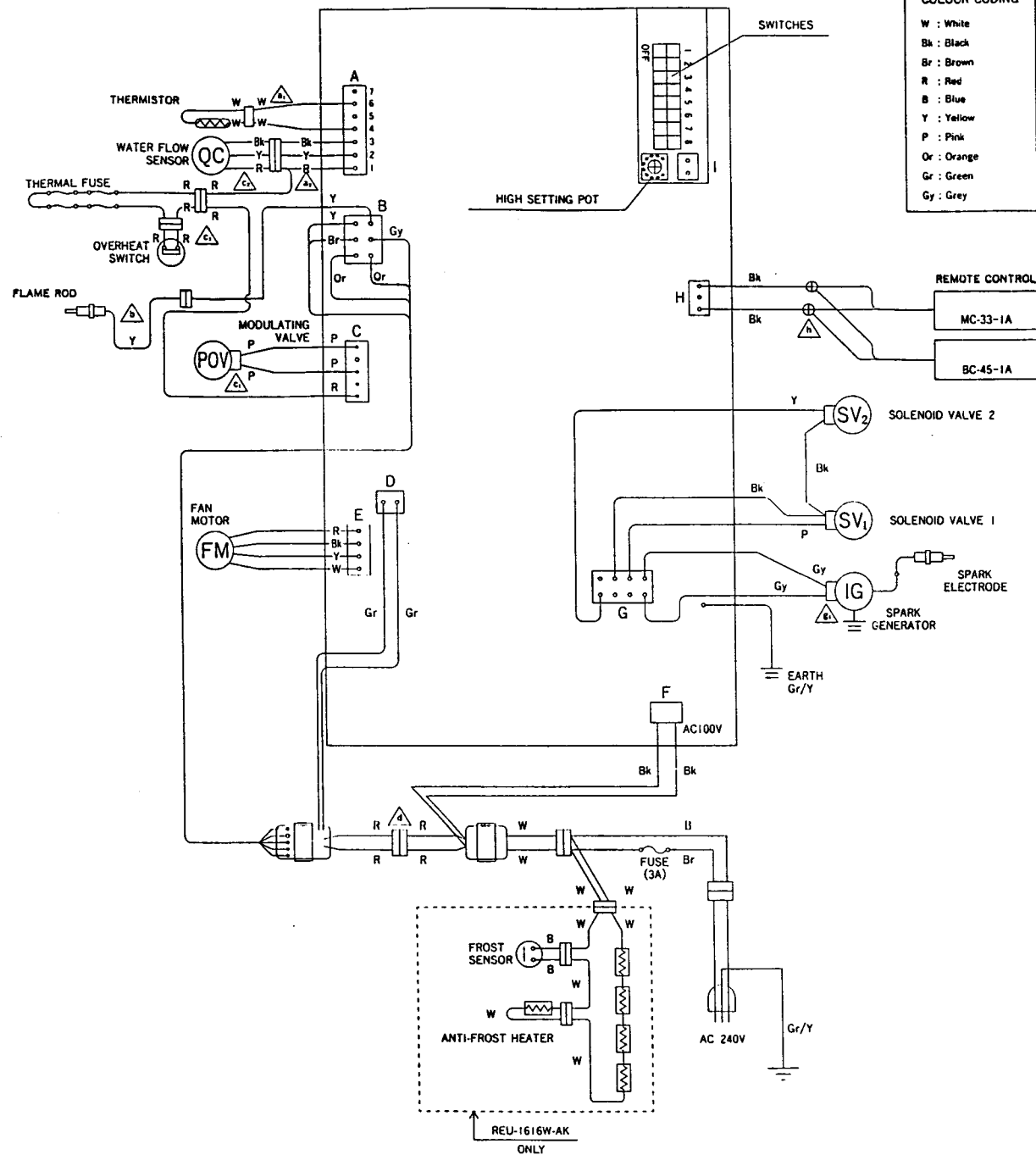


WIRING DIAGRAM



DIAGNOSTIC POINTS

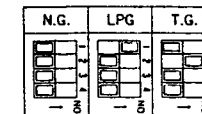
①	△	R - R	AC90-110V	FUSE
②	△	Bk - Bk	DC10-13V	REMOTE CONTROL
③	△	R - Bk	DC11-13V	WATER FLOW SENSOR
④	E	W - Bk	DC2-10V	FAN MOTOR
⑤	I		95-330Hz	
⑥	△	Y-EARTH	AC40-150V (ABOVE DC 1μA)	FLAME ROD
⑦	△	W - W	15°C 11.4-14kΩ 30°C 6.4-7.8kΩ 45°C 3.6-4.5kΩ 75°C 1.4-1.8kΩ	THERMISTOR
⑧	△	R - R	UNDER 1Ω	THERMAL FUSE
⑨	△	R - R	UNDER 1Ω	OVERHEAT SWITCH
⑩	△	Gy - Gy	AC90-110V	SPARK GENERATOR
⑪	G	P - Bk	DC80-100V 1.0-1.5kΩ	SOLENOID VALVE 1
⑫	G	Y - Bk	DC80-100V 1.0-1.5kΩ	SOLENOID VALVE 2
⑬	△	P - P	DC1.2-14V 62-92Ω	MODULATING VALVE

TRANSFORMER NORMAL READINGS

△	R - R	AC90-110V 15-21Ω
D	Gr - Gr	AC16-20V 6-10Ω
B	Or - Or	AC15-30V 4-18Ω
B	Br - Gy	AC30-50V 6-10Ω
B	Y - Gy	AC180-220V 04-06kΩ

GAS PRESSURE SETTING PROCEDURE

1. Check gas type switch is in correct position.



2. Attach pressure gauge to pressure test point.

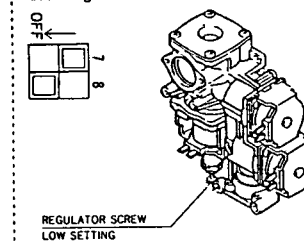
Turn heater on.

3. Set No.7 switch to ON. Remove plug in base of heater for access to regulator screw. Adjust regulator screw on modulating valve.

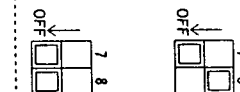
PRESSURE SETTING LOW

NG	0.08 kPa
LPG	0.16 kPa
TG	0.06 kPa

Lock Regulator Screw.



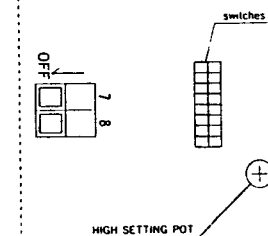
4. Switch NO.7 "OFF" and switch No.8 "ON"



5. Adjust pressure by POT on P.C.B. When completed, switch No.8 to "Off".

PRESSURE SETTING HIGH

NG	0.73 kPa
LPG	1.91 kPa
TG	0.40 kPa



6. Turn heater off.

7. Remove gauge, replace screw.

8. Replace plug in base.