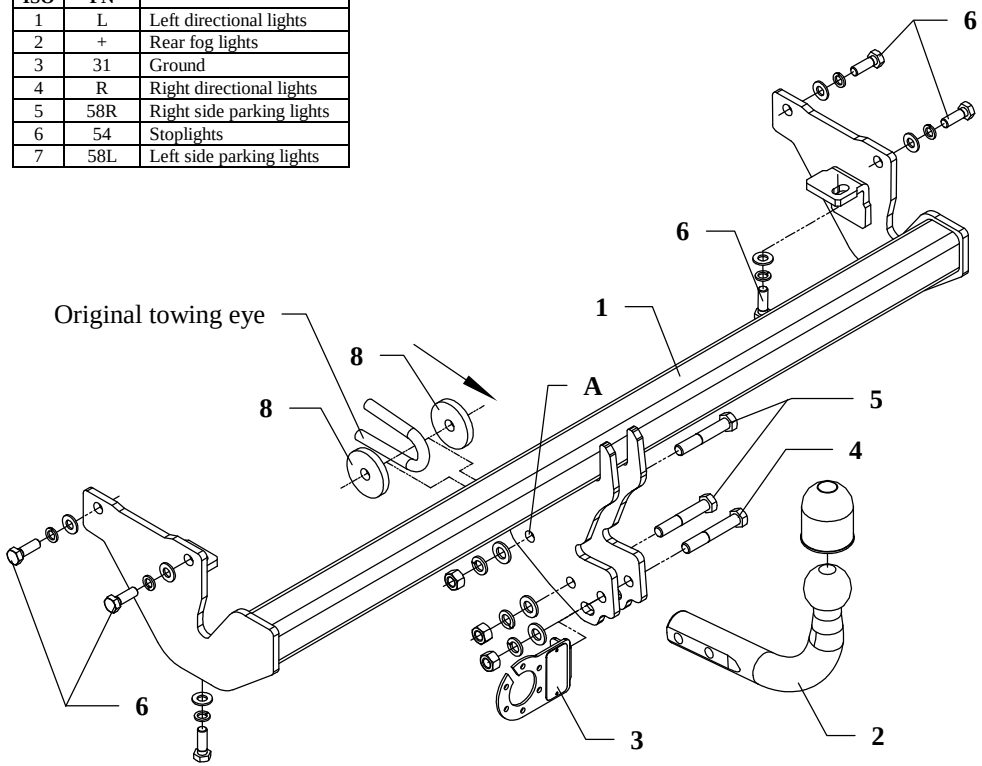
FITTING INSTRUCTION

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: **MITSUBISHI SPACESTAR,** produced since 1998, catalogue no. **Z16** and is prepared to tow trailers max total weight **1400 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 right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towbar should be installing in points described by a car producer.

The instruction of the assembly

1. Disassemble the rear bumper.
2. Put main bar of the towbar (pos. 1) to the chassis member and fix it through the original holes using bolts M10x1,25x30mm (pos. 6).
3. Fix through the hole (pos. A) and original towing eye using bolt M12x70mm (pos. 5) together with big washers (pos. 8).
4. Reassemble the bumper.
5. Fix tow-ball (pos. 2) and socket plate (pos. 3) by bolts M12x75mm (pos. 4) and M12x70mm (pos. 5) from equipment.
6. Tighten all nuts and bolts according to the torque shown in the table.
7. Connect to the electric wires according to the instructions of the car.
8. Complete the paint cover of towbar (during the mounting paint cover could be destroyed).

Torque settings for nuts and bolts (8,8):	
M 8 - 25 Nm	**M 10 -** 55 Nm
M 12 - 85 Nm	**M 14 -** 135 Nm

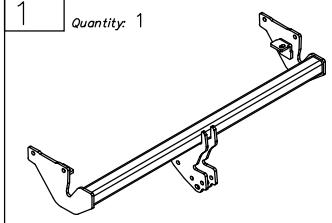
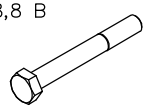
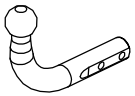
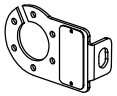
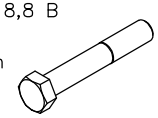
NOTE

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

Check all bolts and nuts after 1000km of exploitation. The ball of towbar must be always kept clear and conserve with a grease.

Towbar equipment:

Pos. 1 — Name: Main bar — Quantity: 1 	Pos. 5 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x70mm 	Pos. 10 — Name: Plain washer — Quantity: 6 — Dim. : ø 10,5 mm 
	Pos. 6 — Name: Bolt 8,8 B — Quantity: 6 — Dim. : M10x1,25x35mm 	Pos. 11 — Name: Spring washer — Quantity: 3 — Dim. : ø 12,2 mm 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 7 — Name: Nut 8 B — Quantity: 2 — Dim. : M12 	Pos. 12 — Name: Spring washer — Quantity: 6 — Dim. : ø 10,2 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 8 — Name: Washer — Quantity: 2 — Dim. : ø58xø13x8mm 	Pos. 13 — Name: Ball cover — Quantity: 1 
Pos. 4 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x75mm 	Pos. 9 — Name: Plain washer — Quantity: 3 — Dim. : ø 13 mm 	

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. **Z16**
Designed for:
Manufacturer: **MITSUBISHI**
Model: **SPACESTAR**
produced since 1998

Technical data:
D-value: **7,59 kN**
maximum trailer weight: **1400 kg**
maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 0805

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:

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