AVIDYNE

# SERVICE BULLETIN

## 1. Planning Information

### 1.1 Effectivity/Compatibility

This Service Bulletin applies to all Avidyne FlightMax 800 units with the following hardware part number:

| Part Number | Rev. |
|---|---|
| D98-00001-58-G | 03 |

### 1.2 Concurrent Requirements

None



### 1.3 Reason

It was discovered that on some installations, the latch mechanism was not keeping tension on the unit, allowing it to freely slide out of position. A revised latch mechanism fixes the problem.

### 1.4 Description

This modification consists of removing the old latch assembly, and replacing it with the new one. This operation is conducted on the bench.

### 1.5 Compliance

This Service Bulletin is madatory for all FlightMax 800 units.

### 1.6 Approval

The accomplishment instructions contained in Section 3 are FAA approced. No other portion of this service bulletin is FAA approved.

### 1.7 Manpower

Replacement of the latch mechanism should take one person approximately 60 minutes.

### 1.8 Weight and Balance

No change. The new mechanism is essentially the same weight and at the same moment-arm as the old.

### 1.9 Electrical Load Data

No change.

### 1.10 Software Accomplishment

Not applicable.

### 1.11 Reference

Installation manual p / n 600-00067 Rev 08.

### 1.12 Publications affected

None.

PRELIMINARY

## 2. Material – Cost and Availability

Cost: Contact Avidyne at 1-888-AVIDYNE

Availability: Contact Avidyne at 1-888-AVIDYNE

This modification must be performed by an authorized FAA repair station.

PRELIMINARY

# 3. Accomplishment Instructions

## 3.1 Removal of the FlightMax 800 from the aircraft

1. Loosen the unit rack locking key with a size 3/32" Allen wrench. Note the length of this wrench must be a minimum of 3.5 inches.

2. Remove the unit from the radio rack.

## 3.2 FlightMax 800 Disassembly

This procedure should be performed on the bench. Power should NOT be applied to the unit.



1. Remove the 17 screws marked "A" which secures the lid to the unit.

2. Carefully slide the cover off the unit. Note that a ribbon cable connects a memory device on the lid to the base of the unit.

3. Remove the ribbon cable from the memory device.

4. Remove the 4 screws marked "B" which secures the latch mechanism to the lid.

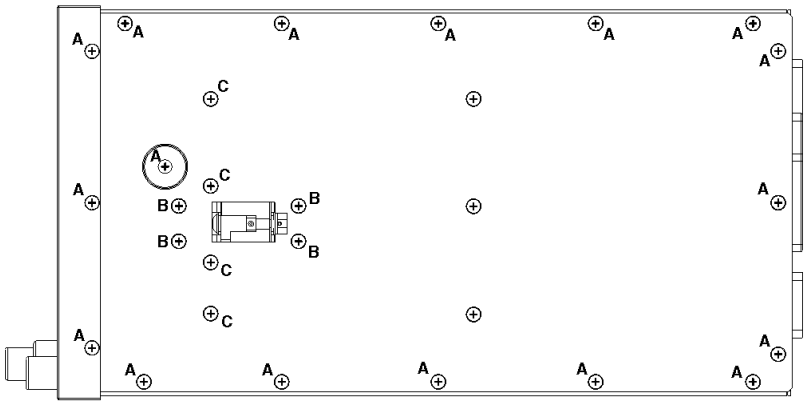
5. The 4 screws marked "C" may need to be removed to allow the completion of step 6.

6. Position the new latch mechanism in place, and re-secure with 4 screws in the locations marked "B." Torque should be 5.0 – 5.5 in lb. Check that the head of the socket-head screw (part of the latch mechanism assembly) faces the front of the unit (towards the display).

7. Re-connect the ribbon cable to the memory device on the lid.

8. Slide the cover back on the unit, and re-secure with the 17 screws from step one. Torque should be 5.0 – 5.5 in lb. Note that assembly is easiest if the one pan-head screw is assembled first, before the 16 flat-head screws.

9. Insert a 3/32" Allen wrench into the proper hole in the bezel, checking that the latch mechanism turns and slides freely.



### 3.3 Re-Installation of FlightMax 800 into the aircraft

Note that re-insertion into the tray is best accomplished if the latch mechanism is in the rear position – turn the Allen counter-clockwise until it stops.