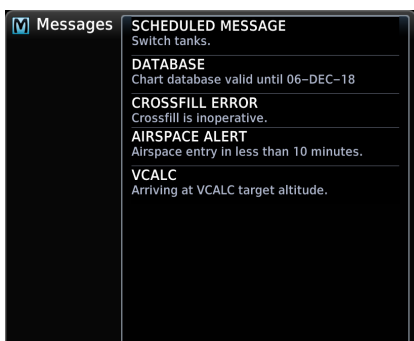# 8 Messages

Advisory Messages

Message List

Advisories are system-related messages relative to the display.

- Most recent advisories appear at the top of the message list
- View-once advisories remain in queue until viewed by the pilot
- Persistent (or conditional) advisories remain active until the indicated condition is resolved

Dual GTN Installations

Advisory messages are not crossfilled between GTN units. Each unit displays messages based on the data it receives. This may result in duplicate messages between units.

Always view the messages on both GTNs to ensure that all information is received.

Message Key

This key displays in the unit's control bar when an advisory condition is present. Tapping **MSG** once displays an advisory list. Tapping it again acknowledges all active advisories and closes the list.

The key no longer displays after all active advisories are cleared.

The key flashes when a new advisory is present.

It turns solid once all active advisories are acknowledged.

Airspace Advisories

Alerted airspace types are based on pilot settings in the Airspace Alerts page. These advisories are informational only. No action is necessary.

ADVISORY	CONDITION
AIRSPACE ALERT Inside airspace.	Aircraft is inside alerted airspace.
AIRSPACE ALERT Airspace within 2 nm and entry in less than 10 minutes.	Alerted airspace is within 2 nm of the path and projected to enter in less than 10 minutes.
AIRSPACE ALERT Airspace entry in less than 10 minutes.	Aircraft is projected to enter alerted airspace in less than 10 minutes.
AIRSPACE ALERT Within 2 nm of airspace.	Alerted airspace is less than 2 nm from the aircraft. May not be projected to enter the airspace.

Database Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
CROSSFILL ERROR GTN Navigation DB mismatch.	Navigation databases do not match between GTNs, resulting in a loss of communication between the two units.	Verify that the database version specified by both GTNs is up to date. Update the database if needed.
DATABASE Database not unlocked for this system.	A system ID mismatch between the database and the system unit results in a database installation failure.	Re-download and install all databases. Contact a Garmin dealer for support.
DATABASE Terrain or Obstacle database not available.	The Terrain or Obstacle database is missing or corrupt.	Re-download and install the indicated database. Contact a Garmin dealer for support.
DATABASE Terrain display unavailable for current location.	Terrain/TAWS function unavailable. Terrain database cannot provide elevation at the current GPS position. Aircraft is outside the database coverage area.	Load appropriate coverage area onto the external datacard.
DATABASE Verify user-modified procedures in stored flight plans are correct.	Navigation database updates and the stored flight plan contains user-modified procedures.	Verify the procedures are correct.
DATABASE Verify airways in stored flight plan are correct.	The stored flight plan contains an airway that is inconsistent with the current navigation database.	Verify all airways are correct. If necessary, reload airways to the stored flight plan routes.
DATABASE A procedure has been modified in a cataloged flight plan.	Database update causes flight plan to exceed 100 waypoint limit. Procedure is removed or truncated as a result.	Verify cataloged flight plan and procedures are correct. If necessary, reload procedures to the stored flight plan routes.

