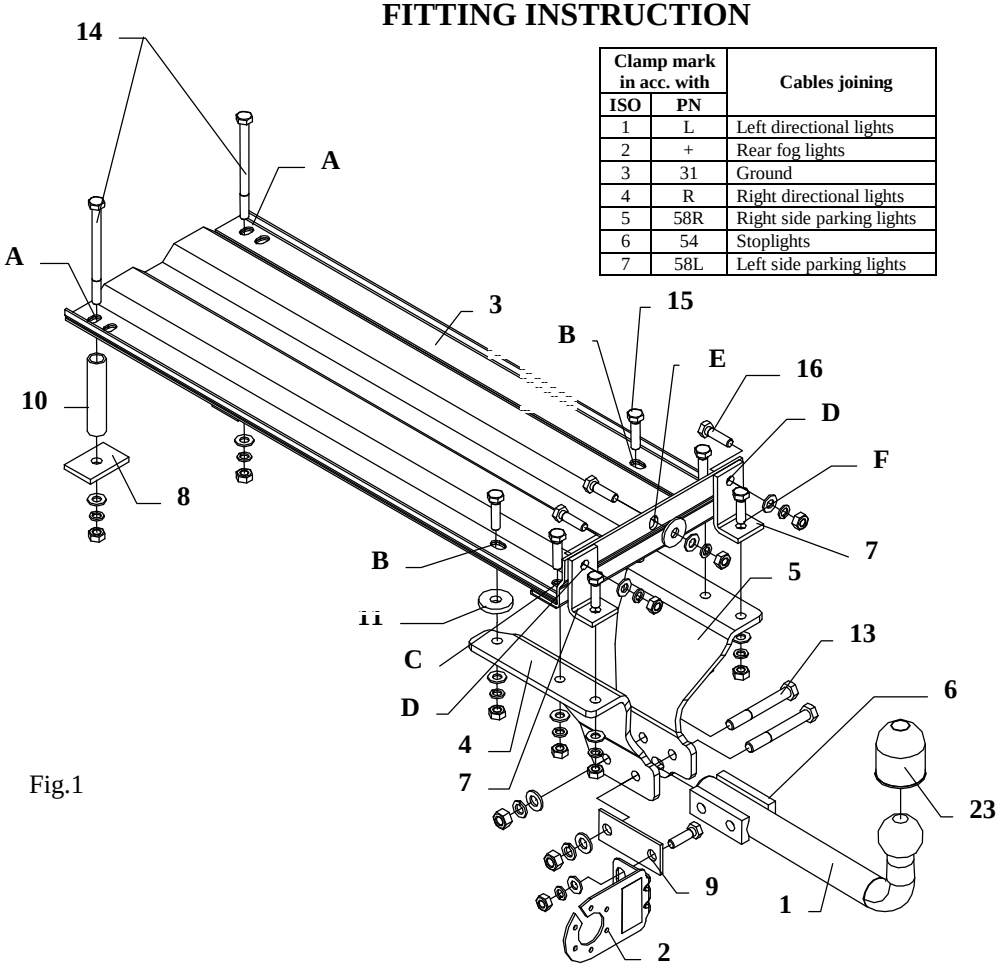
FITTING INSTRUCTION



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

Fig.1

This towbar is designed to assembly in following car: **OPEL OMEGA „B" 4 doors,** produced since 04.1994, catalogue no. **E16** and is prepared to tow trailers max total weight **2100 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. Disassemble the bumper, take out carpet from boot, disassemble cover of rear part of car (from inside boot).
2. Inside boot find original marked points to towbar installation. To make this operation easily, put part pos. 3 to the rear part of car and drill this holes using bit ø10,5 mm (pos. A,B,C,D,E) – in floor of boot and in rear part.
3. Put part (pos. 3) to boot, put from outside angle bar (pos. 7) and fix all using bolts M10x35mm through holes (pos. D and E).
4. Put distance sleeves (pos. 10) from below the car to existing holes and fix with element (pos. 8) using bolts M10x130mm (pos. 14).
5. Fix parts pos. 4 and 5 with already installed elements through holes pos. B using washers (pos. 11), through holes pos. C and F.
6. Fix ball of towbar (pos. 1) together with socket plate (pos. 2) and bonding bar (pos. 9), using bolts M12x90mm (pos.13) and M10x35mm, as shown in figure.
7. Find original cut in central part of cover rear part of car, break them, then assemble cover.
8. Tighten all bolts according to the torque shown in the table.
9. Reassemble rear bumper to the car.
10. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station)
11. Complete the paint coating damaged during installation.

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

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

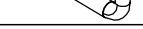
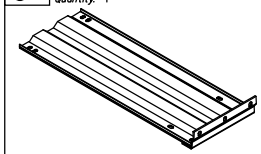
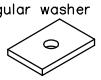
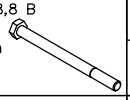
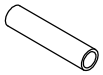
NOTE

After install the towbar you should get adequate registration 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 towbar must be always kept clear and conserve with a grease.

Towbar equipment:

Pos. 1 Name: Tow ball Quantity: 1 	Pos. 6 Name: Ball cover plate Quantity: 2 	Pos. 12 Name: Washer Quantity: 1 Dim. : ø35xø12x4 	Pos. 18 Name: Nut 8 B Quantity: 12 Dim. : M10 
Pos. 2 Name: Socket plate Quantity: 1 	Pos. 7 Name: Angle handle Quantity: 2 	Pos. 13 Name: Bolt 8,8 B Quantity: 2 Dim. : M12x90mm 	Pos. 19 Name: Plain washer Quantity: 2 Dim. : ø 13 mm 
Pos. 3 Name: Main plate Quantity: 1 	Pos. 8 Name: Rectangular washer Quantity: 2 	Pos. 14 Name: Bolt 8,8 B Quantity: 2 Dim. : M10x130mm 	Pos. 20 Name: Plain washer Quantity: 12 Dim. : ø 10,5 mm 
	Pos. 9 Name: Bonding bar Quantity: 1 	Pos. 15 Name: Bolt 8,8 B Quantity: 4 Dim. : M10x40mm 	Pos. 21 Name: Spring washer Quantity: 2 Dim. : ø 12,2 mm 
Pos. 4 Name: Ball bracket – left Quantity: 1 	Pos. 10 Name: Distance sleeve Quantity: 2 	Pos. 16 Name: Bolt 8,8 B Quantity: 6 Dim. : M10x35mm 	Pos. 22 Name: Spring washer Quantity: 12 Dim. : ø 10,2 mm 
Pos. 5 Name: Ball bracket – right Quantity: 1 	Pos. 11 Name: Washer Quantity: 2 Dim. : ø35xø12x6 	Pos. 17 Name: Nut 8 B Quantity: 2 Dim. : M12 	Pos. 23 Name: Ball cover Quantity: 1 

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **E16**
Designed for:
Manufacturer: **OPEL**
Model: **OMEGA "B"**
Type: **4 doors**
produced since 04.1994

Technical data:
D-value: **10,98 kN**
maximum trailer weight: **2100 kg**
maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1169

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 whereat values for the towing hitch cannot be exceeded.
D-value formula:

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