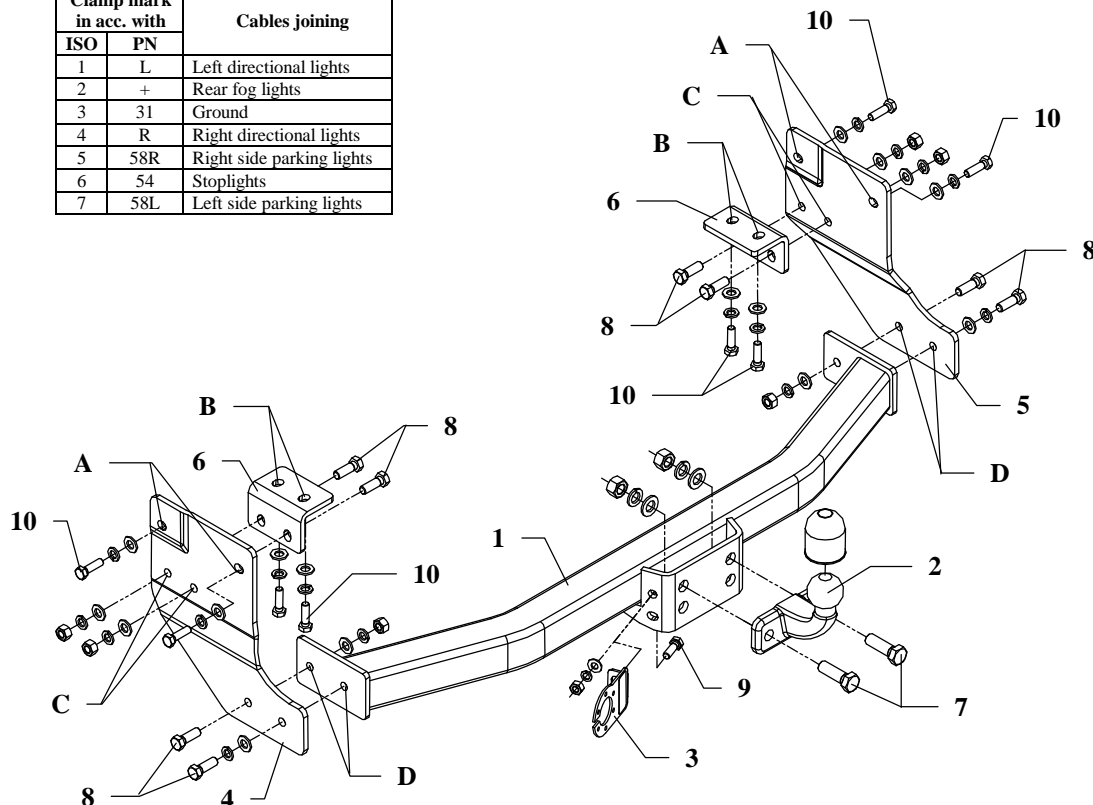


## FITTING INSTRUCTION

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	Stoptights
7	58L	Left side parking lights



This towing hitch is designed to assembly in following car: **HYUNDAI H100, metal built-up**, produced since 1993 till 02.1996 and since 03.1996, catalogue number **J03** and is prepared to tow trailers max total weight **1200 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 towing hitch depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

*The towing hitch should be install in points described by a car producer.*

## The instruction of the assembly

1. Apply side brackets of the towing hitch (pos. 4 and 5) from outside to frame of the car and then through holes A of the towing hitch and existing threaded holes in the frame of the car fix using bolts M12x1,25x35mm (pos. 10) from the towing hitch accessories.
2. Apply angle brackets (pos. 6) from left and right side and through holes B fix using bolts M12x1,25x35mm (pos. 10), and through holes C fix using bolts M12x35mm (pos. 8).
3. Between mounted brackets apply the main bar of the towing hitch (pos. 1) and then through holes D fix using bolts M12x35mm (pos. 8) from accessories.
4. Fix tow-ball (pos. 2) using bolts M16x50mm (pos. 7) from accessories.
5. Fix socket plate (pos. 3) using bolt M10x30mm (pos. 9).
6. Tighten all bolts according to the torque shown in the table.
7. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
8. Complete paint layer damaged during installation.

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

<b>M6</b> - 11 Nm	<b>M8</b> - 25 Nm	<b>M10</b> - 50 Nm
<b>M12</b> - 87 Nm	<b>M14</b> - 138 Nm	<b>M16</b> - 210 Nm

### NOTE

After install the towing hitch 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 towing hitch must be always kept clear and conserve with a grease.

## Towing hitch accessories:

Pos. 1 Main bar PCS.: 1	Pos. 5 Right bracket PCS.: 1	Pos. 10 Bolt 8,8 B M12x1.25x35mm PCS.: 8	Pos. 15 Plain washer ø12mm PCS.: 16
Pos. 2 Tow ball PCS.: 1	Pos. 6 Angle bracket PCS.: 2	Pos. 11 Nut 8 B M16 PCS.: 2	Pos. 16 Plain washer ø10mm PCS.: 1
Pos. 3 Socket plate PCS.: 1	Pos. 7 Bolt 8,8 B M16x50mm PCS.: 2	Pos. 12 Nut 8 B M12 PCS.: 6	Pos. 17 Spring washer ø16,3mm PCS.: 2
Pos. 4 Left bracket PCS.: 1	Pos. 8 Bolt 8,8 B M12x35mm PCS.: 8	Pos. 13 Nut 8 B M10 PCS.: 1	Pos. 18 Spring washer ø12,2mm PCS.: 16
	Pos. 9 Bolt 8,8 B M10x30mm PCS.: 1	Pos. 14 Plain washer ø17mm PCS.: 2	Pos. 19 Spring washer ø10,2mm PCS.: 1
		Pos. 20 Ball cover PCS.: 1	



## 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](mailto:office@autohak.com.pl)  
[www.autohak.com.pl](http://www.autohak.com.pl)

## Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **J03**

Designed for:

Manufacturer: **HYUNDAI**

Model: **H100**

Type: **metal built-up**

produced since 1993 till 02.1996 and since 03.1996

Technical data:

**D-value: 8,12 kN**

maximum trailer weight: **1200 kg**

maximum vertical cup mass: **75 kg**

**Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 0984**

## Foreword

This towing hitch 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 mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

*D-value formula:*

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