ADVISORY	CONDITION	CORRECTIVE ACTION
DATABASE Chart database valid until [date].	The charts database is approaching expiration.	Verify expiration date: Home > **System** > **System Status** > **Active** tab If available, load the next cycle of the charts database into standby.
	The charts database is expired.	Update the database if necessary for operation.
DATABASE Chart function unavailable.	Charts database verification failure.	Re-download and install the indicated database. Contact a Garmin dealer for support.
DATABASE Chart database incomplete. Some charts may be unavailable.	Charts database verification failure.	Re-download and install the indicated database. Contact a Garmin dealer for support.
DATABASE Terrain database is not installed, is corrupt, or is not valid for this system.	Terrain database is not available at system startup. Terrain information and alerts do not display. The database may be corrupt, not present, or not authorized for the unit.	Re-load the database on the external datacard.
DATABASE Chart Streaming unavailable. Using installed chart database from datacard.	Chart streaming not available. GTN reverted to the currently installed charts.	Open the System Status page and check database synchronization status. If the problem persists, contact a Garmin dealer for support.
DATABASE SYNC in progress. View System Status page for more info.	Database synchronization is in progress.	Wait for database synchronization to complete. Restart GTN to use new databases.
MAGNETIC VARIATION Aircraft in area with large mag var. Verify all course angles.	Magnetic variation flagged as unreliable in the MagVar database. Typically occurs when operating at high latitudes that do not support a magnetic NAV angle.	Verify that the geographical region supports navigation based on magnetic variation.

Datalink Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
DATALINK ADS-B In fault: UAT receiver.	ADS-B In source detects a UAT receiver fault.	Service required. Contact dealer for support.
DATALINK ADS-B In fault: 1090 receiver.	ADS-B In source detects a 1090 receiver fault.	
DATALINK FIS-B weather has failed.	FIS-B receiver reports a failure. FIS-B products may not display.	
DATALINK GDL 69 is inoperative or connection to GTN is lost.	GTN loses communication with GDL 69/69A. Datalink data not available.	1. Close the GDL 69/69A circuit breaker. 2. Verify that the GDL 69/69A unit is receiving power. 3. Ensure the aircraft has a clear view of the sky. 4. Verify subscription status is active (Home > **System** > **External LRUs**, locate GDL 69/69A and tap **More Info**). 5. Contact dealer for service.

ADVISORY	CONDITION	CORRECTIVE ACTION
DATALINK GDL 88 ADS-B failure. Unable to transmit ADS-B messages.	GDL 88 cannot transmit the ADS-B message due to an internal failure or an antenna failure.	Service required. Contact dealer for support.
DATALINK GDL 88 ADS-B fault.	GDL 88 detects a fault with one of the UAT/1090 antennas.	
DATALINK GDL 88 ADS-B fault. Pressure altitude input is invalid.	GDL 88 loses communication with the pressure altitude source.	
DATALINK GDL 88 ADS-B is not transmitting position. Check GPS devices.	GDL 88 detects a position input fault.	
DATALINK GDL 88 configuration module needs service.	GDL 88 detects a configuration module fault.	
DATALINK GDL 88 control input fault. Check transponder is in correct mode.	GDL 88 loses communication with the transponder.	Service required. Contact dealer for support.
DATALINK GDL 88 is inoperative or connection to GTN is lost.	GTN loses communication with the datalink device (GDL 88). Traffic and/or FIS-B weather data not available.	
DATALINK GDL 88 needs service.	GDL 88 reports an internal fault.	

ADVISORY	CONDITION	CORRECTIVE ACTION
DATALINK GSR 56 data services inoperative; registration required.	GSR 56 requires registration. The following GSR services are not available: • Weather • Position Reporting • Phone	1. Register the GSR 56. 2. Activate a Connext subscription. 3. Contact dealer for service.
DATALINK GSR 56 is inoperative or connection to GTN is lost.	GTN loses communication with GSR 56. The following GSR services are not available: • Weather • Position Reporting • Phone	1. Close the GSR 56 circuit breaker. 2. Verify that the GSR 56 unit is receiving power. 3. Contact dealer for service.

