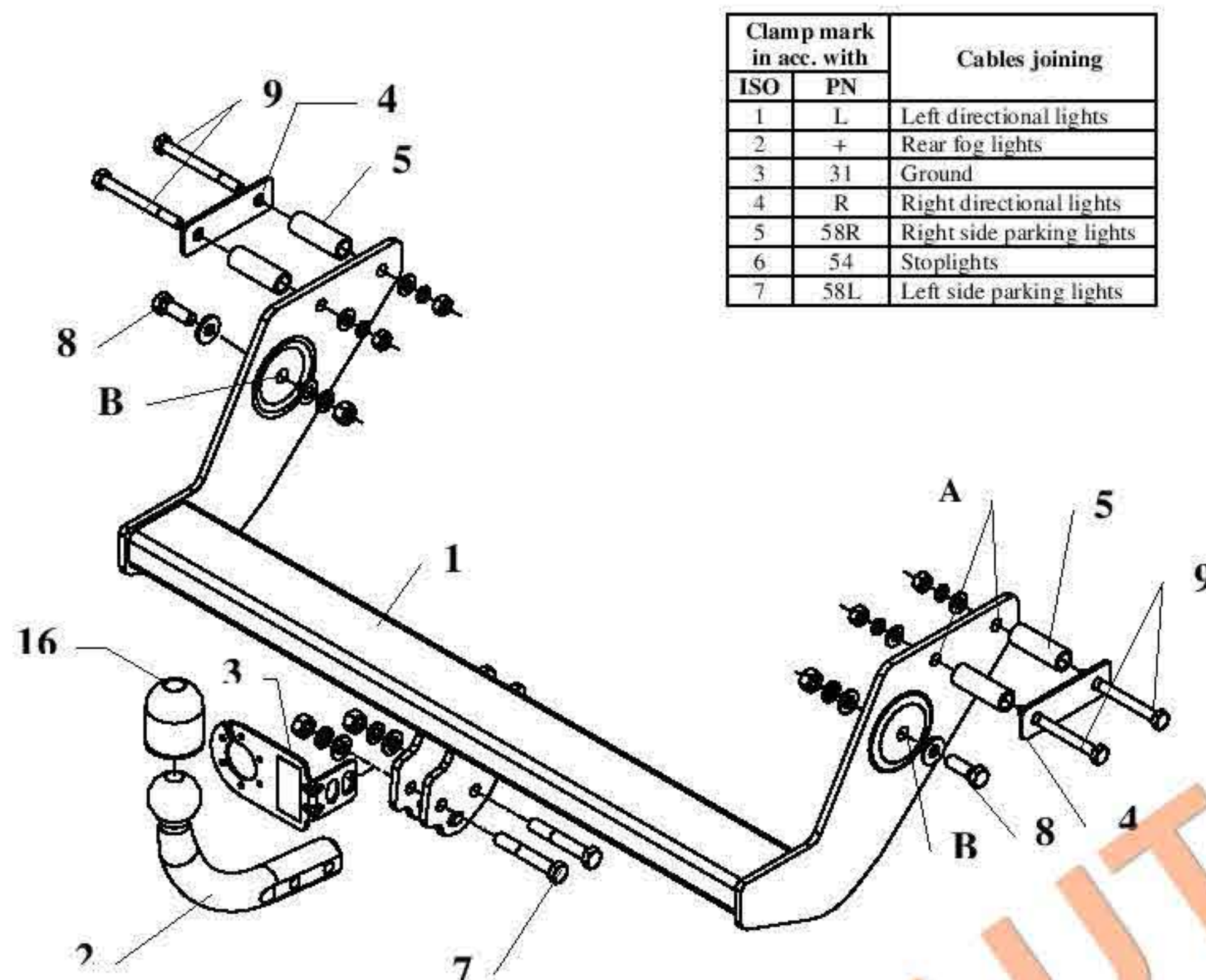


FITTING INSTRUCTION

INSTRUCTIUNI MONTAJ



This towing hitch is designed to assembly in following car:
MERCEDES Vaneo produced since 2002, catalogue no. **D27**
 and is prepared to tow trailers max total weight **1200 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 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.

