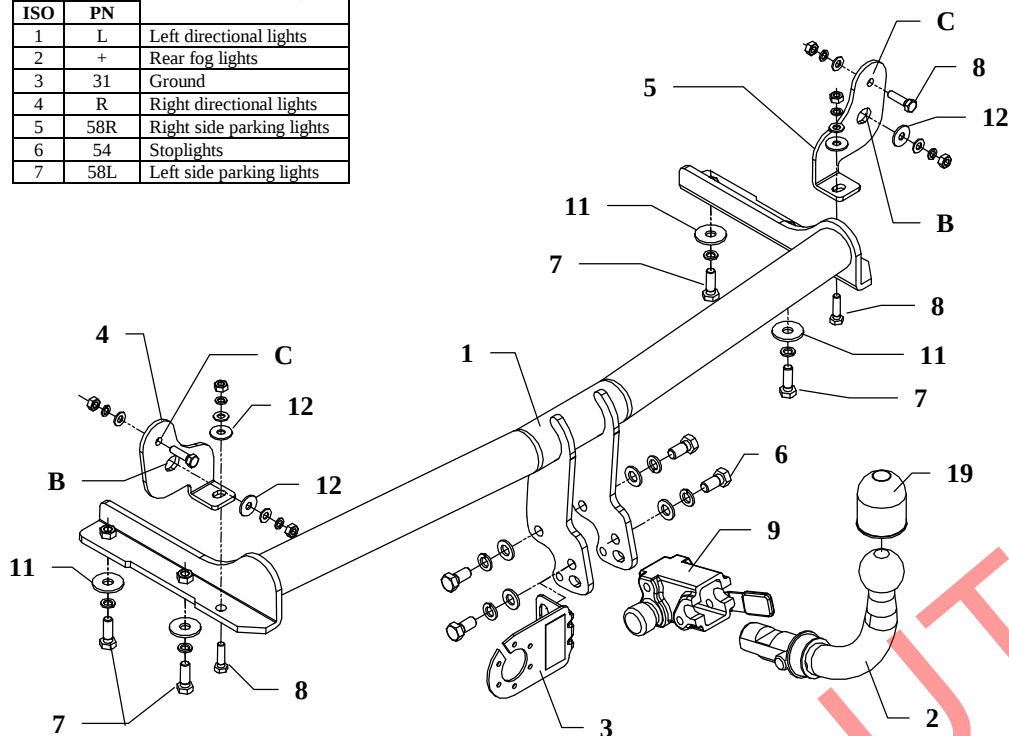


FITTING INSTRUCTION

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 towbar is designed to assembly in following car: **VOLKSWAGEN POLO 3-5 doors**, produced since 09.1999 till 12.2001, catalogue number **K30A** and is prepared to tow trailers max total weight **1200 kg** and max vertical load **50 kg**.

DE PRODUCATOR:

Vă mulțumim pentru achiziționarea produsului nostru. Fiabilitatea acestor produse a fost confirmata în numeroase teste. Fiabilitatea produselor depinde de asemenea și de asamblarea corectă și în ordinea specificată în aceste instrucțiuni. Din acest motive vă rugăm să citiți cu atenție instrucțiunile și să le urmați întocmai. Bara de tractare trebuie să fie instalată în punctele descrise de producătorul autovehiculului.

The towbar should be install in places described by car producer.

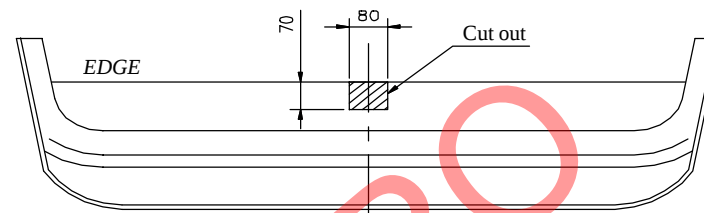


Fig. 2

The instruction of the assembly

1. Disassemble the bumper and metal reinforcement (reinforcement will be not used any more).
2. In bottom part of the bumper cut out the hole as show in the fig. 2
3. From frame holes remove the stickers. Through this holes will be fix the towbar.
4. Put bar of the towbar (pos. 1) into the chassis member and fix with bolts **M10x30mm** (pos. 7), use big washers $\varnothing 35 \times \varnothing 12 \times 3 \text{ mm}$ (pos. 11).
5. Put brackets (pos. 4 and 5) to the rear piece and fix it through holes pos. A to the bar of towbar using bolts **M8x30mm** (pos. 8), use big washers $\varnothing 25 \times \varnothing 9 \times 2 \text{ mm}$ (pos. 12).
6. Through holes (pos. B) in brackets (pos. 4 and 5) fix nuts **M8** with big washers $\varnothing 25 \times \varnothing 9 \times 2 \text{ mm}$. Take care at the torque moment - **10 Nm**.
7. Through holes (pos. C) in brackets (pos. 4 and 5) make holes with drill $\varnothing 9 \text{ mm}$, and next fix with bolts **M8x30mm** (pos. 8).
8. Fix body of the automat (pos. 9) and the socket plate (pos. 3) using bolts **M12x25mm** (pos. 6) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
9. Fix tight all bolts according to the torque shown in the table.
10. Connect the electric wires according to the instructions of the car. (Recommended to make at service station)
11. Complete paint layer damaged during installation.