Flight Plan Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
FLIGHT PLAN IMPORT Flight plan import failed.	Unit unable to decode flight plan contents. Wireless import of the requested flight plan not possible.	Check for proper operation of all necessary components. If the problem persists, contact dealer for service.
FLIGHT PLAN IMPORT Flight plan import failed. Catalog is full.	The flight plan catalog is full. Wireless import of the requested flight plan not possible.	Delete any unnecessary flight plans from the catalog.
FLIGHT PLAN IMPORT New imported flight plan(s) available for preview.	Unit receives the specified number of flight plans via the import function. They are available for viewing on the Preview page.	No action necessary.
FLIGHT PLAN IMPORT Changes to active route are disabled.	Unit receives a flight plan from G3X Touch, but the External FPL Crossfill function is off.	Service required. Contact dealer for support.
FLIGHT PLAN IMPORT GDU disconnected. External flight plan crossfill inoperative.	Unit loses communication with the G3X Touch.	Verify that the GDU is on. Contact dealer for service.
FPL WAYPOINT LOCKED Stored flight plan waypoint is not in current navigation database.	Current navigation database no longer contains a stored flight plan waypoint.	Verify all stored cataloged flight plans and procedures. Modify stored flight plans as necessary to include waypoints that are in the current navigation database.
FPL WPT MOVED Stored flight plan waypoint has changed location.	A waypoint in a stored flight plan moved by more than 0.33 arc minutes from its previous position.	Verify stored cataloged flight plans and procedures. Modify stored flight plans as necessary to include waypoints that are in the current navigation database.

ADVISORY	CONDITION	CORRECTIVE ACTION
LOCKED FLIGHT PLAN Cannot activate a flight plan containing a locked waypoint.	User is attempting to activate a flight plan that contains a locked waypoint.	Modify flight plan as necessary to include waypoints, procedures, and airways that are in the navigation database.
OBS OBS is not available due to dead reckoning or no active waypoint.	OBS not supported in dead reckoning mode. Requires an active waypoint.	No action necessary.
PARALLEL TRACK Parallel track not supported for leg type.	Parallel track not supported on active leg type.	
PARALLEL TRACK Parallel track not supported for turns greater than 120 degrees.	Parallel track not supported for turns greater than 120 degrees due to the acute angle.	
PARALLEL TRACK Parallel track not supported past IAF.	Parallel track not supported on approaches.	
STEEP TURN Steep turn. Aircraft may overshoot course during turn.	The flight plan contains an acute course change ahead. Following the guidance requires a bank in excess of normal. If coupled, the autopilot may not be able to execute the steep turn.	Slowing the aircraft may shallow the turn.

GPS/WAAS Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
GPS NAVIGATION LOST Insufficient satellites. Use other navigation source.	GPS position lost due to lack of satellites.	Wait for GPS satellite geometry to improve. Ensure the aircraft has a clear view of the sky. Use a different GPS receiver or a non-GPS based source of navigation. Contact dealer for service.
GPS NAVIGATION LOST Erroneous position. Use other navigation source.	GPS position lost due to erroneous position.	Use a different GPS receiver or a non-GPS based source of navigation. Contact dealer for service.
GPS RECEIVER Low internal clock battery.	GPS receiver indicates that its clock battery is low. May experience delay when attempting to acquire GPS position. Almanac data may be lost.	Contact dealer for service.
GPS RECEIVER GPS receiver needs service.	GPS receiver reports that it requires service. GPS module functionality may be unavailable.	Use a different GPS receiver or a non-GPS based source of navigation. Contact dealer for service.
GPS RECEIVER GPS receiver has failed. Check GPS coax for electrical short.	Internal communication to the GPS receiver is inoperative.	Use a different GPS receiver or a non-GPS based source of navigation. Contact dealer for service.
GPS SEARCHING SKY Ensure GPS antenna has unobstructed view of the sky.	GPS receiver is acquiring position and may take longer than normal. Typically occurs when the unit is powered on after installation or being off for several weeks.	No action necessary.
LOSS OF INTEGRITY (LOI) Verify GPS position with other navigation equipment.	GPS board reports LOI. Antenna may be shaded from satellites.	Ensure the aircraft is clear of hangars, buildings, trees, etc. Use a different GPS receiver or a non-GPS based source of navigation. If the problem persists, contact dealer for service.

