FITTING INSTRICTION

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

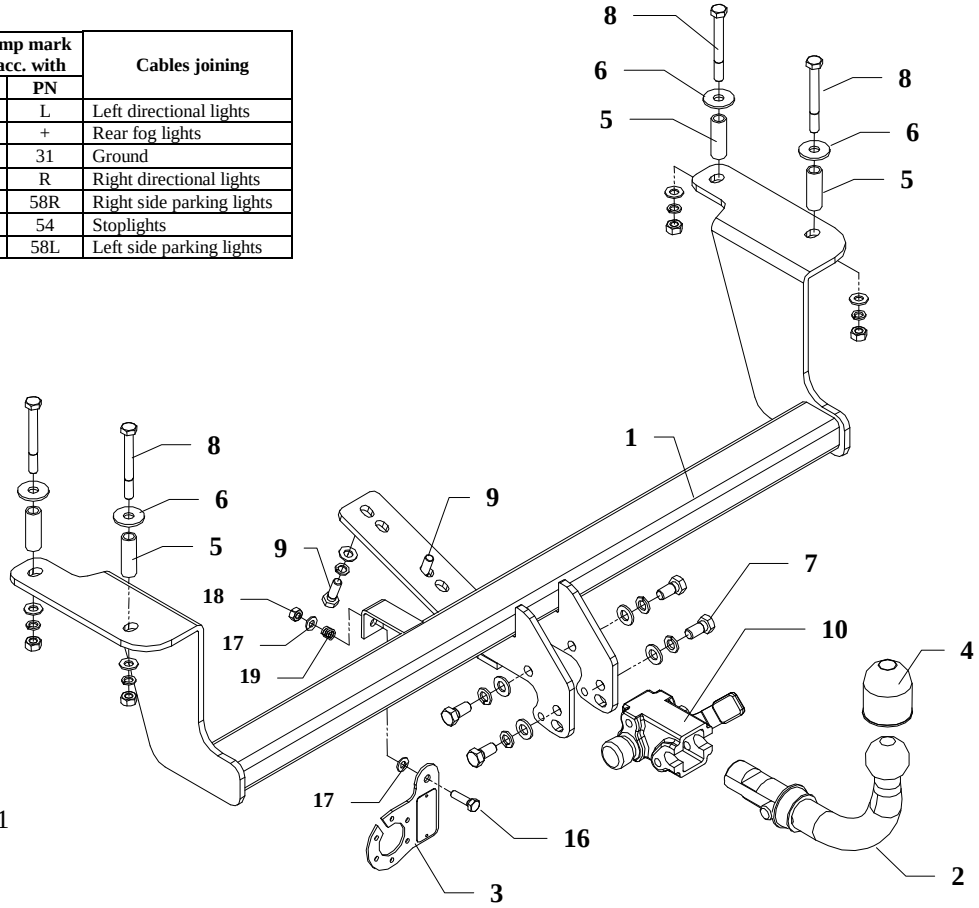


Fig.1

This towing hitch is designed to assembly in following car: **SUZUKI IGNIS 3/5 doors,** produced since 04.2003 (in Hungary), catalogue no. **W19A** and is prepared to tow trailers max total weight **800** kg and max vertical load **50** kg.

From manufacturer

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towing hitch depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towing hitch should be install in points described by a car producer.

The instruction of the assembly

1. To install this towing hitch You should:
   - take out carpet from boot, disassemble covers from side and rear part.
   - unscrew original tow handle (not used any more).
2. From below the car are two holes ø12mm per side (per each chassis members side). Through this holes drill next holes to boot, next drill it again only in boot side using bit ø17 mm (Remember: only from boot and only in boot floor!). In this way prepared holes put distance sleeves L=50 mm (pos. 5) from towing hitch accessories.
3. Put main bar of towing hitch (pos. 1) in that way, so holes in bar agree with holes in chassis members and with holes from original tow handle and screw all using bolts M10x90mm (pos. 8) and M10x35mm (pos. 9) – see figure.
4. Tighten all bolts according to the torque shown in the table.
5. Fix body of the automat (pos. 10) using bolts M12x25mm (pos. 7) from accessories. Place tow-ball (pos. 2) according to supplied instruction.
6. Fix the socket plate (pos. 3) as shown on the drawing.
7. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station)
8. Complete the paint coating damaged during installation.

Torque settings for nuts and bolts (8,8):		
M6 - 11 Nm	**M 8 -** 25 Nm	**M 10 -** 50 Nm
M 12 - 87 Nm	**M 14 -** 138 Nm	**M16** - 210 Nm

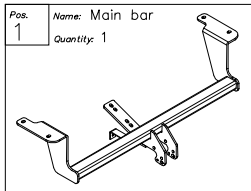
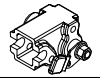
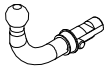
NOTE

After install the towing hitch you should get adequate registration 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 towing hitch must be always kept clear and conserve with a grease.

Towing hitch accessories:

Pos. 1 Name: Main bar Quantity: 1 	Pos. 5 Name: Distance sleeve Quantity: 4 	Pos. 10 Name: Body of the automat Quantity: 1 	Pos. 15 Name: Spring washer Quantity: 6 Dim.: ø 10,2 mm 
	Pos. 6 Name: Washer Quantity: 4 Dim.: ø35xø12x3mm 	Pos. 11 Name: Nut 8 B Quantity: 4 Dim.: M10 	Pos. 16 Name: Bolt 8,8 B Quantity: 1 Dim.: M8x30mm 
Pos. 2 Name: Tow-ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 4 Dim.: M12x25mm 	Pos. 12 Name: Plain washer Quantity: 4 Dim.: ø 13 mm 	Pos. 17 Name: Plain washer Quantity: 2 Dim.: ø 8,5 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 4 Dim.: M10x90 mm 	Pos. 13 Name: Plain washer Quantity: 6 Dim.: ø 10,5 mm 	Pos. 18 Name: Nut 8 B Quantity: 1 Dim.: M8 
Pos. 4 Name: Ball cover Quantity: 1 	Pos. 9 Name: Bolt 8,8 B Quantity: 2 Dim.: M10x35 mm 	Pos. 14 Name: Spring washer Quantity: 4 Dim.: ø 12,2 mm 	Pos. 19 Name: Spring Quantity: 1 

PPUH AUTO-HAK S. 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. **W19A**
Designed for:
Manufacturer: **SUZUKI**
Model: **IGNIS**
Type: **3/5 doors**
produced since 04.2003 (in Hungary)

Technical data:
D-value: **5,1 kN**
maximum trailer weight: **800 kg**
maximum vertical cup load: **50 kg**

Approval number according to Directive 94/20/EC: e20*94/20*1141*00

Foreword

This towing hitch 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 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:

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