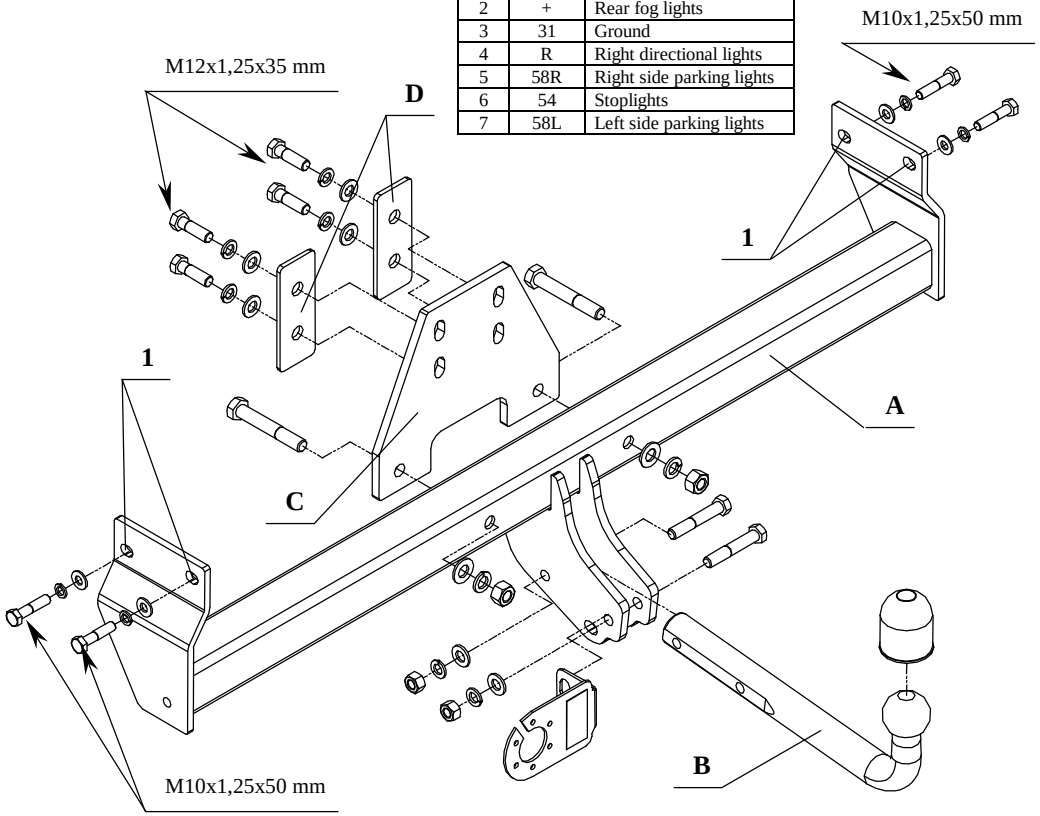
FITTING INSTRUCTION

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: **OPEL FRONTERA 4 doors (UT4),** produced since 12.1991 till 09.1998, catalogue no. **E41** and is prepared to tow trailers max total weight **2800 kg** and max vertical load **112 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 and original towing eye (eye will be not used any more).
2. Disassemble bolts fastening of bumper handles (two on the left and two on the right side – not used any more).
3. Elements of towbar (pos. C and D) fix to bumper's reinforcement through original holes (in car axis).
4. Main bar of the towbar (pos. A) fix in place after disassembled bolts fastening of bumper handles using bolts M10x1,25x50mm. Next fix with element pos. C) by bolts M14x90mm.
5. Reassemble a rear bumper.
6. Fix tow-ball (pos. B) with socket plate using bolts M12x75mm 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.

PPUH AUTO-HAK S.J.

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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **E41**
Designed for:
Manufacturer: **OPEL**
Model: **FRONTERA**
Type: **4 doors (UT4)**
produced since 12.1991 till 09.1998

Technical data:
D-value: **13,3 kN**
maximum trailer weight: **2800 kg**
maximum vertical cup load: **112 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0232*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:

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