1. Luați roata de rezervă din bara de protecție.
2. Deșurubează capacele de plastic la partea de jos a masinii.
3. Glisați mâneci la distanță $L = 62\text{mm}$ (poz. 5) cu originalul găuri, apoi poziționați bara de Carlig de remorcare (poz. 1), (fă-o în astfel încât găurile pos. O găuri de acoperire ale distanței furtune) și fixați-l folosind $M10 \times 100\text{mm}$ (poz. 9).
4. Puneți șuruburile $M12 \times 35\text{mm}$ (poz. 8), prin găurile (poz. B) și fixați cu elementul de șasiu.
5. Poziționați bila cârlig de remorcare (poz. 2) cu placă de soclu (Poz. 3) și fixați-l cu $M12 \times 75\text{mm}$ (poz. 7), șuruburile din partea de tractare accesorii de remorcare.
6. Strângeți toate piulițele și șuruburile conform cu cuplul prezentat în masa.
7. Conectați cablurile electrice conform instrucțiunilor mașinii

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

M 8	25 Nm	M 10	55 Nm
M 12	85 Nm	M 14	135 Nm

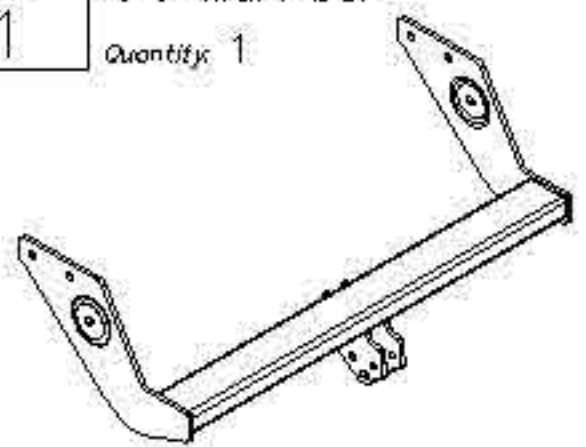
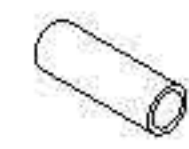
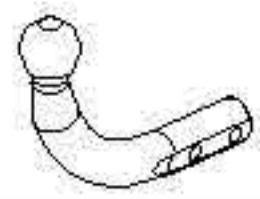
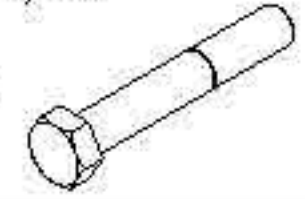
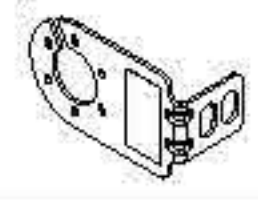
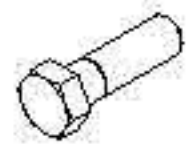
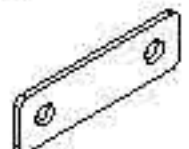
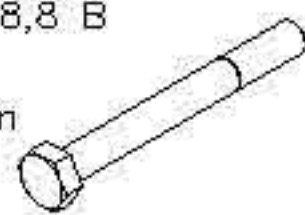
NOTE

After install the 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 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: 4 Dim.: Ø21x2,35, L=62 	Pos. 11 Name: Nut 8 B Quantity: 4 Dim.: M10 
	Pos. 6 Name: Washer Quantity: 2 Dim.: Ø28xØ12x3mm 	Pos. 12 Name: Plain washer Quantity: 4 Dim.: Ø 13 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm 	Pos. 13 Name: Plain washer Quantity: 4 Dim.: Ø 10,5 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x35mm 	Pos. 14 Name: Spring washer Quantity: 4 Dim.: Ø 12,2 mm 
Pos. 4 Name: Flat washer Quantity: 2 Dim.: 116x35x4mm 	Pos. 9 Name: Bolt 8,8 B Quantity: 4 Dim.: M10x100mm 	Pos. 15 Name: Spring washer Quantity: 4 Dim.: Ø 10,2 mm 
	Pos. 10 Name: Nut 8 B Quantity: 4 Dim.: M12 	Pos. 16 Name: Ball cover Quantity: 1 

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Towing hitch (without electrical set)

Class: A50-X Cat. no. D27

Designed for:

Manufacturer: **MERCEDES**

Model: **VANEO**

produced since 2002

Technical data:

D-value: 7,4 kN

maximum trailer weight: 1200 kg

maximum vertical cup load: 50 kg

Approval number according to Directive 94/20/EC: **e20*94/20*0317*00**

Foreword

This towing hitch is designed according to rules of safety traffic regulations. The towing hitch is a safety component and must be installed only by qualified personnel. Any alteration or conversion to the towinh 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:

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