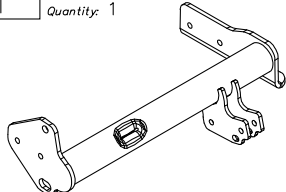
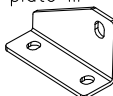

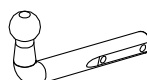
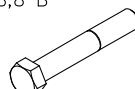

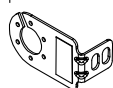
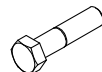

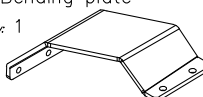
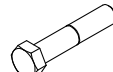

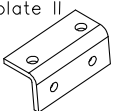
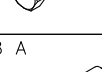




Towbar equipment:

Pos. 1	Name: Main bar Quantity: 1	Pos. 6	Name: Bending plate III Quantity: 1	Pos. 12	Name: Nut 8 B Quantity: 6 Dim.: M12
					
Pos. 2	Name: Ball Quantity: 1	Pos. 7	Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm	Pos. 13	Name: Washer Quantity: 2 Dim.: Ø35xØ13x3mm
					
Pos. 3	Name: Socket plate Quantity: 1	Pos. 8	Name: Bolt 8,8 B Quantity: 2 Dim.: M12x40	Pos. 14	Name: Washer Quantity: 10 Dim.: Ø 13 mm
					
Pos. 4	Name: Bending plate Quantity: 1	Pos. 9	Name: Bolt 8,8 A Quantity: 2 Dim.: M12x1.25x50	Pos. 15	Name: Spring washer Quantity: 12 Dim.: Ø 12,2 mm
					
Pos. 5	Name: Bending plate II Quantity: 1	Pos. 10	Name: Bolt 8,8 A Quantity: 5 Dim.: M12x1.25x40	Pos. 16	Name: Ball cover Quantity: 1
					
		Pos. 11	Name: Bolt 8,8 A Quantity: 1 Dim.: M12x1.25x30		
					



PPUH AUTO-HAK Sp.J.

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

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **O60**

Designed for:

Manufacturer: **TOYOTA**

Model: **PREVIA**

produced since 06.2000 till 12.2005

Technical data:

D-value: **10,1 kN**

maximum trailer weight: **1600 kg**

maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1399

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

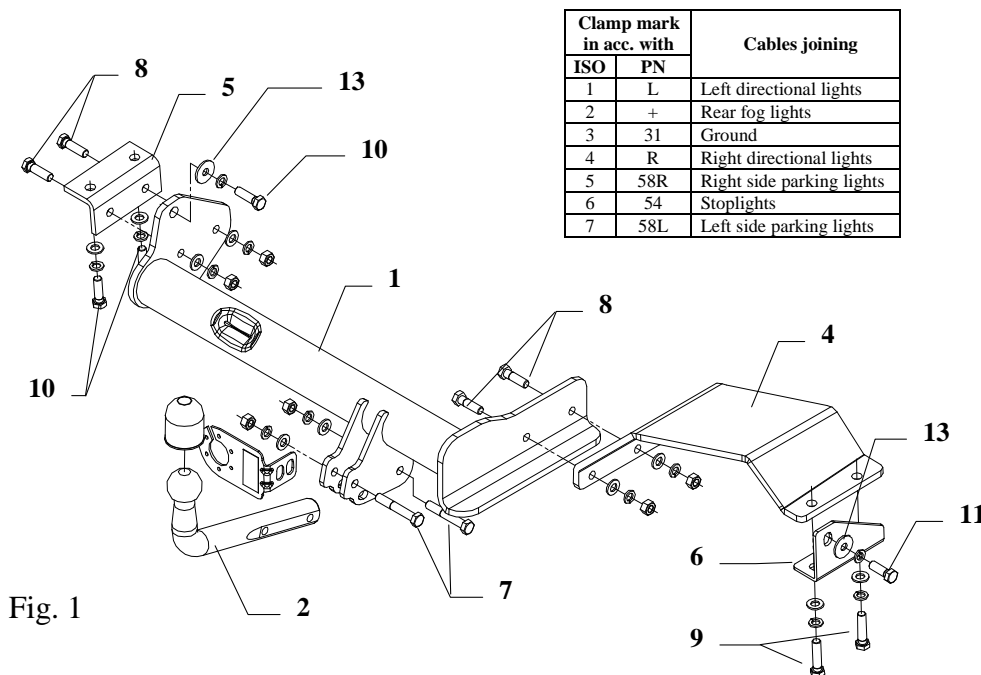
Foreword

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:

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]} \times 9,81}{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]} \times 100} = D \text{ [kN]}$$

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

Fig. 1

This towbar is designed to assembly in following car:
TOYOTA PREVIA, produced since 06.2000 till 12.2005, cat. no. **O60** 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 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):

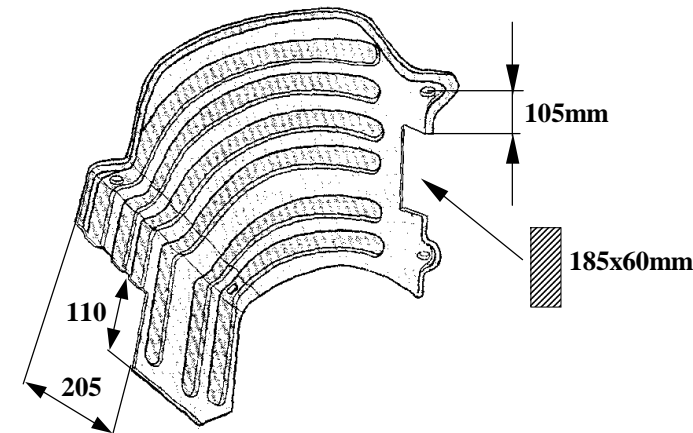
M 8 25 Nm
M 12 85 Nm

M 10 55 Nm
M 14 135 Nm

Fitting instructions

1. Take out spare wheel – remove plug and unscrew bolt fastening wheel cover.
2. Unscrew original tow handles (not used any more).
3. Take off the muffler from last, rubber handles and unscrew thermal shield.
4. Cut out fragments of thermal shield in accordance with fig. 2. Reassemble it.
5. In places of original tow handles screw on the left side element pos. 5 using bolts M12x1,25x40mm pos. 10 and on the right side elements pos. 4 and 6 screw in accordance with fig. 1 – from below use bolts M12x1,25x50 (pos. 9) and from side to the chassis member use bolt M12x1,25x35mm (pos. 11).
6. Put main bar (pos. 1) between fixed elements (see fig. 1) and screw it using bolts M12x 40mm and M12x1,25x40mm (pos. 8 and 10)
7. Install the muffler on his handles.
8. Screw tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x75mm (pos. 7) from equipment.
9. Tighten all bolts according to the torque shown in the table.
10. Reassemble spare wheel unit..
11. Connect electric wires of 7-pole socket according to the instruction of the car. (Recommend to make at authorized service station)
12. Complete paint layer damaged during installation.

Fig. 2



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 of exploitation check all bolts and nuts. The ball of towbar must be always kept clear and conserve with a grease.