VANTAGE 322 (KUBOTA) WIRING DIAGRAM G10317 REV: C

ALL CASE FRONT COMPONENTS SHOWN VIEWED FROM REAR

RECTIFIER BRIDGE

CHOPPER PCB3

STATOR AUXILIARY WINDINGS

AUXILIARY POWER LEADS PASS THROUGH TOROID THREE TIMES IN DIRECTION INDICATED

BYPASS FILTER ASSEMBLY

WELDING OUTPUT TERMINAL

L1 CHOKE

MODE SELECTOR SWITCH S5

STATOR 42V WINDING

WIRE FEEDER VOLTMETER SWITCH

SWITCH CONTACTS SHOWN IN "+" POSITION

GROUND STUD IN UPPER CONTROL PANEL

OUTPUT CONTROL R1

ARC CONTROL R2

VIEWED FROM BACK

AMPHENOL 1

AMPHENOL 2

REMOTE CONTROL CONTACTOR

GROUND

VRD OFF/ON SWITCH

CONTACTS SHOWN IN OFF POSITION

VOLTMETER

AMMETER

VRD GREEN

VRD RED

VRD DISPLAY PCB4

ALT

ENG PROT

WELD BOARD PCB3

VOLT METER

CONTROL, MODE SEL.

AMMETER

CHOPPER, POWER, PWM, THERMAL

CONNECTOR ,I.D.

ENGINE,PERIPHERAL

SHUNT

B1 AND FLY LEAD USED ON G8610-1 ONLY; NOT USED ON G5507-4.

IDLER/ENGINE SHUTDOWN P.C. BD.

CB1 50A 3 POLE

CB2 20A

CB3 20A

CB5 10A

CB6 10A

J13 240V 3PH

J10 120/240V

J12

J11

SILVER

GFCI

J70A - P70AB

J70B - P70AB

GROUND STUD ON AUXILIARY POWER RECEPTACLE PANEL

NEUTRAL STUD ON AUXILIARY POWER RECEPTACLE PANEL

ROTOR

POSITIVE BRUSH CONNECTED TO SLIP RING NEAREST TO THE LAMINATION

GLOW PLUGS

GLOW PLUG BUTTON

SHUTDOWN SOLENOID

IDLER SOLENOID

HOLD COIL

PULL COIL

WELDING TERMINAL CONTROL SWITCH

SHOWN IN "ALWAYS ON" POSITION

HOUR METER

IDLER CONTROL SWITCH

SHOWN IN "HIGH" POSITION

START BUTTON

OIL PRESSURE SENSOR & SWITCH

COOLANT TEMPERATURE SENSOR & SWITCH

RUN/STOP SWITCH

SHOWN IN "RUN" POSITION

OIL PRESSURE

COOLANT TEMPERATURE

FUEL

J53

J52

J51

FUEL LVL. SENSOR

STARTER SOLENOID

STARTING MOTOR

ALTERNATOR

12V BATTERY

GENERATOR SUPPORT

ENGINE BLOCK

12 VOLT GROUND STUD ON UPPER CONTROL PANEL

LINCOLN ELECTRIC

CLEVELAND, OHIO, U.S.A.

8/25