

Diagnostics

Type "HXXX" Faults

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
H001:	H001:COILFAULT PLAT UP1:BAT-	Short circuit of the platform up #1 circuit to battery negative.	<ul style="list-style-type: none"> Short circuit in platform up #1 harness. Platform up #1 coil short circuit. GCON ECM. 	Platform up function inhibited.
H002:	H002:COILFAULT PLAT UP1:OPEN	Open circuit in the platform up #1 circuit.	<ul style="list-style-type: none"> Short circuit in platform up #1 harness. Platform up #1 coil open circuit. GCON ECM. 	Platform up function inhibited.
H003:	H003:COILFAULT PLAT UP1:BAT+	Short circuit of the platform up #1 circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in platform up #1 harness. Platform up #1 coil short circuit. GCON ECM. 	All functions inhibited except platform down.
H009:	H009:COILFAULT PLAT DOWN1:BAT+	Short circuit of the platform down #1 circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in platform down #1 harness. Platform down #1 coil short circuit. GCON ECM. 	All functions inhibited.
H013:	H013:COILFAULT DRIVE FWD1:BAT-	Short circuit of the drive forward #1 circuit to battery negative.	<ul style="list-style-type: none"> Short circuit in drive forward #1 harness. Drive forward #1 coil short circuit. GCON ECM. 	Drive forward function inhibited.
H014:	H014:COILFAULT DRIVE FWD1:OPEN	Open circuit in the drive forward #1 circuit.	<ul style="list-style-type: none"> Open circuit in drive forward #1 harness. Drive forward #1 coil open circuit. GCON ECM. 	Drive forward function inhibited.
H015:	H015:COILFAULT DRIVE FWD1:BAT+	Short circuit of the drive forward #1 circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in drive forward #1 harness. Drive forward #1 coil short circuit. GCON ECM. 	All functions inhibited except platform down.
H019:	H019:COILFAULT DRIVE REV1:BAT-	Short circuit of the drive reverse #1 circuit to battery negative.	<ul style="list-style-type: none"> Short circuit in drive reverse #1 harness. Drive reverse #1 coil short circuit. GCON ECM. 	Drive reverse function inhibited.
H020:	H020:COILFAULT DRIVE REV1:OPEN	Open circuit in the drive reverse #1 circuit.	<ul style="list-style-type: none"> Open circuit in drive reverse #1 harness. Drive reverse #1 coil open circuit. GCON ECM. 	Drive reverse function inhibited.
H021:	H021:COILFAULT DRIVE REV1:BAT+	Short circuit of the drive reverse #1 circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in drive reverse #1 harness. Drive reverse #1 coil short circuit. GCON ECM. 	All functions inhibited except platform down.
H027:	H027:COILFAULT DRIVE STEER RIGHT:BAT+	Short circuit of the steer right circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in steer right harness. Steer right coil short circuit. GCON ECM. 	All functions inhibited except platform down.
H030:	H030:COILFAULT DRIVE STEER LEFT:BAT+	Short circuit of the steer left circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in steer left harness. Steer left coil short circuit. GCON ECM. 	All functions inhibited except platform down.
H067:	H067:FAULT MC ENABLE:BAT-	Short circuit of the motor controller circuit to battery negative.	<ul style="list-style-type: none"> Short circuit in motor controller enable wire. Motor Controller. Contact coil shorted to battery negative. GCON ECM. 	All functions inhibited except platform down.
H069:	H069:FAULT MC ENABLE:BAT+	Short circuit of the motor controller circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in motor controller enable wire. Motor Controller. Contact Coil. GCON ECM. 	All functions inhibited except platform down.
H070:	H070:FAULT MC THROTTLE:BAT-	Short circuit of the motor controller throttle circuit to battery negative.	<ul style="list-style-type: none"> Short circuit in motor controller throttle wire. Motor Controller. GCON ECM. 	All functions inhibited except platform down.
H072:	H072:FAULT MC THROTTLE:BAT+	Short circuit of the motor controller throttle circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in motor controller throttle wire. Motor Controller. GCON ECM. 	All functions inhibited except platform down.
H078:	H078:COILFAULT PLAT DOWN1	Short circuit of the platform down #1 circuit to battery positive/negative or open circuit.	<ul style="list-style-type: none"> Short or open circuit in platform down #1 harness. Platform down #1 coil short or open circuit. GCON ECM. 	Platform down function inhibited.
H080:	H080:COILFAULT STEER LEFT	Short circuit of the steer left circuit to battery negative or open circuit.	<ul style="list-style-type: none"> Short or open circuit in steer left harness. Steer left coil short or open circuit. GCON ECM. 	Steer left function inhibited.
H081:	H081:COILFAULT STEER RIGHT	Short circuit of the steer right circuit to battery negative or open circuit.	<ul style="list-style-type: none"> Short or open circuit in steer right harness. Steer right coil short or open circuit. GCON ECM. 	All functions inhibited except platform down while above limit switch.

