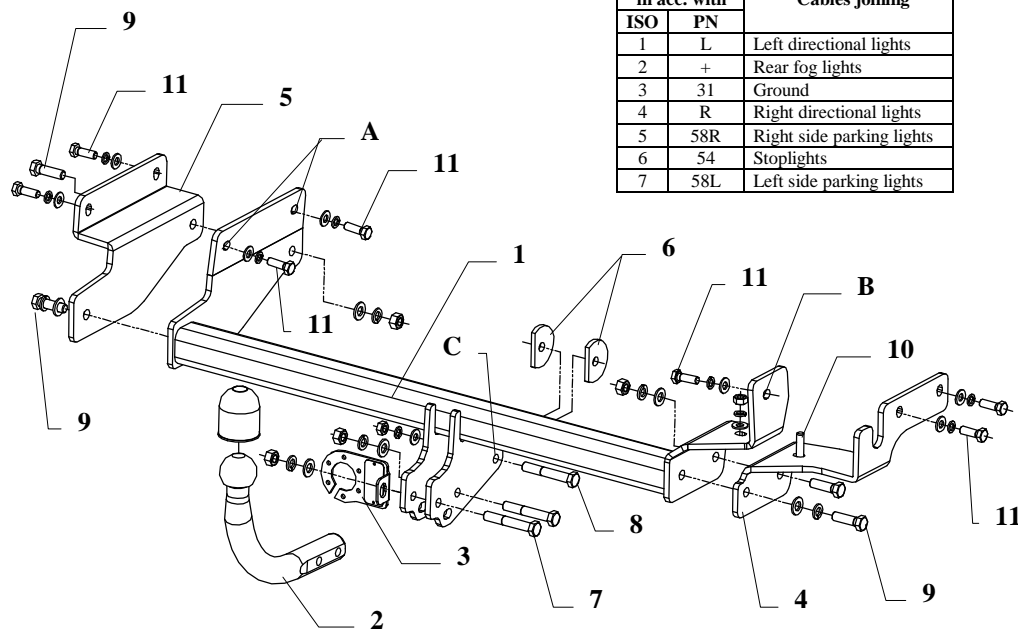


FITTING INSTRUCTION

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	Stoptlights
7	58L	Left side parking lights



The instruction of the assembly

1. Disassemble the exhaust and the heat-proof casing.
2. Apply the towbar to automobile chassis, and coincide the holes (pos. A and B) with the holes in the chassis and fix with bolts M10x1.25x30mm (pos. 11). Fix loosely.
3. To the left side on the chassis, apply the element (pos. 5) and fix using bolts M10x1.25x30mm (pos. 11) and M12x40mm (pos. 9) as well on the drawing.
4. To the right side on the chassis, apply the element (pos. 4) and fix using bolts M10x1.25x30mm (pos. 11) and M12x40mm (pos. 9) as well on the drawing.
5. Across the holes (pos. C) and washers (pos. 6) fix with the original tow-eye by bolt M10x75mm (pos. 8).
6. Mount the heat-proof casing. If is one need, cut out a fragment.
7. Fix the tow-ball (pos. 2) and the socket plate (pos. 3) to the towbar with bolts M12x75mm (pos. 7).
8. Tighten all 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 paint layer damaged during installation.

This towbar is designed to assembly in following cars: **VOLVO S40, 4 doors**, produced since 07.2000 till 2003 and **VOLVO V40, ESTATE**, produced since 07.2000 till 2004, catalogue number **L15** and is prepared to tow trailers max total weight **1400 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.

Torque settings for nuts and bolts (8,8):	
M 8 - 25 Nm	M 10 - 55 Nm
M 12 - 85 Nm	M 14 - 135 Nm

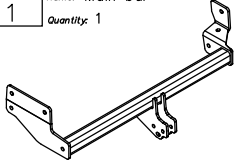
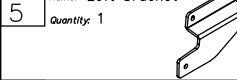
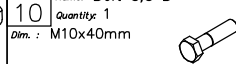
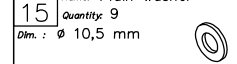
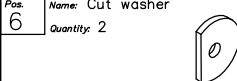
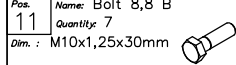
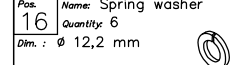
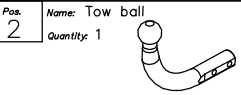
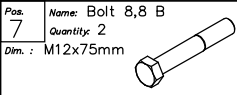
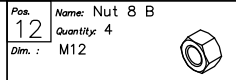
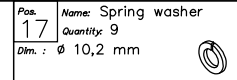
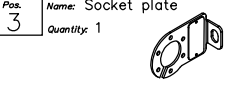
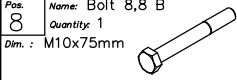
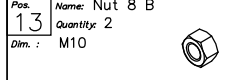
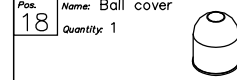
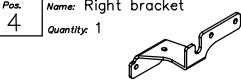
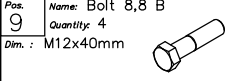
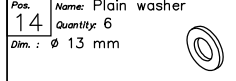
NOTE

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

Towbar accessories:

Pos. 1 Name: Main bar Quantity: 1 	Pos. 5 Name: Left bracket Quantity: 1 	Pos. 10 Name: Bolt 8,8 B Quantity: 1 Dim.: M10x40mm 	Pos. 15 Name: Plain washer Quantity: 9 Dim.: Ø 10,5 mm 
	Pos. 6 Name: Cut washer Quantity: 2 	Pos. 11 Name: Bolt 8,8 B Quantity: 7 Dim.: M10x1,25x30mm 	Pos. 16 Name: Spring washer Quantity: 6 Dim.: Ø 12,2 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm 	Pos. 12 Name: Nut 8 B Quantity: 4 Dim.: M12 	Pos. 17 Name: Spring washer Quantity: 9 Dim.: Ø 10,2 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 1 Dim.: M10x75mm 	Pos. 13 Name: Nut 8 B Quantity: 2 Dim.: M10 	Pos. 18 Name: Ball cover Quantity: 1 
Pos. 4 Name: Right bracket Quantity: 1 	Pos. 9 Name: Bolt 8,8 B Quantity: 4 Dim.: M12x40mm 	Pos. 14 Name: Plain washer Quantity: 6 Dim.: Ø 13 mm 	



PPUH AUTO-HAK S.J.

Produkcja Haków Holowniczych
Henryk & Zbigniew Nejman
76-200 SŁUPSK ul. Słoneczna 16K
tel/fax (059) 8-414-414; 8-414-413
email: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **L15**

Designed for:

Manufacturer: **VOLVO**

Model: **S40, 4 doors**

produced since 07.2000 till 2003

V40, ESTATE

produced since 07.2000 till 2004

Technical data:

D-value: 7,7 kN

maximum trailer weight: **1400 kg**

maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 0906

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:

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