



### AGE OVEN 3 LEGEND

M1 - CIRCULATION BLOWER  
 M2 - COMBUSTION BLOWER  
 M3 - TUGGER  
 LGS - LOW GAS PRESSURE SWITCH  
 HGS - HIGH GAS PRESSURE SWITCH  
 CAS - COMBUSTION AIR SWITCH  
 AFS - RECIRC AIR FLOW SWITCH  
 HL - HIGH TEMP LIMIT SWITCH  
 PT - PURGE TIMER  
 FSG - FLAME SAFEGUARD  
 UV - ULTRA VIOLET SCANNER  
 IT - IGNITION TRANSFORMER  
 PV-1 PILOT GAS VALVE  
 PV-2 PILOT BLOCK GAS VALVE  
 MGVS - MAIN GAS VALVE  
 BGV - BLOCKING GAS VALVE  
 CM - CONTROL MOTOR  
 MCR- EPD RELAY  
 CR-1 BURNER START ENABLE  
 CR-2 BURNER START  
 CR-3 POC HOLDING RELAY  
 CR-4 LOW FIRE START RELAY  
 CB Main Panel Breaker  
 CB-1 Control voltage transformer T1  
 CB-2 6-AMP main control voltage  
 CB-3 1-AMP I/P HUB + 110v outlet  
 CB-4 1-AMP Flame Safeguard Latch circuit  
 CB-5 Islatrol A/C Power Conditioner  
 CB-6 2-AMP PLC-SUPPLY VOLTAGE FOR  
 DRIVEN OUTPUTS

MGV/POC - PROOF OF CLOSURE SWITCH  
 NOTE: MGV-POC N.O. SWITCH CONTACTS ARE  
 TOGGLED TO THE CLOSED POSITION WHEN  
 THE VALVE IS EITHER TRIPPED OR  
 MANUALLY CLOSED. THIS ALLOWS PILOT  
 IGNITION AND OPENS THE N.C. CONTACTS  
 FORBIDDING HIGH FIRE. ONCE PILOT IS  
 PROVEN CR3 LATCHES THE N.O. CONTACTS SO  
 THAT WHEN THE MGV IS OPENED VIA THE  
 MANUAL LEVER THE N.C. CONTACTS CLOSE  
 PICKING CR-4 ENABLING THE COMBUSTION AIR  
 MOD MOTOR TO MODULATE TO A HIGH FIRE  
 POSITION.

CR-2 BURNER START DISABLES TUGGER WHEN  
 ENERGIZED.

### COLOR CODE OF WIRES FROM TOP BURNER

BRN > RECIRC AIR FLOW SWITCH  
 DRN >  
 RED- IGNITION XFMR  
 WHT > A/C NEUTRAL  
 WHT >  
 BLU- PILOT GAS VALVE

PILOT SNSR = GREY SHIELDED CBL

BLU - RED  
 WHT - BLK  
 WHT - NOT USED  
 SHLD - NOT USED