

ENGINE-ALTERNATORS - DIESEL
AUTOMATICALLY CONTROLLED
KS-5750 - 30, 40, AND 60 KW

1. GENERAL

- 1.001 This addendum supplements Section A301.252, Issue 1.
- 1.002 The addendum is reissued to revise the information for venting the cooling system when being filled or drained.

The following changes apply to Part 1 of the section:

- (a) 1.04 - revised
(b) 1.07 - added note

1.04 In connection with the storage of fuel oil for these sets, care should be exercised to prevent dirt from entering the fuel storage tank. Refer to Section A301.290 for information on recommended engine fuels and requirements for storing and handling them.

1.07 (Add at end of this paragraph)

Note: If a shutoff valve is furnished in the exhaust line, close the shutoff valve.

2. OPERATION

The following changes apply to Part 2 of the section:

- (a) 2.06(c) and 2.07(c) - revised
(b) 2.08(b) - added note
(c) 2.08(c) and 2.12(c)(8) and (d) - added

2.06 Inspecting Set and Starting Battery

(c) See that there is sufficient electrolyte in the starting battery cells. Add water as required to maintain electrolyte levels as follows:

Battery Type	Min	Max
Lead acid	Top of separators	Bottom of cover
Nickel cadmium	3/4 in. above plates	2 in. above plates

2.07 Checking Fuel System

- (c) Open the shutoff valve in fuel line to the hand fuel pump and operate the hand

fuel pump (see Fig. 1) until the fuel cup is full.

2.08 Checking Cooling Water System

- (b) (Add at end of this subparagraph)

Note: Where vent valve on top of thermostat housing is furnished, always open vent before adding or draining water and close when radiator is full. Present sets are furnished with a self-venting fitting which houses the thermostat in the water cooling system. This arrangement automatically vents the cooling system when it is being filled or drained. On earlier sets, however, the venting of the cooling system was not automatically accomplished, it being necessary to open and close a bleeder valve on top of the thermostat housing whenever water was added to or drained from the cooling system.

- (c) Make sure the shutoff valves to the water jacket preheater are wide open.

2.12 Setting of Switches and Valves on Engine Set

- (c) On Blower Side of Engine (See Fig. 1)
(8) Make sure the shutoff valve in the fuel line to the hand fuel pump is closed.
(d) When a shutoff valve is provided in the exhaust line, make sure it is opened.

3. ROUTINE CHECKS

The following changes apply to Part 3 of the section:

- (a) 3.10(a) - revised
(b) 3.10(b) - added

3.10 Periodic Checks

(a) Periodically check the voltage of the starting battery to determine that it is being maintained properly. A 32-volt, lead-acid-type battery should be maintained at 34.7 ± 0.3 volts and nickel-cadmium type at 35.5 ± 0.5 volts. See Section A301.005 for lead-acid battery routines or Section A801.021 for information on nickel-cadmium batteries.

(b) Periodically check the electrolyte level of the battery cells to see that they are being maintained in accordance with 2.06(c). Examine all connections at the cells to see that they are tight, clean, and free from dirt.