Navigation Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
ABORT APPROACH GPS approach is no longer available.	GPS approach not available. GPS unable to provide approach level of service (i.e., LPV, LNAV, LNAV+V, or L/VNAV).	Initiate a climb to the MSA or other published safe altitude, abort the approach, and execute a non-GPS based approach.
APPROACH DOWNGRADE GPS approach downgraded. Use LNAV minima.	Approach downgraded from LPV or LNAV/VNAV to an LNAV approach. Vertical guidance no longer available.	Continue to fly the approach using published LNAV minimums.
APPROACH NOT ACTIVE Approach guidance not available.	GPS approach could not transition to active (e.g., the unit remains in TERM as it does not have the required HPL/VPL for LNAV).	Abort the approach and then execute a non-GPS based approach.
CDI/HSI FLAG Main lateral/vertical flag on CDI/HSI is inoperative.	Main Lateral/Vertical Superflag output is off due to an overcurrent condition.	Verify course guidance is valid and correct by crosschecking the unit's on-screen CDI with other navigational equipment. Contact dealer for service.
CDI SOURCE Select appropriate CDI source for approach.	Aircraft is on a GPS approach, but CDI is set to VLOC.	Select the appropriate CDI source for the approach.
	Aircraft is on VLOC approach, CDI is set to GPS, and aircraft is less than 2 nm from the FAF.	
HOLD EXPIRED Holding EFC time has expired.	It is past the specified Expected Further Clearance time for the user-defined hold.	No action necessary. Consider contacting ATC as appropriate.
MAGNETIC NORTH APPROACH Verify NAV angles are referenced to Magnetic north.	The loaded approach is magnetic, but the NAV angle reference is not.	Change NAV angle setting to Magnetic.

ADVISORY	CONDITION	CORRECTIVE ACTION
NAV ANGLE NAV angles are referenced to True north (T).	NAV angle is set to True.	No action necessary.
NAV ANGLE NAV angles are referenced to a user set value (U).	NAV angle is set to User.	
NON-WGS84 WAYPOINT Location may be different than where surveyed for <WPT>.	The active waypoint does not reference the WGS84 datum.	No action necessary. For more information, read "Points About Non-WGS84 Waypoints" in this section.
SELECT FREQUENCY Select appropriate NAV frequency for approach.	The active NAV frequency is not correct for the approach procedure.	Enter the correct frequency into the active NAV frequency window.
SET COURSE Set Course on CDI/HSI to <current DTK>.	The selected course on the CDI/HSI does not match the current desired track.	Set the CDI/HSI selected course to the current desired track.
TOD/BOD in 1 minute.	Aircraft will reach top/bottom of descent in 1 minute.	No action necessary.
TRUE NORTH APPROACH Verify NAV angles are referenced to True north (T).	The loaded procedure references True north and the active leg has a published True north reference.	Verify the NAV angle is set to True north.
VISUAL APPROACH NOT ACTIVE Approach guidance not available when direct-to runway.	A direct course was created to the runway waypoint. Approach guidance not available.	Reactivate the approach or cancel the direct course.
VNAV Unable to reach vertical waypoint.	Altitude constraint cannot be reached based on current ground and vertical speeds.	Attempt to intercept vertical path by adjusting aircraft altitude.

ADVISORY	CONDITION	CORRECTIVE ACTION
VNAV Unavailable. Upcoming flight plan leg not supported.	The lateral flight plan contains a procedure turn, vector, or other unsupported leg type prior to the active vertical waypoint.	Treat the flight plan segments before and after the affected leg as separate vertical profiles. GTN cannot provide automatic guidance between the two segments.
VNAV Unavailable. Excessive cross track error.	Crosstrack exceeds limit, causing vertical path guidance to become invalid.	Navigate within 10 nm of flight plan centerline, or edit flight plan to allow for vertical navigation.
VNAV Unavailable. Excessive track angle error.	Track angle error exceeds limit, causing vertical path guidance to become invalid.	Navigate within 70° of active flight plan course.
VNAV Unavailable. Barometric altitude lost.	A loss of data from the barometric altitude sensor causes vertical path guidance to become invalid.	Contact dealer for support.
WAYPOINT Arriving at [wpt name].	Pilot set the arrival alarm and is within the specified distance.	Informational only. No action necessary.

