ITTING 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

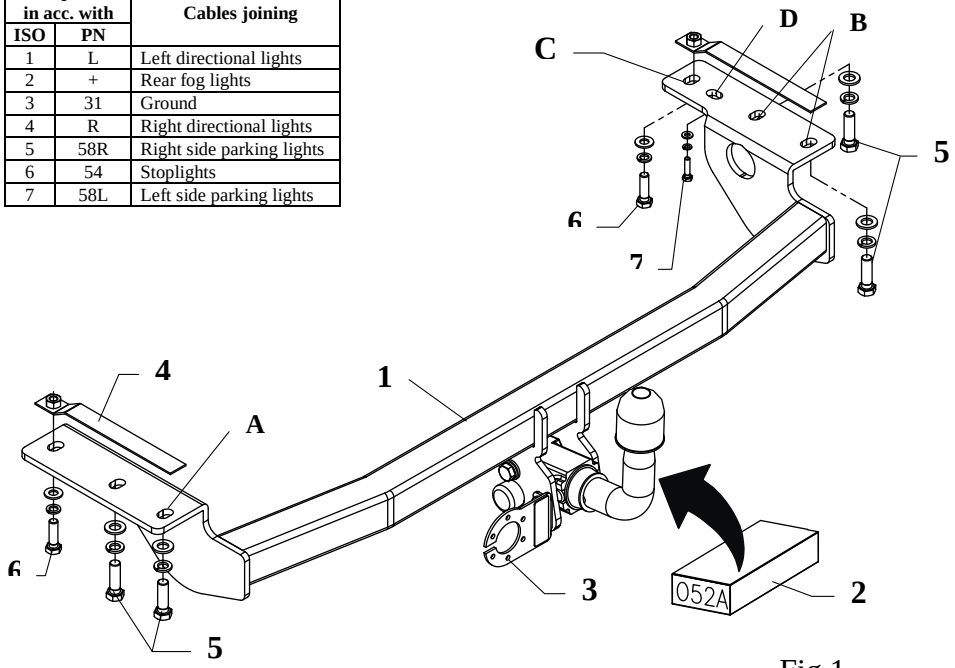


Fig.1

This towbar is designed to assembly in following car: **TOYOTA COROLLA ESTATE CAR** produced since 01.2002 till 20007, catalogue no. **O52A** and is prepared to tow trailers max total weight **1350 kg** and max vertical load **55 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):		
M6 - 11 Nm	**M8 -** 25 Nm	**M10 -** 50 Nm
M12 - 87 Nm	**M14 -** 138 Nm	**M16 -** 210 Nm

Fitting instructions

1. Disassemble the rear bumper together with the plastic part.
2. Unscrew the towing eye and metal bumper reinforcement.
3. Disassemble the silencer and thermal plate.
4. Position the element (pos. 1) together with the towing eye to the car frame (do it such a way that towbar holes pos. A and B cover original holes) and fix it using bolts M12x1,25x40mm (pos. 5).
5. Slide the special nuts M10 (pos. 4) (do it such a way that the nuts cover the holes pos. C) and fix it using M10x35mm (pos. 6).
6. Reassemble the thermal plate (use three original bolts but the fourth one which is positioned at hole pos. Dis from the towbar accessories M6x25mm – pos. 7).
7. Reassemble the silencer and plastic part after cutting it according to the fig. 2 and 3.
8. Tighten all nuts and bolts according to the torque shown in the table.
9. Fix body of the automat and place tow-ball according to supplied instruction. Note! Remember to place socket plate (pos. 3) as shown on the drawing 1.
10. Connect the electric wires according to the instructions of the car.
11. Complete the paint cover of towbar (during the mounting paint cover could be destroyed).

Fig.2

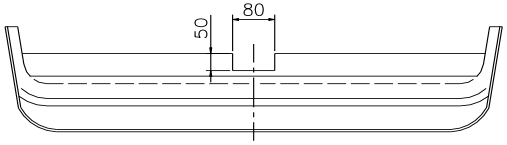


Fig.3

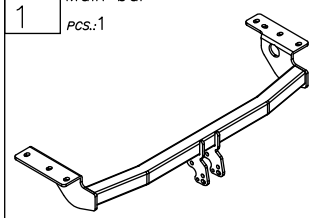
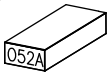
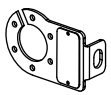
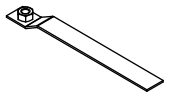
NOTE

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. The ball of towbar must be always kept clear and conserve with a grease.

Towbar accessories:

Pos. 1 Main bar PCS.:1 	Pos. 5 Bolt 8,8 B PCS.:4 M12x1,25x40mm 	Pos. 10 Plain washer PCS.:1 ø 6,5 mm 
	Pos. 6 Bolt 8,8 B PCS.: 2 M10x35mm 	Pos. 11 Spring washer PCS.:4 ø 12,2 mm 
Poz. 2 Tow ball (mounting set) PCS.:1 	Pos. 7 Bolt 8,8 B PCS.:1 M6x25mm 	Pos. 12 Spring washer PCS.: 2 ø 10,2 mm 
Pos. 3 Socket plate PCS.: 1 	Pos. 8 Plain washer PCS.:4 ø 13 mm 	Pos. 13 Spring washer PCS.:1 ø 6,2 mm 
Pos. 4 Jib with the nut PCS.: 2 	Pos. 9 Plain washer PCS.: 2 ø 10,5 mm 	

PPUH AUTO-HAK S. J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **O52A**
Designed for:
Manufacturer: **TOYOTA**
Model: **COROLLA**
Type: **ESTATE**
produced since 01.2002 till 2007

Technical data:
D-value: **7,65 kN**
maximum trailer weight: **1350 kg**
maximum vertical cup load: **55 kg**

Approval number according to Directive 94/20/EC: e20*94/20*1151*00

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and must be installed only by qualified personnel. Any alteration or conversion to 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:

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