Diagnostics

Type "PXXX" Faults

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
P001:	P001:PWR FAULT SW PWR1:BAT-	Short circuit of the switched power #1 circuit to battery negative.	<ul style="list-style-type: none"> • Short circuit in switched power #1, down limit switch, pothole limit switch, digital tilt switch harness. • GCON ECM. 	All functions inhibited.
P003:	P003:PWR FAULT SW PWR1:BAT+	Short circuit of the switched power #1 circuit to battery positive.	<ul style="list-style-type: none"> • Short circuit in switched power #1, down limit switch, pothole limit switch, digital tilt switch harness. • GCON ECM. 	All functions inhibited.
P004:	P004:DEVICEFAULT HORN:BAT-	Short circuit of the automotive horn circuit to battery negative.	<ul style="list-style-type: none"> • Short circuit in automotive horn harness. • Automotive horn short circuit. • GCON ECM. 	Automotive horn inhibited.
P005:	P005:DEVICEFAULT HORN:OPEN	Open circuit of the automotive horn circuit.	<ul style="list-style-type: none"> • Open circuit in automotive horn harness. • Automotive horn open circuit. • GCON ECM. 	Automotive horn inhibited.
P006:	P006:DEVICEFAULT HORN:BAT+	Short circuit of the automotive horn circuit to battery positive.	<ul style="list-style-type: none"> • Short circuit in automotive horn harness. • Automotive horn short circuit. • GCON ECM. 	Automotive horn inhibited.
P007:	P007:DEVICEFAULT GCON ALARM:BAT-	Short circuit of the GCON alarm circuit to battery negative.	<ul style="list-style-type: none"> • Short circuit in GCON alarm harness. • GCON alarm short circuit. • GCON ECM. 	GCON alarm inhibited.
P009:	P009:DEVICEFAULT GCON ALARM:BAT+	Short circuit of the GCON alarm circuit to battery positive.	<ul style="list-style-type: none"> • Short circuit in GCON alarm harness. • GCON alarm short circuit. • GCON ECM. 	GCON alarm inhibited.
P013:	P013:PWR FAULT PCON PWRET:BAT-	Short circuit of the PCON power return circuit to battery negative.	<ul style="list-style-type: none"> • Short circuit in PCON power return harness. • GCON ECM. 	All functions inhibited.
P015:	P015:PWR FAULT PCON PWRET:BAT+	Short circuit of the PCON power return circuit to battery positive.	<ul style="list-style-type: none"> • Short circuit in PCON power return harness. • GCON ECM. 	All functions inhibited.
P018:	018:PWR FAULT PCON POWER:BAT-	Short circuit of the PCON power circuit to battery negative.	<ul style="list-style-type: none"> • Short circuit in PCON power harness. • GCON ECM. 	All functions inhibited.
P019:	018:PWR FAULT PCON POWER:BAT+	Short circuit of the PCON power circuit to battery positive.	<ul style="list-style-type: none"> • Short circuit in PCON power harness. • GCON ECM. 	All functions inhibited.

