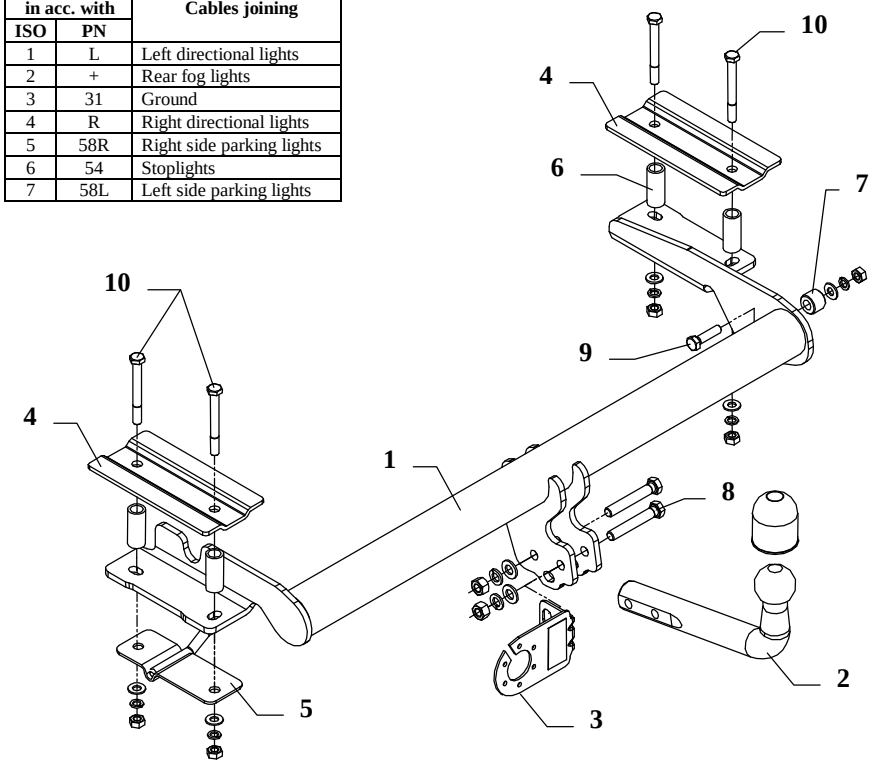
FITTING INSTRUCTION

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: **FORD ORION**, produced since 11.1990 till 07.1993 and **FORD ESCORT, 4 doors**, produced since 08.1993 till 1995, catalogue no. **C40** 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. To install the towbar it is not necessary to take off the bumper.
2. Find original marked places inside the boot on the left and right side, then drill ø24mm.
3. Into so prepared holes put distance sleeves L=50mm (pos. 6) and then apply fish-plates (pos. 4) from the accessories.
4. Position the main bar of the towbar (pos. 1) and fix it through the original holes, sleeves and the fish-plates (pos. 4) using bolts M10x90mm (pos. 10).
5. Fix through the original hole and fabric towing eye on the right side using M10x40mm bolt (pos. 9). Use the sleeve ø25x5mm, L=19mm (pos. 7).
6. Fix tow-ball (pos. 2) and socket plate (pos. 3) by bolts M12x75mm (pos. 8) from accessories.
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):	
M 8 - 25 Nm	**M 10 -** 55 Nm
M 12 - 85 Nm	**M 14 -** 135 Nm

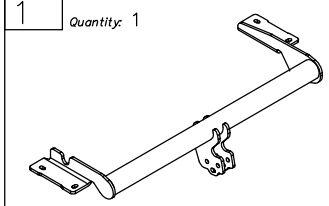
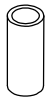
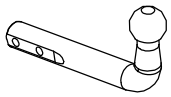
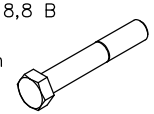
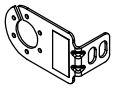
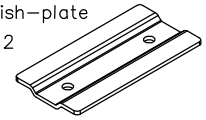
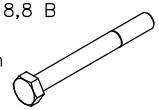
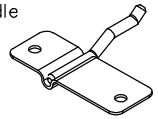
NOTE

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. 6 — Name: Distance sleeve — Quantity: 4 — Dim. : ø21.3x2.6mm, L=50mm 	Pos. 12 — Name: Nut 8 B — Quantity: 5 — Dim. : M10 
	Pos. 7 — Name: Distance sleeve — Quantity: 1 — Dim. : ø25xø13mm, L=19mm 	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: 5 — Dim. : ø 10,5 mm 
Pos. 3 — Name: Socket plate — Quantity: 1 	Pos. 9 — Name: Bolt 8,8 B — Quantity: 1 — Dim. : M10x40mm 	Pos. 15 — Name: Spring washer — Quantity: 2 — Dim. : ø 12,2 mm 
Pos. 4 — Name: Fish–plate — Quantity: 2 	Pos. 10 — Name: Bolt 8,8 B — Quantity: 4 — Dim. : M10x90mm 	Pos. 16 — Name: Spring washer — Quantity: 5 — Dim. : ø 10,2 mm 
Pos. 5 — Name: Handle — Quantity: 1 	Pos. 11 — Name: Nut 8 B — Quantity: 2 — Dim. : M12 	Pos. 17 — Name: Ball cover — Quantity: 1 

PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **C40**
Designed for:
Manufacturer: **FORD**
Model: **ORION**
produced since 11.1990 till 07.1993
Model: **ESCORT**
Type: **4doors**
produced since 08.1993 till 1995

Technical data:
D-value: **6,64 kN**
maximum trailer weight: **1200 kg**
maximum vertical cup load: **50 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0483*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:

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