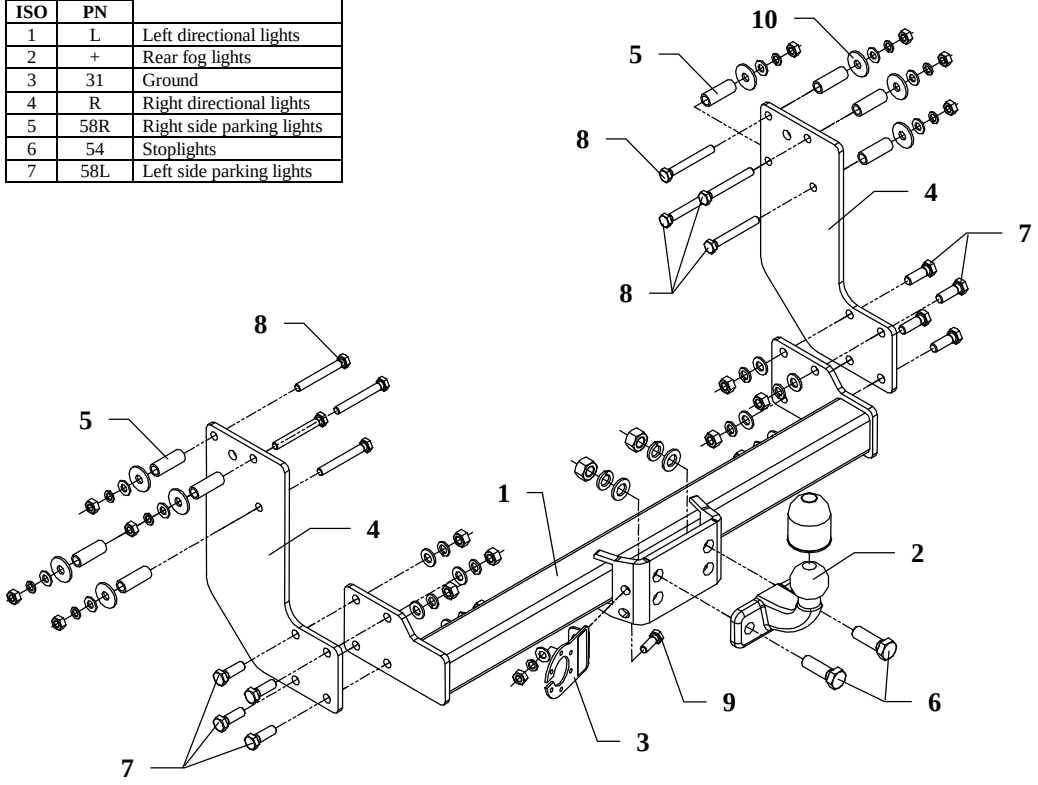
FITTING INSTRUCTION

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 towing hitch is designed to assembly in following cars: **LUBLIN III 2,9t, metal built-up,** produced since 1999, catalogue no. **S15** and is prepared to tow trailers max total weight **2000 kg** and max vertical mass **75 kg**.

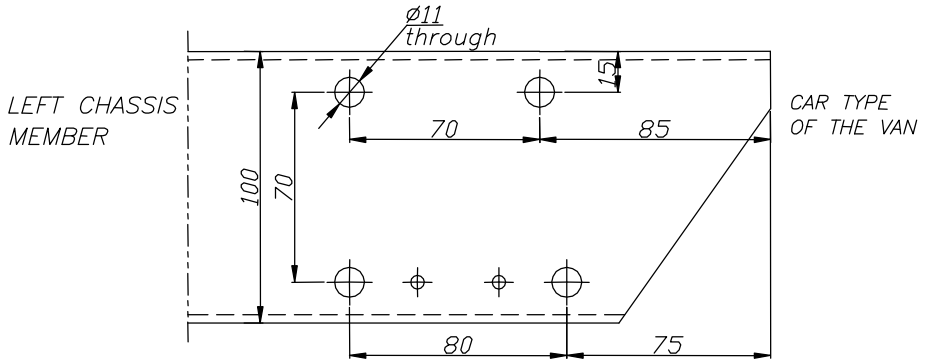
From manufacturer

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. For the purpose of installings of the towing hitch one ought to drill for four holes ø11mm in chassis of the frame (see the drawing below), and then bore them from the outward on ø17mm.



2. Put distance sleeves L=46mm (pos. 5) from the towing hitch accessories into made holes.
3. Fix side-brackets (pos. 4) to so prepared places using bolts M10x80mm (pos. 8).
4. Between mounted side brackets put the main bar of the towing hitch (pos. 1) and next through towing hitch holes fix it using bolts M12x35mm (pos. 7) from towing hitch accessories.
5. Fix tow-ball (pos. 2) using bolts M16x50mm (pos. 6) from accessories.
6. Fix socket plate (pos. 3) using bolt M10x30mm (pos. 9).
7. Tighten all bolts according to the torque shown in the table.
8. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
9. 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

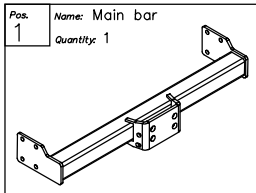
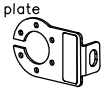
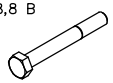
NOTE

After install the 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 Name: Main bar Quantity: 1 	Pos. 5 Name: Distance sleeve Quantity: 8 Dim. : ø17.2x2.35mm L=46mm 	Pos. 10 Name: Washer Quantity: 8 Dim. : ø35xø12x3mm 	Pos. 15 Name: Plain washer Quantity: 8 Dim. : ø 13 mm 
	Pos. 6 Name: Bolt 8,8 B Quantity: 2 Dim. : M16x50mm 	Pos. 11 Name: Nut 8 B Quantity: 2 Dim. : M16 	Pos. 16 Name: Plain washer Quantity: 9 Dim. : ø 10,5 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 8 Dim. : M12x35mm 	Pos. 12 Name: Nut 8 B Quantity: 8 Dim. : M12 	Pos. 17 Name: Spring washer Quantity: 2 Dim. : ø 16,3 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 8 Dim. : M10x80mm 	Pos. 13 Name: Nut 8 B Quantity: 9 Dim. : M10 	Pos. 18 Name: Spring washer Quantity: 8 Dim. : ø 12,2 mm 
Pos. 4 Name: Side bracket Quantity: 2 	Pos. 9 Name: Bolt 8,8 B Quantity: 1 Dim. : M10x30mm 	Pos. 14 Name: Plain washer Quantity: 2 Dim. : ø 17 mm 	Pos. 19 Name: Spring washer Quantity: 9 Dim. : ø 10,2 mm 
			Pos. 20 Name: Ball cover Quantity: 1 

PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **S15**
Designed for:
Manufacturer: **DAEWOO**
Model: **LUBLIN III 2,9t**
Type: **metal built-up**
produced since 1999

Technical data:
D-value: **11,9 kN**
maximum trailer weight: **2000 kg**
maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0600*00

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 load and max. vertical cup load are decisive for driving whereat values for the towing hitch cannot be exceeded.
D-value formula:

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