ECO NO.	DATE	REV.	REVISION RECORD	AUTH.	DR.BY
7756	3/19/2025	A	DESCRIPTION CHANGE		EF
7858	2/28/2026	B	REMOVED GROUND WIRE FROM PREHEAT SOLENOID		JCB

AC CIRCUIT BREAKER BOX

REFER TO CIRCUIT BREAKER DIAGRAM 58034 FOR AC CONNECTION

CABLE

MAP

MAP SENSOR (MAP)

ACTUATOR

SMALL KEY SLOT

LARGE KEY SLOT

P3

ECU

P2

P1

CONTROL BOX

FREQUENCY CONTROL TERMINAL BLOCK

20k Ω RESISTOR

DC POWER TERMINAL BLOCK

15 AMP

REMOVE JUMPER FOR FIRE SUPPRESSION SYSTEM CONNECTION. (SEE NOTE 1)

D-NET 4-WAY CONNECTOR

NMEA BLU

NMEA WHT

NMEA BLK

NMEA SHIELD

NMEA RED

EXTRA OUTLET FOR ADDITIONAL START/STOP SWITCH CONNECTION.

FUSE

CIRCUIT BREAKER

ELECTRONIC CONTROL PANEL

WESTERBEKE

SPLICE 1

REMOTE START/STOP SWITCH CONNECTOR (OPTIONAL)

S1

4 SINK FOR RUN INDICATOR (0.5A MAX LAMP)

3 APPLY +12V TO START

2 APPLY +12V TO STOP

1 SWITCH POWER +12V

OPTIONAL START/STOP SWITCH
3 POSITION MOMENTARY, CENTER N.O.

+12V STOP START RUN INDICATOR

K1 - CRANK

K2 - PREHEAT

K3 - FUEL

12 VDC BATTERY

BATTERY SWITCH

STARTER

SPEED SENSOR

EXHAUST TEMP. SWITCH

WATER TEMP. SENSOR

OIL PRESS. SENDER

PREHEAT SOLENOID

GLOW PLUGS

AIR TEMP. SENSOR

N/C (B)

FUEL PUMP

OPTIONAL BLOWER RELAY ADAPTER

WHEN ENGINE RUNNING 400mA MAX ALLOWABLE CURRENT.

ALTERNATOR 12V

B+ L R P

+12V GND

MODEL:
5.5 EDCA 60Hz / 5.0 EDCA 50Hz
7.6 EDTA 60Hz / 5.7 EDTA 50Hz
8.0 EDTA 60Hz / 6.0 EDTA 50Hz
10.0 EDTA 60Hz / 7.5 EDTA 50Hz
11.0 EDTA 60Hz / 8.8 EDTA 50Hz
12.5 EDTA 60Hz / 10.3 EDTA 50Hz
15.0 EDTA 60HZ / 12.0 EDTA 50Hz

NOTE:
1. FIRE SUPRESSION SYSTEM CONNECTION IS NOT A POWER SOURCE. THIS CIRCUIT MUST BE CLOSED TO RUN, OPEN TO STOP GENSET.

TOLERANCES (UNLESS OTHERWISE NOTED)
INCHES: .XX ± .02, .XXX ± .005, CAST ± .03, ANGLES ± 1°, FINISH
MILLIMETERS: X ± 1.0, .X ± .5, .XX ± .13

DIMENSIONS: INCHES / MILLIMETERS (WHEN APPLICABLE)

WESTERBEKE

TITLE: DGGENSET WIRE 5.5 EDCA, 7.6-15 EDTA (NMEA 2000) GROUNDED 12V

DRAWN BY: JAS | DATE: 17/May/19 | MATERIAL:

APPROVED BY: | DATE:

SCALE NONE | SIZE: E | DRAWING NUMBER: 57285 | REV: B

SHT. 1 OF 1