

CONTROL PANEL LEGEND

AVR - AUTOMATIC VOLTAGE REGULATOR
 BCH - BATTERY CHARGER
 BR1 - DIODE (FIELD BOOST)
 CB2 - CIRCUIT BREAKER (EXCITATION)
 EC - EMISSIONS CONNECTOR
 F1 - FUSE BAT POWER (15A ATO TYPE)
 HM - HOUR METER
 J2 - CONNECTOR 2 (ON PCB)
 J3 - CONNECTOR 3 (ON PCB)
 R4 - FIELD BOOST RESISTOR 15 OHM
 RL1 - RELAY 1 (START RELAY)
 RL2 - RELAY 2 (ENGINE RUN)
 SW1 - AUTO/OFF/MANUAL SWITCH
 SW2 - SET EXERCISER SWITCH
 TB - TERMINAL BLOCK
 TR1 - TRANSFORMER 1

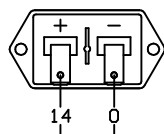
CUSTOMER CONNECTION & ALTERNATOR LEGEND:

BA - BRUSH ASSEMBLY (GENERATOR)
 CB1 - MAINLINE CIRCUIT BREAKER
 NB - NEUTRAL BLOCK
 TB-BC - BATTERY CHARGER TERMINAL BLOCK
 TBG - GTS CONNECT TERMINAL BLOCK
 TBR - RTS CONNECT TERMINAL BLOCK

NOTE: ALL WIRES ARE
 18 AWG UL LISTED UNLESS
 OTHERWISE NOTED AS SHOWN:

SIZE
 (AWG)

HM



F1



13 14 15

PCB J3

NOT USED 1
 NOT USED 2
 BLACK-W1 3 - W1
 RED-W2 4 - W2
 WHITE-W3 5 - W3
 GREEN-W4 6 - W4

PCB J2

AFS OUT 1 - 808
 START RELAY 2 - 56A
 FUEL(RUN) RELAY 3 - 14A
 2 WIRE START(1) 4 - 183
 MOMENT. OPEN 5 - 15E
 2 WIRE START(2) 6 - 178
 MAN/AUTO INPUT 7 - 15A
 16VAC SENSE(1) 8 - 224
 ALARM RELAY 9 -
 XFER RELAY 10 - 23
 MAN. INPUT 11 - 239
 16VAC SENSE(2) 12 - 225
 EMISSIONS ENABLE 13 - 0
 GND-B 14 - 0

RL2

ENGINE RUN

RL1

ENGINE START

TBR

UTILITY FROM T/SW N1
 UTILITY FROM T/SW N2

TRANSFER RELAY 194
 TRANSFER RELAY COIL 23

TBG

REMOTE START 183
 REMOTE START 178

CUSTOMER CONNECTIONS

SW2

SW1

BCH

TR1

EC

TB-BC

L1

N

GND

120 VAC
 UTILITY
 SUPPLY

CUSTOMER CONNECTIONS

R4

BR1

AVR

CB2

TB1

A B

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

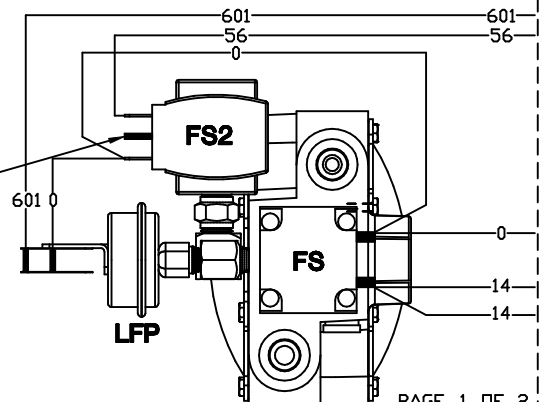
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SINGLE-PHASE STATOR SHOWN.
 FOR 3-PHASE SEE DWG. OF 6839.

CENTER TERMINAL
 NOT USED

STATOR



GROUP G

