GAS VALVES

1180 — IGN BD 4 — 15W4>1B4-A- — TB5>1B4-L2 — 1B4-V2>GV4 — 1B4-B->GV4 — 1B4-B->GVLT4 — HI FIRE — LOW FIRE — HI FIRE

1080 — IGN BD 3 — 15W3>1B3-A- — TB5>1B3-L2 — 1B2-V2->GV3 — HI FIRE — LOW FIRE — HI FIRE — 1B3-B->GV3

980 — IGN BD 2 — 15W2>1B2-A- — TB5>1B2-L2 — 1B2-V2->GV2 — HI FIRE — LOW FIRE — HI FIRE — 1B2-B->GVLT2

780, 680 — IGN BD 1 — 15W>1B-A- — TB5>1B-L2 — 1B-V2->GV — GAS SOL — 1B-B->GV — 1B-B->GVLT

1B3-B->GVLT3

GAS VALVES

NOTE: AIR SWITCHES ARE LOCATED ON FRONT OF DRYER - NOT IN LARGE STARTER CABINET AS SHOWN.

HL5W4>LGV4 — 42
HL5W4>HGV4 — 40
HL5W3>LGV3 — 42
HL5W3>HGV3 — 40
HL5W2>LGV2 — 42
HL5W2>HGV2 — 40
1B4-B->GVLT4 — 56
1B3-B->GVLT3 — 56
15W4>1B4-A- — 44
1B3-B->GVLT3
15W3>1B3-A- — 44
1B2-B->GVLT2 — 43
1B-B->GVLT — 56
15W2>1B2-A- — 46
15W>1B-A- — 58

1180 — FAN 4 — AIR SW 4 — APSW4>15W4 — TB49>APSW4 — 49
1080 — FAN 3 — AIR SW 3 — APSW3>15W3 — TB49>APSW3 — 57
980, 780, 680 — FAN 2 — AIR SW 2 — APSW2>15W2 — TB60 APSW2 — 60
FAN 1 — AIR SW 1 — APSW>15W — TB52>APSW — 57

NOTE: AIR SWITCHES LOCATED DRYER FRONT

AIR PRESS SWITCHES LOCATED FRONT OF DRYER

T35B4>IN2MS4 — 48
T4SB3>IN3MS3 — 49
APSW3>15W3 — 57
T35B3>IN2MS3 — 48
APSW2>15W2 — 41
T4SB2>IN3MS2 — 60
T35B2>IN2MS2 — 59
T4SB1>IN3MS1 — 52
APSW>15W — 57
T35B1>IN2MS1 — 51
TB5>COIL
HIL4>TB28/4 — 5

TO ½ HP DC MOTOR FRONT OF DRYER
SCR-AR>M-A1 — 63
SCR+AR>M-A2 — 62
GREEN MOTOR CASE GROUND

HIL3>TB28/3
TB28>HIL3
HIL2>TB28 — 28
E STOP>HIL 2 — 10 — EMERGENCY STOP SW.
TB20>E STOP — 20
HIL>TB20
TB25>HIL
UAMSW>TB25 — 25

208, 460, VOLT MAIN - SEE WIRING DIAGRAM ON TRANSFORMER

208 VOLTS 3 ϕ — 115V PLUG — 115VAC>FB — 10 AMP FUSE — FB>LT — 115 PWR LED — HEAT BULB — GROUNDING LUG

DISC AUG — LEVEL AUG — TO CUSTOMER FILL EQUIP.

TB22>UAWSW — S-OL->TB22 — 22

HL5W4>LGV4 — 42
HL5W4>HGV4 — 40
HL5W3>LGV3 — 42
HL5W3>HGV3 — 40
HL5W2>LGV2 — 42
HL5W2>HGV2 — 40
1B4-B->GVLT4 — 56
1B3-B->GVLT3 — 56
APSW4>15W4 — 57
15W4>1B4-A- — 44
APSW3>15W3 — 57
15W3>1B3-A- — 44
1B2-B->GVLT2 — 43
1B-B->GVLT — 56
APSW2>15W2 — 41
15W2>1B2-A- — 46
APSW>15W — 57
15W>1B-A- — 58
T4SB4>IN3MS4 — 49
T35B4>IN2MS4 — 48
T4SB3>IN3MS3 — 49
T35B3>IN2MS3 — 48
T4SB2>IN3MS2 — 60
T35B2>IN2MS2 — 59
T4SB1>IN3MS1 — 52
T35B1>IN2MS1 — 51

#4 BURNER HIGH LOW SWI — #3 BURNER HIGH LOW SWI — #2 BURNER HIGH LOW SWI

IGNITION SWITCH CH3 — 15W2>APLT2

#4 — STOP 3 — START 3 — #2 — STOP 1 — START 1

TB28/4>HIL LT4 — BURNER #4 TERMINAL BLOCK — HIGH LIMIT

1180 JUMPER

TB28/3>HIL LT3 — BURNER #3 TEE BLOCK — HIGH LIMIT

1080 JUMPER

TB23>RLY-8-
TB23>CSW-2-
780, 980 JUMPER
TB28>HIL LT2 — 28

TB24>SOUP B

TO AEM(-), AEM (+) AND CASE GROUND - SCR BD.

