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SERVICE ADVISORY

NO.: 23080 Rev B

TO: GFC 600 Owners and Operators
DATE: September 26, 2023
SUBJECT: Autopilot Disconnect
REVISION B: Added Resolution

PRODUCTS AFFECTED

Garmin GFC 600 systems are affected.

ISSUE

Due to how waypoint position data is processed, an autopilot disconnect may occur when a flight plan or procedure containing waypoints with specific position data are loaded.

Refer to the following tables for lists of affected airports, intersections, VORs, approaches procedures, SID/STARs, and airways.

Table 1. Airports

Airport Identifier	Airport Identifier
05AL	LODB
2ED7	LOIF
2PL0	LS55
3XA0	NVVF
8032	OK23
EPSW	OK24
FA94	SJCC
GER1	SVPE
IA90	

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Table 2. Intersections

Airport Identifier	Airport Identifier	Airport Identifier	Airport Identifier
ADBIT	DF436	IVANZ	SS247
AMOMI	DF510	KAXER	TALTO
AMPOR	DIRIN	KNEVL	TAQLE
ANSUP	EJSEV	LB601	TB008
ASNAS	ENMUH	LEKNE	TN720
ASTER	EPMAR	LOHBE	TRTLE
BEMIL	ERSAL	LUPAS	TUNEL
BODKE	ESKON	MA07	VPRER
BOOTR	FAZEO	MA20	WANKI
CF26	FF22L	MAS07	WELKU
CI07	FIGSA	MAVOT	WUGNI
CP020	FN21	MAXEB	WULAX
CYCAS	FV780	MUWAN	YERKS
D034G	G180U	OGMIP	ZUPNI
D040G	GEKTO	OOSHN	
D050J	GH556	OTONE	
D095E	HB400	OWZEP	
D237L	HEYNW	PCWE1	
D239T	HI878	PENYT	
D357K	HK900	SENAL	
DB423	IG402	SPARO	

Table 3. VORs

VOR Identifier	VOR Name
MSD	MASHHAD
ROB	ROBERTS
TUC	TUNIS

Table 4. Approaches With Fixes

Approach Identifier	Airport Identifier	Fix Identifier
R07	24J	EJSEV
R25	24J	EJSEV
R066	30TN	FIGSA
R345	84WI	HEYNW
R07	AGGM	MA07
R25	CYMA	AMOMI
R09	CYQS	FAZEO
I06	CYTH	BEMIL
L06	CYTH	BEMIL
R09	CZGI	KAXER
I01-Y	DTTA	TUC
I19-Y	DTTA	TUC
I19-Z	DTTA	TUC
I29-Y	DTTA	TUC
L01-Y	DTTA	TUC
L19-Y	DTTA	TUC
L19-Z	DTTA	TUC
L29-Y	DTTA	TUC
S01-Y	DTTA	TUC
S01-Z	DTTA	TUC
S11	DTTA	TUC
S19	DTTA	TUC
S29	DTTA	TUC
T26R	EBFS	D095E
I26	EBOS	CF26
L26	EBOS	CF26
N26	EBOS	CF26
R33	EFHK	HK900
I20	EGHI	D040G
L20	EGHI	D040G

Table 4. Approaches With Fixes

Approach Identifier	Airport Identifier	Fix Identifier
D21	EGKB	TUNEL
I21	EGKB	TUNEL
L21	EGKB	TUNEL
I35-Y	ENBR	AMPOR
R08	ETHB	HB400
S04	GLRB	ROB
N21	GVBA	FN21
R20	I74	LEKNE
S29	KAKO	D050J
R05	KBLF	OTONE
R36	KBRL	OWZEP
R34	KGEY	WULAX
R24	KGHG	WUGNI
R10-Z	KNIP	IVANZ
I10RZ	KORD	BOOTR
L10RZ	KORD	BOOTR
R10RZ	KORD	BOOTR
R31	KPAO	YERKS
R29-Y	KRDM	BODKE
D34	L45	ZUPNI
I05	LIEO	SENAL
L05	LIEO	SENAL
R05	LIEO	SENAL
S05	LIEO	SENAL
NDBA	LYVR	D034G
R17	MUGT	TALTO
D13L5	OIMM	MSD
D13L6	OIMM	MSD
D13R4	OIMM	MSD
D13R6	OIMM	MSD
D31L2	OIMM	MSD
D31L3	OIMM	MSD

