

SERVICE INFORMATION NO. SI 20E-011

NOTE: SI's are used **only**:

- 1) To distribute information from DAI to our customers.
- 2) To distribute applicable information / documents from our suppliers to our customers with additional information.

Typically there is no revision service for SI's. Each new information or change of that will be send along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

all DV 20 E airplanes

1.2 Subject:

GARMIN Service Bulletin No. 2082 Rev. A

ATA-Code: 34-00

1.3 Reason:

GARMIN has issued Service Bulletin No. 2082 Revision A regarding the update of the GPS Software for the Garmin GTN 6XX/7XX avionic.

1.4 Information:

For detailed technical information refer to GARMIN Service Bulletin No. 2082 Rev. A which is applicable without any further additions or restrictions.

II. OTHERS

GARMIN Service Bulletin No. 2082 Rev. A is attached to this Service Information.

In case of doubt contact GARMIN Ltd.



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SERVICE BULLETIN

NO.: 2082 Rev A

TO: All Garmin Aviation Service Centers
DATE: July 2, 2020
SUBJECT: GTN 6XX/7XX GPS Date

PRODUCTS AFFECTED

GTN 6XX/7XX products with GPS Software Version 5.2 or earlier are affected.

PURPOSE

Beginning August 16, 2020, the GTN may report an incorrect GPS date in either of following situations:

- the GPS receiver has not acquired a 3D navigation solution within the last 128 weeks
- a GPS/WAAS Engine Master Reset (config mode Diagnostics -> WAAS) is performed

An incorrect GPS date may result in the following:

- All installed databases with effective dates will show as not yet effective
- Weather datalinks (Sirius/XM, FIS-B, and Connex) will not display weather
- Flight data logs will display incorrect dates

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SOLUTION

This is corrected in GPS Software Version 5.3. Refer to Garmin Service Bulletin 2006 Rev B.

Do the following if the GPS date is incorrect and loading GPS software is not approved.

1. Use the instructions in the applicable GTN TSO Installation Manual (Section 6.16) to make a loader card with the Garmin GTN Date Calibration Tool Loader (Garmin part number 006-B3938-10).
2. With the GTN off, put the Garmin GTN Date Calibration Tool SD Card into the SD Card slot.
3. Energize the GTN. The unit will boot into the Date Calibration Tool page.

