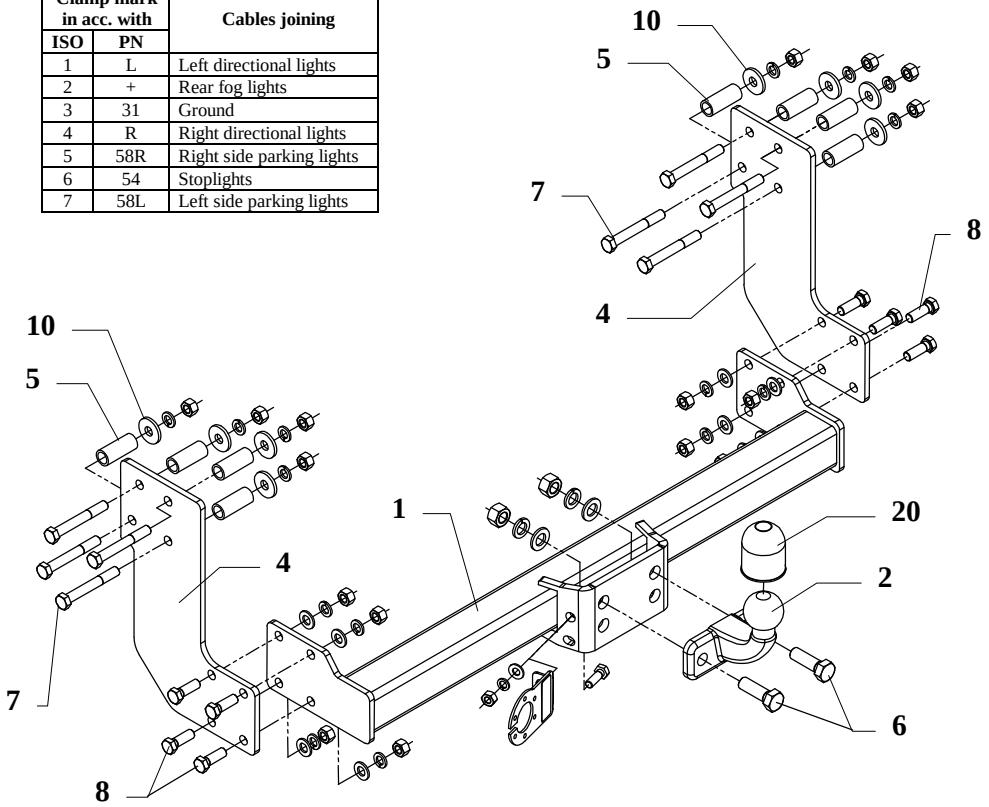
FITTING INSTRUCTION

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

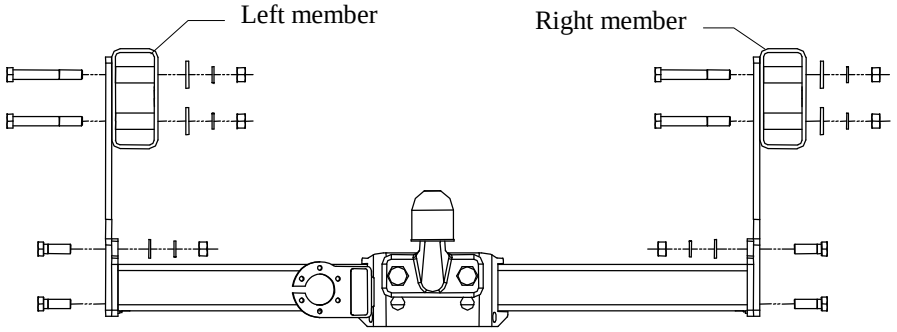


This towbar is designed to assembly in following cars:
DAEWOO LUBLIN III 3,5t , **metal built-up**, produced since 1999, catalogue no. **S16** and is prepared to tow trailers max total weight up to **2000 kg** and max vertical load **75 kg.**

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. Put in distance sleeves (pos. 5) length L=51mm, from towbar equipment to chassis members, in original prepared holes.
2. Through prepared holes fix side brackets (pos. 4) using bolts M12x90mm (pos. 7) as shown on fig.. 2.
3. Between mounted side brackets put main bar of the towbar (pos. 1) and next through towbar holes fix it using bolts M12x35mm (pos. 8) from towbar equipment.
4. To mounted bar fix tow-ball (pos. 2) using bolts M16x50mm (pos. 6).
5. Fix socket plate using bolt M10x30mm (pos. 9) as shown on the drawing.
6. Tighten all bolts according to the torque shown in the table.
7. Connect electric wires of 7-pole 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):

M6 - 11 Nm	**M8** - 25 Nm	**M10** - 50 Nm
M12 - 87 Nm	**M14** - 138 Nm	**M16** - 210 Nm

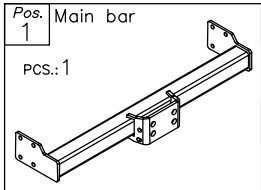
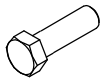
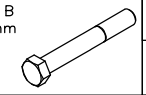
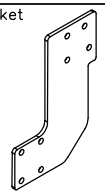
NOTE

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

Check all bolts and nuts after **1000km** of exploitation. The ball of towbar must be always kept clear and conserve with a grease.

Towbar equipment:

Pos. 1 Main bar PCS.: 1 	Pos. 5 Distance sleeve ø21,3x2,65mm L=51mm PCS: 8 	Pos. 11 Plain washer ø17mm PCS.: 2 	Pos. 17 Nut 8 B M16 PCS.: 2 
	Pos. 6 Bolt 8,8 B M16x50mm PCS.: 2 	Pos. 12 Plain washer ø13mm PCS.: 8 	Pos. 18 Nut 8 B M12 PCS.: 16 
Pos. 2 Tow ball PCS.: 1 	Pos. 7 Bolt 8,8 B M12x90mm PCS.: 8 	Pos. 13 Plain washer ø10,5mm PCS.: 1 	Pos. 19 Nut 8 B M10 PCS.: 1 
Pos. 3 Socket plate PCS.: 1 	Pos. 8 Bolt 8,8 B M12x35mm PCS.: 8 	Pos. 14 Spring washer ø16,3mm PCS.: 2 	Pos. 20 Ball cover PCS.: 1 
Poz. 4 Side bracket SZTUK: 2 	Pos. 9 Bolt 8,8 B M10x30mm PCS.: 1 	Pos. 15 Spring washer ø12,2mm PCS.: 16 	
	Pos. 10 Plain washer ø37xø13x3mm PCS.: 8 	Pos. 16 Spring washer ø10,2mm PCS.: 1 	

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **S16**
Designed for:
Manufacturer: **DAEWOO**
Model: **LUBLIN III 3,5t**
Type: **metal built-up**
produced since 1999

Technical data:
D-value: **12,5 kN**
maximum trailer weight: **2000 kg**
maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1769

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:

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