

## Technical Sheet for first interventions



# COLOR FRESNEL 250

### POWER SUPPLY

Step	Symptom	Action	Reference	Action type
1_a	<i>The Projector doesn't go on</i>	Check the main power	1 Tav FR-1	
2_a		Check the fuse AC connector 4A ret.	1 Tav FR-1	
3_a		Check the power cable	1 Tav FR-1	

### *The lamp doesn't go on*

1_b		Check/replace the lamp		
2_b		Check cables		
3_b		Check/replace the ignitor	8 Tav FR-1	
4_B		Check the inductance	6 Tav FR-1	

### ELECTRONIC BOARD




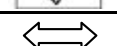


#### *The Display isn't on*

1_c		Voltage pin (5-6) = 13,5Vac	JP10 Sheet 1	
2_c		Check/replace component	U6 sheet 1	
3_c		Replace the Eprom	U1 sheet 1	
4_c		Replace Microprocessor	U5 sheet 1	
5_C		Cech/replace bridge	D7 sheet 1	
6_d		Replace decoder	U7 sheet 1	
7_d		Replace the main board		

#### *The Display is on*


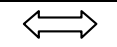

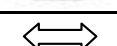
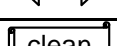
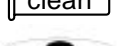
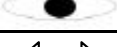
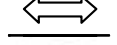
1_e	Incomprehensible numbers	Look points (3_d) (4_d) (6_d) (7_d)		
2_e	The motors aren't moving	Voltage pin (3-4) = 24 Vac	JP10 Sheet 1	
3_e		Replace the main board		

***The projector isn't controllable***

1_f	DMX led is not flashing	Check the internal connection between		
		DMX IN/OUT (2) and JP8 on board	<b>3M_TR</b>	
2_f		Replace ISO1 e/o U9 on the board	<b>3M_TR</b>	
3_f		Tensione pin (1-2) = 9 Vac	<b>JP10 Sheet 1</b>	
4_f		Replace integrator	<b>U6 sheet 1</b>	
5_f	DMX led is flashing	Check the projector addressing	<b>p 11 manuale</b>	
6_f		Replace U7 on the electronic board		

**MOTORS and WHEELS**

***Problems on motors and optic sensors***

1_g	The shutter is losing position	Check/replace motor 10-12	<b>Tav CF-2</b>	
		Replace U 12 check R41-R42=-1ohm	<b>3M_TR</b>	
2_g	The color wheel is losing position	Check/replace motor 16	<b>Tav CF-2</b>	
		Replace U 10 check R43-R44=-1ohm	<b>3M_TR</b>	
3_g	The color wheel isn't resetting	Clean the border of wheel 14	<b>Tav CF-2</b>	
4_g		Check the sensor ref 2	<b>Tav CF-2</b>	
5_g		Replace Q6 on the board		
6_g	The effect wheel is losing position	Check/replace motor 15	<b>Tav CF-2</b>	
7_g		Replace U 29	<b>3M_TR</b>	