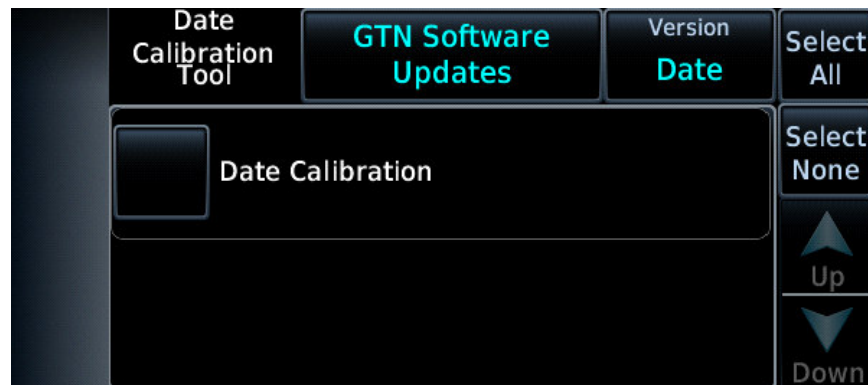


Figure 1. Date Calibration Page

4. Touch **Date Calibration**.
5. Touch **Update**.

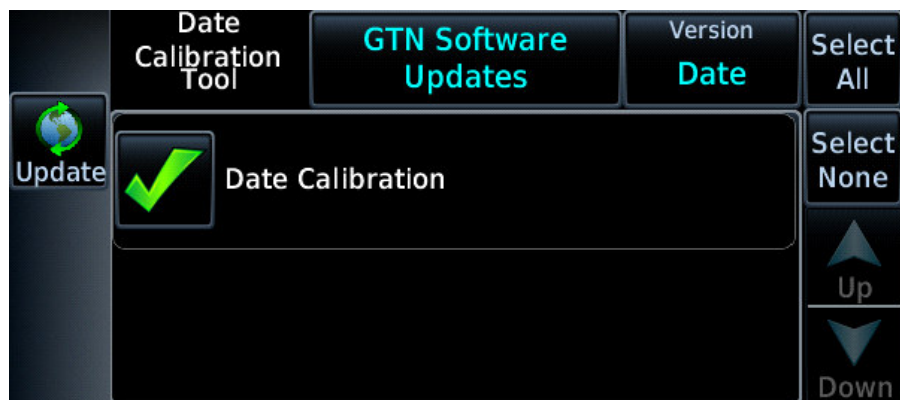


Figure 2. Update

6. Touch **OK**.

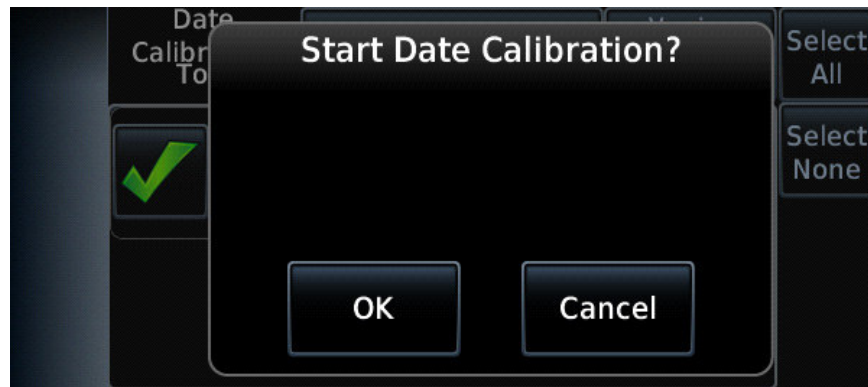


Figure 3. Start Date Calibration



NOTE

The GTN will indicate it is attempting to connect to the GPS/WAAS receiver. This may take up to 45 seconds.



Figure 4. Connecting to WAAS

7. If the calibration fails at this step, go back to Step 4.



NOTE

Once the connection is established, the tool will calibrate the date.

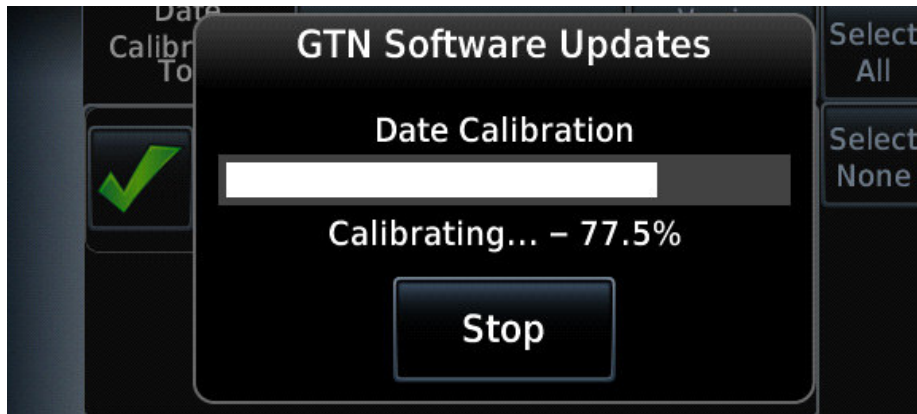


Figure 5. Date Calibration

8. Touch **OK** when the update is complete.

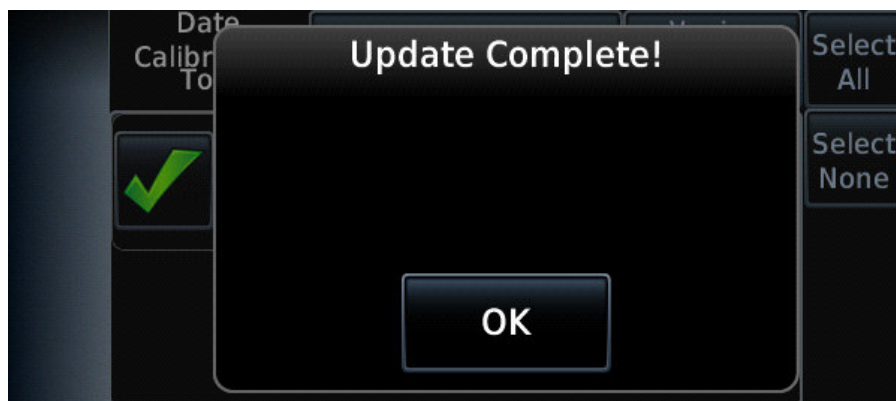


Figure 6. Update Complete

9. Stop power to the GTN.
10. Remove the Garmin GTN Date Calibration Tool SD Card.
11. Energize the GTN.
12. Allow the GPS to acquire a 3D navigation solution.

**NOTE**

The GTN will show a date of August 23, 2020 until it acquires a 3D navigation solution. Once a 3D navigation solution is acquired, the reported date will be correct.

**NOTE**

It may take up to 15 minutes for the GTN to acquire a 3D navigation solution.

**NOTE**

The above procedure will need to be repeated if the GPS receiver does not acquire a 3D navigation solution in another 128 weeks or a GPS/WAAS Engine Master Reset is performed.

COMPLIANCE

N/A

APPROVAL

No approval is required.

WARRANTY INFORMATION

This modification is not warranty reimbursable.

MATERIAL INFORMATION

GTN Date Calibration Tool Loader (Garmin part number 006-B3938-10)
<https://dealers.garmin.com>

Use the instructions in the applicable GTN TSO Installation Manual (Section 6.16) to make a loader card.