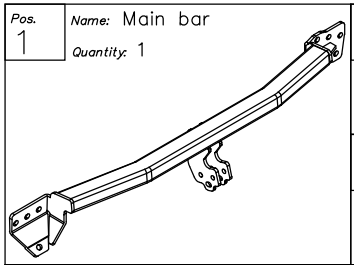
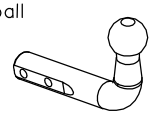
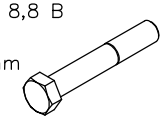
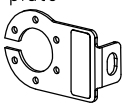
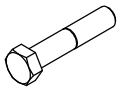
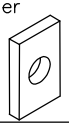
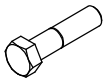
Towbar accessories:

Pos. 1 — Name: Main bar — Quantity: 1 	Pos. 5 — Name: Truncated washer — Quantity: 2 — Dim. : ø58xø13x5mm 	Pos. 10 — Name: Bolt 8,8 B — Quantity: 4 — Dim. : M12x30 mm 
	Pos. 6 — Name: Distance sleeve — Quantity: 2 — Dim. : ø25xø13x6mm 	Pos. 11 — Name: Nut 8 B — Quantity: 10 — Dim. : M12 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 7 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x75 mm 	Pos. 12 — Name: Plain washer — Quantity: 10 — Dim. : ø 13 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 8 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x60 mm 	Pos. 13 — Name: Spring washer — Quantity: 10 — Dim. : ø 12,2 mm 
Pos. 4 — Name: Square washer — Quantity: 2 	Pos. 9 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x50 mm 	Pos. 14 — Name: Ball cover — Quantity: 1 

PPUH AUTO-HAK Sp.J.

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www. autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **V36**
Designed for:
Manufacturer: **NISSAN**
Model: **SUNNY**
Type: **ESTATE (Y10)**
produced since 10.1990 till 2000

Technical data:
D-value: **8,0 kN**
maximum trailer weight: **1600 kg**
maximum vertical cup mass: **75 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0638*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:

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

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

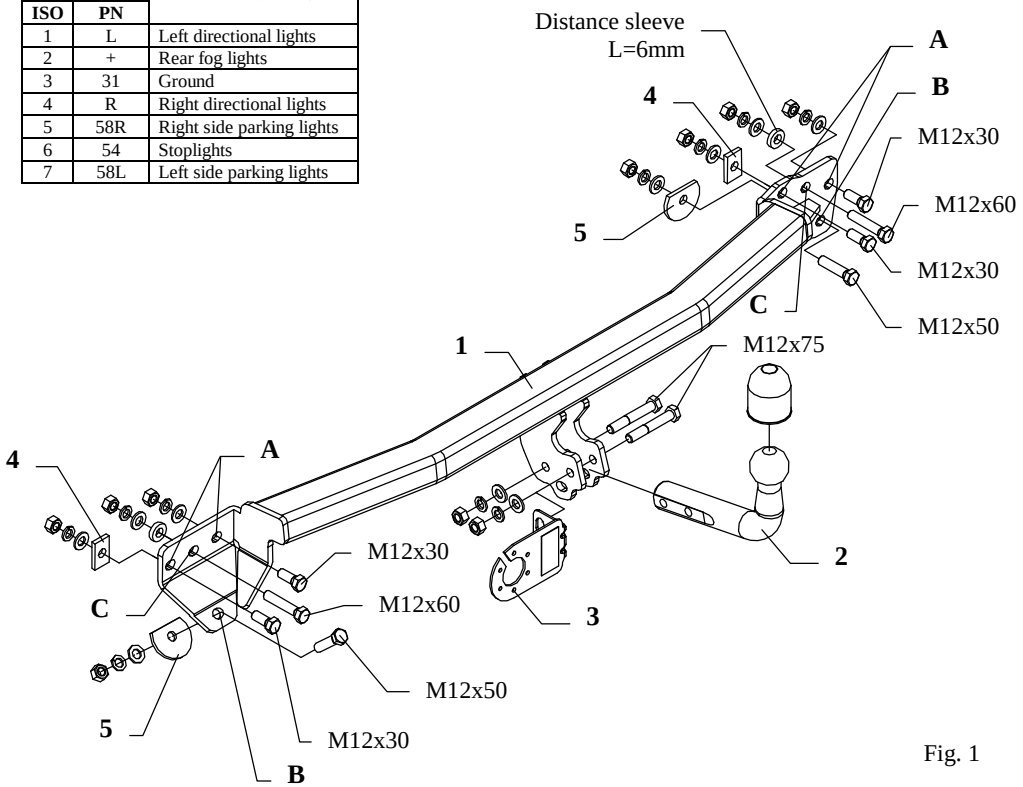


Fig. 1

This towbar is designed to assembly in following cars: **NISSAN SUNNY ESTATE (Y10),** produced since 10.1990 till 2000, catalogue no. **V36** 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. Unscrew the plastic bumper and then cut off the fragment from it, as shown on the fig. 2.
2. Unscrew the metal part of the bumper and then remove four bolts from points (pos. A, see the fig. 1) (use the angular polishing to remove). In the axis of symmetry cut out the fragment 50x55mm, as shown on the fig. 3.
3. Apply the main bar of the towbar (pos. 1) to the back piece and fix through holes (pos. B) using bolts M12x50mm (pos. 9) together with truncate washer (pos. 5).
4. Place four bolts M12x30mm (pos. 10) in holes (pos. A) – do not fix!
5. Through holes (pos. C) drill holes ø13mm and then fix with bolts M12x60mm (pos. 8). Use distance sleeves (pos. 6), as shown on the fig. 1.
6. Remove bolts M12x30mm (pos. 10) from holes (pos. A) and then apply the metal bumper and fix with washer (pos. 4) using bolts M12x30mm (pos. 10).
7. Fix the plastic bumper.
8. Fix tow-ball (pos. 2) with socket plate (pos. 3) using bolts M12x75mm (pos. 7) from accessories.
9. Tighten all bolts according to the torque shown in the table.
10. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
11. Complete paint layer damaged during installation.

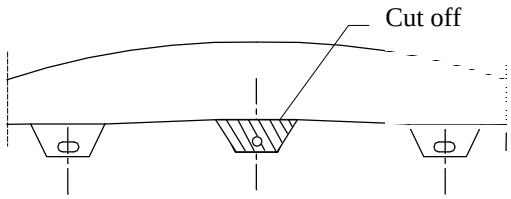


Fig. 2

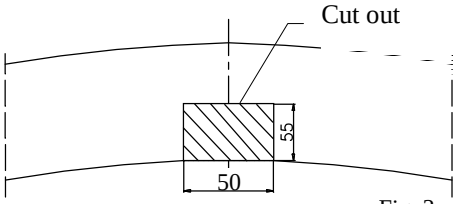


Fig. 3

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.