FITTING INSTRCUTION

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

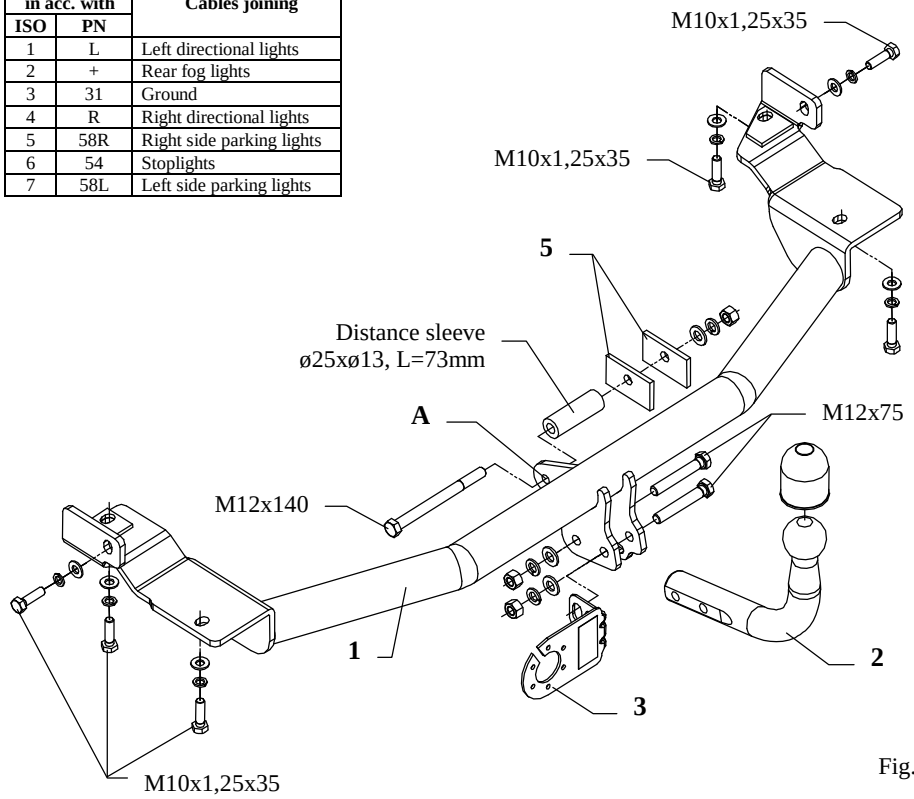


Fig. 1

This towbar is designed to assembly in following car: **MITSUBISHI SPACEWAGON, 5 door, VAN (N80 / N90),** produced since 10.1998 till 2003, catalogue no. **Z27** and is prepared to tow trailers max total weight **1600 kg** and max vertical load **80 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. Disassemble the rear bumper.
2. Take out the spare wheel.
3. Position the main bar of the towbar (pos. 1) to chassis members and fix it through the original holes using bolts M10x1,25x35mm (pos. 8).
4. Through the hole (pos. A) and original towing eye fix using bolt M12x140mm (pos. 6) together with washers (pos. 5) and distance sleeve ø25xø13mm, L=73mm (pos. 4).
5. Cut the bumper according to the fig.2, then reassemble it.

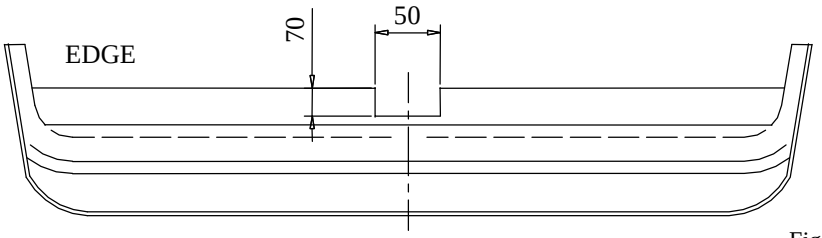


Fig. 2

6. Position the tow-ball (pos. 2) with socket plate (pos. 3) and fix using bolts M12x75mm (pos. 7) from the towbar accessories.
7. Tighten all nuts and bolts according to the torque shown in the table.
8. Connect to the electric wires according to the instructions of the car.
9. Complete the paint cover of towbar (during the mounting paint cover could be damaged).

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

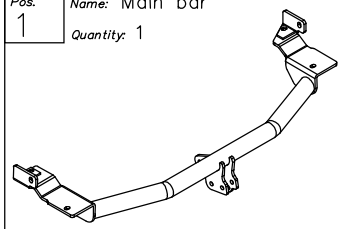
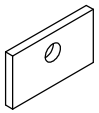
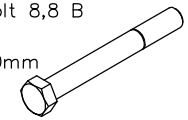
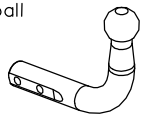
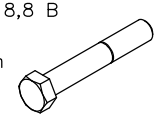
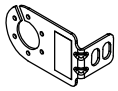
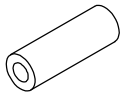
NOTE

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 accessories:

Pos. 1 — Name: Main bar — Quantity: 1 	Pos. 5 — Name: Washer — Quantity: 2 — Dim. : 70x40x6mm 	Pos. 10 — Name: Plain washer — Quantity: 3 — Dim. : ø 13 mm 
	Pos. 6 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x140mm 	Pos. 11 — Name: Plain washer — Quantity: 6 — Dim. : ø 10,5 mm 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 7 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x75mm 	Pos. 12 — Name: Spring washer — Quantity: 3 — Dim. : ø 12,2 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 8 — Name: Bolt 8,8 B — Quantity: 6 — Dim. : M10x1.25x35mm 	Pos. 13 — Name: Spring washer — Quantity: 6 — Dim. : ø 10,2 mm 
Pos. 4 — Name: Distance sleeve — Quantity: 1 — Dim. : ø25xø13xmm L=73mm 	Pos. 9 — Name: Nut 8 B — Quantity: 3 — Dim. : M12 	Pos. 14 — Name: Ball cover — Quantity: 1 

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **Z27**
Designed for:
Manufacturer: **MITSUBISHI**
Model: **SPACEWAGON**
Type: **5 door, VAN (N80 / N90)**
produced since 10.1998 till 2003

Technical data:
D-value: **10,0 kN**
maximum trailer weight: **1600 kg**
maximum vertical cup load: **80 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0620*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 whereat values for the towing hitch cannot be exceeded.
D-value formula:

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