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
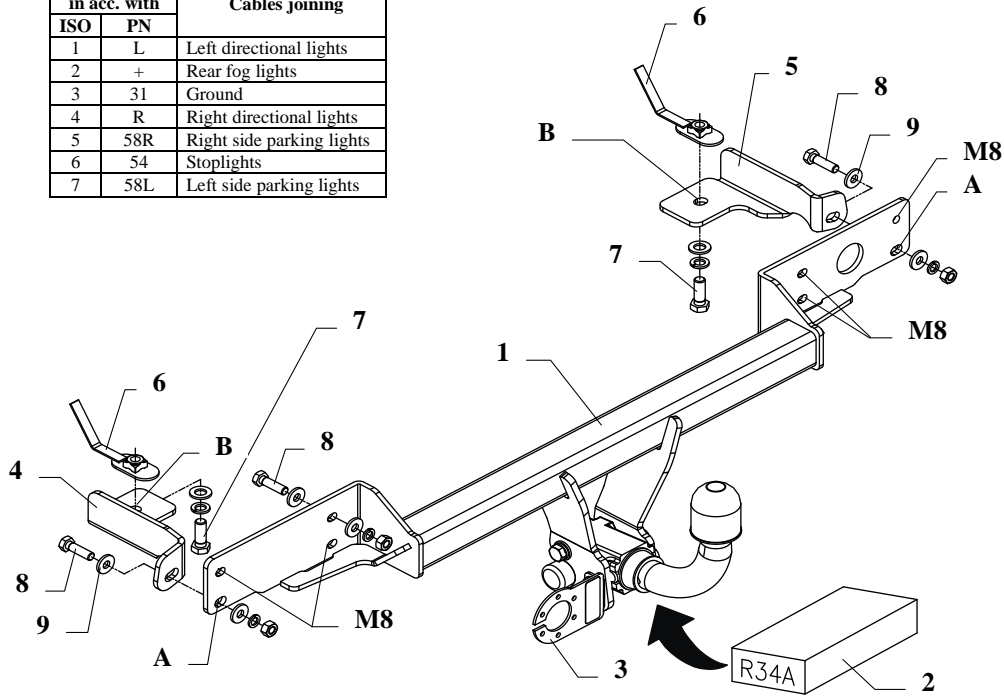
This towbar is designed to assembly in following cars: **FIAT PANDA II 2WD (5D)** produced since 2003 till 2011, catalogue number **R34A** and is prepared to tow trailers max total weight up to **1300 kg** and max vertical mass **75 kg**.

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 the bumper.
2. Get lower the muffler from rear handle.
3. Unrivet thermal shield.
4. Unscrew metal reinforcement of the bumper.
5. In this place put bar of the towbar (pos. 1) and together with reinforcement fix with nuts M8.
6. Elements (pos. 4 and 5) put to the chassis in that way that holes pos. A and B agree with holes in rear part and with square holes in chassis members.
   -holes (pos. A) fix to bar (pos. 1) using bolts M10x35mm (pos. 8),
   -holes (pos. B) fox to chassis member with bolts M12x35mm (pos. 7) and with nuts at the jib (pos. 6), this nuts at the jib put early through the trunk, after disclose plugged holes.
7. Rivet to thermal cover using rivets ø4x12 mm (4 pcs.) – pos. 14.
8. Assemble the muffler.
9. Assemble the bumper.
10. Fix body of the automat and place tow-ball according to supplied instruction. Note! Remember to place socket plate (pos. 3) as shown on the drawing.
11. Tighten all bolts according to the torque shown in the table.
12. Connect electric wires according to the instruction of the car. (Recommend to make at authorized service station).
13. 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
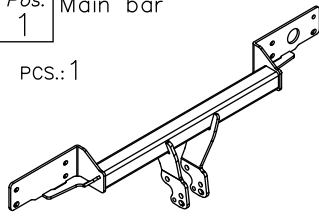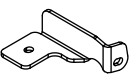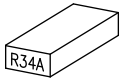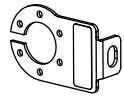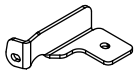
NOTE

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.			Pos.			Pos.		
1	Main bar PCS.: 1		5	Right bracket PCS.: 1		10	Plain washer ø13mm PCS.: 2	
			6	Nut on the jib PCS.: 2		11	Spring washer ø12,2mm PCS.: 2	
2	Tow ball PCS.: 1 R34A		7	Bolt 8,8 B M12x35mm PCS.: 2		12	Spring washer ø10,2mm PCS.: 3	
3	Socket plate PCS.: 1		8	Bolt 8,8 B M10x35mm PCS.: 3		13	Nut 8 B M10 PCS.: 3	
4	Left bracket PCS.: 1		9	Plain washer ø30xø10,5x2,5mm PCS.: 6		14	Rivet ø4x12mm PCS.: 4	

Towing hitch (without electrical set)

Class: **A50-X**   Cat. no. **R34A**

Designed for:
Manufacturer: **FIAT**
Model: **PANDA II**
Type: **2WD (5D)**
produced since 2003 till 2011

Technical data:
D-value: **6,9 kN**
maximum trailer weight: **1300 kg**
maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0885*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, and values for the towing hitch cannot be exceeded.

D-value formula:

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