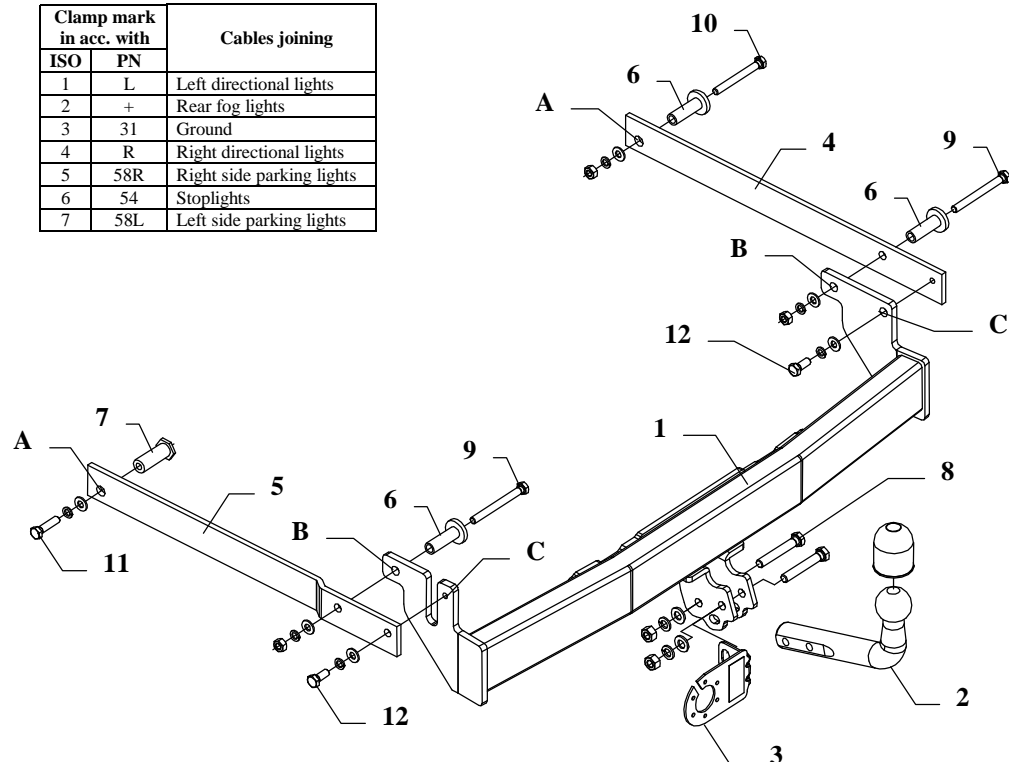


FITTING INSTRUCTION

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:
RENAULT SAFRANE 5 door, produced since 1992 till 2001, catalogue no. **G20** 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 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. To install the towbar one ought to disassemble the bumper.
2. Into factory-made holes in chassis members put distance sleeves (pos. 6 and 7) from the towbar accessories (see the fig.).
3. Through distance sleeves (pos. 6 and 7) with reasonable tight fix side brackets (pos. 4 and 5). Use holes (pos. A) in brackets.
4. From the bottom of the car apply the main bar of the towbar (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. 9).
5. Through holes (pos. C) fix side brackets with installed main bar of the towbar using bolts M10x25mm (pos. 12).
6. Tighten all bolts according to the torque shown in the table.
7. In the central point of the bumper (from the bottom) cut out the fragment 50x30mm and then install the bumper.
8. To so prepared towbar fix tow-ball (pos. 2) and socket plate (pos. 3) by bolts M12x75mm (pos. 8) from accessories.
9. Connect electric wires of 7-poles 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

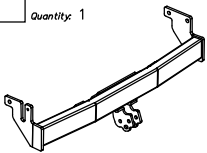
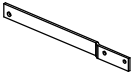
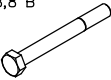

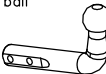








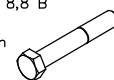


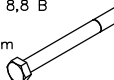


NOTE

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 of exploitation 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: Left bracket Quantity: 1	Pos. 10	Name: Bolt 8,8 B Quantity: 1 Dim.: M10x90mm	Pos. 15	Name: Plain washer Quantity: 2 Dim.: Ø 13 mm
							
Pos. 2	Name: Tow ball Quantity: 1	Pos. 6	Name: Distance sleeve Quantity: 3 Dim.:	Pos. 11	Name: Bolt 8,8 B Quantity: 1 Dim.: M10x40mm	Pos. 16	Name: Plain washer Quantity: 6 Dim.: Ø 10,5 mm
							
Pos. 3	Name: Socket plate Quantity: 1	Pos. 7	Name: Distance sleeve Quantity: 1 Dim.:	Pos. 12	Name: Bolt 8,8 B Quantity: 2 Dim.: M10x25mm	Pos. 17	Name: Spring washer Quantity: 2 Dim.: Ø 12,2 mm
							
Pos. 4	Name: Right bracket Quantity: 1	Pos. 8	Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm	Pos. 13	Name: Nut 8 B Quantity: 2 Dim.: M12	Pos. 18	Name: Spring washer Quantity: 6 Dim.: Ø 10,2 mm
							
		Pos. 9	Name: Bolt 8,8 B Quantity: 2 Dim.: M10x100mm	Pos. 14	Name: Nut 8 B Quantity: 3 Dim.: M10	Pos. 19	Name: Ball cover Quantity: 1
							



PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **G20**

Designed for:

Manufacturer: **RENAULT**

Model: **SAFRANE**

Type: **5 door**

produced since 1992 till 2001

Technical data:

D-value: 8,91 kN

maximum trailer weight: **1600 kg**

maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0644*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, and values for the towing hitch cannot be exceeded.

D-value formula:

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