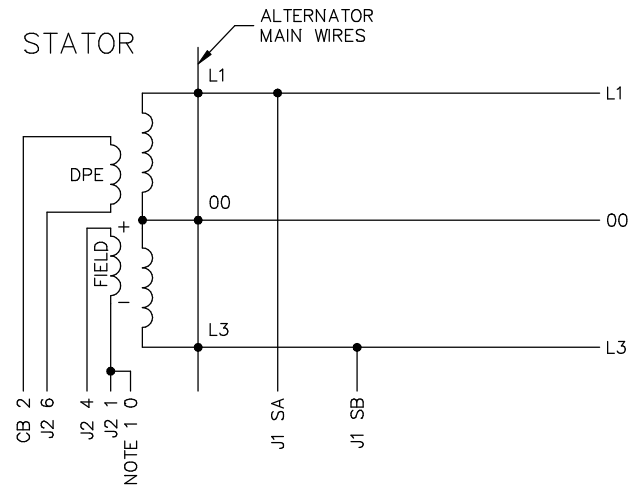
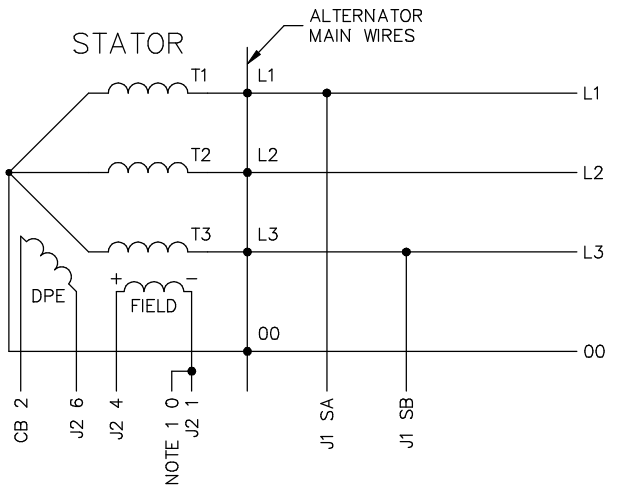


