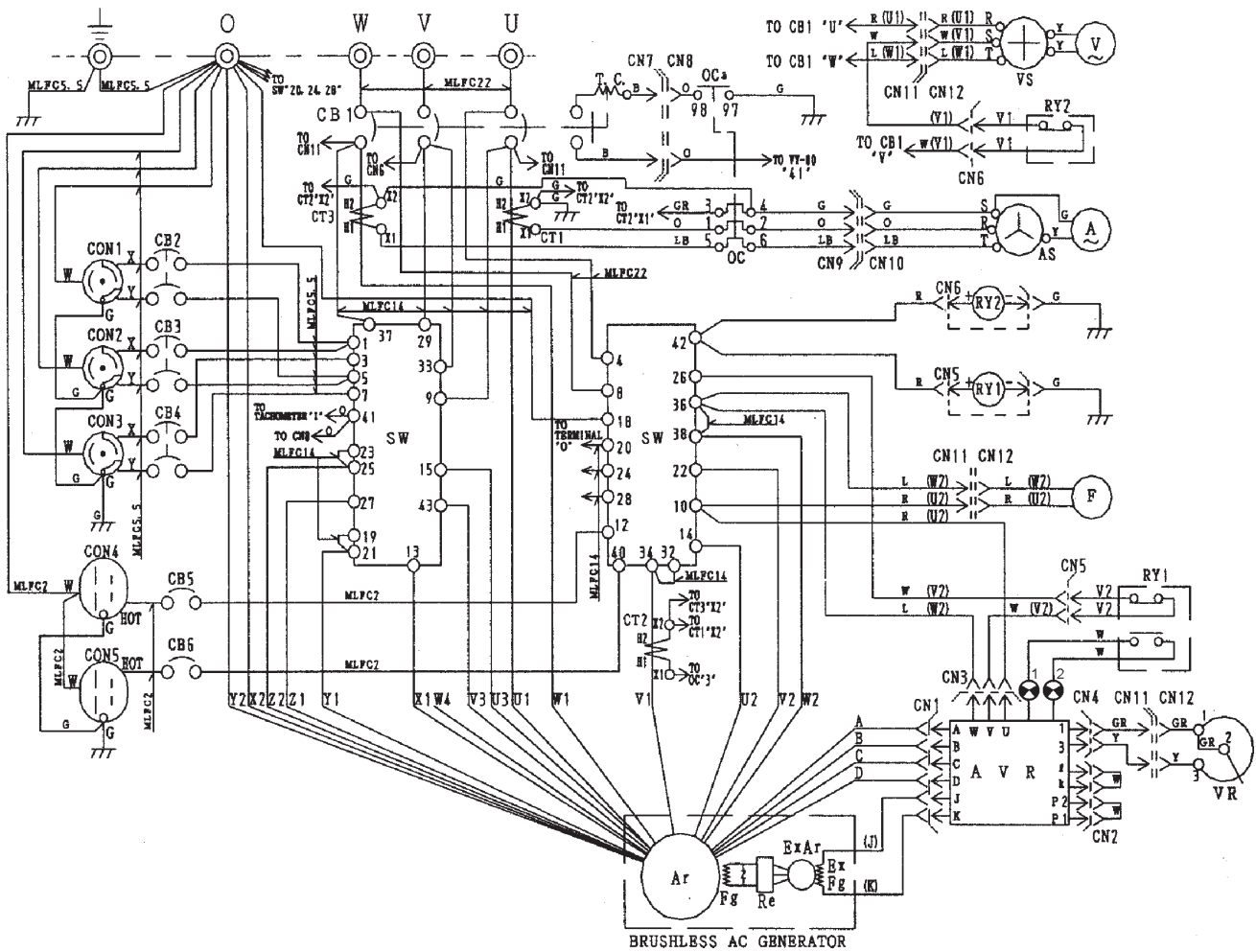


DCA-70SSJU2 (60 Hz) — SPECIFICATIONS

Table 1. Generator Specifications

Table 1. Generator Specifications		
Model	DCA-70SSJU2	
Type	Revolving field, self ventilated, open protected type synchronous generator	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	77 KVA (61.6 KW)	44 KW
Prime Output	70 KVA (56 KW)	40 KW
Voltage	240V or 480V	240/120V
Frequency	60 Hz	
Speed	1800 rpm	
Power Factor	0.8	1
Aux. AC Power	Single Phase, 60 Hz	
Voltage	120 V	
Output	4.8 KW (2.4 KW x 2)	
Engine Specifications		
Model	JOHN DEERE 4045TF275	
Type	4 Cycle, water-cooled, direct injection, turbo-charged	
No. of Cylinders	4 cylinders	
Bore x Stroke	4.19 in. x 5 in. (106 mm x 127 mm)	
Rated Output	102 HP/1800 rpm	
Displacement	275 cu. in. (4500 cc)	
Starting	Electric	
Coolant Capacity	6.9 gal. (26 liters) plus 2 quarts in reserve tank	
