



3700 Interstate 35 South
Waco, TX 76706-3756 USA

Service Information Letter

SIL FFS07

Subject: Incorrect Date on GPS Navigator Systems does not affect navigation

GPS Navigators can Display an incorrect date, which may be related to the GPS WNRO (Week Number Roll Over) that occurred on 21 August 1999. This is the date that the GPS satellites had the weekly clock reset to 0 from 1024. Most GPS receivers will exhibit this same weekly count and also reset at week 1024.

This SIL describes how the incorrect date affects data and which units are affected including possible solutions and suggestion on to correct this issue.

Description

- The **Date** in the Aux page System Status *Date and Time* is displayed incorrectly. However, the day of the week and the time of day are displayed correctly.
- The **Date** on the Serial and or Digital output is incorrect.
- Some unit will not give the message Data Base Expired even though it could be.
- The issue does not affect the GPS Position.

Solution

The Approach units listed below may be updated to revision "M" or later approved software and will then display the correct date.

Approach GPS units:

| Part Number | Type | Solution |
|---------------------------|------------------------|----------------|
| 81438-XX-240A, B, C, D | 2101 Approach Plus | Update to 240M |
| 81438-XX-23X or 242A, B | 2000 Approach | Update to 242M |
| 81439-XX-240A, B, C, D | 2101 Plus | Update to 240M |
| 81439-XX-23X or 242A, B | 2101 Approach | Update to 242M |
| 81440-XX-241A, B, C, D, H | 2101 I/O Approach Plus | Update to 241M |
| 81440-XX-23X or 243A, B | 2101 I/O Approach | Update to 243M |

- Hardware modification may also be required to support the upgrade to revision M or later approved software.
- If you have a 2101 I/O Plus with P/N 81440-XX-241J or later, the date is correct.

Solution

All other GPS Navigators:

Software support and Data Card update service, for the units listed in the table below, are *no longer available*, therefore no solution is forthcoming.

| Part Number |
|-------------|
| 13824-XX |
| 80265-XX |
| 80415-XX |
| 80821-XX |
| 80822-XX |
| 80823-XX |
| 80824-XX |

- Ignore the displayed date, as navigation is not affected.
- Verify your old navigation database against current charts.

Thank you for your patience and continued support.

Please contact FreeFlight Support if additional information is required.

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