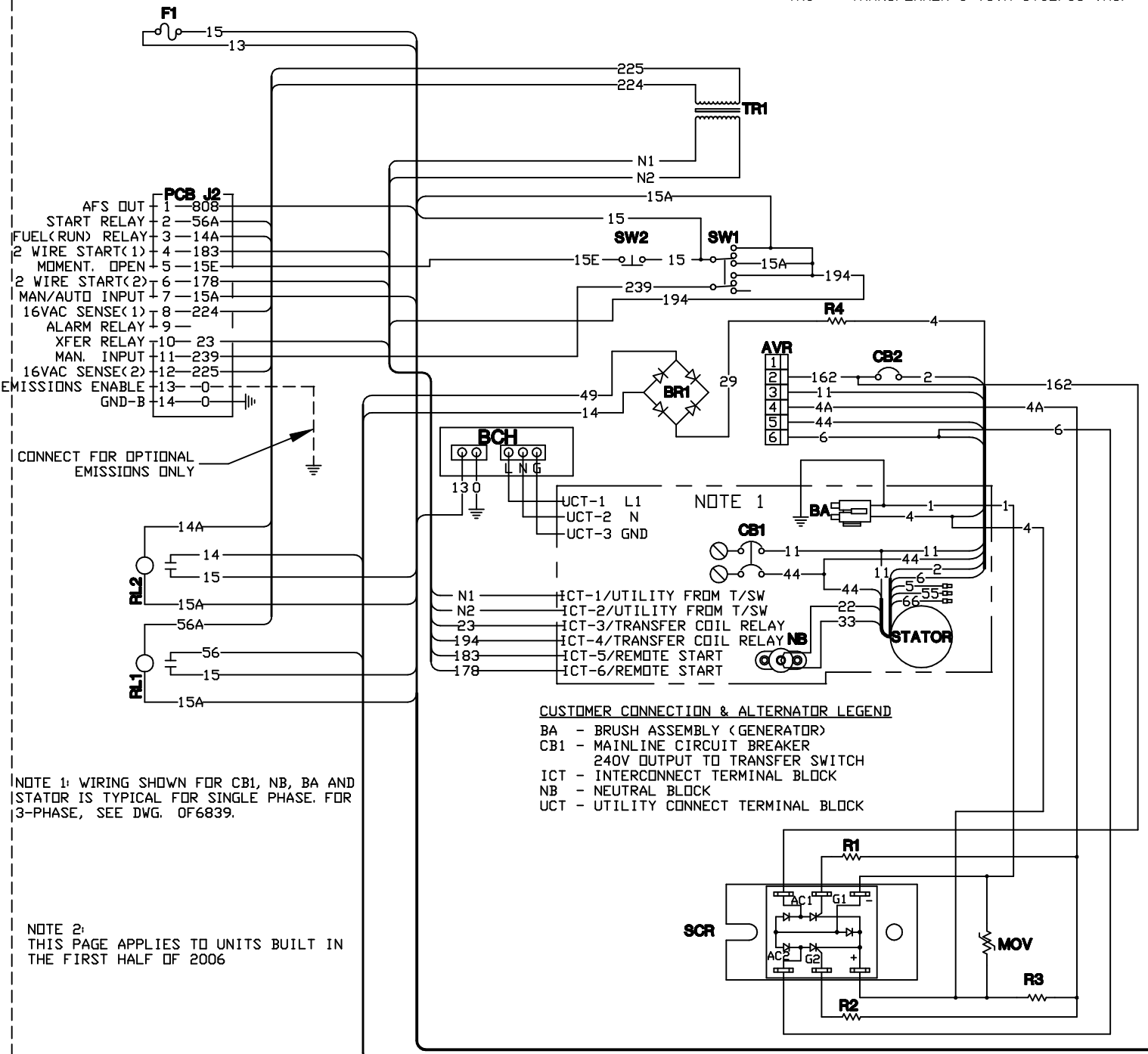


PCB J3

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

CONTROL PANEL LEGEND

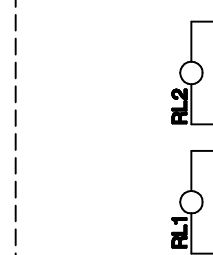
- AVR - AUTOMATIC VOLTAGE REGULATOR
- BCH - BATTERY CHARGER
- BR1 - BRIDGE RECTIFIER
- CB2 - CIRCUIT BREAKER (EXCITATION)
- F1 - FUSE, BAT POWER (15A ATD TYPE)
- J2 - CONNECTOR 2 (ON PCB)
- J3 - CONNECTOR 3 (ON PCB)
- MOV - VARISTOR 680V
- R1, 2 - 820 OHM RES
- R3 - 470 OHM RES
- R4 - FIELD BOOST RESISTOR
- RL1 - RELAY 1 (START RELAY)
- RL2 - RELAY 2 (ENGINE RUN)
- SCR - SCR BRIDGE
- SW1 - AUTO/OFF/MANUAL SWITCH
- SW2 - SET EXERCISER SWITCH
- TR1 - TRANSFORMER 1 (6VA UTIL/16 VAC)



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