Table 4. Approaches With Fixes

Approach Identifier	Airport Identifier	Fix Identifier
D31R1	OIMM	MSD
D31R3	OIMM	MSD
I31R1	OIMM	MSD
I31R2	OIMM	MSD
L31R1	OIMM	MSD
L31R2	OIMM	MSD
T24LZ	PGUA	WELKU
R07	RJOC	ENMUH
D22L	RKJJ	FF22L
R25-Z	SBCP	CP020
R27	SBTB	TB008
S17R	SCEL	D357K
L20	SKAR	MA20
S20	SKMU	MA20
R17-Y	SLHI	HI878
D32	VGHS	D237L
I32	VGHS	D237L
L32	VGHS	D237L
I23	VTUU	MUWAN
L23	VTUU	MUWAN
R05	VTUU	MUWAN
S23	VTUU	MUWAN
I07-Y	ZWWW	CI07

Table 5. SIDs and STARs with Fixes

SID/STAR Identifier	Airport Identifier	Fix Identifier
ICAKI1	30TN	FIGSA
ZEMIT1	84WI	HEYNW
BELE2D	DTTA	TUC
DIDO2A	DTTA	TUC
DIDO3D	DTTA	TUC
GIBL2A	DTTA	TUC
GIBL3D	DTTA	TUC
ICAN3C	DTTA	TUC
ICAN4B	DTTA	TUC
KEMI3C	DTTA	TUC
KEMI4B	DTTA	TUC
NEBR2A	DTTA	TUC
NEBR3D	DTTA	TUC
RATB2A	DTTA	TUC
RATB2D	DTTA	TUC
TISR3C	DTTA	TUC
TISR4B	DTTA	TUC
TOBI3C	DTTA	TUC
TOBI4B	DTTA	TUC
EMPA5D	EDDF	DF436
FAWU3D	EDDF	DF436
PETI4D	EDDF	DF436
SPES4D	EDDF	DF436
MAXE2M	EDDP	MAXEB
MAXE2N	EDDP	MAXEB
LONS1S	EETN	TN720
OSMU1S	EETN	TN720
ARGI1J	EPLB	LB601
LIBG1J	EPLB	LB601
USEG1J	EPLB	LB601
VADO1J	EPLB	LB601

Table 5. SIDs and STARs with Fixes

SID/STAR Identifier	Airport Identifier	Fix Identifier
VADO1U	EPLB	LB601
KORA7R	GCFV	FV780
SAMA7R	GCFV	FV780
VAST8R	GCFV	FV780
ARBE1L	GQNO	D239T
EPET2L	GQNO	D239T
SEPE2L	GQNO	D239T
ULNO1L	GQNO	D239T
OOSHN5	KBOS	OOSHN
KILLY1	KGPI	KNEVL
TRAKS3	KGSO	OTONE
TRAKS3	KINT	OTONE
BASET5	KLAX	TRTLE
TAQLE1	KRDU	TAQLE
ATNE2R	LIEO	SENAL
BATO1Q	LIEO	SENAL
BATO1T	LIEO	SENAL
BATO2R	LIEO	SENAL
BOLO3B	LIEO	SENAL
BOLO4A	LIEO	SENAL
CORS2R	LIEO	SENAL
CORS3H	LIEO	SENAL
CORS3J	LIEO	SENAL
EKPO2R	LIEO	SENAL
GITR2R	LIEO	SENAL
LABO2R	LIEO	SENAL
LABO4B	LIEO	SENAL
MINK3B	LIEO	SENAL
MINK3R	LIEO	SENAL
SUKU2R	LIEO	SENAL
EPMAR1	MUHA	EPMAR
EPMAR3	MUHA	EPMAR

