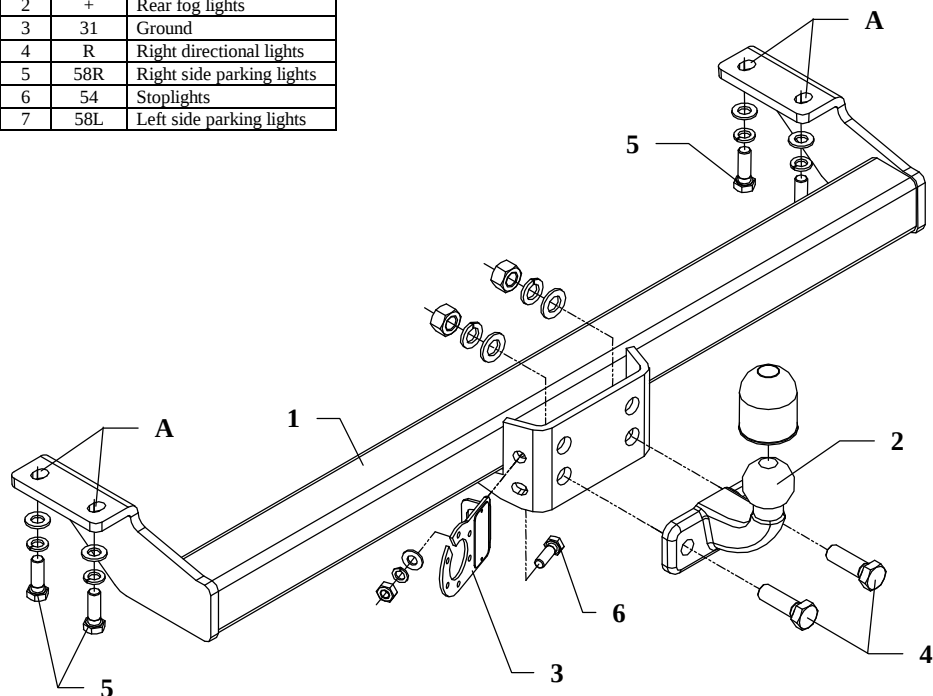


FITTING INSTRUCTION

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 towing hitch is designed to assembly in following cars:
TOYOTA RAV-4, 3/5 door, produced since 1994 till 2000, catalogue no.
O25 and is prepared to tow trailers max total weight **1750 kg** and max
 vertical mass **75 kg**.

From manufacturer

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towing hitch depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towing hitch should be install in points described by a car producer.

The instruction of the assembly

1. Unscrew factory-made towing eye (will not be assembled again).
2. Apply the main bar of the towing hitch (pos. 1) to frame of the car and through holes A of the towing hitch and existing in the frame threaded holes fix using bolts M12x1.25x35mm (pos. 5) from the towing hitch accessories.
3. Fix tow-ball (pos. 2) using bolts M16x50mm (pos. 4) from accessories.
4. Fix socket plate (pos. 3) using bolt M10x30mm (pos. 6).
5. Tighten all bolts according to the torque shown in the table.
6. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
7. 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

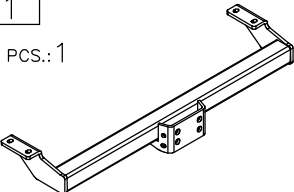
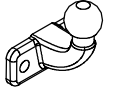
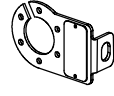
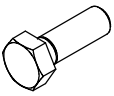
NOTE

After install the towing hitch 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 towing hitch must be always kept clear and conserve with a grease.

Towing hitch accessories:

Pos. 1	Main bar  PCS.: 1	Pos. 5	Bolt 8,8 B M12x1.25x35mm  PCS.: 4	Pos. 10	Plain washer ø13mm  PCS.: 4
		Pos. 6	Bolt 8,8 B M10x30mm  PCS.: 1	Pos. 11	Plain washer ø10.5mm  PCS.: 1
Pos. 2	Tow ball  PCS.: 1	Pos. 7	Nut 8 B M16  PCS.: 2	Pos. 12	Spring washer ø16.3mm  PCS.: 2
Pos. 3	Socket plate  PCS.: 1	Pos. 8	Nut 8 B M10  PCS.: 1	Pos. 13	Spring washer ø12.2mm  PCS.: 4
Pos. 4	Bolt 8,8 B M16x50mm  PCS.: 2	Pos. 9	Plain washer ø17mm  PCS.: 2	Pos. 14	Spring washer ø10.2mm  PCS.: 1
				Pos. 15	Ball cover  PCS.: 1



PPUH AUTO-HAK S.J.

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E-mail: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **O25**

Designed for:

Manufacturer: **TOYOTA**

Model: **RAV-4**

Type: **3/5 door**

produced since 1994 till 2000

Technical data:

D-value: 9,0 kN

maximum trailer weight: **1750 kg**

maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0391*00

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:

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