CONNECT FOR OPTIONAL EMISSIONS ONLY



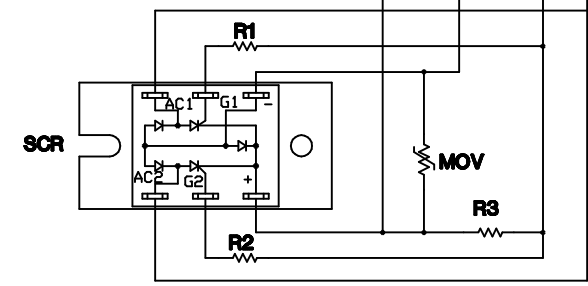
NOTE 1: WIRING SHOWN FOR CB1, NB, BA AND STATOR IS TYPICAL FOR SINGLE PHASE. FOR 3-PHASE, SEE DWG. OF 6839.

NOTE 2: THIS PAGE APPLIES TO UNITS BUILT IN THE FIRST HALF OF 2006

- NOTE 1**
- UCT-1 L1
 - UCT-2 N
 - UCT-3 GND
 - N1 ICT-1/UTILITY FROM T/SW
 - N2 ICT-2/UTILITY FROM T/SW
 - 23 ICT-3/TRANSFER COIL RELAY
 - 194 ICT-4/TRANSFER COIL RELAY
 - 183 ICT-5/REMOTE START
 - 178 ICT-6/REMOTE START

CUSTOMER CONNECTION & ALTERNATOR LEGEND

- BA - BRUSH ASSEMBLY (GENERATOR)
- CB1 - MAINLINE CIRCUIT BREAKER
- ICT - INTERCONNECT TERMINAL BLOCK
- NB - NEUTRAL BLOCK
- UCT - UTILITY CONNECT TERMINAL BLOCK