Points About Non-WGS84 Waypoints

- There are several types of geodetic datums that a waypoint can reference.
- TSO-C146 requires that all waypoints reference the WGS84 datum, but allows for navigation to coordinates not compliant with this standard as long as the pilot is notified of the potential difference in location.
- Not all waypoints in the navigation database reference the WGS84 datum. For some of these coordinates the reference datum is unknown. In such cases, the "Non-WGS84 Waypoint" advisory displays.
- Garmin cannot determine the exact proximity of a non-compliant waypoint to the WGS84 datum in use by the system. Typically, the distance is < 2 nm.
- Most non-WGS84 waypoints are outside of the United States.

Pilot Specified Advisories

These advisories display when the associated timer expires or reaches a preset value. They are informational only. Other than acknowledging the message, no action is necessary.

ADVISORY	CONDITION
SCHEDULED MESSAGE <Text>.	The custom message timer expired.
TIMER Timer has expired.	The generic timer is past its preset value.

System Hardware Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
APR GUIDANCE AVAILABLE Press "Enable APR Output" before selecting APR on autopilot.	Approach guidance is available and waiting for pilot acknowledgment.	Before engaging approach mode on the autopilot, tap the **Enable APR Output** key.
AUDIO FAIL Aural alerts unavailable. GTN needs service.	GTN is unable to play audio for alerts.	Contact dealer for service.
CONFIGURATION MODULE GTN configuration module needs service.	GTN cannot communicate with its configuration module. Unit configuration may still be valid.	Contact dealer for service.
COOLING GTN over temp. Reducing backlight brightness.	Unit temperature exceeds the over temperature threshold. Backlight dims to reduce power and heat.	Decrease cabin temperature and increase cabin airflow near the unit. If the problem persists, contact dealer for service.
COOLING FAN The cooling fan failed.	The unit's cooling fan is not turning at the required RPM. Backlight may dim to reduce power and heat.	Extended operation at high temperatures is not recommended as damage to the unit may occur. Contact dealer for service.
CROSSFILL ERROR GTN software mismatch.	Crossfill function is on, but not working due to a software mismatch.	Contact dealer for software update.
CROSSFILL ERROR Crossfill is inoperative.	The unit lost communication with the other GTN. One GTN requires service.	Contact dealer for service.
CROSSFILL STATUS Crossfill is turned off.	Crossfill function is off.	No action necessary. To re-enable, open the System Setup page and toggle the associated function key on.

ADVISORY	CONDITION	CORRECTIVE ACTION
DATA LOST Pilot stored data was lost. Recheck settings.	An error occurred in the pilot stored data. The following user settings may be lost. • Alert settings • Map menu settings • User waypoints • Catalog flight plans • User field settings • Unit convention selection	Recheck settings.
DATACARD ERROR SD card is invalid or failed.	The SD card has an error and is unreadable.	1. Reformat the SD card using an external computer. 2. Re-insert the SD card in the slot. 3. Contact dealer if the problem persists.
DATACARD REMOVED Reinsert SD card.	The external SD card was removed.	Reinsert SD card.
DATA SOURCE Heading source inoperative or connection to GTN lost.	GTN is not receiving heading information from any source. Heading up map orientation not available.	Contact dealer for service.
DATA SOURCE Pressure altitude source inoperative or connection to GTN lost.	GTN is not receiving pressure altitude data from any source. **NOTE:** A transponder receiving pressure altitude data from GTN will not receive pressure altitude while this condition is present.	Contact dealer for service.
DATA SOURCE Radar Altimeter source inoperative or connection to GTN lost.	GTN is not receiving radio altitude information from any source. 50 foot VCO aural alert not available. (HTAWS installations only).	

