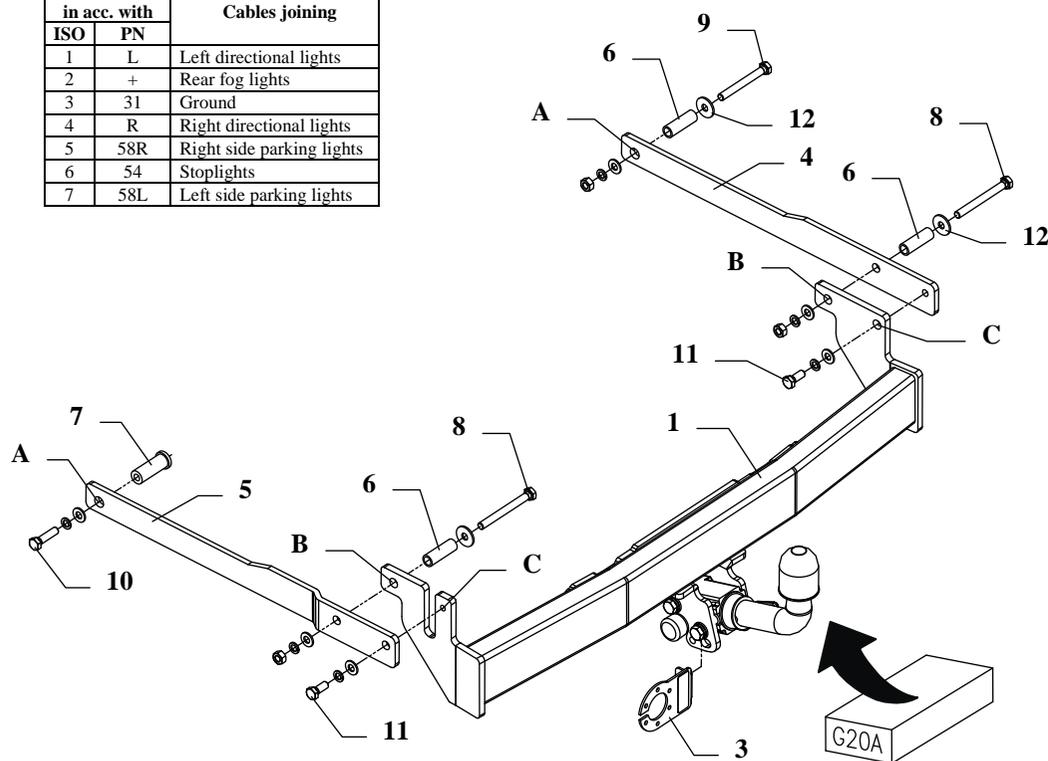


FITTING INSTRUCTION

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	Stoptlights
7	58L	Left side parking lights



This towing hitch is designed to assembly in following cars:
RENAULT SAFRANE, 5 doors, produced since 04.1992 till 12.2001,
 catalogue no. **G20A** and is prepared to tow trailers max total weight
1600 kg and max vertical mass **75 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

- To install the towing hitch one ought to disassemble the bumper.
- Into factory-made holes in chassis members put distance sleeves (pos. 6 and 7) from the towing hitch accessories (see the fig.).
- Through distance sleeves (pos. 6 and 7) with reasonable tight fix side brackets (pos. 4 and 5). Use holes (pos. A) in brackets.
- From the bottom of the car apply the main bar of the towing hitch (pos. 1) and fix through distance sleeves (pos. 6) and holes (pos. B) with installed side brackets (pos. 4 and 5) using bolts M10x100mm (pos. 8).
- Through holes (pos. C) fix side brackets with installed main bar of the towing hitch using bolts M10x25mm (pos. 11).
- Tighten all bolts according to the torque shown in the table.
- In the central point of the bumper (from the bottom) cut out the fragment 50x30mm and then install the bumper.
- Fix body of the automat and place tow-ball according to supplied instruction. Note! Remember to place socket plate (pos. 3) as shown on the drawing 1.
- Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
- 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

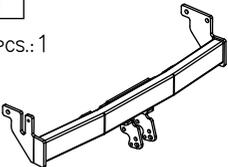
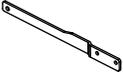
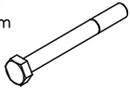
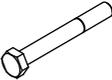
NOTE

After installation of a towing hitch 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 towing hitch must be always kept clear and conserve with a grease.

Towing hitch accessories:

Pos. 1 Main bar PCS.: 1 	Pos. 5 Left bracket PCS.: 1 	Pos. 10 Bolt 8.8 B M10x40mm PCS.: 1 
	Pos. 6 Distance sleeve I ø17x2,35 L=52mm PCS.: 3 	Pos. 11 Bolt 8.8 B M10x25mm PCS.: 2 
Pos. 2 Tow ball PCS.: 1 	Pos. 7 Distance sleeve II PCS.: 1 	Pos. 12 Washer ø30xø10,5x2,5mm PCS.: 3 
Pos. 3 Socket plate PCS.: 1 	Pos. 8 Bolt 8.8 B M10x100mm PCS.: 2 	Pos. 13 Washer ø10,5mm PCS.: 6 
Pos. 4 Right bracket PCS.: 1 	Pos. 9 Bolt 8.8 B M10x90mm PCS.: 1 	Pos. 14 Spring washer ø10,2mm PCS.: 6 
		Pos. 15 Nut 8 B M10 PCS.: 3 



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. **G20A**

Designed for:

Manufacturer: **RENAULT**

Model: **SAFRANE**

Type: **5 doors**

produced since 04.1992 till 12.2001

Technical data:

D-value: 8,91 kN

maximum trailer weight: **1600 kg**

maximum vertical cup load: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0645*00

Foreword

This towing hitch is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be installed 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 mating surfaces of the towing hitch.

The vehicle manufacturer's specifications regarding trailer mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

D-value formula:

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