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
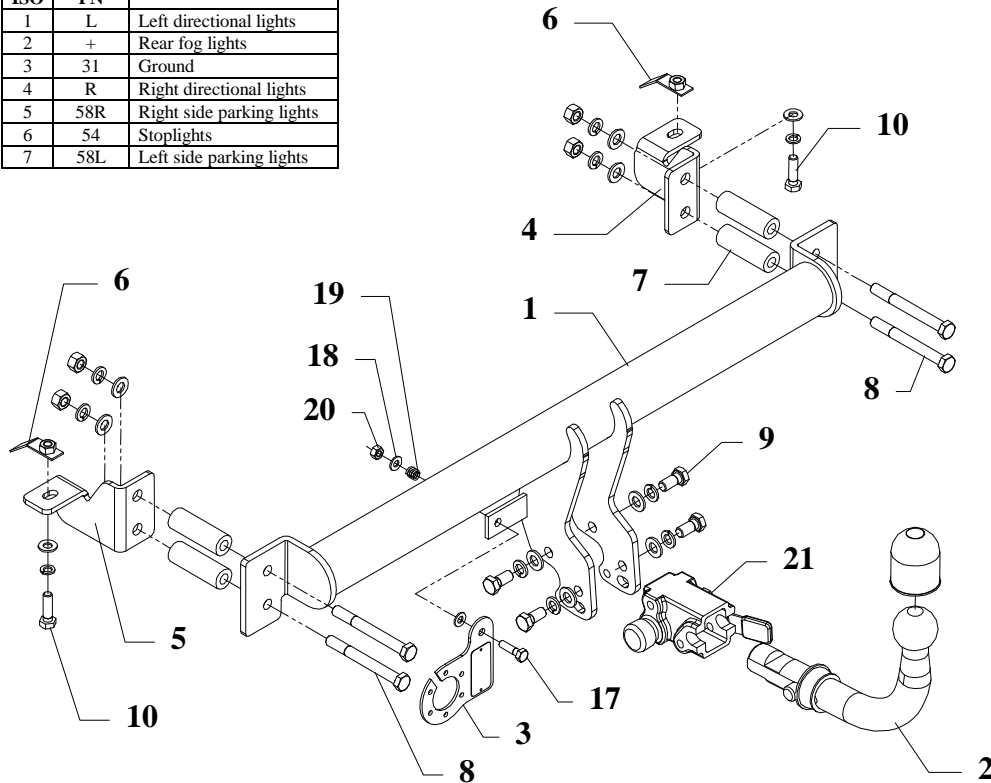
This towing hitch is designed to assembly in following cars:
OPEL ZAFIRA, produced since 1998 till 2005, catalogue no. **E35A** and is prepared to tow trailers max total weight **1600 kg** and max vertical load **75 kg**.

From manufacturer

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of 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 installed in points described by a car producer.

The instruction of the assembly

1. Disassemble the rear bumper and unscrew the metal profile.
2. Drill holes ⌀25mm in fabric signed points in the back panel.
3. Slide sleeves (dimension L=74 – pos. 7) to drilled holes.
4. Underside the car slide special nuts (pos. 6) to chassis members, to holes fabric made, per one each side.
5. Underside the chassis member position the brackets (pos. 4 and 5) and fix it loosely with M10x35mm (pos. 10) bolts.
6. Position the main bar of the towing hitch (pos. 1) to the back panel and fix it through mounted sleeves and brackets (pos. 4 and 5) with M12x120mm – pos. 8 (M12x110mm) bolts.
7. Replace the metal profile and the bumper.
8. Fix body of the automat (pos. 21) using bolts M12x25mm (pos. 9) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
9. Fix the socket plate (pos. 3) as shown on the drawing.
10. Fix socket plate according to drawing.
11. Tighten all nuts and bolts according to the torque shown in the table.
12. Connect the electric wires according to the instructions of the car.
13. Complete the paint cover of towing hitch (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
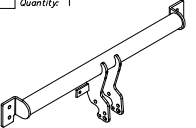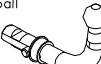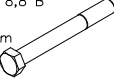
NOTE

After 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.	Name	Qty	Dim.		Pos.	Name	Qty	Dim.		Pos.	Name	Qty	Dim.		Pos.	Name	Qty	Dim.
1	Main bar	1			5	Left bracket	1	111x100x85mm		11	Nut 8 B	4	M12		17	Bolt 8,8 B	1	M8x30mm
2	Tow ball	1			6	Special nut	2	65x18mm		12	Plain washer	8	ø 13 mm		18	Plain washer	2	ø 8,5 mm
3	Socket plate	1			7	Distance sleeve	4	Ø25xØ13; L=74mm		13	Plain washer	2	ø 10,5 mm		19	Spring	1	
4	Right bracket	1	111x100x85mm		8	Bolt 8,8 B	4	M12x120mm		14	Spring washer	8	ø 12,2 mm		20	Nut 8 B	1	M8
					9	Bolt 8,8 B	4	M12x25mm		15	Spring washer	2	ø 10,2 mm		21	Body of the automat	1	
					10	Bolt 8,8 B	2	M10x35mm		16	Ball cover	1			22	Body plug	1	

AUTO HAK ® SŁUPSK

Towing hitch (without electrical set)

Class: **A50-X**   Cat. no. **E35A**
Designed for:
Manufacturer: **OPEL**
Model: **ZAFIRA**
produced since 1998 till 2005

Technical data:
D-value: **8,9 kN**
maximum trailer weight: **1600 kg**
maximum vertical cup load: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0406*00

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

D-value formula:

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