ADVISORY	CONDITION	CORRECTIVE ACTION
DEMO MODE Demo mode is active. Do not use for navigation.	The unit is in demo mode. Do not use for actual navigation.	Power cycle the unit to exit demo mode.
		Verify that the **Direct To** key is not stuck.
GTN GTN needs service.	Loss of factory calibration data.	Contact dealer for service.
INTERFACE ADAPTER GAD 42 configuration needs service.	GAD 42 reports a configuration error.	Verify all input/output data to/from the adapter. Contact dealer for service.
INTERFACE ADAPTER GAD 42 needs service.	GAD 42 reports it needs service. Functionality may be unavailable.	
INTERNAL SD CARD ERROR GTN needs service.	The unit's internal SD card has an error. This card is not accessible by the user.	Contact dealer for service.
INTERNAL SD CARD REMOVED GTN needs service.	The internal SD card has been removed from the unit or it has experienced a failure.	
KEY STUCK <Name> key is stuck.	System detects the indicated bezel key is depressed for at least 30 seconds. It will now ignore this input.	Push the indicated key again. If it remains stuck, contact dealer for service.
KNOB STUCK <Dual concentric inner/Volume> knob is stuck in the pressed position.	System detects the indicated knob is depressed for at least 30 seconds. It will now ignore this input.	• Push the knob again. If it remains stuck, use the corresponding touchscreen controls. • Contact dealer if the problem persists.

ADVISORY	CONDITION	CORRECTIVE ACTION
<NAME> LOG EXPORT <Name> log export failed.	Export failure. May occur for GPS receiver diagnostic or flight data logs.	1. Reformat the SD card using an external computer. 2. Re-insert the SD card in the slot. 3. Contact dealer if the problem persists.
<NAME> LOG EXPORT <Name> log export complete.	Export to SD card successful. Occurs for GPS receiver diagnostic and flight data logs.	No action necessary.
REMOTE KEY STUCK Remote <Name> key is stuck.	System detects the indicated remote key is depressed for at least 30 seconds. It will now ignore this input.	Push the indicated remote key again. If it remains stuck, contact dealer for service.

Audio Panel Advisories

AVAILABLE WITH:
GTN 725Xi/750Xi

ADVISORY	CONDITION	CORRECTIVE ACTION
AUDIO PANEL Audio panel needs service.	GMA 35 is reporting that it requires service. Functionality may be unavailable.	Service required. Contact dealer for support.
AUDIO PANEL Audio panel is inoperative or connection to GTN is lost.	Unit loses communication with GMA 35. Audio panel control is not possible.	Remove power from GMA 35 by pulling the Audio circuit breaker. Maintain communication using the COM 2 radio. Contact dealer for support.
REMOTE KEY STUCK Pilot/Co-pilot voice command push-to-command key is stuck.	System detects the key depressed for at least 30 seconds. It will now ignore the input signal. This input is not available on all installations.	Press the key again. If it remains stuck, contact dealer for service.

COM Radio Advisories

AVAILABLE WITH:
GTN 635Xi/650Xi/750Xi

ADVISORY	CONDITION	CORRECTIVE ACTION
COM RADIO COM radio needs service.	COM radio is reporting that it requires service. Functionality may be unavailable.	Cycle radio power. Contact dealer for service.
COM RADIO COM radio may be inoperative.	COM radio is not communicating with the unit.	Push and hold volume knob or external com remote transfer switch (if installed) to force the radio to 121.5 MHz. Contact dealer for service.
COM RADIO COM overtemp or undervoltage. Reducing transmitter power.	COM radio is in overtemp or undervoltage mode. Transmitting power automatically reduces to prevent damage to the com radio. Radio range is reduced as a result.	• Decrease length of com transmissions • Decrease cabin temperature and increase cabin airflow, especially near the unit • Check aircraft voltage and reduce electrical load as necessary • Contact dealer for service if message persists
COM RADIO COM locked to 121.5 MHz. Hold remote com transfer key to exit.	COM radio is locked to 121.5 MHz via the external com remote transfer switch.	Hold remote transfer switch for two seconds to exit mode.

