



**UNITED  
TECHNOLOGIES  
CARRIER**

Commercial Division  
Carrier Corporation

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## SERVICE BULLETIN

SUBJECT: 1000-WATT OIL HEATER

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### PURPOSE

To transmit instructions to convert the existing 250-watt compressor oil heater to a 1000-watt submerged oil heater.

### MACHINES AFFECTED

All 17M,P,S (30,40,50,60 sizes) compressors produced before January 1967 at which date the 1000-watt oil heater became standard.

### CONVERSION INSTRUCTIONS

Modification of the existing oil chamber cover to accept the 1000-watt heater is not recommended as it is labor intensive and requires machine shop alteration for the following reasons:

1. The casing wall thickness, where new machining is required, is marginal.
2. Drilling and milling operations must be done on a curved surface.
3. The "old" 250-watt heater connections must be plugged.
4. Interference with the cooling coil may be encountered.
5. The immersion switch and well connection will need to be drilled and tapped, in addition to the heater connections.

To avoid these problems, an oil reservoir cover assembly, Part No. 17MA31-104, is available (see Figure 1).

The conversion oil reservoir cover and components are explosion-proof for use in any atmosphere.



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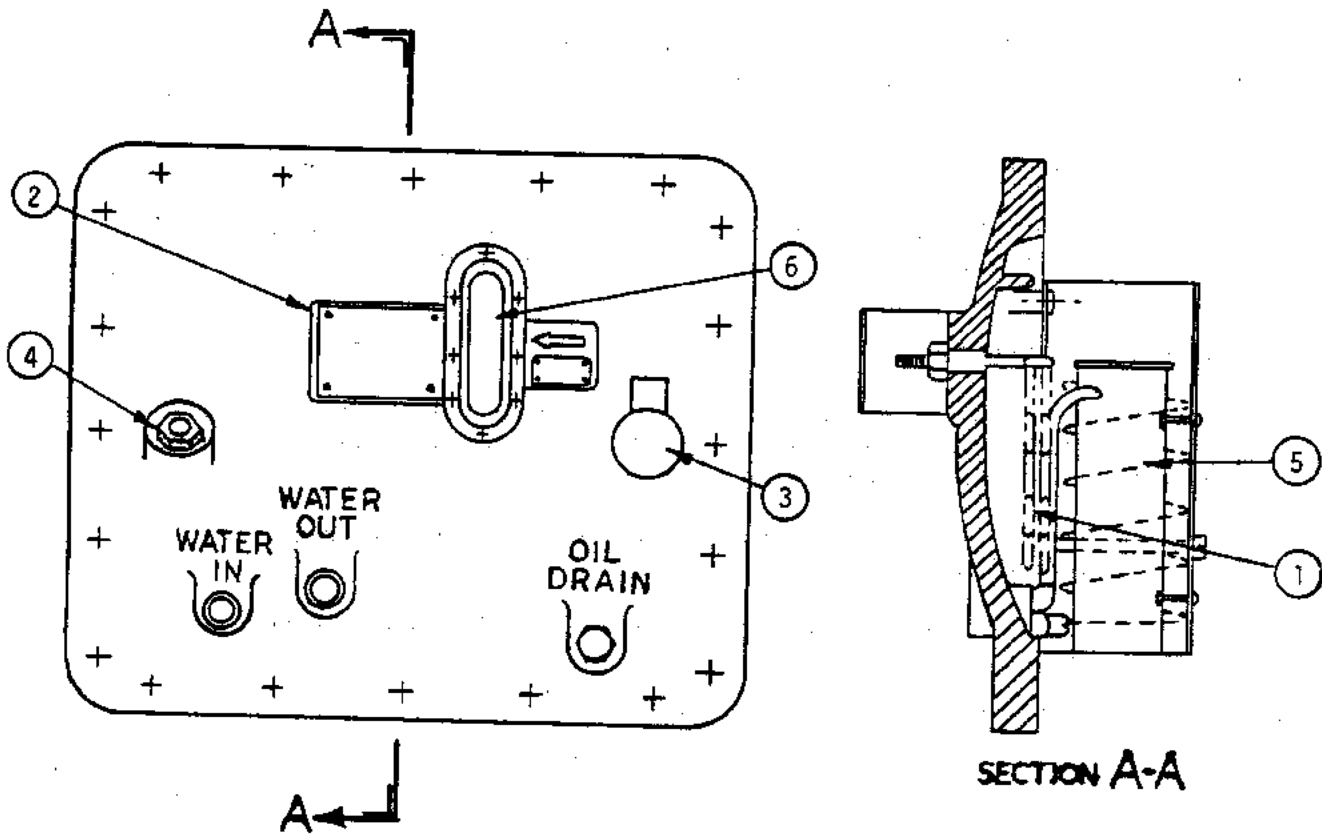


Fig. 1. Oil Reservoir Cover Assembly

LEGEND

- |                                 |  |
|---------------------------------|--|
| 1. 1000-watt Oil Heater         | 4. Well for Externally Mounted Thermometer |
| 2. Explosion-Proof Terminal Box | 5. Oil Cooler Coil and Convection "Can"    |
| 3. Thermostat                   | 6. Oil Level Sight Glass                   |