

COMPONENTS LOCATED ON ENGINE

STATOR

GOVERNOR ACTUATOR

J5 DETAIL

BLACK
BROWN
YELLOW
ORANGE
RED

DPE

2
6
22
33
44
11
44S
11S

STR

4
3
2
1

P1

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

476
479
480
481
482
398A
399A
23
BLACK
11S
477
478
484
485
483
398B
399B
SHLD
RED
44S

476
479
480
481
482
398A
399A
23
BLACK
11S
477
478
484
485
483
398B
399B
SHLD
RED
44S

476 — J4-1
479 — J4-2
480 — J4-3
481 — J4-4
482 — J4-5
398A — SPLICE 2
399A — SPLICE 3
23 — TB1
BLACK — PS
11S — SPLICE 6
477 — J4-6
478 — J4-7
484 — J4-8
485 — J4-9
483 — J4-10
398B — SPLICE 4
399B — SPLICE 5
SHLD — PS
RED — PS
44S — SPLICE 7

IM1
IM2
SP1
SP2
MAG
HOT
LOP
FS

18
85
86
0
14
0

18
85
86
0
14
0

18 — J2-7
85 — J1-11
86 — J1-12
0 — GND
14 — J2-4
0 — GND

16
13
13
13
16

16
13
13
16

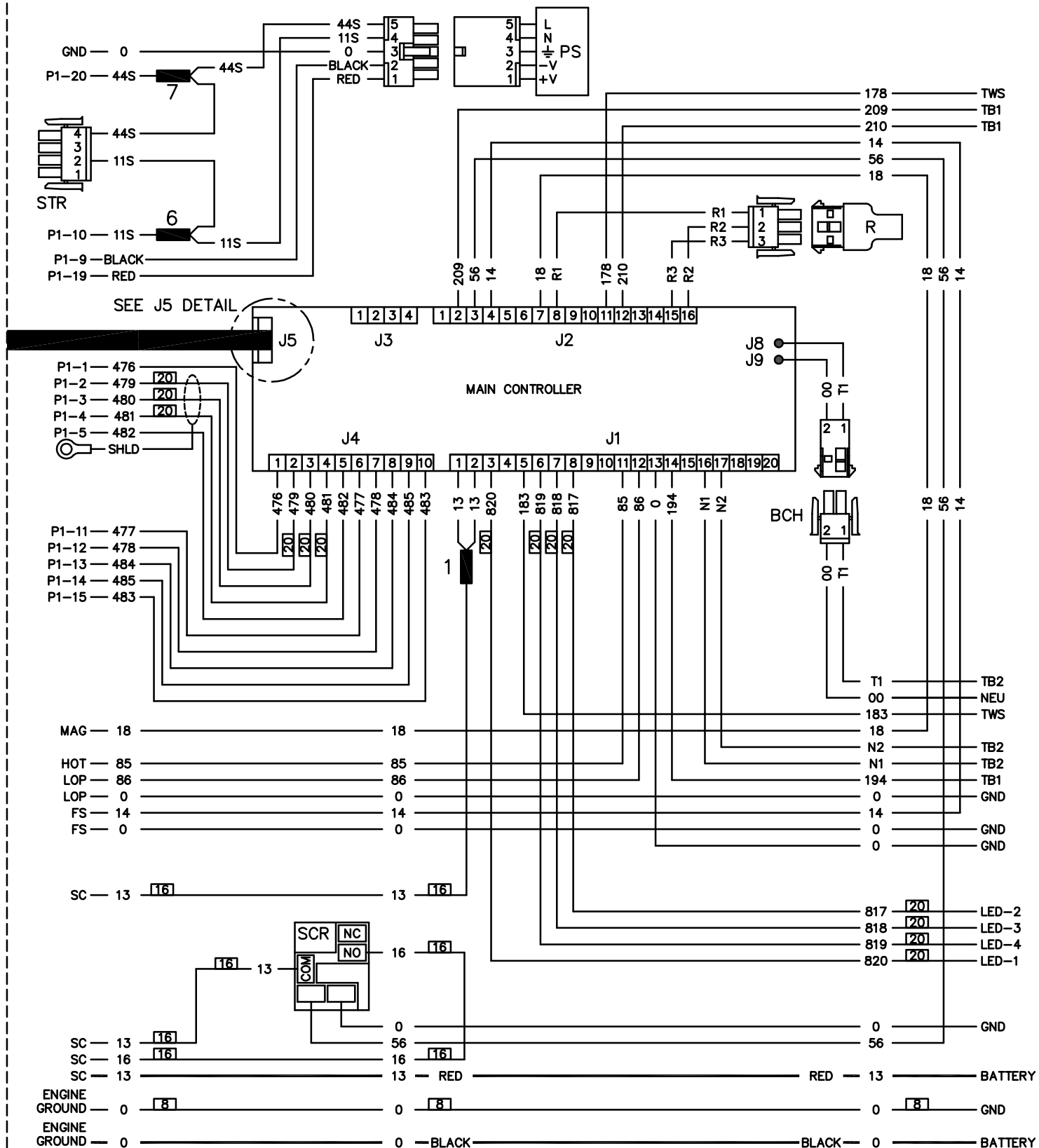
16 — SPLICE 1
16 — SCR
13 — SCR
RED — BATTERY