ADVISORY	CONDITION	CORRECTIVE ACTION
REMOTE KEY STUCK COM <Name> key is stuck.	Unit detects the specified key in the pressed position for 30 seconds. The input is ignored as a result. Radio stops transmitting. Includes: • Push-to-talk key • Remote transfer key • Remote frequency increment key • Remote frequency decrement key	Verify that the key is not stuck. Contact dealer for service if message persists.

XPDR Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
TRANSPONDER 1/2 ADS-B is not transmitting position.	Transponder is not receiving valid GPS position data. Unable to support ADS-B.	Ensure the aircraft has a clear view of the sky. If the problem persists, contact dealer for service.
TRANSPONDER 1/2 ADS-B Out system fault. Pressure altitude source inoperative or connection lost.	Transponder loses communication with the pressure altitude source.	Contact dealer for service.
TRANSPONDER 1/2 Transponder has failed.	Transponder detects an internal failure. Functionality may be unavailable.	
TRANSPONDER 1/2 Transponder 1/2 needs service.	The transponder is reporting that it needs service. Functionality may be unavailable.	Verify squawk code and altitude with ATC. Contact dealer for service.
TRANSPONDER 1/2 Transponder 1/2 is inoperative or connection to GTN is lost.	GTN is unable to communicate with the configured transponder.	Verify squawk code and altitude with ATC. Contact dealer for service.
TRANSPONDER 1/2 Transponder 1/2 is operating in ground test mode.	Transponder is operating in a mode intended for ground testing.	Cycle power to the transponder once ground test completes.
TRANSPONDER1/2 Transponder overtemp.	Transponder reports that its internal temperature exceeds the over temperature threshold.	Decrease cabin temperature and increase cabin airflow near the transponder. If the problem persists, contact dealer for service.
TRANSPONDER 1/2 Transponder under temp.	Transponder reports that its internal temperature is below the normal operating threshold.	If the problem persists, contact dealer for service.

Terrain Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
CONFIGURATION TAWS/Terrain configuration is invalid. GTN needs service.	Terrain/TAWS alerting inoperative due to a unit configuration problem. Message accompanied by the "TER FAIL" annunciation.	Service required. Contact dealer for support.
HTAWS Invalid Terrain Database.	Terrain database resolution does not support HTAWS (rotorcraft only).	Load rotorcraft specific terrain database from the external SD card.
HTERRAIN ALERTING Invalid Terrain Database.	Terrain database resolution does not support the current terrain alerting configuration (rotorcraft only).	
TAWS/TERRAIN AUDIO INHIBITED TAWS/Terrain audio inhibit input is stuck.	The alerting system's audio inhibit discrete input is active for at least 30 seconds. Alerts may be heard simultaneously with other audio alerts.	Contact dealer for support.

Traffic System Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
TRAFFIC ADS-B In traffic alerting has failed.	ADS-B traffic system reports a CSA failure. Functionality not available.	Ensure that the aircraft has a clear view of the sky. If the problem persists, contact dealer for service.
TRAFFIC ADS-B In traffic has failed.	ADS-B traffic system detects an internal fault.	Contact dealer for support.
	ADS-B traffic system has lost GPS position.	
TRAFFIC ADS-B In traffic source does not match configuration.	The primary ADS-B traffic source is not available. GTN is relying on data from backup source.	
TRAFFIC Traffic device has failed.	GTS reports a device failure.	
TRAFFIC Traffic device is inoperative or connection to GTN is lost.	GTN is not receiving data from the configured traffic device.	
TRAFFIC TAS/TCAS inoperative or connection to GTN is lost.	TAS/TCAS device reports a traffic failure.	Reset the TCAS device. Contact dealer for support.
	GTN loses communication with the TAS/TCAS device.	
TRAFFIC Traffic device has been in standby for more than 60 seconds.	GTN is airborne; traffic device in standby > 60 seconds.	If traffic alerts are desired, open the Traffic app and enable the operating mode of the traffic device: Home > **Traffic** > **Menu** > **Operate**
TRAFFIC TCAD has a low battery.	GDL 88 reports that the external traffic system has a low battery.	Contact dealer for support.

