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

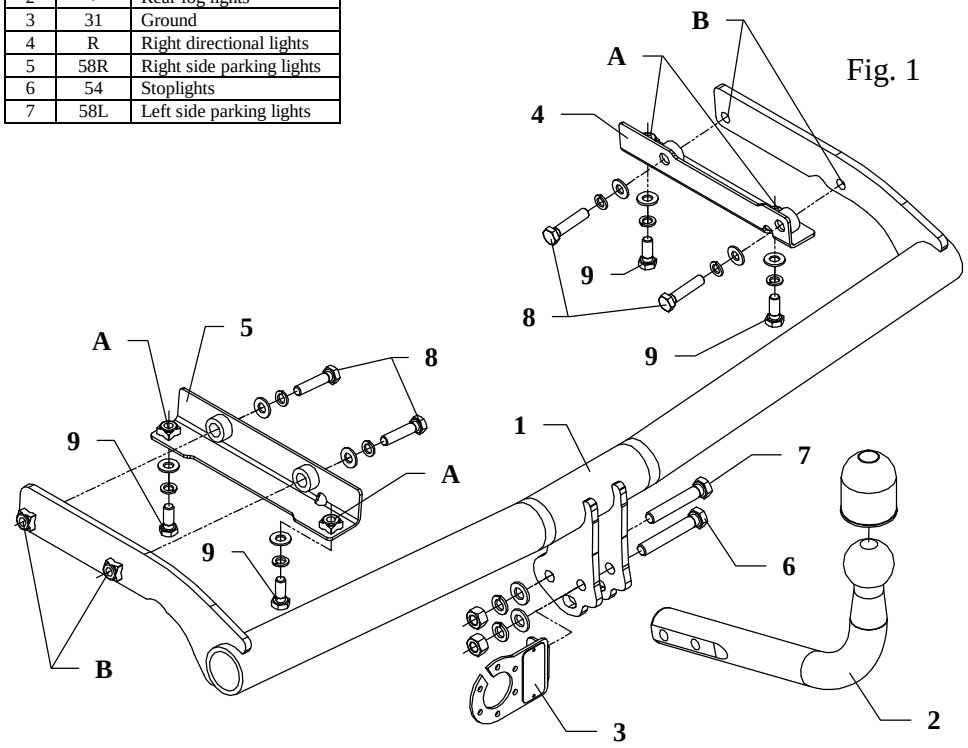


Fig. 1

This towbar is designed to assembly in following cars: **NISSAN NOTE,** produced since 2006, catalogue no. **V65** and is prepared to tow trailers max total weight **1200 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 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 a rear bumper.
2. Disassemble supports of bumper on the left and right side (not used any more).
3. Put fish-plates (pos. 4 and 5) in this way so holes in fish-plates agree with original holes prepared by a car producer. Fish-plates fix loosely in points (pos. A) using bolts M10x25mm (pos. 9) from towbar accessories.
4. Put main bar of the towbar (pos. 1) to chassis frame. Fix using bolts M10x45mm (pos. 8) through holes (pos. B) as shown on the figure 1.
5. Cut out fragment bumper's reinforcement according to figure 2.

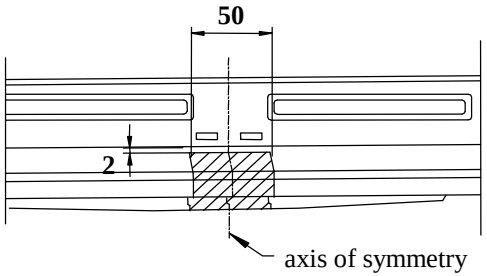


Fig. 2

6. Reassemble a bumper after cut out its fragment (underneath, in axis of symmetry) – width 50mm and depth 70mm.
7. Fix tow ball (pos. 2) using bolt M12x75mm (pos. 6) and M12x70mm (pos. 7). With bolt M12x75mm fix also a socket plate (pos. 3). See figure 1.
8. Tighten all bolts according to the torque shown in the table.
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

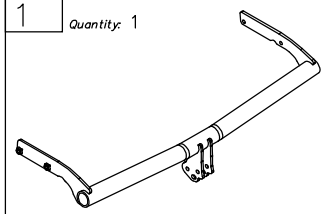
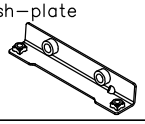
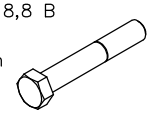
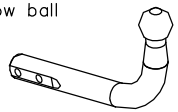
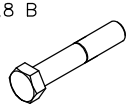
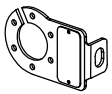
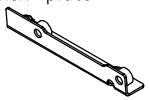
NOTE

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 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 fish–plate — Quantity: 1 	Pos. 10 — Name: Nut 8 B — Quantity: 2 — Dim. : M12 
	Pos. 6 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x75mm 	Pos. 11 — Name: Plain washer — Quantity: 2 — Dim. : ø 13 mm 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 7 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M12x70mm 	Pos. 12 — Name: Plain washer — Quantity: 8 — Dim. : ø 10,5 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 8 — Name: Bolt 8,8 B — Quantity: 4 — Dim. : M10x45mm 	Pos. 13 — Name: Spring washer — Quantity: 2 — Dim. : ø 12,2 mm 
Pos. 4 — Name: Right fish–plate — Quantity: 1 	Pos. 9 — Name: Bolt 8,8 B — Quantity: 4 — Dim. : M10x25mm 	Pos. 14 — Name: Spring washer — Quantity: 8 — Dim. : ø 10,2 mm 
		Pos. 15 — Name: Ball cover — Quantity: 1 

PPUH AUTO-HAK S.J.

Produkcja Haków Holowniczych
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. **V65**
Designed for:
Manufacturer: **NISSAN**
Model: **NOTE**
produced since 2006

Technical data:
D-value: **6,9 kN**
maximum trailer weight: **1200 kg**
maximum vertical cup load: **50 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0187*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:

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