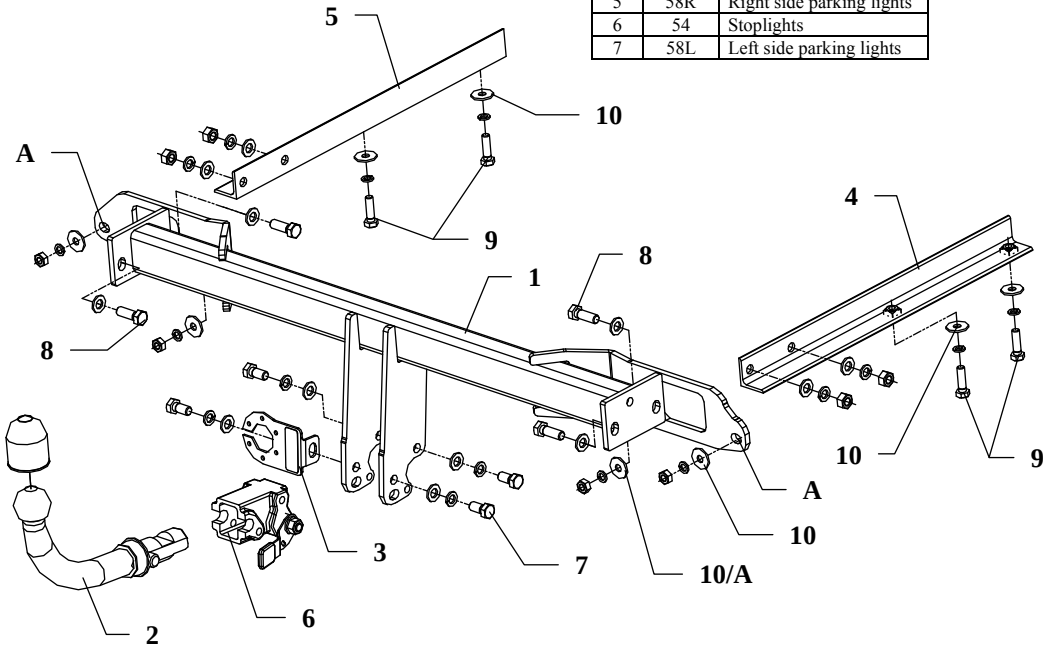
FITTING INSTRUCTION

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 ASTRA SPORTS TOURER,** produced since 2011, catalogue no. **E56A** and is prepared to tow trailers max total weight **1800 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 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 rear lights unit and bumper together with it's metal reinforcement. Reinforcement will be not used any more.
2. Apply main bar of the towbar (pos. 1) to rear part of car and fix loosely at points A.
3. Slip side handles (pos. 4 and 5) into chassis' members in this way, so holes of the brackets tally with holes in car's members. Fix loosely by bolts M10x35mm (pos. 9) as shown in the drawing.
4. Fix mounted handles (pos. 4 and 5) with main bar (pos. 1) by bolts M12x35mm (pos. 8) as shown in the drawing.
5. Fix tight all bolts according to the torque shown in the table.
6. Reassemble bumper after cut out it's fragment in bottom edge (in axis) dimensions: width 80mm and depth 100mm.
7. Fix body of the automat (pos. 6) and the socket plate (pos. 3) using bolts M12x25mm (pos. 7) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
8. Reassemble rear lights unit.
9. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
10. Complete paint layer damaged during installation.

Torque settings for nuts and bolts (8,8):		
M6 - 11 Nm	**M 8 -** 25 Nm	**M 10 -** 50 Nm
M 12 - 87 Nm	**M 14 -** 138 Nm	**M16 -** 210 Nm

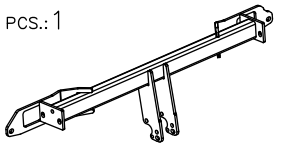
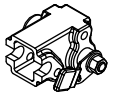
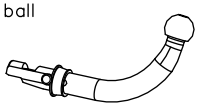
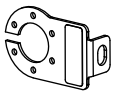
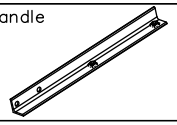
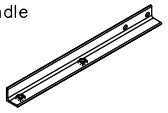
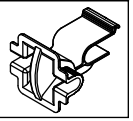
NOTE

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 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 Main bar PCS.: 1 	Pos. 6 Body of the automat PCS.: 1 	Pos. 12 Spring washer ø12,2mm PCS.: 8 
	Pos. 7 Bolt 8.8 B M12x25mm PCS.: 4 	Pos. 13 Spring washer ø10,2mm PCS.: 8 
Pos. 2 Tow ball PCS.: 1 	Pos. 8 Bolt 8.8 B M12x35mm PCS.: 4 	Pos. 14 Nut 8 B M12 PCS.: 4 
Pos. 3 Socket plate PCS.: 1 	Pos. 9 Bolt 8.8 B M10x35mm PCS.: 4 	Pos. 15 Nut 8 B M10 PCS.: 4 
Pos. 4 Right handle PCS: 1 	Pos. 10 Washer ø30xø10,5x2,5mm PCS.: 8 	Pos. 16 Ball cover PCS.: 1 
Pos. 5 Left handle PCS: 1 	Pos. 11 Plain washer ø13mm PCS.: 12 	Pos. 17 Body plug PCS.: 1 

PPUH AUTO-HAK Sp.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **E56A**
Designed for:
Manufacturer: **OPEL**
Model: **ASTRA**
Type: **SPORTS TOURER**
produced since 2011

Technical data:
D-value: **9,6 kN**
maximum trailer weight: **1800 kg**
maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*1420*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 mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.
D-value formula:

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