ADVISORY	CONDITION	CORRECTIVE ACTION
TRAFFIC Traffic device battery low. Traffic device user config settings not saved.	The TCAD system indicates a low battery.	Contact dealer for support.

VCALC Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
VCALC Approaching top of descent.	User configured a vertical descent calculation, and the aircraft is within 60 seconds of the calculated top of descent.	No action necessary.
VCALC Arriving at VCALC target altitude.	User configured a vertical descent calculation, and the aircraft is approaching target altitude.	

VLOC/GS Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
GLIDESLOPE Glideslope receiver needs service.	Glideslope board is reporting that it requires service. Functionality may be unavailable.	Verify glideslope deviation indications with another source and cross-check final approach fix crossing altitude. If another source is not available, fly a GPS based approach. Contact dealer for service.
VOR/LOC/GS RECEIVER Navigation receiver has failed.	NAV radio is not communicating with the system. VOR, LOC, and GS are inoperative.	Use GPS based navigation. Contact dealer for support.
VLOC RECEIVER Navigation receiver needs service.	NAV radio is reporting that it requires service. Functionality may be unavailable.	Service required. Contact dealer for support.

Waypoint Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
GNS CROSSFILL Catalog full; not all GNS waypoint(s) transferred.	User waypoint catalog is full. Import of the requested user waypoints could not complete.	Delete any unnecessary user waypoints from the catalog and try again.
GNS CROSSFILL GTN user waypoint(s) replaced with GNS user waypoints.	A user waypoint from the GNS unit replaces one or more existing waypoints on GTN.	Avoid overwriting existing waypoints by ensuring that all requested user waypoints have unique identifiers prior to transfer.
GNS CROSSFILL Waypoint transfer failed.	Waypoint transfer did not complete.	Reattempt data transfer.
MARK ON TARGET Waypoint creation has failed. MOT requires GPS position.	MOT waypoint creation failed due to missing GPS position.	• Wait for GPS satellite geometry to improve • Ensure that the aircraft has a clear view of the sky • Reattempt waypoint creation • Contact dealer for support
USER WAYPOINT IMPORT User waypoint import failed.	User waypoint import failed due to improper file format.	Verify that media has the correct file format. If the problem persists, contact dealer for service.
USER WAYPOINT IMPORT User waypoint import failed. User waypoint database is full.	User waypoint catalog is full. Import of the requested user waypoints could not complete.	Delete any unnecessary user waypoints from the catalog and try again.
USER WAYPOINT IMPORT User waypoints were imported successfully.	User waypoint import successful.	No action necessary.

ADVISORY	CONDITION	CORRECTIVE ACTION
USER WAYPOINT IMPORT User waypoints imported successfully - existing waypoints reused.	User waypoint import successful. Import function reuses existing user waypoints instead of creating duplicates.	No action necessary.

Weather Service Advisories

ADVISORY	CONDITION	CORRECTIVE ACTION
WX ALERT Possible severe weather.	Weather radar detects the presence of a weather alert within +/- 10 degrees of the aircraft heading.	To view information about severe weather in the current flight path, open the Radar app: Home > **Weather** > **Radar**
WX RADAR FAIL Weather radar is inoperative.	GTN is not receiving weather radar data.	Contact dealer for support.
WX RADAR SERVICE Weather radar needs service. Return unit for repair.	Weather radar reports that a degraded or inoperative condition exists. Appears only when the aircraft is on ground.	Service required. Contact dealer for support.
STORMSCOPE Stormscope is inoperative or connection to GTN is lost.	GTN is not receiving data from the Stormscope unit.	1. Close the Stormscope circuit breaker. 2. Verify that the Stormscope unit is receiving power. 3. Contact dealer for support.
STORMSCOPE Invalid heading received from Stormscope.	Stormscope reports an invalid heading source.	Stormscope data is correct and safe for use. Contact dealer for support.

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