# 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 |
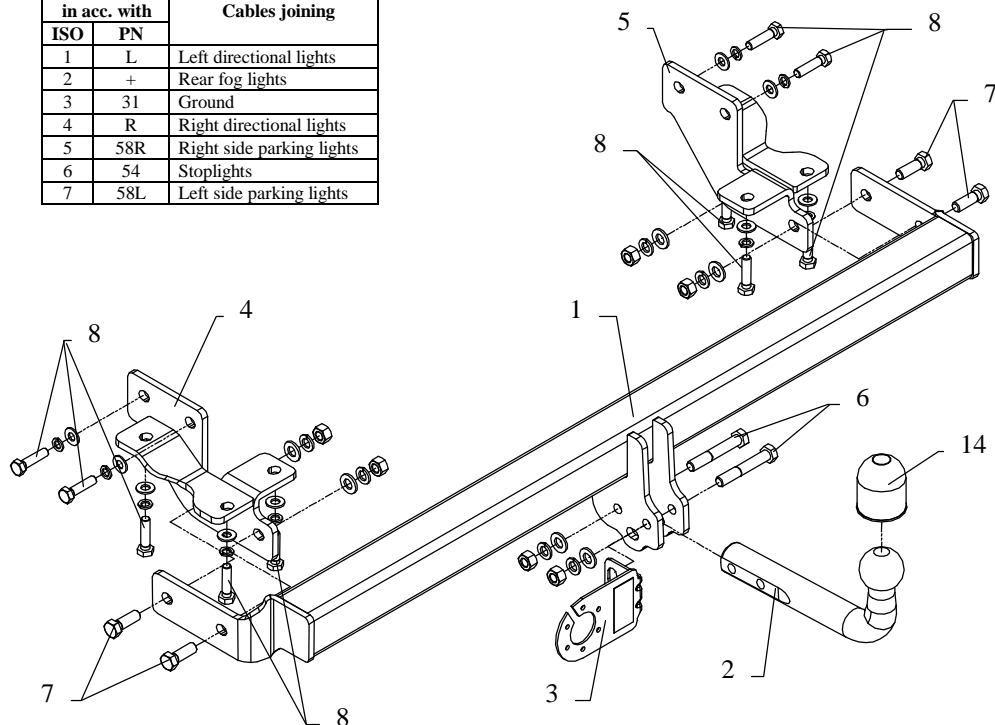


This towbar is designed to assembly in following cars:
**MITSUBISHI SPACE WAGON** produced since 05.1992 till 09.1998 and **HYUNDAI SANTAMO** produced since 1999, catalogue no. **Z24** and is prepared to tow trailers max total weight **1800** kg and max vertical load **90** kg.

### *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.*

## Assemble instruction

1. To install the towbar you don't need to disassemble the bumper.
2. Take lower the spare whell.
3. Unscrew from chassis members original tow handles.
4. In this points (removed handles) screw brackets (pos. 4 and 5) – loosely with bolts M10x1,25x40mm (pos. 8).
5. In the bottom part of the bumper make (in his axis) opening 30x70mm.
6. Between early mounted brackets put main part of the towbar (pos. 1) and screw with bolts M12x35mm (pos. 7).
7. Screw tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x75 mm (pos. 6) from equipment
8. Tighten all bolts according to the torque shown in the table.
9. Connect electric wires of 7-bolts socket according to the instruction of the car. (Recommend to make at authorized service station)
10. Complete paint layer damaged during installation.

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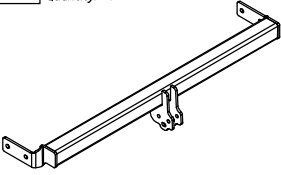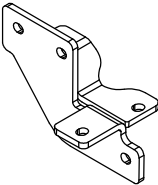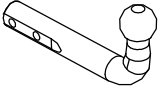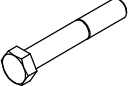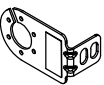
### NOTE

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

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

Towbar equipment:

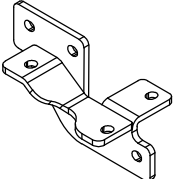| Pos. 1 | Name: Main bar / Quantity: 1 | | Pos. 5 | Name: Right bracket / Quantity: 1 | | Pos. 10 | Name: Plain washer / Quantity: 6 / Dim.: Ø 13 mm |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | Pos. 11 | Name: Plain washer / Quantity: 10 / Dim.: Ø 10,5 mm |
| Pos. 2 | Name: Tow ball / Quantity: 1 | | Pos. 6 | Name: Bolt 8,8 B / Quantity: 2 / Dim.: M12x75mm | | Pos. 12 | Name: Spring washer / Quantity: 6 / Dim.: Ø 12,2 mm |
| Pos. 3 | Name: Socket plate / Quantity: 1 | | Pos. 7 | Name: Bolt 8,8 B / Quantity: 4 / Dim.: M12x35 | | Pos. 13 | Name: Spring washer / Quantity: 10 / Dim.: Ø 10,2 mm |
| Pos. 4 | Name: Left bracket / Quantity: 1 | | Pos. 8 | Name: Bolt 8,8 B / Quantity: 10 / Dim.: M10x1,25x40mm | | Pos. 14 | Name: Ball cover / Quantity: 1 |
| | | | Pos. 9 | Name: Nut 8 B / Quantity: 6 / Dim.: M12 | | | |

**PPUH   AUTO-HAK S.J.**

Produkcja  Haków Holowniczych
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.  **Z 24**

Designed for:
Manufacturer: **MITSUBISHI**
**Model: SPACE WAGON**
produced since 05.1992 till 09.1998
Manufacturer: **HYUNDAI**
**Model: SANTAMO**
produced since 1999

Technical data:
**D**-value:  **9,60 kg**
maximum trailer weight: **1800 kg**
maximum vertical cup load: **90 kg**

**Approval number acc. to regulations EKG/ONZ 55.01:**
**E20-55R-01-01 1191**

### *Foreword*

This towbar is design 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 towinh 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 must not be exceeded.

*D-value formula:*

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