Diagnostics

Type "UXXX" Faults

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
U001:	U001:SWITCHFAULT GCON MAIN FTN EN	Short circuit of the GCON main function enable switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON main function enable switch. GCON ECM. 	All GCON functions inhibited.
U002:	U002:SWITCHFAULT GCON PLAT UP	Short circuit of the GCON up directional switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON up directional switch. GCON ECM. 	All GCON functions inhibited except platform down.
U003:	U003:SWITCHFAULT GCON PLAT DOWN	Short circuit of the GCON down directional switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON down directional switch. GCON ECM. 	All GCON functions inhibited except platform up.
U004:	U004:SWITCHFAULT GCON LCD UP	Short circuit of the GCON LCD scroll up switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON LCD scroll up switch. GCON ECM. 	All GCON LCD menu functions inhibited.
U005:	U005:SWITCHFAULT GCON LCD DOWN	Short circuit of the GCON LCD scroll down switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON LCD scroll down switch. GCON ECM. 	All GCON LCD menu functions inhibited.
U006:	U006:SWITCHFAULT GCON LCD ENTER	Short circuit of the GCON LCD enter switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON LCD enter switch. GCON ECM. 	All GCON LCD menu functions inhibited.
U007:	U007:SWITCHFAULT GCON LCD ESCAPE	Short circuit of the GCON LCD escape switch at system startup.	<ul style="list-style-type: none"> Short circuit of the GCON LCD escape switch. GCON ECM. 	All GCON LCD menu functions inhibited.
U014:	U014:SWITCHFAULT PCON DRIVE EN	Short circuit of the PCON drive enable switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON drive enable switch. GCON ECM. 	All PCON drive and steer functions inhibited.
U015:	U015:SWITCHFAULT PCON STEER LEFT	Short circuit of the PCON steer left switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON steer left switch. GCON ECM. 	All PCON drive and steer functions inhibited.
U016:	U016:SWITCHFAULT PCON STEER RIGHT	Short circuit of the PCON steer right switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON steer right switch. GCON ECM. 	All PCON drive and steer functions inhibited.
U017:	U017:SWITCHFAULT PCON HORN	Short circuit of the PCON horn switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON horn switch. GCON ECM. 	PCON horn switch function inhibited.
U018:	U018:SWITCHFAULT PCON LO DRIV SPD	Short circuit of the PCON low drive speed switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON low drive speed switch. GCON ECM. 	The machine is limited to low drive speed.
U033:	U033:JSTICKFAULT OUT OF CAL RANGE	PCON drive joystick signal is outside acceptable calibration range at system startup.	<ul style="list-style-type: none"> PCON drive joystick is not in neutral position at startup. PCON joystick. GCON ECM. 	All PCON drive and steer functions inhibited.
U034:	U034:JSTICKFAULT OUT OF RANGE:HI	Short circuit of the PCON drive joystick signal to battery positive at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON drive joystick signal circuit. PCON joystick. GCON ECM. 	All PCON drive and steer functions inhibited.
U035:	U035:JSTICKFAULT OUT OF RANGE:LO	Short circuit of the PCON drive joystick signal to battery negative at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON drive joystick signal circuit. PCON joystick. GCON ECM. 	All PCON drive and steer functions inhibited.
U036:	U036:SWITCHFAULT GCON + PCON:ON	Mis-wiring or short circuit of GCON key switch.	<ul style="list-style-type: none"> Short circuit of the PCON drive enable switch. GCON ECM. 	All functions inhibited.
U042:	U042:SWITCHFAULT PCON DRIVE MODE	PCON drive mode switch stuck closed, or depressed prior to startup.	<ul style="list-style-type: none"> Drive mode switch stuck closed. Drive mode switch is depressed at system startup. PCON ECM. 	Drive functions inhibited.
U045:	U045:SWITCHFAULT PCON DRIVE EN	Short circuit of the PCON drive enable switch at system startup.	<ul style="list-style-type: none"> Short circuit of the PCON drive enable switch. PCON ECM. GCON ECM. 	All drive and steer functions inhibited.
U046:	U046:SWITCHFAULT PCON LIFT MODE	PCON function enable switch stuck closed, or depressed at system startup.	<ul style="list-style-type: none"> PCON lift mode switch depressed at system startup. PCON ECM. 	All functions operate except platform up/down.