TB20>HIL LT — 20
TB25>ON LT — 25

HIGH LIMIT LIGHTS — 2 — 1 — ON

CONT. CIR. ION — RLY-5->TB24

READY — LEVEL AUGER ON — GRAIN FLOW

LA SW1 — LASW>RLY-6- — MAIN RELAY — LASW>DR-IN- — 1-8 TIM. — TB33>RLY-F — TB33 LT — 115V PWR — TB33>CSW-5- — CSW1->RLY-A — RLY-A->TM-7 — RLY-F->TIM-8 — TIM-8->TIM-7 — RLY-6->TIM-7 — TIM-7->RLY-7 — 0-60 TIM. — RLY-8->TM-2- — TIM-3->GF LT.. — TB57>RLY-B-

CONTROL CIRCUIT SW1

HEAT BULB

T35B4>IN2MS4 — 48
T4SB3>IN3MS3 — 49
T35B3>IN2MS3 — 48
T4SB2>IN3MS2 — 60
T35B2>IN2MS2 — 59
T4SB1>IN3MS1 — 52
T35B1>IN2MS1 — 51
TB5>LT — 5
UASW-1->UAS-3 — 47
UASW-4->UAS-2 — 55

THERMOCOUPLE SCHEDULE

MODEL	No.	LEN. INS.	PART NUMBER
980	2	180	1246961
1080	2	180	1246"
1080	1	300	124
1180	2	180	124[illegible]
1180	1	300	1246962
1180	1	400	1246971

SWI SCHEDULE

DRYER	SWITCH POSITIONS
980	5
1080	5
1180	5
2680	8
3180	8
14'X5'	5

8 POSITION SWI P/N 1246960
5 POSITION SWI P/N 1246959

COMPENSATING ALLOY TERMINAL LUGS, 2 REQUIRED. 1 LABELED (CH) P/N 1246975 UNDER YELLOW WIRES. 1 LABELED (AL) P/N 1246974 UNDER RED WIRES.

BURNER — HI LOW SWI — GAS VALVE — AIR PRESS

THERMOCOUPLE TYP SEE SCHEDULE — HI TEMP SHEATH - USE IN PLENUM — SCREW TYPE, 4 LUG TERMINAL STRIP, P/N 1246970 — YELLOW EXTENSION WIRE P/N 1246968 — RED — YELL — YELLOW

OMEGA ROTARY SELECTOR SWITCH — ONE THERMISTER ASSEMBLY SHOWN. TYPICAL DRYER USES TWO IN BASE ½ ONE FOR EACH MODULE. A 3190 WOULD REQUIRE 6 THERM. ASS.

REAR VIEW — DT-8300 DIGITAL THERMOMETER P/N 1246958 — TO 2 > DC — 8.4 VOLT DC POWER SUPPLY — AC AC GD DC — DC>DT+ — YELLOW — RED — RED PAINT MARK — DCT1>SSW+ — DCT2>SSW-

THEERMISTOR LOCATED IN GRAIN COLUMN — TERMINALS LOCATED IN LARGE STARTER CAB — SHIELDED CABLE — 26 — 32 — MCCOOL>LT+ — SWCHOT>LT- — HOT — COOL — THERM — MM — 115 VAC — MEM — AUTO — FB-1-> HOT — 1.0 AMP — MOMEN 2 — DSW — MIC AUTO — BAL POT — CIRCUIT BREAKER - 8 AMP — MAN-OFF-AUTO SW1 — SCR POT — RED — WHITE — POT-3->HI — MC->FIELD — MC+>WIPER — UASW1>DSW — GROUND SHIELDED CABLE AT MM BD.

CB>AC LINE — TB5>AC LINE

⅓ HP DC MOTOR LOCATED FRONT OF DRYER — SCR-AR>M-A1 — SCR+AR>M-A2 — CASE GROUND — GREEN — SCR BD. GRND SCREW — TB21>UASW-5- — UNLOAD AUGER SWITCH — ARM(-) — ARM(+) — LINE — LINE — FIELD — WIPER — SCR BOARD — -ARM>RRIDM — ARM>DM+ — METER P/N 1246936 — ASSEMBLY P/N 1241081

MODEL	PART NO.
1180	
1080	
980	
780	
680	

FARM EQUIPMENT MATHEWS 500 IND CRYSTAL LAKE

STARTING S/N 54875 — 8/8/95 — 6/20/97 UPDATE — S/N 55700

ENG NY — DRAWN A LATZ — DATE 6/20/97 — SCALE — TITLE 80 SERIES DRYERS — MAFE — PART NO. — 4