

# Service Information Bulletin #2

## Nylon Universal Door Guides Installation Instructions

### DISCUSSION

It is important to make sure door guides (or gibs) are properly installed, and the correct parts are used, for several reasons:

- Safety: An improperly installed gib has the potential of causing an accident resulting in serious injury or worse.
- Insuring correct operation of equipment (door and door operator).
- Aesthetic appearance of the elevator car doors.

### INSTALLATION PROCEDURE

Please read all procedures before installing gibs.

1. The angle bracket must corner on the inside of the door and reach under the front edge of the door panel. The correct width bracket must be selected (Model DL or DW). If the bracket is too short, it can be bent up under the door and become ineffective. If the bracket is oversized, it can be seen in the lobby and be aesthetically objectionable.
2. The angle bracket is mounted to the door with three 10-32 X 3/8" self-tapping screws. Use a No. 21 drill to pilot the screw holes. Five chamfered holes are in the bracket to allow interchangeability with most angle designs in locating the screws. Make sure the screws are seated in the bracket. Tighten to the maximum extent possible without stripping the threads or breaking the screw. If a hole becomes stripped, drill another hole and reset the screw.

### WARNING

**All new hardware is supplied with the door guide kit. Never reuse existing hardware.**

3. The correct size gib should be selected for the job. The gib should be slightly smaller than the width of the groove in the door sill. Recommended clearance is 1/32". Measure the groove to order the correct size gib.
4. Door guide kits come with 3 sets of hardware (barrel nut and SEMS screw) to attach the gib to the angle bracket. All 3 sets of mounting hardware should always be used (even when, in the case of a replacement installation, there were only two sets used in the original installation). Three sets of hardware are 50% stronger than two.

The barrel nut should always be the component to be tightened down (with a screwdriver) in order to drive the lock washer teeth of the SEMS screw into

the angle bracket.

### **CAUTION**

Torquing the SEMS screw rather than the barrel nut will cause the SEMS screw not to hold. Proper installation can be checked by disassembling the barrel nut and SEMS screw and seeing the teeth marks around the hole in the bracket.

5. Model DL angle brackets have three pairs of bend down tabs; Model DW angle brackets have two pairs of bend down tabs. In the absence of a secondary retaining device like a “fire tab” which puts additional steel in the sill slot, the appropriate pair of tabs must be bent into the sill on either side of the gib so that in the event the gib fails, the tabs will provide metal to metal backup for the gib.

### **CAUTIONS**

Hardware (self-tapping screws, SEMS screws, barrel nuts) and gibs should never be reused. New hardware, gibs, and angle brackets, should always be used for new or replacement installations.

Hardware is designed to work as a system, with known capabilities. The strength and function of unmatched materials cannot be predicted or guaranteed. To mix hardware from various manufacturers is to be strongly discouraged.

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