



**UNITED
TECHNOLOGIES
CARRIER**

Commercial Division
Carrier Corporation

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SERVICE BULLETIN

SUBJECT: 32MP CONTROL PANEL GROUNDING

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PURPOSE

The purpose of this bulletin is to advise that it is important to carefully follow applicable electrical codes and chiller installation instructions regarding grounding of the compressor motor and control panel.

MACHINES AFFECTED

All 17/19 series machines with 3200MP Controls

BACKGROUND

It has come to our attention that some electrical contractors are not installing individual ground wires to the compressor motor and to the control panel. They are relying on the mechanical connections between the control panel, motor terminal box and the chiller and its piping to provide ground and are ignoring the grounding lugs that are provided.

Microprocessor controls can be sensitive to differences in ground voltage levels that can result with grounding loops and may not operate reliably unless connected to a single point earth or grid ground.

RECOMMENDATIONS

Service personnel should verify that the compressor motor and control panel grounds are properly and individually connected back to the earth ground in the starter or to the same ground to which the starter is connected. The devices must not be "daisy chained", that is, connected from one to the other and then to the starter.