

## 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

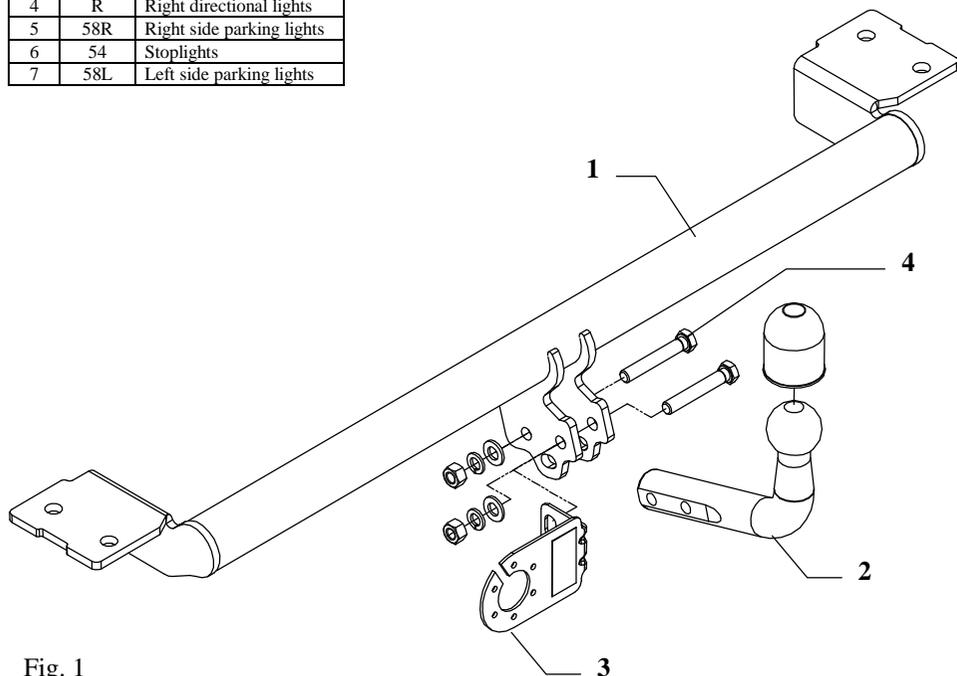


Fig. 1

This towbar is designed to assembly in following car: **TOYOTA AVENSIS 4-5 doors**, produced since 1997 till 12.2002, catalogue no. **O05**, 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.*

## The instruction of the assembly

1. Disassemble the bumper.
2. Unscrew original tow handles (not used any more).
3. Put main bar of the towbar (pos. 1) to the car and in places original tow handles fix it using original bolts.
4. Cut out fragments of the bumper (see fig. 2). Fragment 50x70mm - in lower part in axis of the bumper.
5. Fix tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x75mm (pos. 4) from accessories.
6. Fix tight all bolts according to the torque shown in the table.
7. Connect electric wires according to the instruction of the car. (Recommend to make at authorized service station).
8. Supplement the paint coating damaged during assembly.

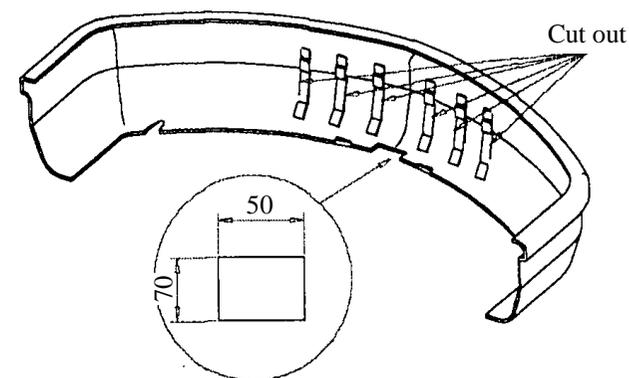


Fig. 2

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

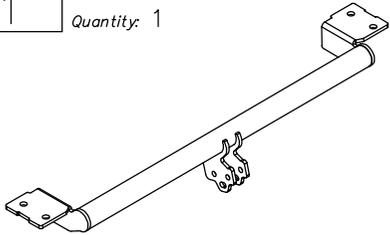
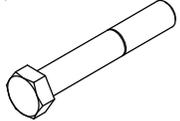
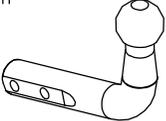
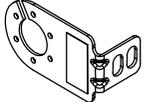
### NOTE

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. 4	Name: Bolt 8,8 B Quantity: 2 Dim. : M12x75mm
		Pos. 5	Name: Nut 8 B Quantity: 2 Dim. : M12
			
Pos. 2	Name: Tow ball Quantity: 1		
			
			



## PPUH AUTO-HAK S.J.

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### Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **O05**

Designed for:

Manufacturer: **TOYOTA**

Model: **AVENSIS**

Type: **4-5doors**

produced since 1997 till 12.2002

Technical data:

**D-value: 7,78 kN**

maximum trailer weight: **1400 kg**

maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: **E20-55R-01 1136**

### 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, and values for the towing hitch cannot be exceeded.

*D-value formula:*

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