

## SERVICE INFORMATION NO. SI 20-086

**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 airplanes with GNS 4XXW or 5XXW installed.

#### 1.2 Subject:

GARMIN Service Bulletin No. 2083 Rev. A

ATA-Code: 34-00

#### 1.3 Reason:

GARMIN has issued Service Bulletin No. 2083 Revision A regarding the update of the GPS Software for the Garmin GNS 4XXW/5XXW avionic.

#### 1.4 Information:

For detailed technical information refer to GARMIN Service Bulletin No. 2083 Rev. A which is applicable without any further additions or restrictions.

### II. OTHERS

GARMIN Service Bulletin No. 2083 Rev. A is attached to this Service Information.

In case of doubt contact GARMIN Ltd.



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913-397-8200

## SERVICE BULLETIN

NO.: 2083 Rev A

**TO:** All Garmin Aviation Service Centers  
**DATE:** July 15, 2020  
**SUBJECT:** GNS 4XXW and GNS 5XXW GPS Date

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### PRODUCTS AFFECTED

GPS 400W, GNC 420W/AW, GNS 430W/AW, GPS 500W, and GNS 530W/530AW/TAWS products are affected.

### PURPOSE

Beginning August 16, 2020, the GNS 4XXW and GNS 5XXW may report an incorrect GPS date in either of the following situations:

- the GPS receiver has not acquired a 3D navigation solution within the last 128 weeks
- a unit Master Reset (holding the CLR button while energizing the unit) 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

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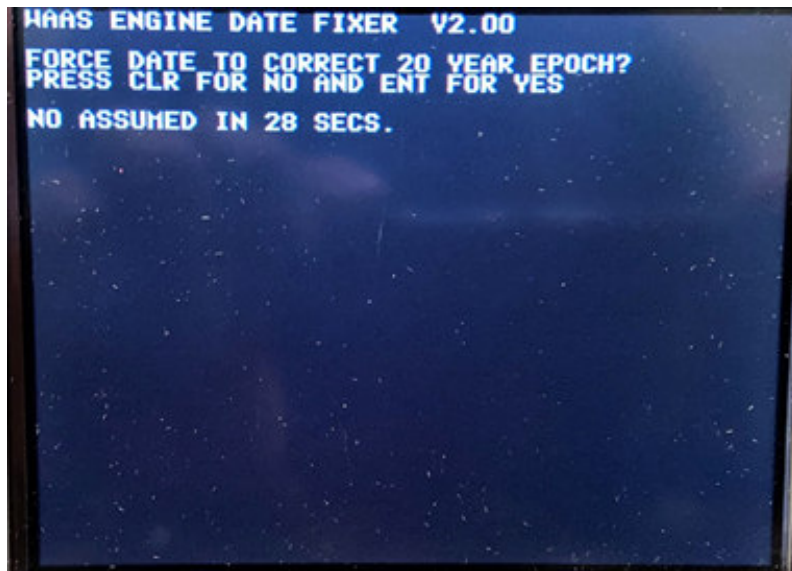
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## **SOLUTION**

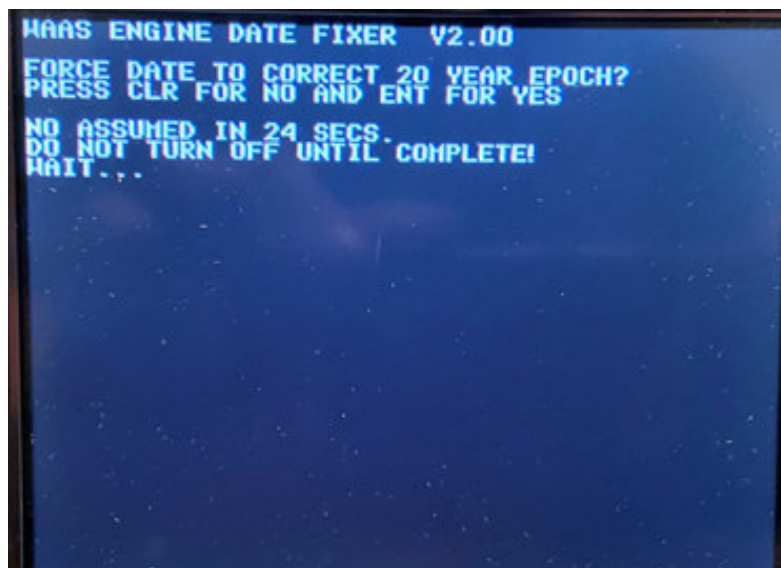
Do the following if the GPS date is incorrect.

