

OPTIONAL SERVICE BULLETIN

OSB 40-084

1 TECHNICAL DETAILS

1.1 Category

Optional

1.2 Airplanes affected

Type: DA40

Serial Numbers: all

1.3 Date of effectivity

16-Apr-18

1.4 Time of Compliance

At owner's discretion

1.5 Subject

This service bulletin covers only the installation of a COM/GPS combo antenna when Garmin STC #SA01714WI (GTX 345 Transponder installation) is installed. Installation of GTX 345 unit is not covered by this service bulletin; refer to the Garmin STC for unit installation.

1.6 Reason

Garmin's STC does not include the installation of a GPS antenna required with certain software levels. The installation of Garmin GTX 345 Transponder (ADS-B In/Out) requires the minimum below software to utilize aircraft's existing GPS as a position source.

ADS-B Position Source	Description	Version	Part No.
GIA 63W	Main software	6.40.1	006-B0544-3E
	GPS/WAAS Engine	5.00	006-B0339-20

The DA40-180 software is below these software levels, and therefore requires a separate GPS antenna to be installed with this STC.

1.7 Concurrent Documents

None

1.8 Approval

Engineering data referenced or contained in this service bulletin is approved as part of the typed design.

1.9 Accomplishments / Instructions

Comply with WI-OSB40-084, latest effective issue.

1.10 Mass (Weight) and CG

The change in mass and CG is negligible.

2 PLANNING INFORMATION**2.1 Material and Availability**

See WI-OSB 40NG-084, latest effective issue.

2.2 Special Tools

None

2.3 Labour Effort

Approx. 12 hours

2.4 Credit

None

2.5 Reference Documents

DA40 Series Airplane Maintenance manual, Doc. No. 6.02.01, latest effective issue
Garmin STC #SA01714WI (GTX 3XX Part 23 AML STC Installation Manual)

3 REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, in particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. In case of doubt contact Diamond Aircraft Industries Inc.



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London, Ontario, Canada
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EXECUTION REPORT TO SERVICE BULLETIN OSB40-084

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine _____

Typical operation of airplane private, club, training, other _____

Date, Name, Sign

Please email the completed form to techpubs@diamondair.com.