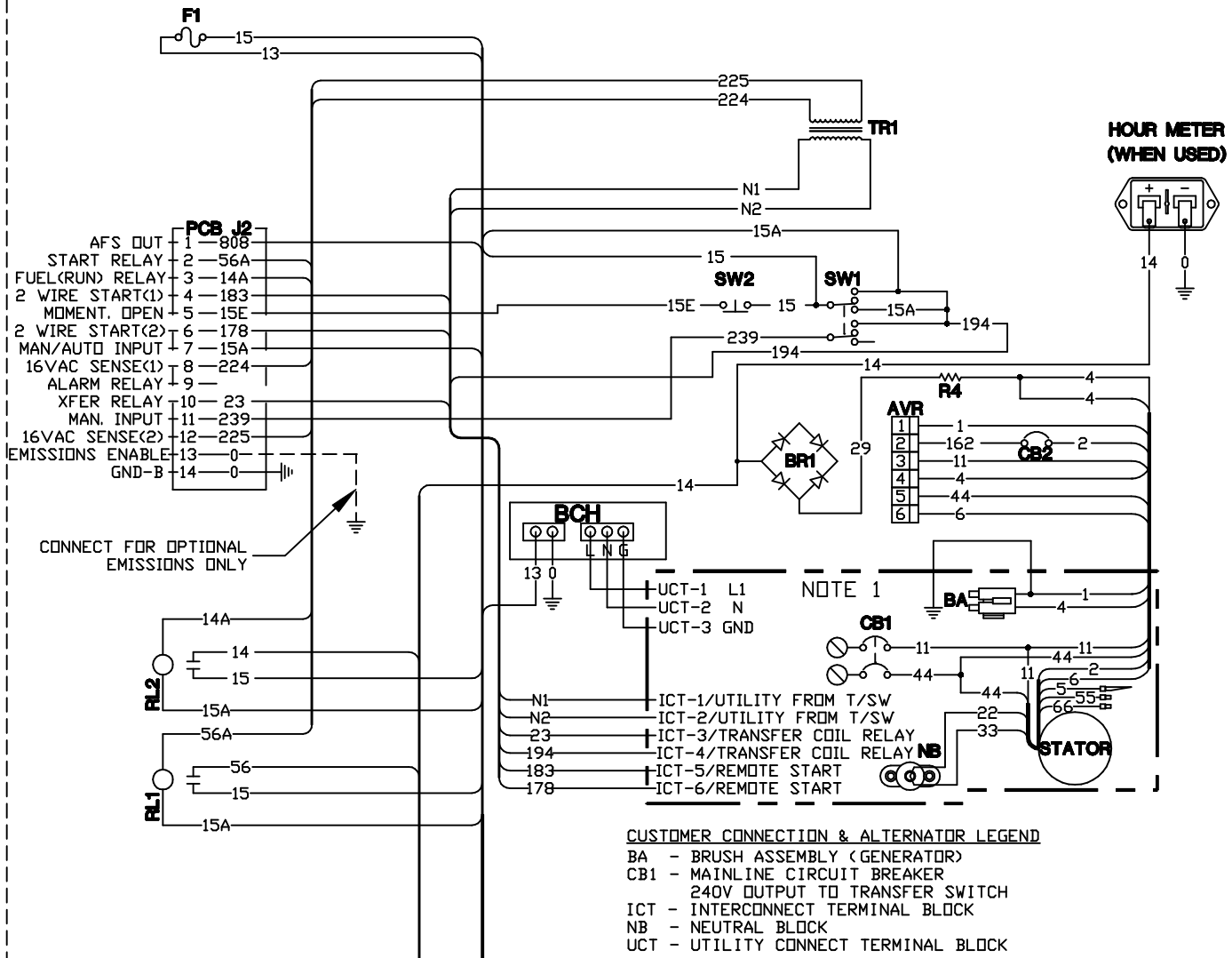
SCHEMATIC - DIAGRAM

PCB J3

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

CONTROL PANEL LEGEND

- AVR - AUTOMATIC VOLTAGE REGULATOR
- BCH - BATTERY CHARGER
- BR1 - BRIDGE RECTIFIER
- CB2 - CIRCUIT BREAKER (EXCITATION)
- F1 - FUSE, BAT POWER (15A ATO TYPE)
- J2 - CONNECTOR 2 (ON PCB)
- J3 - CONNECTOR 3 (ON PCB)
- R4 - FIELD BOOST RESISTOR
- RL1 - RELAY 1 (START RELAY)
- RL2 - RELAY 2 (ENGINE RUN)
- SW1 - AUTO/OFF/MANUAL SWITCH
- SW2 - SET EXERCISER SWITCH
- TR1 - TRANSFORMER 1 (6VA 240/16 VAC)