Table 5. SIDs and STARs with Fixes

SID/STAR Identifier	Airport Identifier	Fix Identifier
EPMAR4	MUHA	EPMAR
FARAC5	MUHA	EPMAR
PUSR2E	OEDF	DF510
PUSR2F	OEDF	DF510
BOTE1E	OIMM	MSD
BOTE1N	OIMM	MSD
EMES1A	OIMM	MSD
EMES1B	OIMM	MSD
EMES1N	OIMM	MSD
LOSA1A	OIMM	MSD
LOSA1B	OIMM	MSD
LOSA1N	OIMM	MSD
MIDM1A	OIMM	MSD
MIDM1E	OIMM	MSD
MIDM1N	OIMM	MSD
NOTS1A	OIMM	MSD
NOTS1D	OIMM	MSD
NOTS1E	OIMM	MSD
NOTS1N	OIMM	MSD
ORDO1A	OIMM	MSD
ORDO1B	OIMM	MSD
ORDO1C	OIMM	MSD
PAMT1A	OIMM	MSD
PAMT1B	OIMM	MSD
PAMT1D	OIMM	MSD
PAMT1N	OIMM	MSD
PAMT1R	OIMM	MSD
RAMI1A	OIMM	MSD
RAMI1E	OIMM	MSD
RAMI1N	OIMM	MSD
RIBU1N	OIMM	MSD
IMPE3B	OMDB	DB423

Table 5. SIDs and STARs with Fixes

SID/STAR Identifier	Airport Identifier	Fix Identifier
IMPE3E	OMDB	DB423
AYAKA3	ROIG	IG402
ESKO1Q	SAAR	ESKON
ESKO1U	SAAR	ESKON
MAS1	SEMC	MAS07
TABA1S	URSS	SS247
GEKT1A	USPP	GEKTO
GEKT1B	USPP	GEKTO
GEKT1C	USPP	GEKTO
GEKT1D	USPP	GEKTO
GEKT1E	USPP	GEKTO
GEKT1F	USPP	GEKTO
GEKT1G	USPP	GEKTO
GEKT1H	USPP	GEKTO
GEKT1J	USPP	GEKTO
GEKT1K	USPP	GEKTO
GEKT1L	USPP	GEKTO
GEKT1M	USPP	GEKTO
DUMOX	VEGT	GH556
DALA2J	VVTS	ANSUP
SPAR1A	YBTL	SPARO

Table 6. Airways with Fixes

Airway Identifier	Fix Identifier
A411	TUC
A416	MSD
A606	TUC
A647	MSD
A725	TUC
A743	TUC
A868	TUC
B355	LUPAS
B411	MSD
B413	ERSAL
B441	MSD
B600	ROB
B614	ROB
B979	TUC
G663	MSD
G775	MSD
G792	MSD
G864	TUC
KR476	LUPAS
L44	TUC
L623	MAVOT
M158	GEKTO
M725	TUC
M731	TUC
M733	TUC
M978	TUC
N7A	PENYT
P161	TUC
P989	ASNAS
R217	ASTER
R56	PENYT

Table 6. Airways with Fixes

Airway Identifier	Fix Identifier
R781	TUC
T222	CYCAS
T390	WANKI
UA411	TUC
UA606	TUC
UA725	TUC
UA743	TUC
UA868	TUC
UB600	ROB
UB614	ROB
UB979	TUC
UG433	ROB
UG852	ROB
UG864	TUC
UL44	TUC
UM725	TUC
UM731	TUC
UM733	TUC
UM978	TUC
UP161	TUC
UQ142	ROB
UQ594	ROB
UR781	TUC
UR986	TUC
UT282	ROB
UT328	ROB
UW254	TUC
UW411	TUC
UY129	ROB
UY366	ROB
UY509	ROB
UZ258	ROB
V153	SPARO

Table 6. Airways with Fixes

Airway Identifier	Fix Identifier
V264	SPARO
W254	TUC
W411	TUC
W5	ESKON
Y514	ASTER
Z159	MAVOT
Z4	MSD
Z5	MSD

PILOT ACTION

If able, do not load any affected waypoint or any procedure that includes an affected waypoint.

If a disconnect occurs, fly the aircraft without the use of the autopilot through the remainder of the flight plan.

RESOLUTION

This has been fixed in GMC 605 Software Version 2.85. Refer to Garmin STC Service Bulletin 23099.

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