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

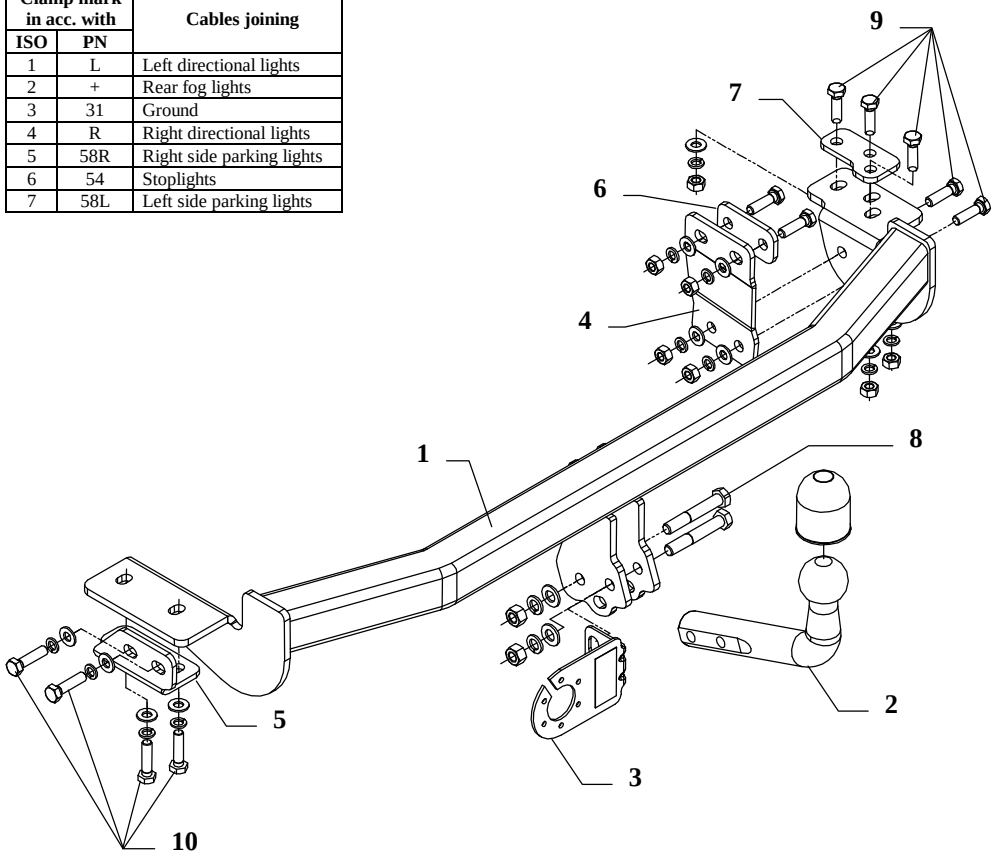


Fig. 1

This towbar is designed to assembly in following car: **NISSAN ALMERA 4 doors, N15,** produced since 1995 till 02.2000, catalogue no. **V08** and is prepared to tow trailers max total weight **1600 kg** and max vertical load **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 exploit. 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 bumper.
2. Get lower a muffler and unscrew thermal shield.
3. Unscrew original tow eye (not used any more).
4. Cut out fragment of bumper as shown in the fig. 2.

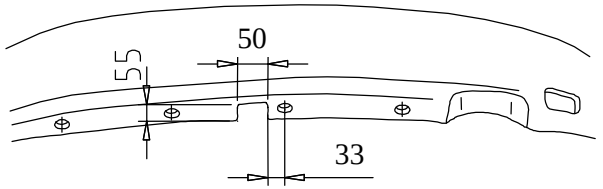


Fig. 2

5. From rear part of car body remove bumper handle (on the right side) – see fig. 3.

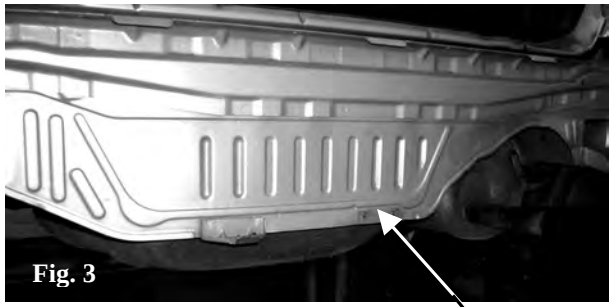


Fig. 3

6. Put main bar of the towbar (pos. 1) to chassis and fix as shown in the fig. 1, use angle element – pos. 5 (left side) and elements pos. 4, 6 and 7 (right side).
7. Assemble the bumper.
8. Fix tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x75mm (pos. 8) from towbar 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 the paint coating 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

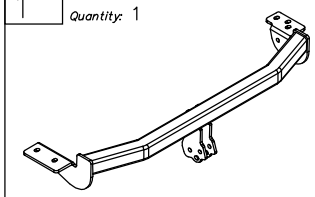
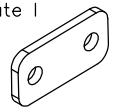
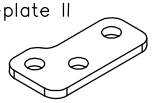
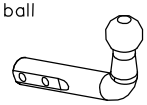
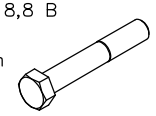
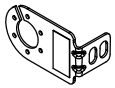
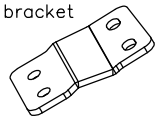
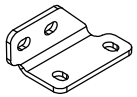
NOTE

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 screws. The ball of towbar must be always kept clear and conserve with a grease.

Towbar accessories:

Pos. 1 — Name: Main bar — Quantity: 1 	Pos. 6 — Name: Fish–plate I — Quantity: 1 	Pos. 12 — Name: Nut 8 B — Quantity: 7 — Dim. : M10 
	Pos. 7 — Name: Fish–plate II — Quantity: 1 	Pos. 13 — Name: Plain washer — Quantity: 2 — Dim. : ø 13 mm 
Pos. 2 — Name: Tow ball — Quantity: 1 	Pos. 8 — Name: Bolt 8,8 B — Quantity: 2 — Dim. : M12x75mm 	Pos. 14 — Name: Plain washer — Quantity: 11 — Dim. : ø 10,5 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 9 — Name: Bolt 8,8 B — Quantity: 7 — Dim. : M10x35mm 	Pos. 15 — Name: Spring washer — Quantity: 2 — Dim. : ø 12,2 mm 
Pos. 4 — Name: Right bracket — Quantity: 1 	Pos. 10 — Name: Bolt 8,8 B — Quantity: 4 — Dim. : M10x1,25x40 	Pos. 16 — Name: Spring washer — Quantity: 11 — Dim. : ø 10,2 mm 
Pos. 5 — Name: Left bracket — Quantity: 1 	Pos. 11 — Name: Nut 8 B — Quantity: 2 — Dim. : M12 	Pos. 17 — Name: Body plug — 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. **V08**
Designed for:
Manufacturer: **NISSAN**
Model: **ALMERA, 4 doors**
Type: **N15**
produced since 1995 till 02.2000

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

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1352

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:

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