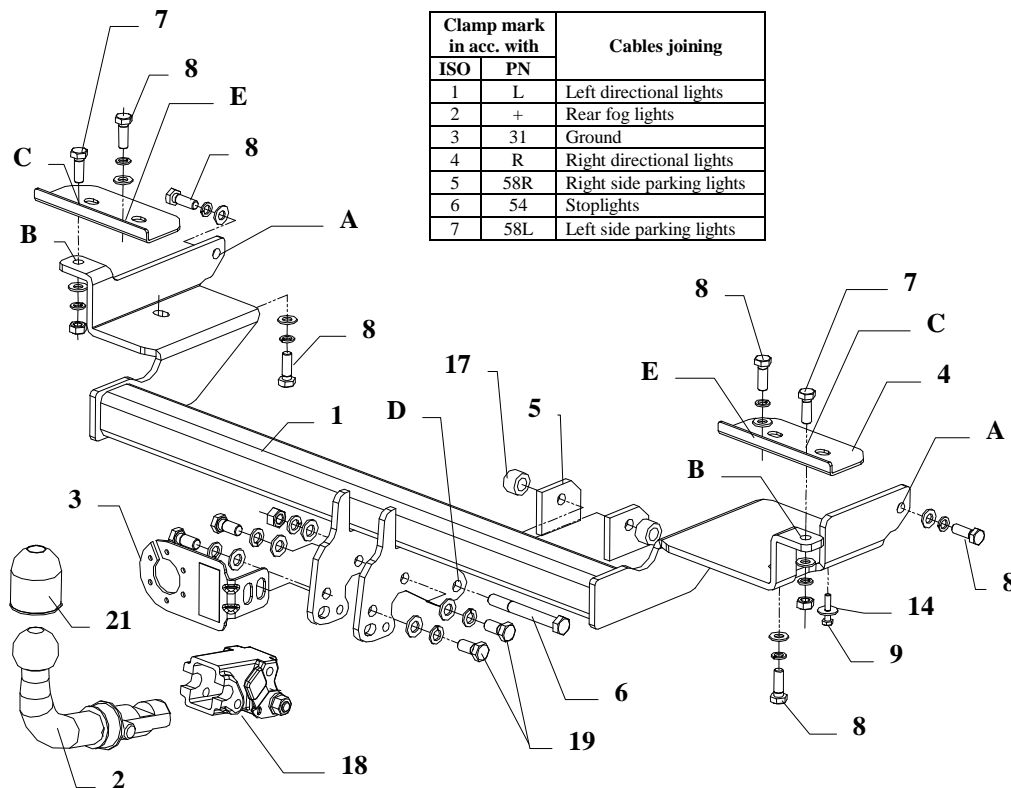


FITTING INSTRUCTION



- Put towbar to chassis – holes pos. A agree to holes in chassis members and screw it using four bolts M10x1.25x30mm (pos. 8) and plain and spring washers.
- Through holes pos. B drill boot floor using bit $\varnothing 10,5\text{mm}$.
Put fish-plates pos. 4 on holes pos. C and on drilled hole and screw all using bolts M10x30mm (pos. 7) and plain washer (loosely).
- Through holes pos. D and distance washers (pos. 5) screw with original tow handle.
- Assemble bumper (cut out fragment – see fig. 2).
- Assemble bumper using two bolts M10x1.25x30mm (pos. 8), through threaded holes inside bumper, this bolts put through holes pos. E in element pos. 4.
- Assemble thermal shield through towbar hole using bolt M6x30mm (pos. 9).
- Assemble rest of parts in reverse order.
- Fix body of the automat (pos. 18) and the socket plate (pos. 3) using bolts M12x25mm (pos. 19) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
- Tighten all bolts according to the torque shown in the table.
- Connect electric wires of 7-poles socket according to the instruction of the car.
(Recommend to make at authorized service station)
- Supplement the paint coating damaged during assembly.

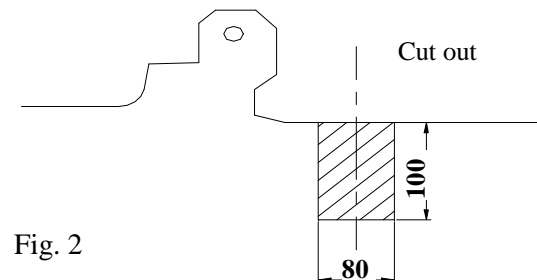


Fig. 2

This towbar is designed to assembly in following cars:

VOLVO S40 4 doors and VOLVO V40 ESTATE, both produced since 1996 till 06.2000, catalogue no. **L13A** and is prepared to tow trailers max total weight **1600 kg** and max vertical load **75 kg**.

Foreword

Thank you for buying our product. This towbar is design according to rules of safety traffic regulations and their reliability has been confirmed in many tests. Reliability of towbar also depends 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 places described by a car producer.

Fitting instructions

- Remove boot upholstery and panels from bottom.
- Disassemble a bumper.
- Uscrew last muffler handle and thermal shield.

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

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

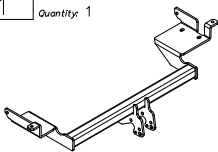



NOTE

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 accessories:

Pos. 1	Name: Main bar Quantity: 1	Pos. 5	Name: Distance fish-plate Quantity: 2	Pos. 10	Name: Nut 8 B Quantity: 1 Dim.: M12	Pos. 16	Name: Spring washer Quantity: 8 Dim.: Ø 10,2 mm
		Pos. 6	Name: Bolt 8,8 B Quantity: 1 Dim.: M12x100mm	Pos. 11	Name: Nut 8 B Quantity: 2 Dim.: M10	Pos. 17	Name: Distance sleeve Quantity: 2 Dim.: Ø25xØ13 L=16mm
Pos. 2	Name: Tow ball Quantity: 1	Pos. 7	Name: Bolt 8,8 B Quantity: 2 Dim.: M10x30mm	Pos. 12	Name: Plain washer Quantity: 5 Dim.: Ø 13 mm	Pos. 18	Name: Body of the automat Quantity: 1
		Pos. 8	Name: Bolt 8,8 B Quantity: 6 Dim.: M10x1,25x30mm	Pos. 13	Name: Plain washer Quantity: 8 Dim.: Ø 10,5 mm	Pos. 19	Name: Bolt 8,8 B Quantity: 4 Dim.: M12x25mm
Pos. 3	Name: Socket plate Quantity: 1	Pos. 9	Name: Bolt 8,8 B Quantity: 1 Dim.: M6x30mm	Pos. 14	Name: Washer Quantity: 1 Dim.: Ø22xØ6,5x1,5mm	Pos. 20	Name: Body plug Quantity: 1
				Pos. 15	Name: Spring washer Quantity: 5 Dim.: Ø 12,2 mm	Pos. 21	Name: Ball cover Quantity: 1
Pos. 4	Name: Fish-plate Quantity: 2						
							



PPUH AUTO-HAK S.J.

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[www. autohak.com.pl](http://www.autohak.com.pl)

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **L 13A**

Designed for:

MANUFACTURER: VOLVO

MODEL: S40 4 doors

V40 ESTATE

both produced since 1996 till 06.2000

Technical data:

D-value: 8,39 kN

maximum trailer weight: **1600 kg**

maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1172

Certificate no. : **B/1/199/2000**

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and must be installed only by qualified personnel. Any alteration or conversion to the towinh 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 must not be exceeded.

D-value formula:

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