ECO NO.	DATE	REV.	REVISION RECORD	AUTH.	DR.BY
6282	11-9 2006	A	RELEASED TO SYSTEM.		GA
6289	12-8 2006	B	ADDED 1 AMP FUSE, FIRE SUPPRESSION SYSTEM AND TERMINAL STRIPS TO THE WIRING DIAGRAM. ADDED OPTOINAL REMOTE S/S CONNECTION		GA
6297	1-9 2006	C	P2-PIN 24 WAS CONNECTED TO K1-PIN 86.		GA
6309	2-1 2007	D	REROUTE K1-30 (16-RED) TO K1-86. REMOVE JUMPER WIRE (16-RED) BETWEEN K2-30 AND K3-30. REROUTE K3-86 (16-WHT/RED) TO K3-30. ADD JUMPER WIRE (16-RED) BETWEEN K3-30 AND K3-86. REROUTE K3-30 (12-RED) TO K2-30.		GA
6350	6-21 2007	E	ADDED Y-ADAPTER, CHANGED K4 RELAY CONNECTION. ADDED OPTIONAL POWER SOURCE.		GA
6443	1-17 2008	F	SHOW WESTERLINK TERMINAL BLOCK WIRING CONFIGURATION.		GA
6510	3-8 2008	G	REMOVE 18-BLK BETWEEN P1-PIN 3 TO P3-PIN 10		GA

CONTROL BOX (AC SIDE)

AC SENSE CONNECTOR

VOLTAGE SENSE RESISTOR BOARD

#18 GREEN
#18 BLK
#18 RED
#18 WHT

VOLT SENSE CABLE

CURRENT SENSE CABLE

TERMINAL BLOCK CONNECTIONS SHOWN ARE CONFIGURED FOR PARALLEL-WYE 190/208 VAC REFER TO 53328 FOR OTHER AC WIRING

TERMINAL BLOCK

L1 L2 L3 N

#18 WHT
#18 BLK
LINK WYE

STATOR

11 12 9 10 7 8 5 6 3 4 1 2

RED

AVR

1|2 3 3A 4 4A 5 5A 6 7 5B 5C

#16 WHT
#16 RED/WHT
60 HZ REMOVE FOR 50 HZ
#16 BLK
YEL
#16 LT. BLU

#14 RED

EXCITER

BLU YEL

ROTOR

#18 YEL
#14 BLU

K4

85 87 30 86

#16 LT. BLU
BLU

CIRCUIT BREAKER AC FIELD

#18 WHT/RED

ECU P2

GRN BLK RED WHT BLK RED WHT GRN

#16 WHT
#18 YEL
#18 GRN
#18 BLU
NMEA WHT
#18 WHT/GRN
NMEA BLU
#18 GRY
NMEA BLK
#18 BLK
NMEA RED
#16 RED

ECU P1

#18 RED
#18 WHT/GRN
#18 WHT/BLK
#18 WHT/GRN
#18 WHT/BLU
#18 WHT/YEL
#18 ORG
#18 WHT/GRY
#18 GRN

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

D-NET 4-WAY CONNECTOR

NMEA WHT
NMEA BLU
NMEA BLK
NMEA SHIELD
#16 BLK
NMEA RED

#16 WHT/RED

#18 WHT/GRN
#18 GRN
#18 ORG
#18 WHT/RED

EXTRA OUTLET FOR ADDITIONAL START/STOP SWITCH CONNECTION.

(OPTIONAL) REMOTE START/STOP SWITCH CONNECTOR

4 SINK FOR RUN INDICATOR (0.5A MAX LAMP) #18 WHT/GRN
3 APPLY +12V TO START #18 GRN
2 APPLY +12V TO STOP #18 ORG
1 SWITCH POWER +12V #18 WHT/RED

+12V STOP START RUN INDICATOR

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

#12 RED
#12 RED/WHT
#18 WHT/RED
1 AMP

FUSE

OFF ON

CIRCUIT BREAKER

ELECTRONIC CONTROL PANEL

CONTROL BOX (DC SIDE)

FOR WESTERLINK UNIT CONNECT 1 AMP FUSE (#18 RED) WIRE TO S2

S1 S2 C1 C2

#12 RED
#18 RED
#18 WHT/RED
#16 WHT/RED
#12 RED/WHT
1 AMP

FUSE CIRCUIT BREAKER

12 VDC BATTERY

BATTERY SWITCH

STARTER

#16 BLK
#16 BLK
#12 RED
#10 ORG

K1 - CRANK

#16 WHT
#18 GRY
#12 RED
#12 YEL/RED
#16 RED

K2 - PREHEAT

#18 GRN
#12 RED
#16 VIO/WHT

K3 - FUEL

#18 BLU
#16 VIO
#16 WHT/RED
#16 RED

SPEED SENSOR

#18 WHT/YEL
#18 WHT/BLK

EXHAUST TEMP. SWITCH

#18 WHT/BLK

WATER TEMP. SENSOR

#18 WHT/GRN
#18 WHT/BLK

GLOW PLUGS

PREHEAT SOLENOID

#10 RED
#10 VIO/RED
#16 VIO/WHT

AIR TEMP. SENSOR

#18 WHT/BLU
#18 WHT/BLK

OIL PRESS. SENDER

#18 WHT/BLK
#18 WHT/BLK
#18 WHT/BRN

ACTUATOR

#16 WHT
#16 RED

#16 VIO
#16 BLK

RED BLK

FUEL PUMP

#16 BLK
#16 VIO
+12V GND

OPTIONAL BLOWER RELAY ADAPTER

WHEN ENGINE RUNNING 400mA MAX ALLOWABLE CURRENT.

#16 VIO
#16 RED
#10 ORG

ALTERNATOR

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 ±.5° FINISH MILLIMETERS X. ± 1.0 .X ± .3 .XX ± .13	WESTERBEKE CORPORATION TAUNTON, MA. 02780		
DIMENSIONS ⟷ INCHES MILLIMETERS (WHEN APPLICABLE)	TITLE: DGGENSET WIRE 25.5, 28.5, 33.0 EDE D-NET (WESTERLINK & NMEA 2000)		
	DRAWN BY: GA	DATE: 8/Nov/06	MATERIAL:
	APPROVED BY:	DATE:	
	SCALE NONE	SIZE: E	DRAWING NUMBER: 52951
	SHT. 1 OF 1		REV. G