk.
7. Cut the bumper (dimension 80x60mm).
8. Reassemble the bumper.
9. Tighten all nuts and bolts according to the torque shown in the table.
10. Fix body of the automat (pos. 11) and the socket plate (pos. 3) using bolts M12x25mm (pos. 7) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
11. Connect to the electric wires according to the instructions of the car.
12. Complete the paint cover of towbar (during the mounting paint cover could be destroyed).

Torque settings for nuts and bolts (8,8):	
M 8 - 25 Nm	**M 10 -** 55 Nm
M 12 - 85 Nm	**M 14 -** 135 Nm

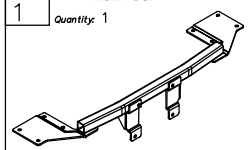
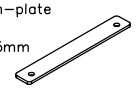
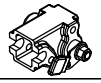
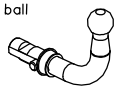
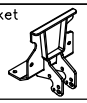
NOTE

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. 5 Name: Fish–plate Quantity: 1 Dim. : 240x35x5mm 	Pos. 10 Name: Bolt 8,8 B Quantity: 8 Dim. : M8x30mm 	Pos. 16 Name: Plain washer Quantity: 8 Dim. : ø 8,5 mm 
	Pos. 6 Name: Fish–plate of the bracket Quantity: 4 Dim. : 120x20x5mm 	Pos. 11 Name: Body of the automat Quantity: 1 	Pos. 17 Name: Spring washer Quantity: 4 Dim. : ø 12,2 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 4 Dim. : M12x25mm 	Pos. 12 Name: Nut 8 B Quantity: 6 Dim. : M10 	Pos. 18 Name: Spring washer Quantity: 6 Dim. : ø 10,2 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 2 Dim. : M10x70mm 	Pos. 13 Name: Nut 8 B Quantity: 8 Dim. : M8 	Pos. 19 Name: Spring washer Quantity: 8 Dim. : ø 8,2 mm 
Pos. 4 Name: Ball bracket Quantity: 1 	Pos. 9 Name: Bolt 8,8 B Quantity: 4 Dim. : M10x30mm 	Pos. 14 Name: Plain washer Quantity: 4 Dim. : ø 13 mm 	Pos. 20 Name: Ball cover Quantity: 1 
		Pos. 15 Name: Plain washer Quantity: 6 Dim. : ø 10,5 mm 	Pos. 21 Name: Body plug Quantity: 1 

PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **R32A**
Designed for:
Manufacturer: **FIAT**
Model: **ALBEA**
Type: **4 doors**
produced since 2002

Technical data:
D-value: **6,88 kN**
maximum trailer weight: **1300 kg**
maximum vertical cup mass: **50 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0812*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:

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