

SB 3308-06 Service Bulletin

Date: April 8, 2008

Regarding: SN3308 operating with Directional Gyro in "Free Gyro Mode"

Reason

To notify SN3308 users of new installation data.

Applicability

The SN3308 is installed as a heading repeater (no direct fluxgate connection) and interfaced with a Directional Gyro (DG) that "Flags Invalid" when operated in "Free Gyro Mode".

Description

When the DG is placed into "Free Gyro Mode" (allowing manual slewing of the gyro compass heading) some DG's change their Valid Flag output signal from "Valid" to "Not Valid". When the SN3308 senses this signal in the "Not Valid" state, by design, the SN3308 will stop displaying the compass rose until the Gyro Valid Flag signal transitions back to the "Valid" state.

Installation Manual Doc. 90106-IM Revision H, shows additional installation instruction for an optional manual override switch to force the SN3308 Gyro Valid input to a valid state when operating the DG in the "Free Gyro Mode". In this state the SN3308 will not remove the compass rose while the gyro heading is manually slewed by the operator. An annunciator lamp notifies the pilot the state of the manual override switch.

Installations that apply this service bulletin will also require a revision to the Aircraft Flight Manual Supplement (AFMS). Refer to the SN3308 Navigation Display Installation Manual Document 90106-IM Revision H for suggested AFMS language.

Compliance

Recommended

Warranty Reimbursement

None

Manpower

Variable

Approval

This modification does not affect the original approval.

Identification

No change

Testing

Refer to ground test section of SN3308 Navigation Display Installation Manual Document 90106-IM Revision H.

Documentation

SN3308 Navigation Display Installation Manual Document 90106-IM Revision H.

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