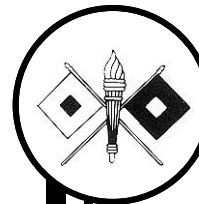


STOPPING PROCEDURES, AFTER-OPERATION CHECKS AND SERVICES

- 1 Place circuit breaker in OFF position.
- 2 Turn variable resistor knob fully counterclockwise.
- 3 Place governor control in START and IDLE position and allow engine to idle 3-5 minutes.
- 4 Place off-run switch in OFF position.
- 5 Place fuel selector valve in the OFF position.
- 6 Inspect the engine for loose or missing wiring and parts, and for any oil or fuel leaks.
- 7 Check oil level and add oil if necessary.
- 8 Inspect the fuel filter for dirt, water or sediment. Clean if necessary.
- 9 Check air cleaner indicator. Service air cleaner when indicator is RED.
- 10 Inspect the oil filter for oil leaks, repair if needed. Replace oil filter element in accordance with current L.O.
- 11 Check tires for correct air pressure. Remove penetrating objects such as nails or glass. Note any apparent loss of air, unusual wear, or missing valve caps.
- 12 Investigate and correct or report any faults noted during operation.
- 13 Inspect springs and shocks to see if they have been damaged.
- 14 Lubricate items specified on lubricating chart.
- 15 Clean exterior of trailer by washing or wiping.
- 16 Visually inspect all electrical wiring, conduits and shielding. Check for damaged conduits, shielding and frayed wires.

REFERENCE: **Soldiers Manual**
 Task No:
 113-601-2009



*GTA 11-08-003

OPERATING PROCEDURES, (POWER UNITS), PU-617 / M, PU-628 / G AND PU-625 / G

MOS 31C
31M
31N
AND OTHERS

DISTRIBUTION: US Army Training and Audio-visual Support Centers (TASC)

Headquarters, Department of the Army

*Supersedes GTA 11-8-1, June 1979.

APRIL 1984

BEFORE-OPERATION CHECKS, STARTING AND OPERATING PROCEDURES

- 1 Level the trailer so that it is at an angle of no more than 15° in any direction. Insure that front and rear supports are down.
- 2 Lock trailer handbrakes and set wheel blocks.
- 3 Set up firepoint.
- 4 Clear an area for P.O.L. (Petroleum, Oil, and Lubricants.)
- 5 Ground the generator set by securing the ground strap to the generator set ground stud.

NOTE: Be sure both generators are connected to the generator ground terminal stud.

WARNING: Never operate the generator set until it has been properly grounded. Electrical defects in the load lines or equipment can cause death by electrocution when contact is made with an ungrounded system.

- 6 Inspect fuel system aux tank
Fuel Level Gauge
Holding straps for serviceability
(Tears, rips, etc)
Fillerneck screen (dirt, tears, debris)

Set tanks

Fuel filler screen for dirt & trash
Holding straps for serviceability
Inspect the fuel filter for dirt, water or sediment and clean if dirty.

- 7 Check engine oil level and add oil if necessary.
- 8 Set voltage select switch according to Figure 2-2 of TM 5-6115-271-14
- 9 Set current select switch to 1-1
- 10 Set phase select switch to 120 volts 1 Phase
- 11 Set switch on transfer box to "Gen 1" or "Gen 2"

NOTE: Training environment only:
Place switch in "OFF" position

- 12 Turn variable resistor knob (labeled "ADJUST VOLTS" or "INCREASE VOLTS") fully counter-clockwise.
- 13 Be sure circuit breaker is in the OFF position.
- 14 Place the fuel selector valve in AUX TANK position.

- 15 Place air intake shutter in the proper position, depending on ambient temperature. 32°F and above - summer position: 32°F and below - winter position.
- 16 Place governor control in START - IDLE position.
- 17 Close choke with choke control lever.
- 18 Place Off-Run Switch in Run Position
- 19 Wrap start rope around flange and pull with a quick steady motion. Repeat as necessary until engine starts.
- 20 Gradually open choke with choke control lever as engine attains operating temperature.
- 21 Place governor control in GOVERN position after waiting 3-5 minutes to allow the generator to warm up.
- 22 Adjust the variable resistor knob until the voltmeter registers desired voltage.
- 23 Inspect the frequency meter. It should indicate 60Hz.