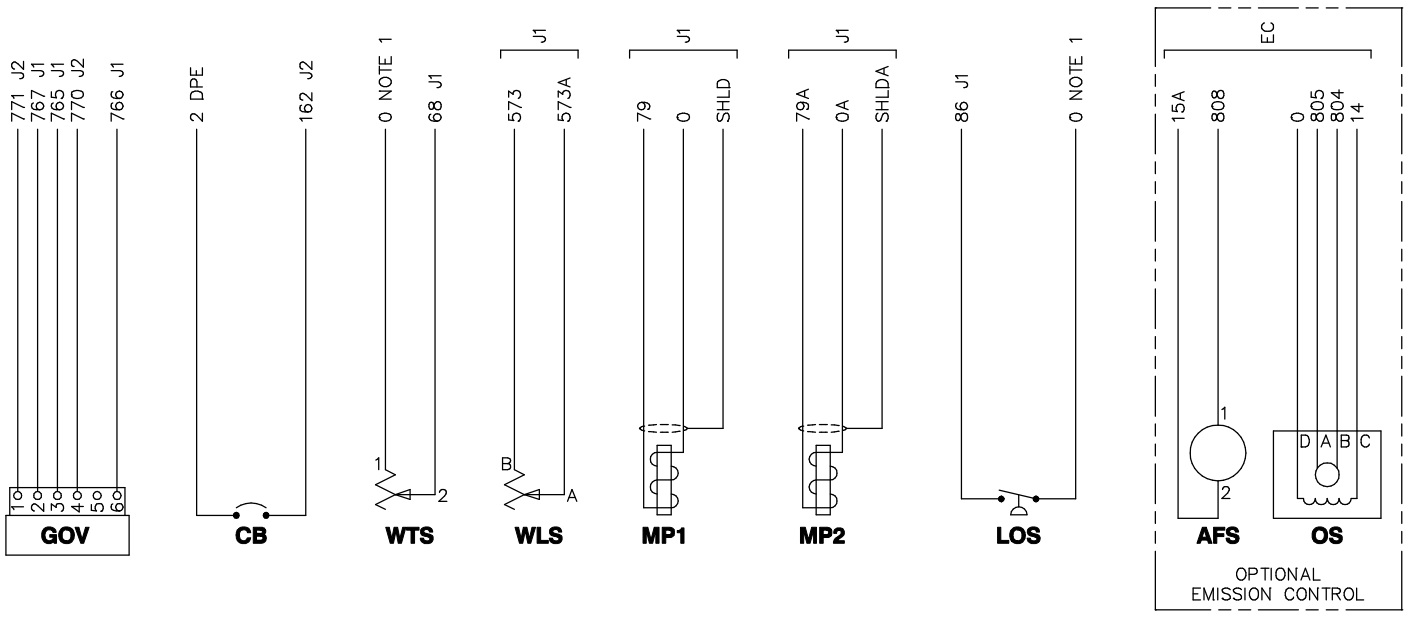
ALTERNATOR CONNECTIONS FOR 1ø UNITS



ALTERNATOR CONNECTIONS FOR 3ø UNITS

ALTERNATOR CONNECTION BOX

GENERATOR SET



PAGE 1 OF 4

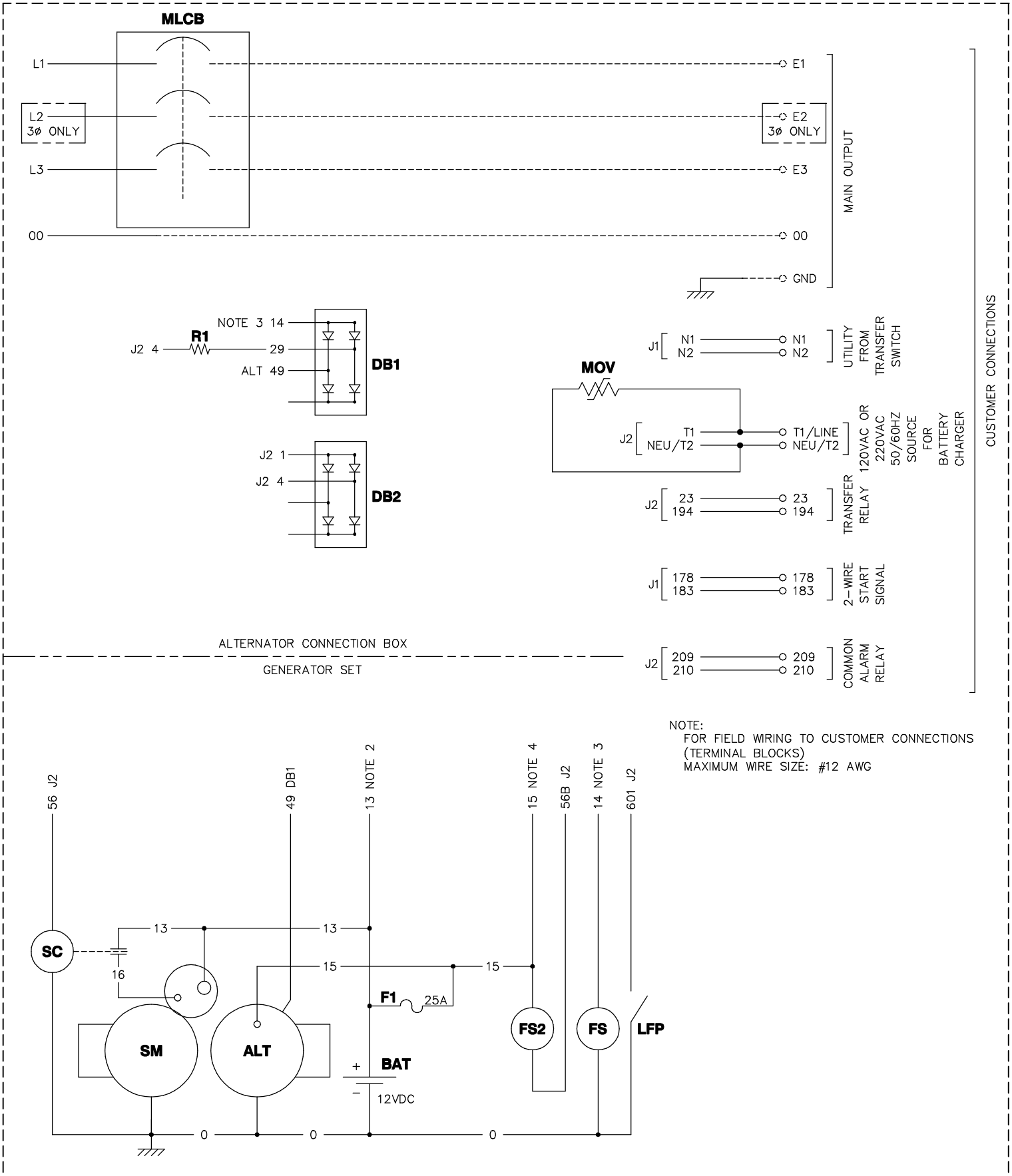
SCHEMATIC - DIAGRAM

G2.4L G2 NEXUS

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SCHEMATIC - DIAGRAM

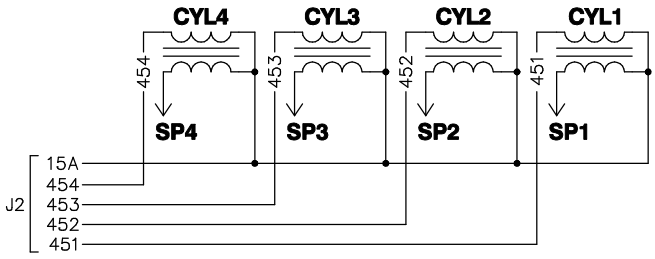
REVISION: H-8455-D

G2.4L G2 NEXUS

DATE: 3/7/11

PAGE 2 OF 4

DRAWING #: 0H6340


CYL4
CYL3
CYL2
CYL1
454
453
452
451
SP4
SP3
SP2
SP1
J2
15A
454
453
452
451

NOTES:
1) WIRE #0 IS CHASSIS GROUND (BATTERY−) UNLESS NOTED OTHERWISE.
2) WIRE #13 IS UNFUSED +12VDC (BATTERY+).
3) WIRE #14 IS FUSED +12VDC WHEN GENERATOR IS CRANKING OR RUNNING.
4) WIRE #15 IS FUSED +12VDC FOR GENERAL USE.
5) WIRE #15A IS FUSED +12VDC FOR THE AIR/FUEL SOLENOID OPTION AND FOR THE IGNITION COILS.

BWR CONNECTOR

PIN	WIRE	TO	FUNCTION
1	820	J1−12	+5V POWER FOR BASIC REMOTE
2	817	J1−4	REMOTE DISPLAY SYSTEM READY
3	818	J1−5	REMOTE DISPLAY ALARM
4	819	J1−17	REMOTE DISPLAY MAINTENANCE
5	0	GND	NOTE 1

EC CONNECTOR

PIN	WIRE	TO	FUNCTION
1	0	GND	NOTE 1
2	14	J2−8	NOTE 3
3	15A	J2−23	NOTE 5
4	808	J2−2	AIR/FUEL RATIO SOLENOID DRIVER
5	805	J1−35	OXYGEN SENSOR RETURN
6	804	J1−34	OXYGEN SENSOR +

