TITLE
NAVIGATION - TRANSMITTAL OF GARMIN SERVICE ADVISORY NO 1612 2015 IGRF (INTERNATIONAL GEOMAGNETIC REFERENCE FIELD) MAGNETIC FIELD MODEL

EFFECTIVITY
The airplanes that follow that are equipped with a Garmin Integrated Flight Deck (ex. G1000, G2000).

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SERIAL NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17281241 and On</td>
</tr>
<tr>
<td>172S</td>
<td>172S9810 and On</td>
</tr>
<tr>
<td>182T</td>
<td>18281228 and On</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208232 and On</td>
</tr>
<tr>
<td>206H</td>
<td>20608216 and On</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608450 and On</td>
</tr>
<tr>
<td>350 (LC42–550FG)</td>
<td>42502 thru 42569, 421001 thru 421010</td>
</tr>
<tr>
<td>400 (LC41–550FG)</td>
<td>41563 thru 41800, 411001 thru 411161</td>
</tr>
<tr>
<td>T240</td>
<td>T24002001 and On</td>
</tr>
</tbody>
</table>

REASON

DESCRIPTION
This service letter transmits Garmin Service Advisory NO 1612 2015 IGRF (International Geomagnetic Reference Field) Magnetic Field Model.

COMPLIANCE
INFORMATIONAL. This service letter is for informational purposes only.

REFERENCES
Garmin Service Advisory NO 1612 2015 IGRF (International Geomagnetic Reference Field) Magnetic Field Model

PUBLICATIONS AFFECTED
None

ACCOMPLISHMENT INSTRUCTIONS
1. Do the attached Garmin Service Advisory NO 1612 2015 IGRF (International Geomagnetic Reference Field) Magnetic Field Model.
2. Make an entry in the airplane logbook that states compliance and method of compliance with this service letter.
TITLE
NAVIGATION - TRANSMITTAL OF GARMIN SERVICE ADVISORY NO 1612 2015 IGRF (INTERNATIONAL GEOMAGNETIC REFERENCE FIELD) MAGNETIC FIELD MODEL

TO:

REASON

COMPLIANCE
INFORMATIONAL. This service letter is for informational purposes only.
SERVICE ADVISORY
NO.: 1612 Rev A

TO: Owners and Operators of Garmin Integrated Flight Decks and G500/G600 systems
DATE: July 11, 2016
SUBJECT: 2015 IGRF (International Geomagnetic Reference Field) Magnetic Field Model

AFFECTED PRODUCTS
All Garmin Integrated Flight Decks (G900X, G950, G1000, Cirrus Perspective™, Embraer Prodigy™, G2000, G3000, G5000, and Embraer Prodigy® Touch systems) are affected, except those installed in LearJet aircraft.

NOTE
LearJet installations are covered by a separate service bulletin.

G500/G500H/G600 systems that include a GRS 77 are also affected.

NOTE
G500/G500H/G600 systems that include a GRS 7800 are covered by a separate service bulletin.

DESCRIPTION
The 2015 IGRF Magnetic Field Model is now available. Refer to the RESOLUTION section for instructions on how to update the IGRF Magnetic Field Model. Completion must be accomplished before December 31, 2016.

RESOLUTION

G500/G500H/G600 Systems that include a GRS 77
The 2015 IGRF Magnetic Field Model is available to update as part of the navigation database cycle 1609 (and subsequent database cycles).

1. Update the navigation database as described in the applicable pilot's guide.
2. At the following prompt, select “OK” to update the IGRF Magnetic Field Model.

NOTE
For systems with multiple GRS units installed, a similar message will appear for each GRS.
SERVICE ADVISORY

Garmin Integrated Flight Decks with GIA software versions less than 7.00 and greater than 7.71

The 2015 IGRF Magnetic Field Model is available to update as part of the navigation database cycle 1609 (and subsequent database cycles).

1. Update the navigation database as described in the applicable pilot's guide.
2. At the following prompt, select "OK" to update the IGRF Magnetic Field Model.

![Image]

NOTE

For systems with multiple GRS units installed, a similar message will appear for each GRS.

Garmin Integrated Flight Decks with GIA software versions 7.00 to 7.71

After updating to navigation database cycle 1609 (or subsequent database cycles), the following prompt will show on the display. Selecting “OK” to update the IGRF will result in a timeout error. The IGRF will not be updated.

![Image]

To update the IGRF do the following:

1. Put a blank SD card in your PC's SD card reader/writer.
2. Go to fly.garmin.com/fly-garmin/redirect/magvar-update.
3. Download one of the following 2015 IGRF database files.
   - 006-B1330-01 - G900X, G950, G1000, Cirrus Perspective, and Embraer Prodigy
   - 006-B1330-02 - G2000, G3000, G5000, and Embraer Prodigy Touch systems
4. Open the database file.
5. Obey the onscreen prompts to save the database to the SD card.
6. Eject the SD card.
7. Put the SD card in the top slot of PFD1.
8. Energize the system.
9. This prompt will show on the display.

NOTE

The screenshot below is for reference only. Actual GDU software version shown may differ depending on the version of the current GDU software.

INITIALIZING SYSTEM
CHECKING SOFTWARE VERSION.
GDU SOFTWARE VERSION 15.00 DETECTED. PLEASE WAIT FOR THE SYSTEM TO INITIALIZE. 0% COMPLETE
10. The system will reboot and start uploading the 2015 IGRF Magnetic Field Model.
SERVICE ADVISORY

11. When the update is complete this prompt will show on the display.

12. Remove the SD card.

13. Stop power to the system.