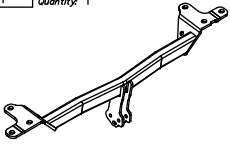
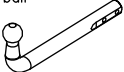


Towing hitch equipment:

Pos. 1 Name: Main bar Quantity: 1	Pos. 6 Name: Right coupler Quantity: 1	Pos. 12 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x1,25x30mm	Pos. 18 Name: Plain washer Quantity: 14 Dim.: Ø 13 mm
	Pos. 7 Name: Left coupler Quantity: 1	Pos. 13 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x40mm	Pos. 19 Name: Plain washer Quantity: 2 Dim.: Ø 10,5 mm
Pos. 2 Name: Tow ball Quantity: 1	Pos. 8 Name: Nut on the jib Quantity: 2	Pos. 14 Name: Bolt 8,8 B Quantity: 2 Dim.: M10x35mm	Pos. 20 Name: Spring washer Quantity: 12 Dim.: Ø 12,2 mm
	Pos. 9 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm	Pos. 15 Name: Nut 8 B Quantity: 2 Dim.: M12	Pos. 21 Name: Spring washer Quantity: 2 Dim.: Ø 10,2 mm
Pos. 3 Name: Socket plate Quantity: 1		Pos. 10 Name: Bolt 8,8 B Quantity: 4 Dim.: M12x1,25x50mm	Pos. 16 Name: Nut 8 B Quantity: 2 Dim.: M10
Pos. 4 Name: Right handle Quantity: 1		Pos. 11 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x1,25x40mm	Pos. 17 Name: Plain washer Quantity: 2 Dim.: Ø 15 mm
Pos. 5 Name: Left handle Quantity: 1		Pos. 22 Name: Ball cover Quantity: 1	Pos. 23 Name: Rubber plug Quantity: 1
			



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Carligh remorcare Suzuki Grand Vitara 2005-2010 semidemontabil Auto-Hak

Class: A50-X Cat. no. **W24**

Designed for:

Manufacturer: **SUZUKI**

Model: **GRAND VITARA**

Type: **3 door**

produced since 2005 till 07.2010

Technical data:

D-value: 8,85 kN

maximum trailer weight: **1600 kg**

maximum vertical cup load: **85 kg**

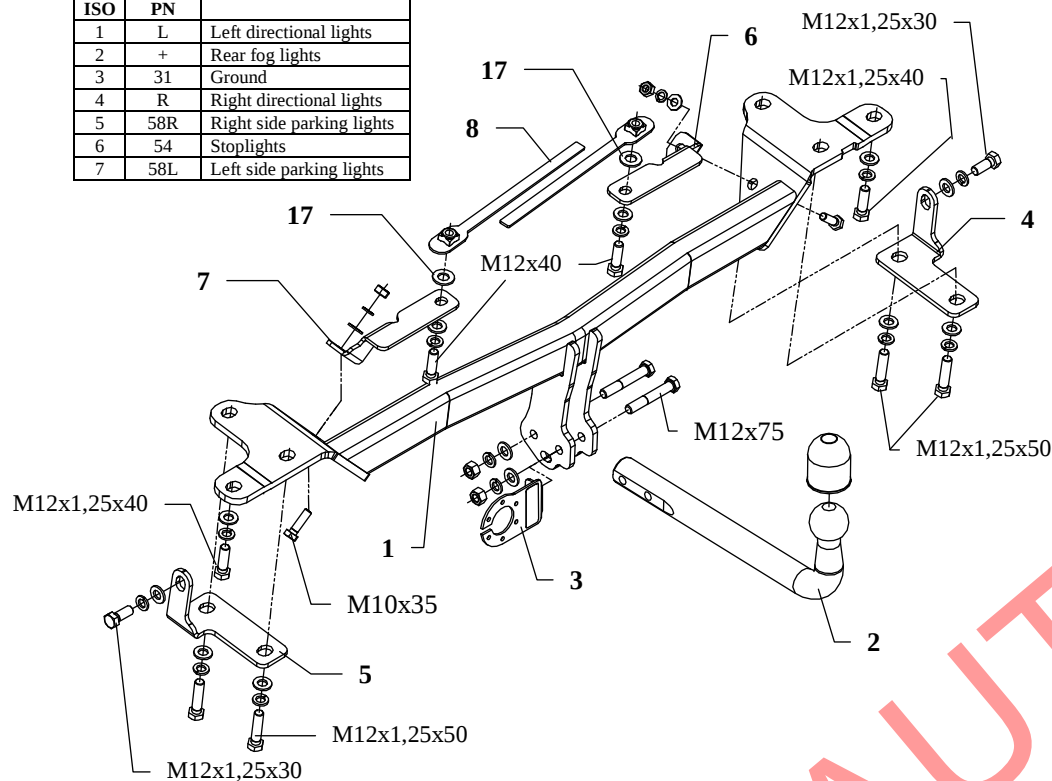
Approval number according to Directive 94/20/EC: e20*94/20*0015*00

