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**\*\*MANDATORY\*\***  
**STC SERVICE BULLETIN**  
**NO.: 22092 Rev A**

**TO:** All Garmin Aviation Service Centers  
**DATE:** October 28, 2022  
**SUBJECT:** Corrective Action for G1000® NXi Phenom EMB-500/-505 Aircraft with CVR Interface  
**CERTIFICATION AUTHORIZATION:** STC SA01933WI (see Approval section for details)

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**PRODUCTS AFFECTED**

Embraer S.A EMB-500 (Phenom 100) and EMB-505 (Phenom 300) aircraft equipped with G1000 NXi Integrated Flight Deck installed per AML STC SA01933WI are affected if the following applies:

- System Software Version is 3643.00 thru 3643.04, AND
- GMA™ 1360D audio panels are installed, AND
- 3<sup>rd</sup> party cockpit voice recorder (CVR) is interfaced to the Garmin G1000 audio system.



**NOTE**

G1000 NXi configuration that use the GMA 1347D audio panels or that DO NOT use a CVR are not affected by this service bulletin.

**PURPOSE**

Cross-side audio is not provided by GMA #1 to the optional third-party CVR. This service bulletin approves G1000 System Software Version 3643.06 as a required corrective action for this CVR interface non-compliance issue.

**DESCRIPTION**

This service bulletin provides instructions for locating and downloading STC documents, and loading software.

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## **MATERIAL INFORMATION**

### **Data Download Instructions**

1. Documents are included in Embraer Prodigy 100 NXi (or 300 NXi) MDL Rev 8, SA01933WI within the Dealer Resource Center section of the web <https://dealers.garmin.com>
2. Click on the publication name to view a document or click on Download to save a document to the computer. website <https://dealers.garmin.com>.

## **COMPLIANCE**

**MANDATORY:** This STC Service Bulletin must be accomplished at the next maintenance interval or biennial inspection, no later than October 31, 2023.

## **APPROVAL**

The data referenced in this STC Service Bulletin is FAA-approved in accordance with AML STC SA01933WI MDL 005-001385 Rev 8.

## **DOCUMENTATION CONSIDERATIONS**

Existing Airplane Flight Manual Supplements, Cockpit Reference Guides, and Pilot Guides are retained for this installation.

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

## **REFERENCES**

**Table 1 - References**

<b>Document Title</b>	<b>Part Number</b>	<b>Revision (or later)</b>
Master Drawing List Embraer Phenom Garmin G1000 Integrated Avionics System Updates	005-01385-00	8
G1000 NXi System Maintenance Manual Embraer Phenom P100 (EMB-500)	190-02545-02	5
G1000 NXi System Maintenance Manual Embraer EMB-505 Phenom 300	190-02545-12	3

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

## **MANPOWER**

Four (4) hours labor to load software.

### **WARRANTY INFORMATION**

This Service Bulletin is warranty reimbursable for the manpower listed above with a deadline of October 31, 2023. To ensure proper reimbursement when completing the warranty claim indicate the following:

- Indicate compliance with STC Service Bulletin 22092
- Aircraft make and model
- Aircraft serial number and registration
- GMA 1360D Serial Number
- Current G1000 NXi System Software Version
- CVR model and part number

### **MODIFICATION INSTRUCTIONS**

Refer to Garmin STC Service Bulletin 22093 for instructions on loading System Software 3643.06 and checkout procedures.