

## Part list:

Pos. 1 Main bar PCS.: 1	Pos. 7 Left tie PCS.: 1	Pos. 14 Bolt 8,8 B M10x30mm PCS.: 1	Pos. 21 Spring washer ø10,2mm PCS.: 3
	Pos. 8 Distance sleeve ø17,2xø12,5mm L=58mm PCS.: 2	Pos. 15 Plain washer ø17mm PCS.: 2	Pos. 22 Nut 8 B M16 PCS.: 2
Pos. 2 Tow ball PCS.: 1	Pos. 9 Bolt 8,8 B M16x50mm PCS.: 2	Pos. 16 Plain washer ø13mm PCS.: 12	Pos. 23 Nut 8 B M12 PCS.: 12
Pos. 3 Socket plate PCS.: 1	Pos. 10 Bolt 8,8 B M12x40mm PCS.: 4	Pos. 17 Plain washer ø10,5mm PCS.: 1	Pos. 24 Nut 8 B M10 PCS.: 3
Pos. 4 Right bracket PCS.: 1	Pos. 11 Bolt 8,8 B M12x35mm PCS.: 4	Pos. 18 Washer ø30xø10,5x2,5mm PCS.: 2	Pos. 25 Pipe plug PCS.: 2
Pos. 5 Left bracket PCS.: 1	Pos. 12 Bolt 8,8 B M12x1,25x35mm PCS.: 4	Pos. 19 Spring washer ø16,3mm PCS.: 2	Pos. 26 Ball cover PCS.: 1
Pos. 6 Right tie PCS.: 1	Pos. 13 Bolt 8,8 B M10x100 PCS.: 2	Pos. 20 Spring washer ø12,2mm PCS.: 12	



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## Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **O51**

Designed for:

Manufacturer: **TOYOTA**

Model: **HILUX**

Type: **Pick up, 4WD, (N16, N17), without footboard**

produced since 10.1997 till 09.2005

Technical data:

**D-value: 12,2 kN**

maximum trailer weight: **2525 kg**

maximum vertical cup mass: **90 kg**

**Approval number according to Directive 94/20/EC: e20\*94/20\*0450\*00**

## Foreword

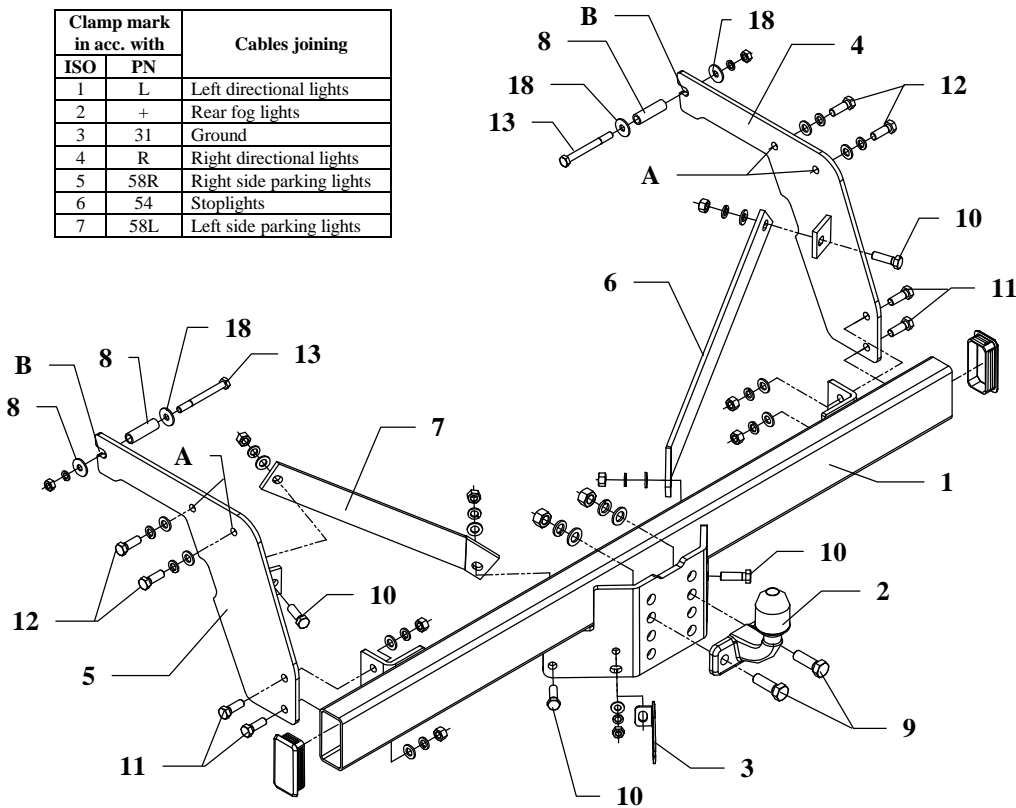
This towing hitch is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating 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 load and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

*D-value formula:*

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

## 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 HILUX, Pick up, 4WD, (N16, N17), without footboard**,  
 produced since 10.1997 till 09.2005, catalogue no. **O51** and is prepared to  
 tow trailers max total weight **2525 kg** and max vertical mass **90 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 installed in points described by a car producer.*

## The instruction of the assembly

1. Put side brackets of towbar (pos. 4 and 5) from outside of the car frame and next fix through holes pos. A and existing, threaded holes in the frame by bolts M12x1,25x35mm (pos. 12) from accessories.
2. Fix side brackets through cuts pos. B using bolts M10x100mm (pos. 13), distance sleeves (pos. 8) and big washers (pos. 18) as show on the figure (to make this operation easier, put the spare wheel down).
3. Between installed side brackets fit main bar of the towbar (pos. 1), next fix with brackets by bolts M12x35mm (pos. 11) from accessories.
4. Fix side ties (pos. 6 and 7) as shown on the figure using bolts M12x40mm (pos. 10).
5. To installed towbar fix tow-ball (pos. 2) using bolts M16x50mm (pos. 9) from accessories.
6. Fix socket plate using bolt M10x30mm (pos. 14).
7. Tighten all bolts according to the torque shown in the table.
8. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
9. Complete paint layer damaged during installation.

Torque settings for nuts and bolts (8,8):

<b>M6</b> - 11 Nm	<b>M8</b> - 25 Nm	<b>M10</b> - 50 Nm
<b>M12</b> - 87 Nm	<b>M14</b> - 138 Nm	<b>M16</b> - 210 Nm

### NOTE

After installation of the towing hitch you should get adequate note in registration book (at authorised service station).The car should be equipped with:

- Indicators
- Tow mirrors

Check all bolts and nuts after **1000 km**. The ball of the towing hitch must be always kept clear and conserve with a grease.