CHASSIS GROUND
ENGINE GROUND

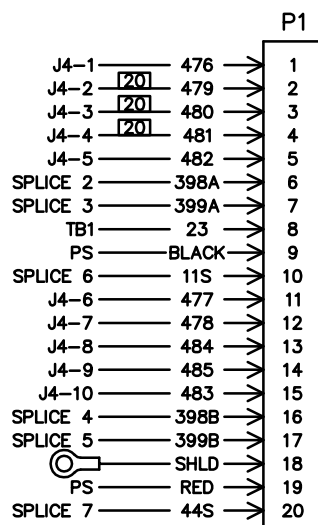
0
0

BLACK — 0 — BATTERY

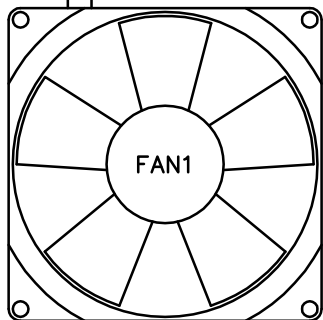
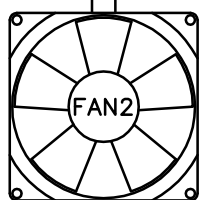
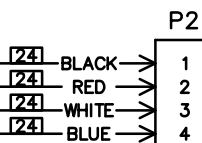
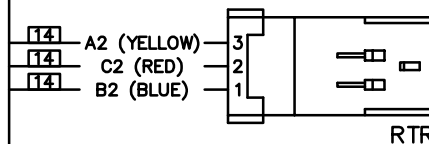
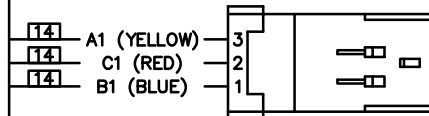
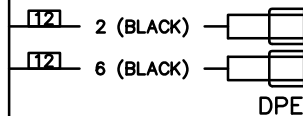
COMPONENTS LOCATED IN CONTROL PANEL



