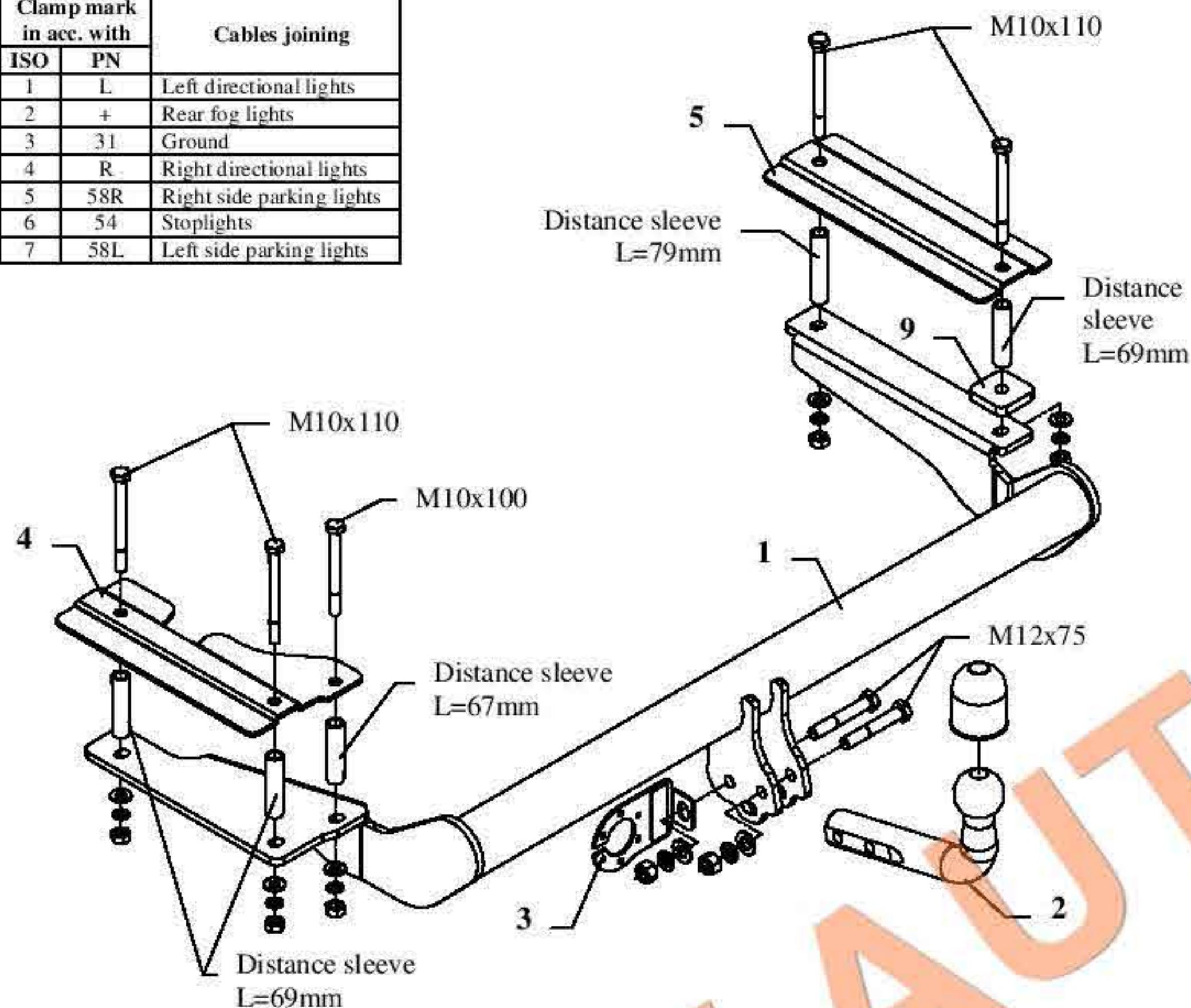


FITTING INSTRUCTION

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:
OPEL VECTRA "B" ESTATE, produced since 1996 till 2003, catalogue number **E27** and is prepared to tow trailers max total weight **1700 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 towbar depends also on correct assembly and correct exploitation. 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.

Pentru a instala bara de remorcare aveți nevoie de burghiu electric și spirl $\varnothing 17\text{mm}$.