Lube Oil Capacity	3.4 gal. (13 liters)	
Fuel Consumption	4.9 gal. (18.5 L)/hr at full load	3.5 gal. (13.3L)/hr at 3/4 load
	2.6 gal. (9.9L)/hr at 1/2 load	1.6 gal. (6.1L)/hr at 1/4 load
Battery Size	27 (CCA 0° F 700A) X 1	
Fuel Capacity	39.6 gals. (150 liters)	
Fuel	#2 Diesel Fuel	

DCA-70SSJU2 (60 Hz) — GENERATOR WIRING DIAGRAM



SYMBOL	DESIGNATION
Ar	MAIN GENERATOR ARMATURE WINDING
Fg	MAIN GENERATOR FIELD WINDING
ExAr	EXCITER ARMATURE WINDING
ExFg	EXCITER FIELD WINDING
Re	RECTIFIER
AVR	AUTOMATIC VOLTAGE REGULATOR
VR	VOLTAGE REGULATOR (RHEOSTAT)
CT 1,2,3	CURRENT TRANSFORMER
AS	CHANGE-OVER SWITCH, AMMETER
A	AC, AMMETER
VS	CHANGE-OVER SWITCH, VOLTMETER
V	AC, VOLTMETER
F	FREQUENCY METER
CB1	CIRCUIT BREAKER
CB2,3,4	CIRCUIT BREAKER
CB5,6	CIRCUIT BREAKER
CON1,2,3	RECEPTACLE
CON4,5	RECEPTACLE
OC	OVER CURRENT RELAY
SW	SELECTOR SWITCH
RY1,2	RELAY UNIT

CONNECTOR ARRANGEMENT (WIRING VIEW)