AVR INTERCONNECTS

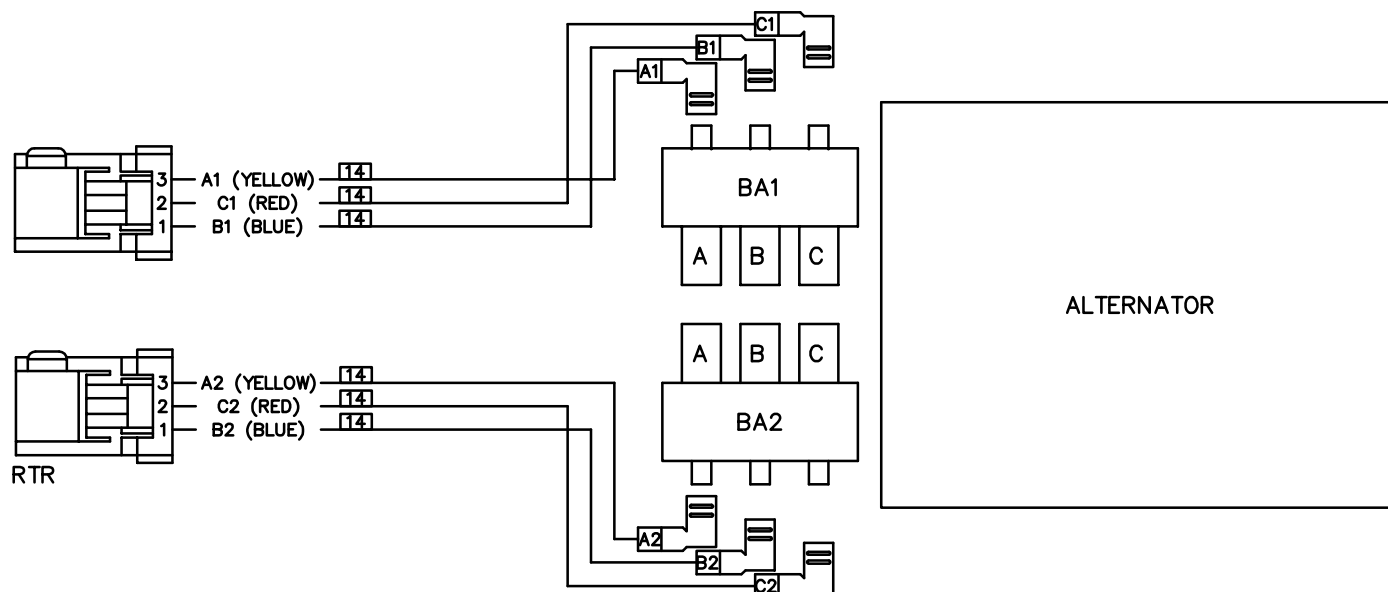


AVR



FAN ASSEMBLY

AVR INTERCONNECTS



LEGEND

AVR - AUTOMATIC VOLTAGE REGULATOR
 BA_ - BRUSH ASSEMBLY
 BCH - BATTERY CHARGER
 CB1 - CIRCUIT BREAKER (MAIN OUTPUT)
 CB2 - CIRCUIT BREAKER (GFCI)
 CT_ - CURRENT TRANSFORMER
 DPE - DISPLACED PHASE EXCITATION
 FAN1 - AC FAN
 FAN2 - DC FAN
 FS - FUEL SOLENOID
 GFCI - GROUND FAULT CIRCUIT INTERRUPT
 GND - GROUND
 HOT - HIGH OIL TEMPERATURE SWITCH
 IM_ - IGNITION MODULE
 J_ - MAIN CONTROLLER CONNECTIONS
 LED - LED BOARD