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

M6 - 11 Nm	M8 - 25 Nm	M10 - 50 Nm
M12 - 87 Nm	M14 - 138 Nm	M16 - 210 Nm

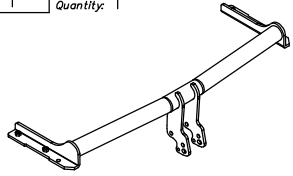
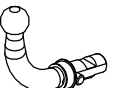
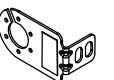
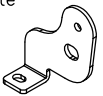
NOTE

After install the tow hook you should get adequate registration in registration book (at authorised service station). The car should be equipment with:

- indicators
- tow mirrors

After 1000km check all bolts and nuts. The ball of towbar must be always keep clear and conserve with a grease.

Towbar accessories:

Pos. 1	Name: Main bar Quantity: 1	Pos. 7	Name: Bolt 8,8 B Quantity: 4 Dim.: M10x35mm	Pos. 14	Name: Plain washer Quantity: 4 Dim.: Ø 10,5 mm
		Pos. 8	Name: Bolt 8,8 B Quantity: 4 Dim.: M8x30mm	Pos. 15	Name: Plain washer Quantity: 6 Dim.: Ø 8,5 mm
Pos. 2	Name: Tow ball Quantity: 1	Pos. 9	Name: Body of the automat Quantity: 1	Pos. 16	Name: Spring washer Quantity: 4 Dim.: Ø 12,2 mm
		Pos. 10	Name: Nut 8 B Quantity: 6 Dim.: M8	Pos. 17	Name: Spring washer Quantity: 4 Dim.: Ø 10,2 mm
Pos. 3	Name: Socket plate Quantity: 1	Pos. 11	Name: Washer Quantity: 4 Dim.: Ø35xØ12x3mm	Pos. 18	Name: Spring washer Quantity: 6 Dim.: Ø 8,2 mm
		Pos. 12	Name: Washer Quantity: 4 Dim.: Ø25xØ9x2mm	Pos. 19	Name: Ball cover Quantity: 1
Pos. 4	Name: Left plate Quantity: 1	Pos. 13	Name: Plain washer Quantity: 4 Dim.: Ø 13 mm	Pos. 20	Name: Body plug Quantity: 1
					
Pos. 5	Name: Right plate Quantity: 1				
					
Pos. 6	Name: Bolt 8,8 B Quantity: 4 Dim.: M12x25mm				
					



Tel: +40 745.805.990 / +40 737.122.471

Email: autogedal@gmail.com

office@auto-hak.ro

Web Page: www.auto-hak.ro

Carlig remorcare Volkswagen Polo 1999-2001 demontabil automat Auto-Hak

Class: A50-X Cat. no. **K30A**

Designed for:

Manufacturer: **VOLKSWAGEN**Model: **POLO**Type: **3/5 doors**

produced since 09.1999 till 12.2001

Technical data:

D-value: 6,48 kNmaximum trailer weight: **1200 kg**maximum vertical cup load: **50 kg****Approval number according to Directive 94/20/EC: e20*94/20*1161*00**

Acesta bara de tractare este proiectata în conformitate cu normele de siguranță ale regulilor de circulație. Carligul de tractare este o componentă de siguranță și poate fi instalata numai de personal calificat. Orice modificare sau transformare facuta asupra cârligului de remorcare este interzisă și va duce la anularea certificării produsului. Indepartați materialul izolator de sub vehicul (dacă există) in zona de montare a ansamblului. Specificatiile de produs ale autovehiculului referitor la greutatea admisa pe vehicul, sunt extrem de importante. In acelasi timp, sarcina admisa pentru cârligul de remorcare nu poate fi depășită si poate fi calculata folosind relatia:

$$\frac{\text{Masa maxima a remorcii [kg]} \times \text{Masa maxima a masinii[kg]}}{\text{Masa maxima a remorcii [kg]} + \text{Masa maxima a masinii[kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$