FITTING INSTRCUTION

Clamp mark		
in acc. with	Cables joining	
ISO PN	1	
1 L	Left directional lights	
2 +	Rear fog lights	_ 4
3 31	Ground	/
4 R	Right directional lights	
5 58R	Right side parking lights	
6 54	Stoplights	7
7 58L	Left side parking lights	
	1:	14 12 11 1067A 2

This towbar is designed to assembly in following cars: **TOYOTA RAV-4, 5 doors model with the spare wheel,** produced since 03.2006 till 04.2010 and since 05.2010 till 01.2013, catalogue no. **O67A** and is prepared to tow trailers max total weight **2000 kg** and max vertical load **90 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 installed in points described by a car producer.

The instruction of the assembly

- 1. For the purpose of installing of the towbar it is not necessary to disassemble the bumper.
- 2. From the bottom of chassis members are factory-made assembly holes. One ought to fix to them side brackets of the towbar (pos. 4 and 5) using bolts M12x1,25x40mm (pos. 8) loosely.
- 3. Slip the main bar of the towbar (pos. 1) between brackets (pos. 4 and 5) and fix using bolts M12x40mm.
- 4. Fix body of the automat and place tow-ball according to supplied instruction.
- 5. Fix the socket plate (pos. 3) as shown on the drawing.
- 6. Tighten all bolts according to the torque shown in the table.
- 7. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
- 8. Complete paint layer damaged during installation.

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

Towbar accessories:

Pos. 1	Pos. 4 Name: Right side bracket Pcs: 1	Pos. Name: Nut 8 B Pcs.: 2 Dim. : M12
	Pos. Name: Left side bracket 5 Pcs: 1	Pos. Name: Plain washer Pcs.:10 Dim.: Ø 13 mm
Pos. Tow ball (mounting set) PCS.:1	Pos. Name: Bolt 8,8 B Pcs.: 4 Dim. : M12x40mm	Pos. 10 Dim.: \$\psi\$ 12,2 mm
Pos. 3 Name: Socket plate PCS: 1	Pos. Name: Bolt 8,8 B Pcs.: 6 Dim.: M12x1,25x40mm	



PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: A50-X Cat. no. O67A Technical data:
Designed for: D-value: 10,4 kN

Manufacturer: TOYOTA maximum trailer weight: 2000 kg
Model: RAV-4 maximum vertical cup load: 90 kg

5 doors, model with the spare wheel

produced since 03.2006 till 04.2010 and since 05.2010 till 01.2013

Approval number according to Directive 94/20/EC: <u>e20*94/20*0104*01</u>

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:

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