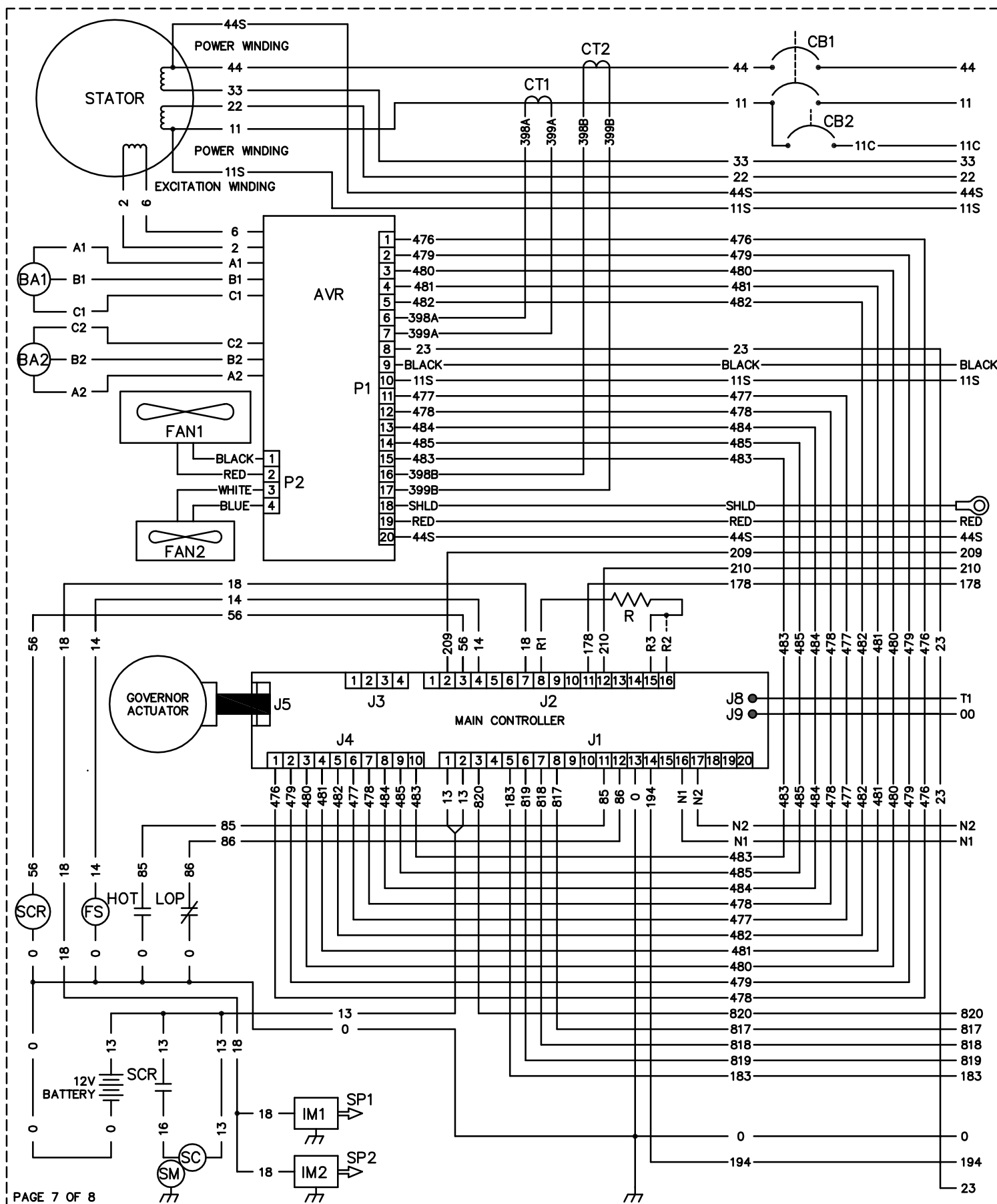
LOP - LOW OIL PRESSURE SWITCH
 MAG - MAGNETO
 NEU - NEUTRAL
 P_ - AVR CONNECTIONS
 PS - AC/DC POWER SUPPLY
 R - RESISTOR
 RTR - ROTOR
 SC - STARTER CONTACTOR
 SCR - STARTER CONTROL RELAY
 SHLD - SHIELD
 SM - STARTER MOTOR
 SP_ - SPARK PLUG
 STR - STATOR
 TB_ - TERMINAL BLOCK
 TWS - TWO WIRE START

NOTE: ALL WIRES 18 AWG
300V UL LISTED UNLESS
SHOWN OTHERWISE.

12 AWG SIZE

2
 WIRE SPLICED
 SPLICE NUMBER

PAGE LEFT INTENTIONALLY BLANK



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SCHEMATIC - DIAGRAM

2013 15KW HSB VSCF ECOGEN

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