[redacted]

June 15, 1984

TO: 6E CHIP MAILING LIST

SUBJECT: CHIP Product Changes and Additions
DC Contactors
Power Limit Switches

A number of design improvements have been in process over the past two years on the C80 line of DC contactors. These changes include the following:

EATON

- Non-asbestos arc shields
- Oil impregnated bushings at pivot points
- Coil encapsulation material
- Auxiliary contact improvement

Attached is a print of Photo No. C80 P-1, which shows our contactor with the new, non-asbestos arc shields. In addition to eliminating asbestos bearing parts, the new arc shields are much less susceptible to cracking in shipment and in service.

Oil impregnated bushings will be supplied at both the armature and contact lever pivot points. This eliminates the possibility of friction build-up as a result of dust or acid atmospheres, and removes the need for periodic oiling at these locations.

Contactor main operating coils, which have been epoxy resin encapsulated for many years, are now black instead of blue, and are more shiny in appearance. Coil part numbers will not change. All coils are class H rated (155° C. rise over a 40° C. ambient temperature), but normal operating temperature rise is approximately 70° C.

The auxiliary contacts now include graphite lubricating material. This reduces the loading on the contactor mechanism and substantially improves auxiliary contact life in adverse atmospheres.

Also attached is a copy of a new Repair Part Drawing C70-7850. These drawings replace the previous Repair Part Publications. You will note

PENGAD-Bayonne, N. J.
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