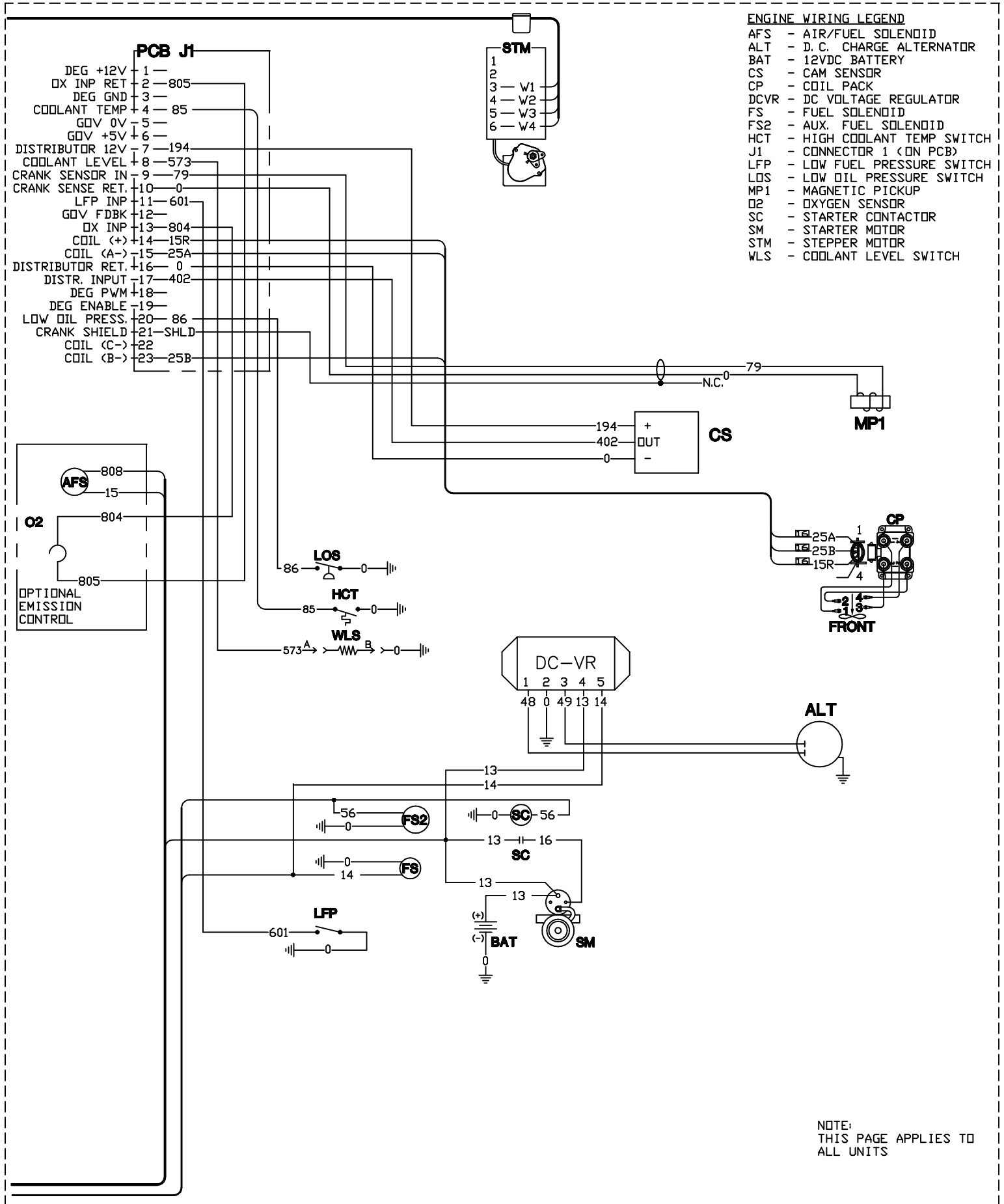


CUSTOMER CONNECTION & ALTERNATOR LEGEND

- BA - BRUSH ASSEMBLY (GENERATOR)
- CB1 - MAINLINE CIRCUIT BREAKER
- ICT - INTERCONNECT TERMINAL BLOCK
- NB - NEUTRAL BLOCK
- UCT - UTILITY CONNECT TERMINAL BLOCK

NOTE 1:
WIRING SHOWN FOR CB1, NB, BA AND STATOR IS TYPICAL FOR SINGLE PHASE. FOR 3-PHASE, SEE DWG. OF6839.

NOTE 2:
THIS PAGE APPLIES TO UNITS BUILT AFTER JUNE 2006



ENGINE WIRING LEGEND

- AFS - AIR/FUEL SOLENOID
- ALT - D. C. CHARGE ALTERNATOR
- BAT - 12VDC BATTERY
- CS - CAM SENSOR
- CP - COIL PACK
- DCVR - DC VOLTAGE REGULATOR
- FS - FUEL SOLENOID
- FS2 - AUX. FUEL SOLENOID
- HCT - HIGH COOLANT TEMP SWITCH
- J1 - CONNECTOR 1 (ON PCB)
- LFP - LOW FUEL PRESSURE SWITCH
- LOS - LOW OIL PRESSURE SWITCH
- MP1 - MAGNETIC PICKUP
- O2 - OXYGEN SENSOR
- SC - STARTER CONTACTOR
- SM - STARTER MOTOR
- STM - STEPPER MOTOR
- WLS - COOLANT LEVEL SWITCH

NOTE:
THIS PAGE APPLIES TO
ALL UNITS

SCHEMATIC - DIAGRAM

1.6L 2-POLE

DRAWING #: 0G1042

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