INSTRUCTIUNI MONTAJ

1. Demontați bara de protecție, și trage un covor de boot înapoi.
2. Găsiți două găuri marcate pe partea dreaptă și găuriți-l $\varnothing 17\text{mm}$.
3. Găsiți trei găuri marcate pe stânga și găuriți-l $\varnothing 17\text{mm}$.
4. Pune-mâneci la distanță prin găurile făcute doar și poziția elemente (poz. 4 și 5), apoi se pune șuruburile M10 (poz. 11 și 12), (cum arătate în figură).
5. Element poziție (poz. 1), pe șuruburile de ieșire.
6. Montați din nou bara de protecție (mai devreme să ia o spumă din bara de protecție)
7. Fixați bara de remorcare (poz. 2) și placa de soclu (poz. 3), cu ajutorul șuruburilor M12x75mm (poz. 10), de la accesorii.
8. Strângeți toate șuruburile conform cuplului indicat în tabel.
9. Conectați cablurile electrice de soclu 7 poli de conform formulei instruirea masinii. (Recomandat montajul la service autorizat)

Torque settings for nuts and bolts (8,8):	
M 8 - 25 Nm	M 10 - 55 Nm
M 12 - 85 Nm	M 14 - 135 Nm

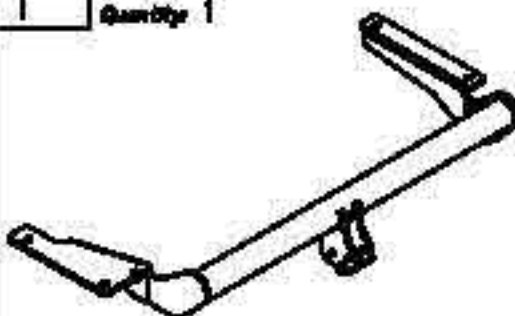
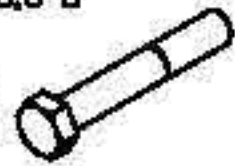
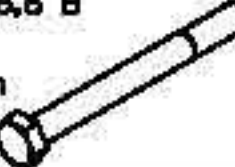
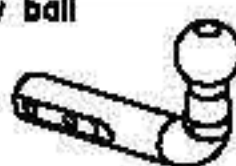
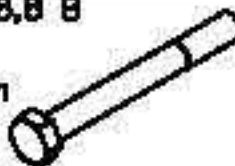
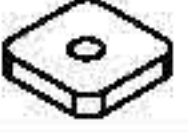
NOTE

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 of exploitation 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: Overlay Quantity: 1	Pos. 10	Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm	Pos. 15	Name: Plain washer Quantity: 2 Dim.: Ø 13 mm
							
		Pos. 6	Name: Distance sleeve Quantity: 1 Dim.: Ø17,2 L=78mm	Pos. 11	Name: Bolt 8,8 B Quantity: 4 Dim.: M10x110mm	Pos. 16	Name: Plain washer Quantity: 5 Dim.: Ø 10,5 mm
							
Pos. 2	Name: Tow ball Quantity: 1	Pos. 7	Name: Distance sleeve Quantity: 3 Dim.: Ø17,2 L=68mm	Pos. 12	Name: Bolt 8,8 B Quantity: 1 Dim.: M10x100mm	Pos. 17	Name: Spring washer Quantity: 2 Dim.: Ø 12,2 mm
							
Pos. 3	Name: Socket plate Quantity: 1	Pos. 8	Name: Distance sleeve Quantity: 1 Dim.: Ø17,2 L=67mm	Pos. 13	Name: Nut 8 B Quantity: 2 Dim.: M12	Pos. 18	Name: Spring washer Quantity: 5 Dim.: Ø 10,2 mm
							
Pos. 4	Name: Overlay Quantity: 1	Pos. 9	Name: Square washer Quantity: 1	Pos. 14	Name: Nut 8 B Quantity: 5 Dim.: M10	Pos. 19	Name: Ball cover Quantity: 1
							

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Towing hitch (without electrical set)

Class: A50-X Cat. no. **E27**

Designed for:

Manufacturer: **OPEL**

Model: **VECTRA "B"**

Type: **ESTATE**

produced since 1996 till 2003

Technical data:

D-value: **9,22 kN**

maximum trailer weight: **1700 kg**

maximum vertical cup mass: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: **E20-55R-01 1170**

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:

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