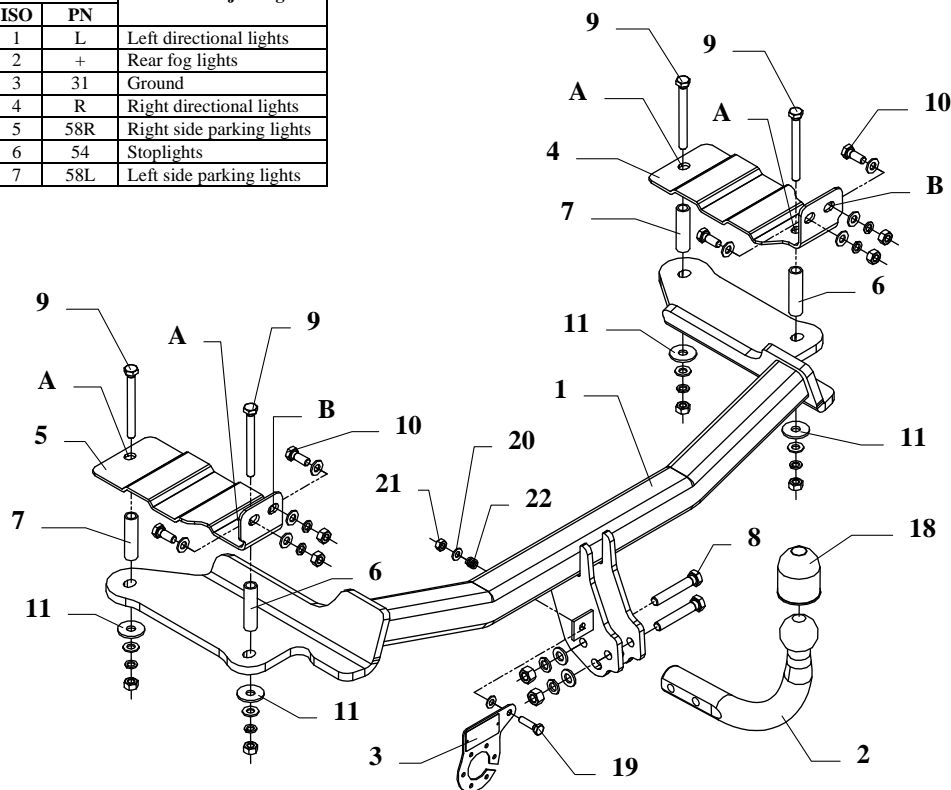


FITTING INSTRUCTION

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 car:
OPEL VECTRA "C", 4/5 doors, GTS, except OPC, produced since
 03.2002 till 2008, catalogue no. **E40** and is prepared to tow trailers max
 total weight **1950 kg** and max vertical load **78 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. Disassemble the bumper.
2. Drill the original two holes (pos. A) on the left and right side inside the trunk and drill two holes per each side in the rear panel (pos. B) - use bit $\varnothing 17,5\text{mm}$.
3. Position the distance sleeves (pos. 6 and 7) and fish-plates (pos. 4 and 5) - see the drawing.
4. Position the main bar of the towbar (pos. 1) at the bottom of the car and fix it through the holes (pos. A), distance sleeves and fish-plates (pos. 4 and 5) using bolts M10x100mm (pos. 9); then fix it through the holes (pos. B) and fishplates (pos. 4 and 5) using bolts M10x25mm (pos. 10).
5. Reassemble the bumper.
6. Position the ball of towing hitch (pos. 2) and fix with M12x70mm bolts (pos. 8) from the towing hitch accessories.
7. Fix the socket plate (pos. 3) as shown on the drawing.
8. Tighten all nuts and bolts according to the torque shown in the table.
9. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
10. Complete the paint cover of towbar (during the mounting paint cover could be destroyed).

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

M 8 - 25 Nm

M 10 - 55 Nm

M 12 - 85 Nm

M 14 - 135 Nm

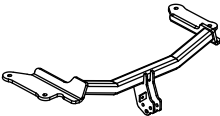





NOTE

After installation of a 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: Left fish-plate Quantity: 1	Pos. 11	Name: Washer Quantity: 4 Dim.: $\emptyset 35 \times \emptyset 12 \times 3 \text{ mm}$	Pos. 17	Name: Spring washer Quantity: 8 Dim.: $\emptyset 10,2 \text{ mm}$
		Pos. 6	Name: Distance sleeve Quantity: 2 Dim.: $\emptyset 17,2 \times \emptyset 12 \text{ mm}$ L=66mm	Pos. 12	Name: Nut 8 B Quantity: 2 Dim.: M12	Pos. 18	Name: Ball cover Quantity: 1
		Pos. 7	Name: Distance sleeve Quantity: 2 Dim.: $\emptyset 17,2 \times \emptyset 12 \text{ mm}$ L=64mm	Pos. 13	Name: Nut 8 B Quantity: 8 Dim.: M10	Pos. 19	Name: Bolt 8,8 B Quantity: 1 Dim.: M8x30mm
		Pos. 8	Name: Bolt 8,8 B Quantity: 2 Dim.: M12x70mm	Pos. 14	Name: Plain washer Quantity: 2 Dim.: $\emptyset 13 \text{ mm}$	Pos. 20	Name: Plain washer Quantity: 2 Dim.: $\emptyset 8,5 \text{ mm}$
Pos. 2	Name: Tow ball Quantity: 1	Pos. 9	Name: Bolt 8,8 B Quantity: 4 Dim.: M10x100mm	Pos. 15	Name: Plain washer Quantity: 12 Dim.: $\emptyset 10,5 \text{ mm}$	Pos. 21	Name: Nut 8 B Quantity: 1 Dim.: M8
		Pos. 10	Name: Bolt 8,8 B Quantity: 4 Dim.: M10x25mm	Pos. 16	Name: Spring washer Quantity: 2 Dim.: $\emptyset 12,2 \text{ mm}$	Pos. 22	Name: Spring Quantity: 1
Pos. 3	Name: Socket plate Quantity: 1						
							
Pos. 4	Name: Right fish-plate Quantity: 1						
							



PPUH AUTO-HAK Sp.J.

Produkcja Zaczepów Kulowych
Henryk i Zbigniew Nejman
76-200 SŁUPSK ul. Słoneczna 16K
tel/fax (059) 8-414-414; 8-414-413
E-mail: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **E40**

Designed for:

Manufacturer: **OPEL**

Model: **VECTRA "C"**

Type: **4/5 doors, GTS, except OPC**

produced since 03.2002 till 2008

Technical data:

D-value: 9,8 kN

maximum trailer weight: **1950 kg**

maximum vertical cup load: **78 kg**

Approval number acc. to regulations EKG/ONZ 55.01: **E20-55R-01 0801**

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 mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

D-value formula:

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