START-UP INSPECTION CHECKLIST

STANDBY GENERATOR SET · INSTALLATION & COMMISSIONING

MODEL	SERIAL NUMBER	FUEL
OWNER	**DISTRIBUTOR**	**INSTALLER**
PHONE	**PHONE**	**PHONE**
PURCHASE DATE	**START-UP DATE**	**START-UP TECH**

PRE-START CHECK LIST

- ☐ Check for freight damage, loose screws, loose fuel hose connections, check every wire termination for solid tight fit. Terminations often loosen after long freight hauls.
- ☐ **LPG FUEL:** Fuel tank should be 250 lbs. or more. Primary regulator (installed on fuel tank) must be set for 6 oz. or 11" water column. LPG must be of vapor withdrawal type. Diameter of "dedicated" LPG fuel line (no other loads connected to this line) between tank and gen-set: _____. Distance between tank and gen-set: _____ FT.
- ☐ **NATURAL GAS FUEL:** Gas meter must be sized to exceed total Nat. Gas Consumption as listed in the genset specific spec sheet. The gas pressure shall also be checked and confirmed to be within the WC range as specified in the genset spec sheet. Use manometer to check the gas pressure and note the adequate WC is present during no-load and fully loaded condition for successful operation of the genset.
  Gas Meter Size: _____ Measured WC: _____
- ☐ All fluid levels are correct: Anti-freeze, Battery electrolyte, & Crankcase oil.
- ☐ Generator is 100 feet or less from Transfer Switch controls. (Otherwise note distance: _____ FT.)
- ☐ All A-C & D-C controls & load wires are copper stranded (no solid wires). All D-C wires are run in separate conduit.
- ☐ Battery is new, fully charged and is at minimum required cold cranking amps or larger, for this gen-set model.
- ☐ Battery tests good with hydrometer. Unconnected battery voltage is _____ DC volts. Connect battery. Energize commercial powered battery charger. Battery voltage with battery charger on, is _____ D-C volts.
- ☐ All fuel lines, fuel connections, & electrical wiring are done by qualified and experienced installers.
- ☐ Check installation site carefully. It should be as close as possible to electric and gas utilities, but not so close that rain, snow, or ice can roll off a roof or other structure onto gen-set. Don't allow sprinklers, to spray into gen-set, or engine exhaust to exit towards buildings, under roof over-hang soffits, or towards plants or habitation. Make sure gen-set elevation is high and level for proper drainage, away from gen-set.
- ☐ Proper gen-set grounding is very important. Follow NEC-250 standards for proper grounding rod installation instructions. Improper or no grounding will make gen-set operation erratic and un-safe, as potential shock exists.
- ☐ Check your owners guide for even more information, for the best successful installation and operation.

START-UP CHECK LIST

- ☐ Follow Owners Manual instructions on initial generator set start-up.
- ☐ Check and correct any fluid, fuel or exhaust lines.
- ☐ Check and correct loose hardware, rattles, vibrations, loose wires.
- ☐ Start and stop engine several times. It may be necessary to adjust fuel load block (applicable on some models) for smooth engine idle or full load smooth engine performance.
- ☐ Allow engine to start and stop automatically several times by simulating a normal power failure.
- ☐ Manually start and stop engine several times from generator panel and transfer switch panel.
- ☐ Run generator and connect load. Assure that owner understands maximum load demands.
- ☐ Set Plant Exerciser to owner's required exercise period. (where applicable)
- ☐ Make sure all transfer and timing control options are adjusted and operating to owner's needs.
- ☐ Check overcrank shutdown by closing fuel valve and starting engine. Three individual 15 second engine crank cycles will take place before complete shutdown occurs.
- ☐ Test Voltage Output: No Load Volts _____ Frequency _____.
  Full Load Volts _____ Frequency _____.
- ☐ Battery Voltage while engine is cranking: _____ D-C volts.
- ☐ Note Ambient Temperature at this location _____ °F
- ☐ Instruct owner/operator on the complete operation of a standby generator set.

FAILURE TO RETURN SUPPLIER COPY OR NOT COMPLYING TO ALL REQUIREMENTS MAY VOID WARRANTY. Return to engineering@gillettegenerators.com
Start-up date consummates the warranty period.