# 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 |
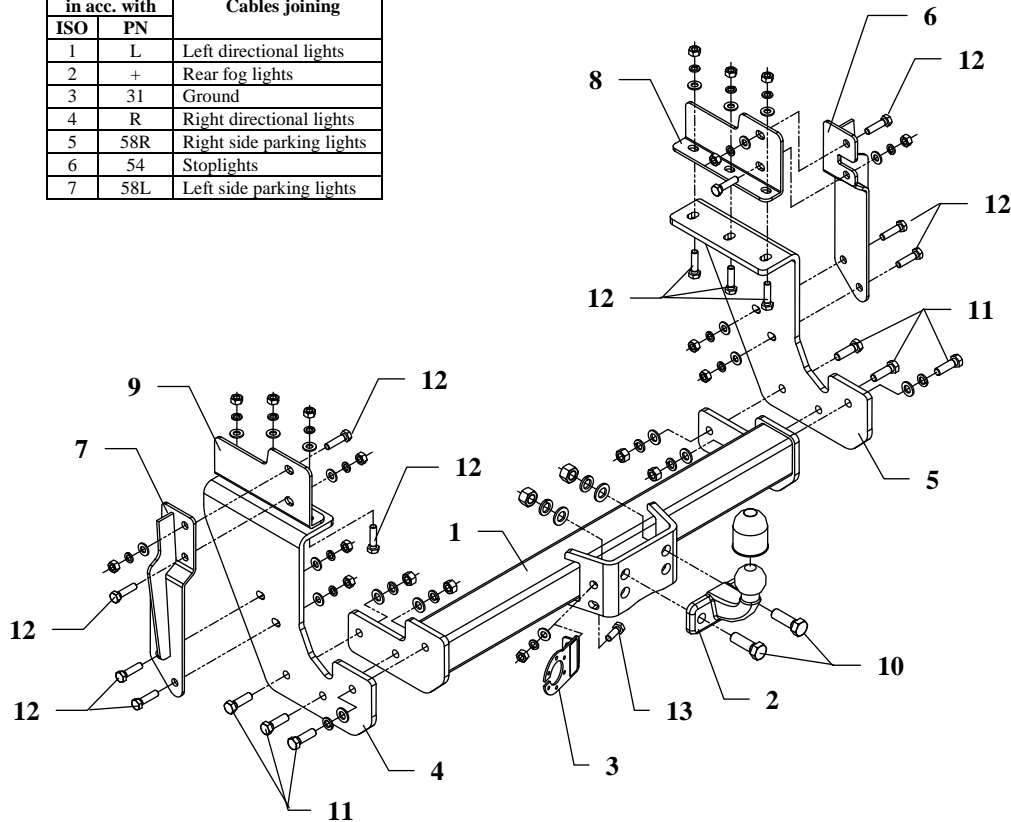


This towbar is designed to assembly in following car:
**MITSUBISHI CANTER (loading platform),** produced since 1993 till 12.2015, catalogue number **Z32** and is prepared to tow trailers max total weight up to **2500 kg** and max vertical load **100 kg**.

### *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.*

## The instruction of the assembly

1. On existing in car frame holes apply:
   - from outside - side fish-plates (pos. 6 and 7)
   - from inside - suitable angle bars (pos. 8 and 9)
   - underneath - side brackets of towbar (pos. 4 and 5)
   
   All elements fix loosely through car frame using bolts as shown on the figure.
2. Fix elements of the towbar pos. 4, 5, 6, 7, 8, 9 to the chassis frame according to figure 1 (loosely).
3. Between installed side brackets (pos. 4 and 5) put main bar of the towbar (pos. 1) and fix it by bolts M12x40mm (pos. 11).
4. Fix tow ball (pos. 2) using bolts M16x50mm (pos. 10)
5. Fix the socket plate (pos. 3) as shown on the drawing.
6. Tight all bolts according to the torque shown in the table.
7. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station)
8. 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 |
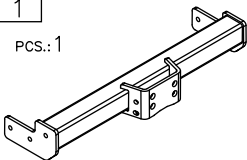
## NOTE

After install the 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. | | Pos. | | Pos. | | Pos. | |
|---|---|---|---|---|---|---|---|
| 1 | Main bar  PCS.: 1 | 6 | Right fish-plate  PCS.: 1 | 12 | Bolt 8,8 B M10x40mm  PCS.: 14 | 18 | Spring washer ø12,2mm  PCS.: 6 |
| | | 7 | Left fish-plate  PCS.: 1 | 13 | Bolt 8,8 B M10x30mm  PCS.: 1 | 19 | Spring washer ø10,2mm  PCS.: 15 |
| 2 | Tow ball  PCS.: 1 | 8 | Right angle bar  PCS.: 1 | 14 | Plain washer ø17mm  PCS.: 2 | 20 | Nut 8 B M16  PCS.: 2 |
| 3 | Socket plate  PCS.: 1 | 9 | Left angle bar  PCS.: 1 | 15 | Plain washer ø12mm  PCS.: 6 | 21 | Nut 8 B M12  PCS.: 4 |
| 4 | Left bracket  PCS.: 1 | 10 | Bolt 8,8 B M16x50mm  PCS.: 2 | 16 | Plain washer ø10mm  PCS.: 15 | 22 | Nut 8 B M10  PCS.: 15 |
| 5 | Right bracket  PCS.: 1 | 11 | Bolt 8,8 B M12x40mm  PCS.: 6 | 17 | Spring washer ø16,3mm  PCS.: 2 | 23 | Ball cover  PCS.: 1 |

## PPUH   AUTO-HAK S.J.

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## Towing hitch (without electrical set)

Class: **A50-X**    Cat. no. **Z32**

Designed for:
Manufacturer: **MITSUBISHI**
Model: **CANTER**
Type: **loading platform,**
produced since 1993 till 12.2015

Technical data:
**D-value: 13,4 kN**
maximum trailer weight: **2500 kg**
maximum vertical cup load: **100 kg**

**Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1617**

### *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:*

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