1. Obtain an data card programmed with the Garmin GNS 400W/500W Date Fix software (Garmin part number 010-00706-DF).
2. With the GNS 4XXW/GNS 5XXW off, put the Garmin GNS 400W/500W Date Fix Card into the left SD Card slot.
3. Energize the GNS 4XXW/GNS 5XXW. The unit will boot into the WAAS Engine Date Fixer Tool page.



**Figure 1. Date Calibration Page**

4. Press the ENT key.

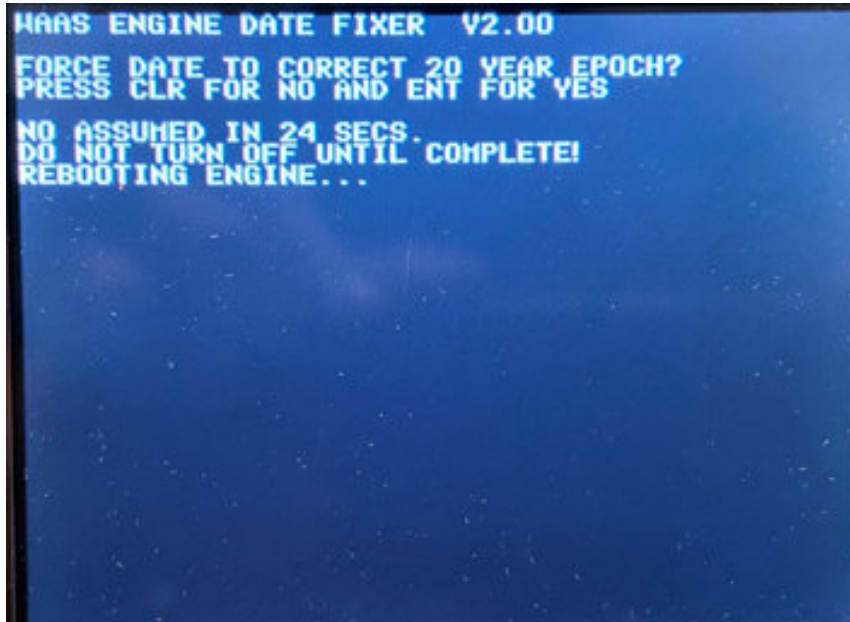


**Figure 2. Start Update**



**NOTE**

The GPS receiver will reboot.

