Subject:  SUBJECT: GAL TYPE "MO" AND "MOCP" INTERLOCK ASSEMBLIES

Sent to:  ELEVATOR CONTRACTORS IN SCOPES A, B, F, P, S - 1

1. ORDER TO CONTRACTORS

1.1 On all elevators maintained by your company and equipped with GAL type "MO" or "MOCP" door interlocks, you are requested to check, as soon as possible, the contact interlock assemblies.

1.2 If your check indicates that the contacts could jam as shown in figure #1 and #2, then:

a) The bracket on the lower contact must be adjusted to keep the contact clear (free from jamming); and

b) Ensure that the contact and interlock assembly is properly adjusted so that the interlock beak cannot push the contact in a jamming position when the door is fully closed and door bumpers are fully compressed (compare figure #2 and #3).

1.3 If the adjustments cannot be made, the following remedial action must be taken:

a) Replacement of interlock assemblies of any suitable make and model, or

b) Replacement of at least contact assemblies following instructions in 2 below.

2. REPLACEMENT INSTRUCTIONS

2.1 Contact assembly replacement kits are available from GAL:

a) For type MO - replacement kit INT-1-15R or L

b) For type MOCP - replacement kit INT-2-15R or L

2.2 The kits include the contact assembly (where a "boss" is added to its base as shown in figure 4) as well as the contact bar keeper, to be simultaneously replaced on the interlock beak.

3. BACKGROUND

If the GAL interlock contact is jammed as shown on figure 1, the elevator may operate with an open hoistway door creating a serious safety hazard.

Although the "jamming" is not possible if the position of the contact and the interlock beak is correctly adjusted (as shown in figure 3), we have been informed that GAL redesigned the subject interlock assemblies several years ago, by adding a "boss" in the contact base (as shown in figure 4) to eliminate "jamming" even in the case of any misadjustment.
Figure 1 - Type MO, old model - Interlock contacts in jammed position

Figure 2 - Type MO, old model - Interlock beak and contact misadjusted.
Contact pushed too far when door fully closed and door bumpers fully compressed.

Figure 3 - Type MO, old model - Interlock beak correctly adjusted.
When door fully closed and the door bumpers fully compressed, the interlock beak cannot push contacts into "jamming" position.

Figure 4 - Type MO, new model - New contact assembly with "boss" added.