

STANDBY POWER INC. - MAJOR PREVENTATIVE MAINTENANCE

Customer _____

Job # _____

Generator Model _____

Generator Serial # _____

Transfer Switch Model _____

Transfer Switch Serial # _____

Engine Model _____

Engine Serial # _____

COOLING SYSTEM:

- _____ Test anti-freeze solution & levels.
- _____ Check radiator for leaks, corrosion & plugging.
- _____ Inspect water hoses for pliability and leaks.
- _____ Pressure test cooling system if necessary.
- _____ Inspect louvers, ducts - damper motors etc..
- _____ Check heater operation.
- _____ Check cooling fins and fans.

- _____ Set ignition timing to manufactures specifications.
- _____ Inspect distributor, cam and advance mechanism.
- _____ Inspect and adjust, air gap of pick up. (E.I.S.).

GOVERNOR

- _____ Inspect & lubricate linkage.
- _____ Inspect drive belt.
- _____ Change oil in reservoir.
- _____ Inspect governor for leakage.

BATTERIES:

- _____ Check electrolyte level, specific gravity & voltage reading.
- _____ Load test to simulate and test cold cranking capabilities.
- _____ Clean terminals, posts and add water to maintain level.
- _____ Check battery charging alternator / generator.
- _____ Check condition, tension, alternator /generator belt.
- _____ Lube alternator, generator where applicable.

OIL SYSTEM:

- _____ Inspect unit for oil leaks.
- _____ Change engine oil & filter.

GENERATOR AND CONTROL

- _____ Inspect all meters and gauges.
- _____ Visually inspect all components.
(Solid state devices, relays & wiring.)
- _____ Inspect rotating section.
- _____ Inspect exciter, diodes, rectifiers.
- _____ Inspect main breaker - fused disconnect.
- _____ Inspect A/C - D/C brushes, collector rings & commutator.
- _____ Clean carbon and dust deposits.
- _____ Inspect field breaker and control breaker.

FUEL SYSTEMS:

GAS/GASO (NATURAL - L.P.G.)

- _____ Inspect carburetor & regulators.
- _____ Inspect fuel solenoids & manual shut-offs.
- _____ Check fuel supply, fuel line size & length of run.
- _____ Inspect flex-lines, piping, traps & screens.

STARTER:

- _____ Check starter, starter solenoid and parallel switches.

DIESEL:

- _____ Inspect fuel injection pump, nozzles.
- _____ Inspect supply & return lines.
- _____ Inspect primer fuel transfer pump.
- _____ Inspect primary / secondary fuel filters.
- _____ Test fuel control solenoid.
- _____ Inspect day tank.
- _____ Inspect lift pump, motor & float switch.

OPERATIONAL CHECKS:

- _____ Run generator no load.
- _____ Adjust A/C output voltage and frequency, as necessary.
- _____ Check D/C charge rate.
- _____ Check engine oil pressure.
- _____ Check operation of all meters, gauges (where applicable).
- _____ Test all safety shutdown and alarms.
- _____ Check all indicator lamps, where applicable.
- _____ Run unit to check cooling system.
- _____ Check operation of louvers and damper motors, etc:.
- _____ Check unit for unusual noise and vibrations.

AIR INTAKE SYSTEM:

- _____ Inspect air inlet tubes, lines and canister.
- _____ Clean pre-cleaner.
- _____ Remove and inspect element (replace if necessary).
- _____ Drain / replace oil (oil bath system).

TRANSFER SWITCHES:

- _____ Visually inspect all components and wiring.
- _____ Check operation of exercise clock. (set time)
- _____ Start and stop generator from exercise clock.
- _____ Check battery charger, adjust charge rate, if necessary.
- _____ Simulate power failure / cause power failure, when practical to insure proper operation.

EXHAUST SYSTEM:

- _____ Inspect silencer, flex-pipe & outlet piping.
- _____ Inspect insulation & fasteners.
- _____ Drain condensation trap, where applicable.

IGNITION SYSTEM:

- _____ Inspect spark plugs, ignition points.
- _____ condenser & distributor. cap..
- _____ Inspect rotor, high tension spark plug coil leads.

SEPARATE BATTERY CHARGERS:

- _____ Visually inspect charger.
- _____ Check output voltage and charge rate.
- _____ Make adjustments as necessary.

X - Denotes all checked & OK

C - Denotes see comments

R - Denotes replaced

(Comments see work order)

Mechanic _____

Date _____

Customer _____