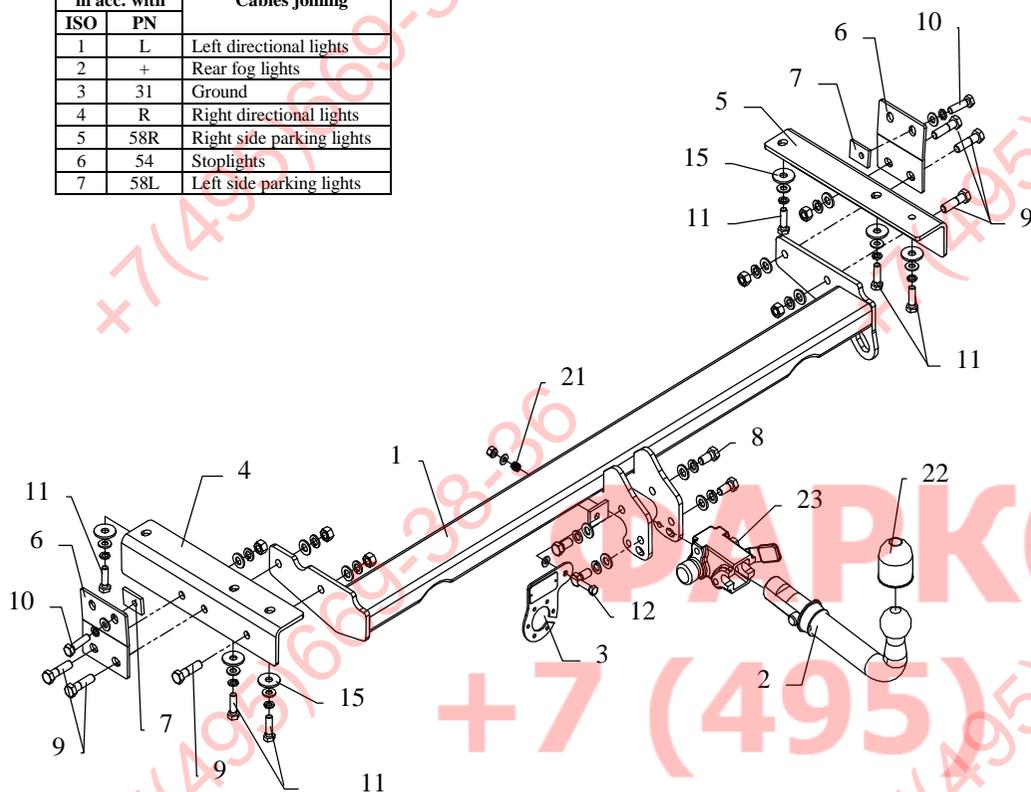


## FITTING INSTRUCTION

| 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 towbar is designed to assembly in following cars:  
**TOYOTA LEXUS RX300** produced since 2000 till 2002, catalogue number **O62A** and is prepared to tow trailers max total weight **2200 kg** and max vertical load **75 kg**.

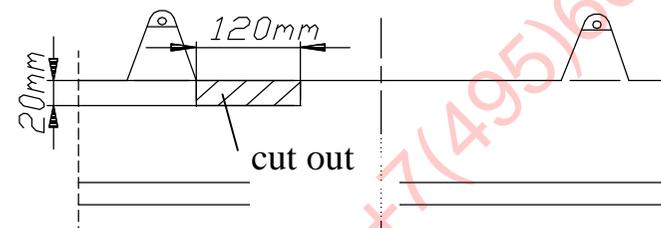
### From manufacturer

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towbar depends also on correct assembly and correct exploitation. 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 a original towing eye (not used any more).
2. Remove plugs from threaded holes in chassis members.
3. Underneath the bumper cut fragment according to figure below.



