FITTING INSTRUCTION

Clamp mark in acc. with ISO PN		Cables joining	
1	L	Left directional lights	
2	+	Rear fog lights	6 — 7
3	31	Ground	$\setminus \times / \setminus$
4	R	Right directional lights	
5	58R	Right side parking lights	
6	54	Stoplights	
7	58L	Left side parking lights	4
-\		9 A	

This towbar is designed to assembly in following cars: **IVECO DAILY metal build-up, loading platform,** produced since 1989 till 04.1999, catalogue number **R13** and is prepared to tow trailers max total weight **3000 kg** and max vertical load **100 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 installing in points described by a car producer.

The instruction of the assembly

- 1. Put angle fish-plates (pos. 6 and 7) on the left and right side to the chassis frame in this way, so holes in fish-plates agree with existing holes in the frame.
- 2. Put side brackets (pos. 4 and 5) underneath the frame and fix with fish-plates (pos. 6 and 7) through holes pos. A and through holes in the frame using bolts M12x35mm (pos. 9).
- 3. Through original holes in the frame of chassis drill holes Ø11mm in side wall of fish-plates (pos. 6 and 7). Then fix it to the frame using bolts M10x30mm (pos. 10)-drilled holes did not shown on the drawing.
- 4. Between mounted side brackets put main bar of the towbar (pos. 1) and fix using bolts M10x30mm (pos. 10).
- 5. Fix tow-ball (pos. 2) using bolts M16x50mm (pos. 8) from accessories. **NOTE:** In dependence of model use agreeable holes in main bar in this way so tow-ball are in correct distance from the car.
- 6. Fix socket plate (pos. 3) using bolt M10x30mm (pos. 10) as shown on the figure.
- 7. Tighten all bolts according to the torque shown in the table.
- 8. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
- 9. 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 install the towbar you should get adequate note in registration book (at authorised service station). The car should be equipped with:

- Indicators
- Tow mirrors

Check all bolts and nuts after **1000 km** of exploitation. The ball of towbar must be always kept clear and conserve with a grease.

Towbar accessories:

Towout decessories.											
Pos. Main bar 1 Pcs.:1	Pas. Left bracket pcs.: 1	Pos. Bolt 8,8 B M10x30mm	T)	Pos. Plain washer 15 ø13mm	0						
	Pos. Right fish-plate 6 Pcs.: 1	Pos. Nut 8 B 11 M16 PCS.: 2		Pos. Plain washer 16 \$\psi 10.5\text{mm}	0						
Pos. 2 Tow ball pcs.: 1	Pos. 7 Lef fish-plate 7 Pcs.: 1	Pos. Nut 8 B 12 M12 Pcs.: 6	©	Pos. Spring washer 916.3mm	(5)						
Pos. 3 Pcs.: 1	Pos. Bolt 8,8 B M16x50mm	Pos. Nut 8 B 13 M10 Pcs.:15	©	Pos. Spring washer #12.3mm	©						
Pos. 1	Pos. Bolt 8,8 B M12x35mm	Pos. Plain washer #17mm PCS.: 2		Pos. Spring washer 910,2mm	©						
				Pos. Ball cover	\bigcirc						



PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: A50-X Cat. no. R13

Designed for:

Manufacturer: IVECO

Model: **DAILY**

Type: metal build-up, loading platform

produced since 1989 till 04.1999

Technical data: **D**-value: **19,1 kN**

maximum trailer weight: 3000 kg maximum vertical cup load: 100 kg

Approval number according to Directive 94/20/EC: e20*94/20*0629*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.

 $D ext{-}value\ formula:$

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