ENGINE CONTROL MODULE CONNECTIONS

J1

PIN	WIRE	TO	FUNCTION
1	178	CUST CON	REMOTE START RETURN
4	817	BWR−2	REMOTE DISPLAY SYSTEM READY
5	818	BWR−3	REMOTE DISPLAY ALARM
6	15	F1	NOTE 4
7	15	F1	NOTE 4
8	0	GND	NOTE 1
9	0	GND	NOTE 1
10	0	MP1−2	FLYWHEEL SENSOR −
11	0A	MP2−2	CAM SENSOR −
12	820	BWR−1	+5V POWER FOR BASIC REMOTE
13	SA	MLCB	OUTPUT VOLTAGE SENSING A
14	183	CUST CON	REMOTE START
15	SHLDA	MP2−1	CAM SENSOR DRAIN
16	SHLD	MP1−1	FLYWHEEL SENSOR DRAIN
17	819	BWR−4	REMOTE DISPLAY MAINTENANCE
18	767	GOV−2	THROTTLE POSITION FEEDBACK RETURN
19	765	GOV−3	THROTTLE POSITION FEEDBACK SOURCE
20	766	GOV−6	THROTTLE POSITION FEEDBACK SIGNAL
21	68	WTS−2	COOLANT TEMP SIGNAL
22	79A	MP2−3	CAM SENSOR +
23	79	MP1−3	FLYWHEEL SENSOR +
24	SB	MLCB	OUTPUT VOLTAGE SENSING B
25	N1	CUST CON	UTILITY VOLTAGE SENSING 1
26	N2	CUST CON	UTILITY VOLTAGE SENSING 2
31	573A	WLS−A	COOLANT LEVEL SIGNAL RETURN
32	573	WLS−B	COOLANT LEVEL SIGNAL
33	86	LOS−NC	LOW OIL PRESSURE SIGNAL
34	804	EC−6	OXYGEN SENSOR +
35	805	EC−5	OXYGEN SENSOR RETURN

J2

PIN	WIRE	TO	FUNCTION
1	770	GOV−4	THROTTLE DRIVE HI
2	808	EC−4	AIR/FUEL RATIO SOLENOID DRIVER
3	56B	FS2	STARTING FUEL SOLENOID CONTROL
4	451	CYL1	IGNITION COIL DRIVE 1
5	452	CYL2	IGNITION COIL DRIVE 2
6	453	CYL3	IGNITION COIL DRIVE 3
7	454	CYL4	IGNITION COIL DRIVE 4
8	14	DB1/FS/EC−2	NOTE 3
9	771	GOV−1	THROTTLE DRIVE LO
11	209	CAR	COMMON ALARM RELAY
12	23	CUST CON	TRANSFER RELAY COIL CONTROL
13	194	CUST CON	TRANSFER RELAY COIL +
14	601	LFP	LOW FUEL PRESSURE
15	210	CAR	COMMON ALARM RELAY
16	6	DPE	EXCITER RETURN
17	162	CB	EXCITER OUTPUT (BREAKER PROTECTED)
18	4	FIELD	FIELD (BRUSH) +
19	1	FIELD	FIELD (BRUSH) −
20	T1	CUST CON	120VAC SOURCE FOR BATTERY CHARGER
21	NEU	CUST CON	120VAC RETURN FOR BATTERY CHARGER
22	56	SC	STARTER CONTACTOR DRIVER
23	15A	EC−3/CYL1−CYL4	NOTE 5

LEGEND

00 − NEUTRAL
AFS − AIR/FUEL SOLENOID
ALT − DC CHARGE ALTERNATOR
BAT − BATTERY
BWR − BASIC WIRELESS RECEPTACLE
CAR − COMMON ALARM RELAY
CB − CIRCUIT BREAKER
CYL_ − CYLINDER IGNITION COIL
DB_ − DIODE BRIDGE
DPE − EXCITER
EC − EMISSIONS CONNECTOR
F1 − FUSE INLINE
FS_ − FUEL SOLENOID
GOV − ELECTRONIC GOVERNOR ACTUATOR
J_ − ENGINE CONTROL MODULE CONNECTOR
LFP − LOW FUEL PRESSURE SWITCH
LOS − LOW OIL PRESSURE SWITCH
MLCB − MAIN LINE CIRCUIT BREAKER
MOV − METAL OXIDE VARISTOR
MP_ − MAGNETIC PICKUP
OS − OXYGEN SENDER
R1 − RESISTOR
SC − STARTER CONTACTOR
SHLD − SHIELD
SM − STARTER MOTOR
SP_ − SPARK PLUG
WLS − COOLANT LEVEL SENDER
WTS − COOLANT TEMPERATURE SENDER

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