4. To chassis members fix loosely elements pos. 4 and 5 using bolts M10x1,25x35mm (pos. 11) and elements (pos. 6 and 7) using bolts M10x1,25x40mm (pos. 10), see figure.
5. Between installed elements 4 and 5 put main bar of the towbar (pos. 1) and fix it using bolts M12x45mm (pos. 9)
6. Fix body of the automat (pos. 23) using bolts M12x25mm (pos. 4) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
7. Fix the socket plate (pos. 3) as shown on the drawing.
8. Connect electric wires according to the instruction of the car. (Recommend to make at authorized service station)
9. Complete the paint coating 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 |

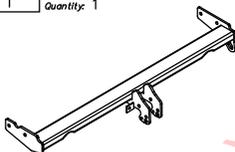
### NOTE

After 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<br>Name: Main bar<br>Quantity: 1  | Pos. 6<br>Name: Flat bar<br>Quantity: 2                      | Pos. 12<br>Name: Bolt 8,8 B<br>Quantity: 1<br>Dim.: M8x30mm                            | Pos. 18<br>Name: Plain washer<br>Quantity: 2<br>Dim.: $\varnothing$ 8,5 mm    |
|  | Pos. 7<br>Name: Rectangular washer<br>Quantity: 2            | Pos. 13<br>Name: Nut 8 B<br>Quantity: 6<br>Dim.: M12                                   | Pos. 19<br>Name: Spring washer<br>Quantity: 10<br>Dim.: $\varnothing$ 12,2 mm |
| Pos. 2<br>Name: Tow ball<br>Quantity: 1  | Pos. 8<br>Name: Bolt 8,8 B<br>Quantity: 4<br>Dim.: M12x25mm  | Pos. 14<br>Name: Nut 8 B<br>Quantity: 1<br>Dim.: M8                                    | Pos. 20<br>Name: Spring washer<br>Quantity: 8<br>Dim.: $\varnothing$ 10,2 mm  |
| Pos. 3<br>Name: Socket plate<br>Quantity: 1                                      | Pos. 9<br>Name: Bolt 8,8 B<br>Quantity: 6<br>Dim.: M12x45mm  | Pos. 15<br>Name: Washer<br>Quantity: 6<br>Dim.: $\varnothing$ 35x $\varnothing$ 12x3mm | Pos. 21<br>Name: Spring<br>Quantity: 1  |
| Pos. 4<br>Name: Left bracket<br>Quantity: 1                                      | Pos. 10<br>Name: Bolt 8,8 B<br>Quantity: 2<br>Dim.: M10x40mm | Pos. 16<br>Name: Plain washer<br>Quantity: 10<br>Dim.: $\varnothing$ 13 mm             | Pos. 22<br>Name: Ball cover<br>Quantity: 1                                    |
| Pos. 5<br>Name: Right bracket<br>Quantity: 1                                     | Pos. 11<br>Name: Bolt 8,8 B<br>Quantity: 6<br>Dim.: M10x35mm | Pos. 17<br>Name: Plain washer<br>Quantity: 8<br>Dim.: $\varnothing$ 10,5 mm            | Pos. 23<br>Name: Body of the automat<br>Quantity: 1                           |
|  |  | Pos. 24<br>Name: Body plug<br>Quantity: 1  |   |



**PPUH AUTO-HAK Sp.J.**

Produkcja Zaczepów Kulowych  
Henryk & Zbigniew Nejman  
76-200 SŁUPSK ul. Słoneczna 16K  
tel/fax (059) 8-414-414; 8-414-413  
E-mail: office@autohak.com.pl  
www. autohak.com.pl

**Towing hitch (without electrical set)**

Class: **A50-X** Cat. no. **O62A**

Designed for:

Manufacturer: **TOYOTA**

Model: **LEXUS**

Type: **RX300**

produced since 2000 till 2002

Technical data:

**D-value: 11,0 kN**

maximum trailer weight: **2200 kg**

maximum vertical cup load: **75 kg**

Approval number according to Directive 94/20/EC: **e20\*94/20\*0027\*00**

**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:*

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