

OG9777

LEGEND
GND - GROUND STUD
IM - IGNITION MODULE
HM - HOUR METER
LOP - LOW OIL PRESSURE
SC - STARTER CONTACTOR
SM - STARTER MOTOR
SP - SPARK PLUG
SV1 - START-RUN-STOP SWITCH

The diagram illustrates the electrical system for a generator set. It includes a generator with a stator and a 47uF capacitor. The control panel contains a 27A/2P 6.5kW circuit breaker (C.B.), a 120/240V 30A twistlock, two 120V/20A GFCI outlets, two 20A/1P circuit breakers (C.B.), a low oil shutdown module, a low oil pressure switch (LOP), a spark plug (SP), an ignition module (IM), an hour meter (HM), a starter contactor (SC), and a starter motor (SM). The system is grounded to a ground stud (GND). The wiring is color-coded: white (WHT), green (GRN), black (BLK), red (RED), and blue (BLU). The diagram shows the connection of the generator's output to the control panel, the connection of the control panel to the various components, and the connection of the control panel to the ground stud. The diagram also shows the connection of the control panel to the starter motor and the connection of the control panel to the spark plug.

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WIRING DIAGRAM:
 The diagram illustrates the electrical connections for a generator system. The generator has two main windings: an **EXCITATION WINDING** and a **POWER WINDING**.
 - The **EXCITATION WINDING** (terminals 2, 6) is connected to a 47µF capacitor and a 120V/20A GFCI.
 - The **POWER WINDING** (terminals 1, 11, 22, 44) is connected to a 120V/240V 30A TWISTLOCK, a 120V/20A GFCI, and a 12V BATTERY.
 - The 12V BATTERY is also connected to an AC BATTERY CHARGER, a FUSE (1.5A SLO-BLO), and a LOW OIL SHUTDOWN MODULE.
 - The LOW OIL SHUTDOWN MODULE is connected to the IM (Ignition Module) and the SP (Starter Plug).
 - The SW1 (Start-Run-Stop Switch) is connected to the BATTERY and the IM.
 - The SC (Starter Contactor) is connected to the BATTERY and the SM (Starter Motor).
 - The HM (Hour Meter) is connected to the POWER WINDING and the BATTERY.
 - The LOP (Low Oil Pressure) switch is connected to the BATTERY and the LOW OIL SHUTDOWN MODULE.

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DO NOT SCALE

ALL DIMENSIONS AND
TOLERANCING PER
ASME Y14.5M-1994

UNLESS OTHERWISE
SPECIFIED :

ALL XX DIM ---- ± 0.4 MM
ALL XX.X DIM --- ± 0.4 MM
ALL XX.XX DIM -- ± 0.15 MM
ALL ANGLES ---- $\pm 1^\circ$

MATERIAL			
N/A			
DYN J. wray	DATE 06/06/08	MFG	DATE
CHKD KC	DATE 6/12/08	APPD CDT	DATE 6/12/08
RELEASED FOR PRODUCTION	BY C. TURNER		DATE 6/12/08

FILE NAME 0G9777-A.DWG		SIZE B
SCALE 1 = 1	FIRST USE XP PORT	
DWG NO. 0G9777		REV A