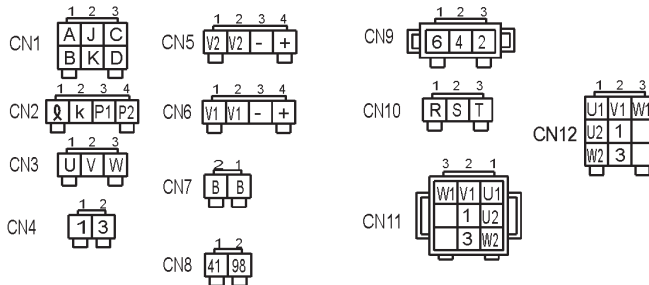
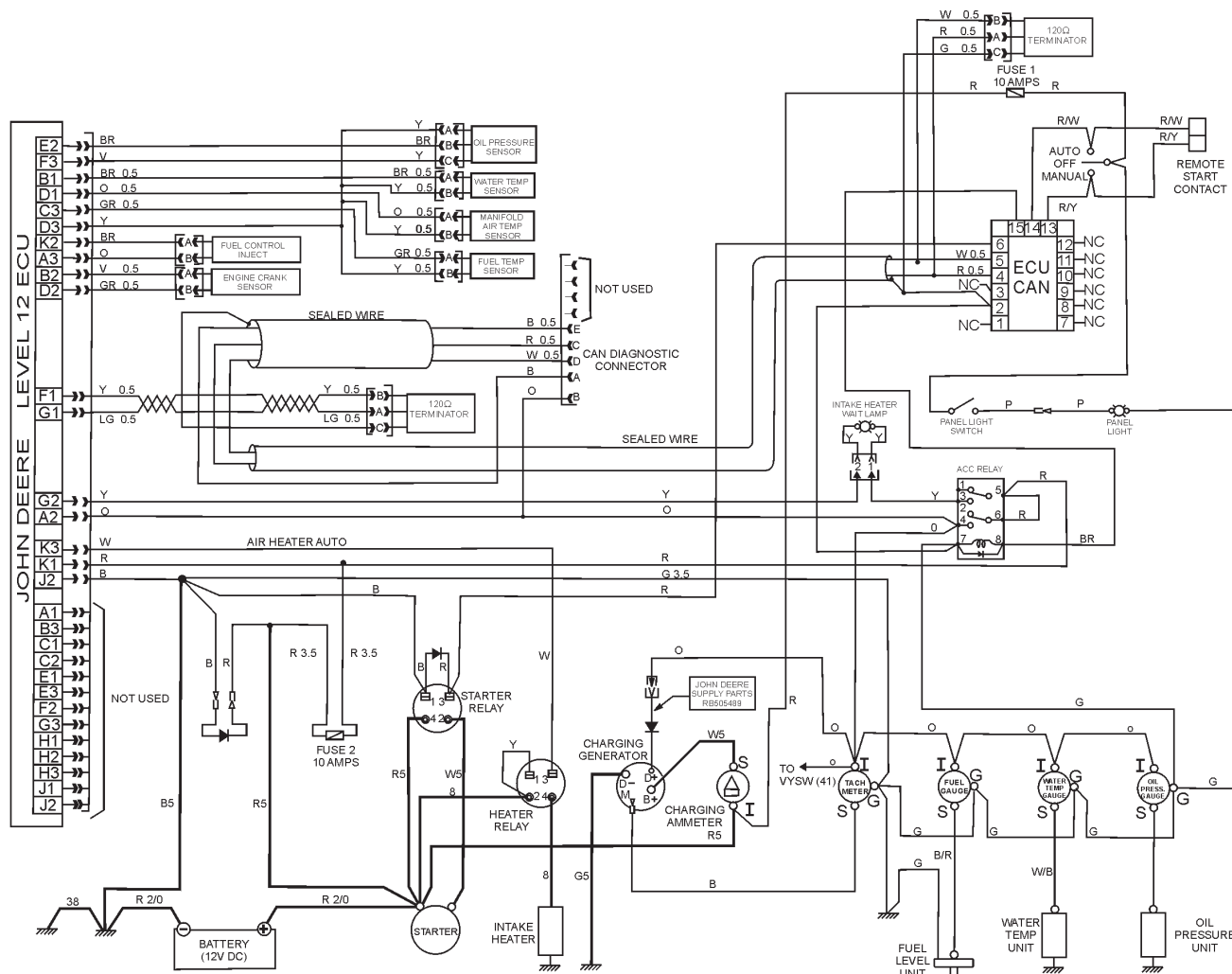
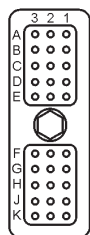


Figure 61. Generator Wiring Diagram

DCA-70SSJU2 (60 Hz) — ENGINE WIRING DIAGRAM



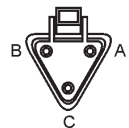
JOHN DEERE LEVEL 12 ECU CONNECTOR



CAN DIAGNOSTIC CONNECTOR



CAN TERMINATOR



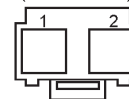
CRANK SENSOR



COOLANT TEMP.



INTAKE HEATER WAIT LAMP (LAMP SIDE)



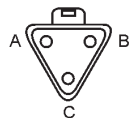
MGP (A CONNECTOR FORM IS MALE FEMALE COMMONS)



ALTERNATOR



120 OHM TERMINATOR



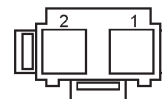
FUEL TEMP.



MANIFOLD AIR TEMP.



INTAKE HEATER WAIT LAMP (WIRING SIDE)



OIL PRESSURE SENSOR



INJECT



COLOR CODE

SYM.	WIRE COLOR	SYM.	WIRE COLOR
B	BLACK	R	RED
L	BLUE	W	WHITE
BR	BROWN	Y	YELLOW
G	GREEN	LB	LIGHT BLUE
GR	GRAY	LG	LIGHT GREEN
V	VIOLET	O	ORANGE
P	PINK		

WIRE SIZE

100:KIV or MLFC 100 mm ²
38:KIV or MLFC 38 mm ²
8:KIV or MLFC 8 mm ²
5:DESIGNATED COLOR AV 5 mm ²
3.5:DESIGNATED COLOR AV 3.5 mm ²
0.5:DESIGNATED COLOR AV 0.5 mm ²
WITH NO DESIGNATION, USE AV
1.25 mm ² LEAD OF DESIGNATED COLOR

Figure 62. Engine Wiring Diagram