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

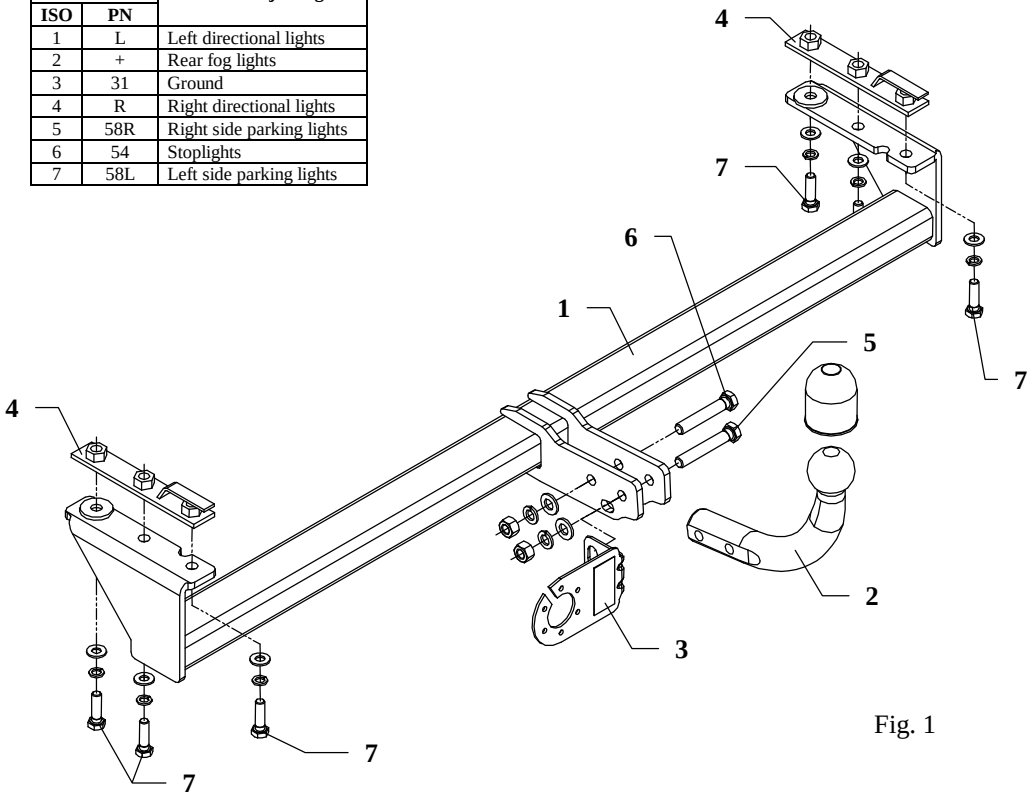


Fig. 1

This towbar is designed to assembly in following cars: **KIA PRIDE ESTATE,** produced since 1998 till 2000, catalogue no. **T01** and is prepared to tow trailers max total weight **850 kg** and max vertical load **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.

The instruction of the assembly

1. Disassemble the bumper with the metal-canopy.
2. In the back piece drill holes (pos. A) ø35mm, as one showed on the fig. 2.

Fig. 2
Back piece (seen after take off the bumper)

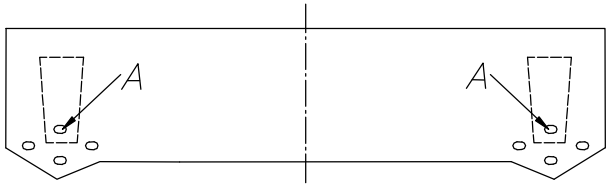
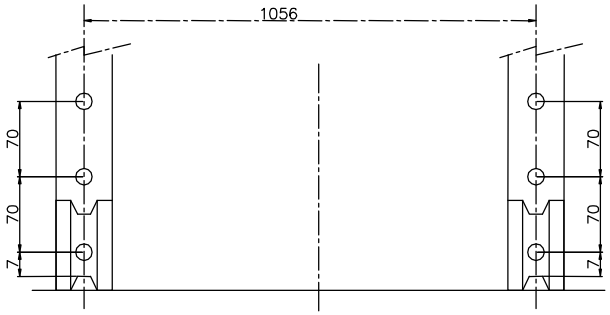


Fig. 3
Chassis frame from the bottom



3. Underneath the car mark holes according to the fig. 3, and then drill for three holes ø12mm.
4. Slip nut on jibs (pos. 4) to inside of the chassis members (through previously made holes ø35mm) in that way so thier holes overlap on previously drill holes ø12mm.
5. Apply the main bar of the towbar (pos. 1) to so prepared places then fix using bolts M10x35mm (pos. 7).
6. Install the bumper.
7. Fix tow-ball (pos. 2) with socket plate (pos. 3) using suitable bolts from the towbar accessories, see fig. 1.
8. Tighten all bolts according to the torque shown in the table.
9. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
10. 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

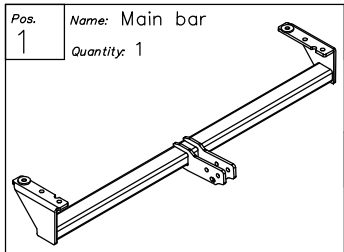
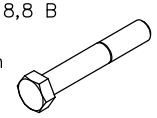
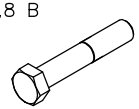
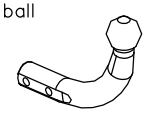
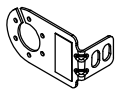
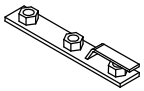
NOTE

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.

Towbar accessories:

Pos. 1 — Name: Main bar — Quantity: 1 	Pos. 5 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x75mm 	Pos. 10 — Name: Plain washer — Quantity: 6 — Dim. : ø 10,5 mm 
	Pos. 6 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x70mm 	Pos. 11 — Name: Spring washer — Quantity: 2 — Dim. : ø 12,2 mm 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 7 — Name: Bolt 8,8 B — Quantity: 6 — Dim. : M10x35mm 	Pos. 12 — Name: Spring washer — Quantity: 6 — Dim. : ø 10,2 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 8 — Name: Nut 8 B — Quantity: 2 — Dim. : M12 	Pos. 13 — Name: Ball cover — Quantity: 1 
Pos. 4 — Name: Jib with nuts — Quantity: 2 	Pos. 9 — Name: Plain washer — Quantity: 2 — Dim. : ø 13 mm 	

PPUH AUTO-HAK S.J.

Produkcja Zaczepów Kulowych
Henryk & Zbigniew Nejman
76-200 SŁUPSK ul. Słoneczna 16K
tel/fax (059) 8-414-414; 8-414-413
E-mail: office@autohak.com.pl
www. autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **T01**
Designed for:
Manufacturer: **KIA**
Model: **PRIDE**
Type: **ESTATE**
produced since 1998 till 2000

Technical data:
D-value: **5,04 kN**
maximum trailer weight: **850 kg**
maximum vertical cup load: **50 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0609*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:

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