

Nomad

SERVICE LETTER

00-2

AIRCONDITIONING — CABIN HEATING ALTERNATIVE REPLACEMENT AND REPAIR PROCEDURES

INSTRUCTIONS

Insert Service Letter 00-2 into the service letter binder and annotate the index accordingly.

INTRODUCTION

Some difficulties have been encountered in the replacement of the cabin heating system components during overhaul of the system. The purpose of this Service Letter is to provide alternate installation information to facilitate removal and replacement of certain components. It also identifies a polyurethane repair procedure for the Distribution Box which is now available in the SRM.

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Cabin Heating Outlet Mounting Bracket

The anchor nuts on the bottom of the mounting brackets (1/N-74-261) may be riveted through the kick strip N22 PN 1A/N-11-223 (LH fwd), 1A/N-11-223 (LH aft) & 1/N-11-683 (RH), N24 PN 101/N-11-1018 (LH fwd), 101/N-11-1019 (LH aft) & 101/N-11-1020 (RH). This will facilitate replacement of the cabin side panels.

Footwarmer Outlet Bracket

These brackets (1/N-074-291) may be removed and appropriate anchor nuts installed onto the bracket to allow for easier removal and installation of the footwarmer P-clips. The washer currently installed under the nut, or a new washer if required, should be installed under the bolt head. This change may be carried out using standard practices or locally approved, if required, by an appropriate signatory.

Demist and Footwarmer Valves

The brackets may be removed and appropriate anchor nuts installed onto the inside of the bracket to allow for easier removal and installation of the footwarmer valves. The bolt will need to be passed through the bulkhead from the nose baggage compartment. The washer currently under the nut, or a new washer if required, should be installed under the bolt head. The rubber mounting pad is to be reinstalled under the valve bracket and cannot be omitted. This change may be carried out using standard practices or locally approved, if required, by an appropriate signatory.

Distribution Box Mounting

If the distribution box is removed, the mounting screws may be replaced by socket head cap screws to allow for easier installation and subsequent removal using a ball end socket wrench. NAS1352-08-4 is an approved alternative to the current screw (MS35206-242).

Connection of Ducts to Distribution Box

As originally manufactured both the cockpit and the left cabin heating ducts are currently glued onto the distribution box outlet pipes using epoxy resin. It may be desirable to remove these ducts in order to check on their condition.

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When reconnecting or replacing the ducts it is permissible for the 2 x 1½ inch flight compartment ducts and the 2 inch left side cabin duct to be secured to the heater distribution box using AN737 hose clamps of the following sizes:

2" – AN737–TW74

1½" – AN737–TW58

This alternative attachment method using hose clamps is to be introduced into the MM Chap 21–20–00 Sect 1.F.(6).

Distribution Box Polyurethane Foam Repair

If the polyurethane foam insulation on the exterior of the heater distribution box is cracked or otherwise damaged, it should be repaired in accordance with the method detailed in the SRM Chap 51–20–01.

VIC BIBBY

TECHNICAL SERVICES MANAGER