Acesta bara de tractare este proiectata în conformitate cu normele de siguranță ale regulilor de circulație. Carlighul de tractare este o componentă de siguranță și poate fi instalata numai de personal calificat. Orice modificare sau transformare facuta asupra cârlighului de remorcare este interzisă și va duce la anularea certificării produsului. Indepartați materialul izolator de sub vehicul (dacă există) in zona de montare a ansamblului. Specificatiile de produs ale autovehiculului referitor la greutatea admisa pe vehicul, sunt extrem de importante. In acelasi timp, sarcina admisa pentru cârlighul de remorcare nu poate fi depășită si poate fi calculata folosind relatia:

$$\frac{\text{Masa maxima a remorcii [kg]} \times \text{Masa maxima a masinii[kg]}}{\text{Masa maxima a remorcii [kg]} + \text{Masa maxima a masinii[kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$

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 towing hitch is designed to assembly in following cars:
SUZUKI GRAND VITARA, 3 door, produced since 2005 till 07.2010, catalogue number **W24** and is prepared to tow trailers max total weight **1600 kg** and max vertical load **85 kg**.

The instruction of the assembly

1. Disassemble original towing eye (right side underneath).
2. Disassemble last muffler and thermal shield. Cut out fragments of thermal shield according to figure 2 then reassemble it..
3. In central part of the bumper (in axis) cut out fragment 50mm width and 25mm depth..
4. According to figure 4 drill hole $\varnothing 28\text{mm}$ underneath the car.
5. Through made hole insert nuts on the jibs (pos. 8) in this way so nuts agree with original holes. Fix loosely couplers (pos. 6 and 7) using bolts M10x35mm (pos. 14). Remember to put washer M14 (pos. 17) between couplers and frame of the car.

6. Hole X blind using rubber plug (pos. 23).
7. Fix main bar of the towing hitch (pos. 1) to the frame of the car using bolts M12x1,25x30mm, M12x1,25x40mm and using bolts M12x1,25x50mm through handles (pos. 4 and 5). On the right side on the handle pos. 4 fix original towing eye.
8. Fix tow-ball (pos. 2) and socket plate (pos. 3) by bolts M12x75mm (pos. 9) from equipment.
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.

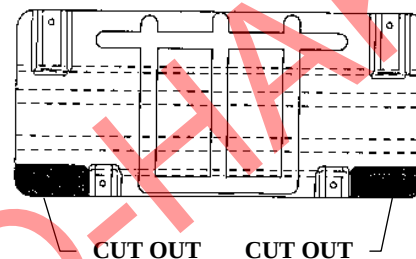


Fig. 2 Thermal shield cut outs

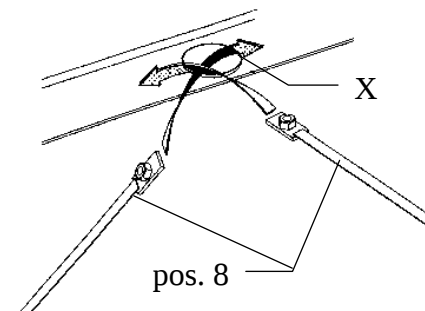


Fig. 3 Jibs placement method

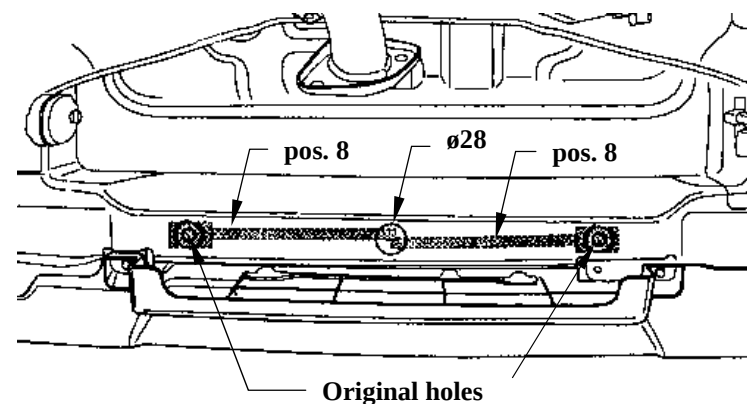


Fig. 4. Jibs placement

NOTE

After install the towing hitch you should get adequate note in registration book (at authorised service station).The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km of exploitation check all bolts and nuts. The ball of towing hitch must be always kept clear and conserve with a grease.