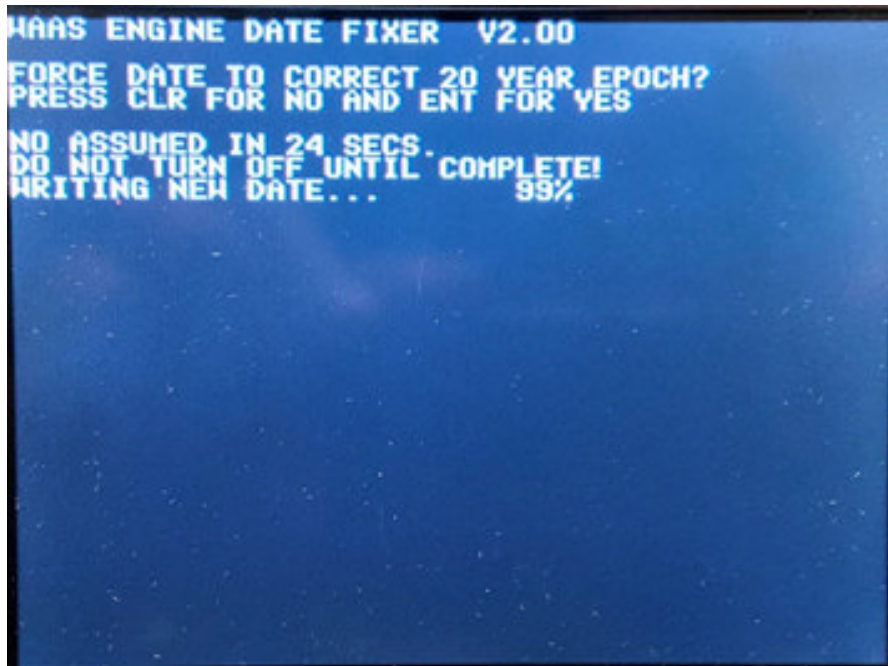


**Figure 3. GPS Reboot**



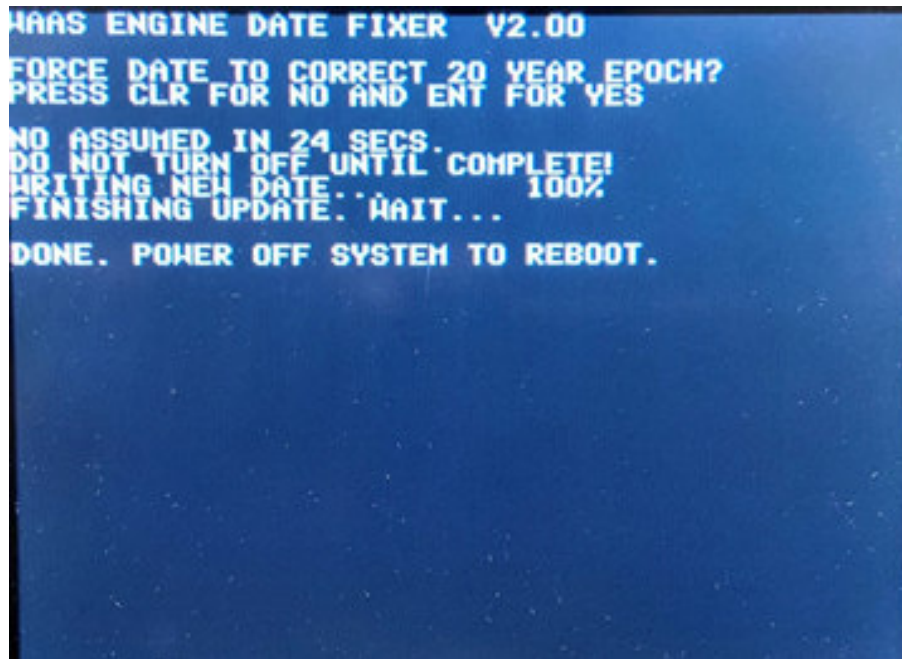
**NOTE**

The tool will force a new date into the GPS receiver.



**Figure 4. New Date**

5. When the update is complete, stop power to the GNS 4XXW/GNS 5XXW.



**Figure 5. Update Complete**

6. Remove the Garmin GNS 400W/500W Date Fix Card.
7. Energize the GNS 4XXW/GNS 5XXW.
8. Allow the GPS to acquire a 3D navigation solution.



**NOTE**

It may take up to 15 minutes for the GNS 4XXW/GNS 5XXW to acquire a 3D navigation solution.

9. Make sure the unit date is correct by accessing the Date/Time option on the SETUP AUX page.

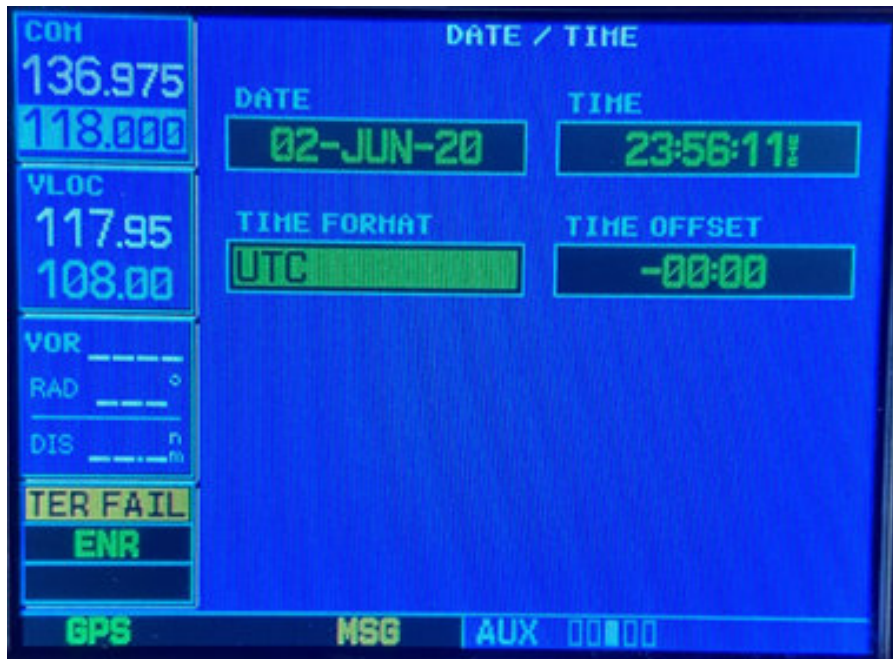


Figure 6. Date/Time



**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 if a Master Reset is performed.

**COMPLIANCE**

N/A

**APPROVAL**

No approval is required.

**WARRANTY INFORMATION**

This modification is not warranty reimbursable.

**MATERIAL INFORMATION**

Garmin GNS 400W/500W Date Fix software (Garmin part number 010-00706-DF)