Diagnostics

Type "FXXX" Faults

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
F001:	F001:SWITCHFAULT UP LIMIT1:BAT+	Short circuit of the up limit #1 switch at system startup.	<ul style="list-style-type: none"> Short circuit of the up limit switch circuit. Up limit #1 switch short circuit. GCON ECM. 	Platform up function inhibited.
F003:	F003:SWITCHFAULT DOWN LIMIT1:BAT+	Short circuit of the down limit #1 switch at system startup.	<ul style="list-style-type: none"> Short circuit of the down limit switch circuit. Down limit #1 switch short circuit. GCON ECM. 	All functions inhibited except platform down.
F005:	F005:SWITCHFAULT POTHOLE:BAT+	Short circuit of the pothole limit #1 switch at system startup.	<ul style="list-style-type: none"> Short circuit of the pothole switch circuit. Pothole limit #1 switch short circuit. GCON ECM. 	All functions inhibited except platform down as long as machine is in the elevated position. If machine is in stowed position, all functionality is resumed.
F007:	F007:SWITCHFAULT CHASSISTILT:BAT+	Short circuit of the chassis digital tilt switch at system startup.	<ul style="list-style-type: none"> Short circuit of the chassis digital tilt switch circuit. Chassis digital tilt switch short circuit. GCON ECM. 	All functions inhibited except platform down as long as machine is in the elevated position. If machine is in stowed position, all functionality is resumed.
F031:	F031:SWITCHFAULT OAC SWITCH:Bat+	Short circuit of the obstruction sensing circuit to battery positive.	<ul style="list-style-type: none"> Short circuit in the obstruction sensing harness. GCON ECM. 	All functions inhibited.
F032:	F032:SWITCHFAULT OVL D SWITCH:Bat+	Short circuit of pressure switch to battery positive.	<ul style="list-style-type: none"> Short circuit in the limit switch harness. GCON ECM. 	All functions inhibited.
F033:	F033:SWITCHFAULT OVL D:Open/Bat-	Open or short circuit of pressure switch.	<ul style="list-style-type: none"> Open or short circuit in the limit switch harness. GCON ECM. 	All functions inhibited.
F072:	F072:SENSORFAULT FUNCTION CUT B+	Function Cutout sensor B+ fault.	<ul style="list-style-type: none"> Faulty extension deck limit switch. Faulty gate proximity switch. GCON ECM. 	All functions inhibited.
F129:	F129:TILT SENSOR FAULT	UTS mismatch fault. Two accelerometers inside UTS mismatch.(universal tilt sensor)	<ul style="list-style-type: none"> Faulty UTS. 	All functions inhibited except platform down as long as machine is in the elevated position. If machine is in stowed position, all functionality is resumed.

Diagnostics

Type "CXXX" Faults

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
C001:	C001:GCON ECM FAULT TYPE 1	GCON ECM CRC check error.	<ul style="list-style-type: none"> • Incorrect software file. • GCON ECM internal failure. 	All functions inhibited.
C004:	C004:GCON ECM FAULT TYPE 4	GCON ECM master switch error.	<ul style="list-style-type: none"> • Short circuit in the master switch circuit. • GCON ECM. 	All functions inhibited.
C005:	C005:GCOM ECM FAULT TYPE 5	GCON ECM safety switch error.	<ul style="list-style-type: none"> • Short circuit in the safety switch circuit. • GCON ECM. 	All functions inhibited.
C006:	C006:GCON ECM FAULT TYPE 6	GCON input redundancy error.	<ul style="list-style-type: none"> • Input conditioning circuit failure. • GCON ECM. 	All functions inhibited.
C007:	C007:GCON ECM FAULT TYPE 7	GCON ECM inter-processor communication error.	<ul style="list-style-type: none"> • Incorrectly programmed device. • Error in loading software on device. • GCON ECM. 	All functions inhibited.
C009:	C009:GCON ECM FAULT TYPE 9	GCON ECM fault type 9.	<ul style="list-style-type: none"> • Contact Genie support. 	All functions inhibited.
C010:	C010:SECONDARY NOT PROGRAMMED	GCON secondary processor not programmed.	<ul style="list-style-type: none"> • Incorrectly programmed device. • Error in loading software on device. • GCON ECM. 	All functions inhibited.
C021:	C021:PCON NOT DETECTED	PCON not detected error.	<ul style="list-style-type: none"> • PCON disconnected. • CAN communication failure. • GCON or PCON ECM. 	All functions inhibited.
C023:	C023:MACHINE MODEL FAULT	Discrepancy between model detected and model programmed.	<ul style="list-style-type: none"> • Incorrect machine model programmed. • GCON or PCON ECM. 	All functions inhibited.
C028:	C028:SERVICE OVERRIDE MODE ON	Machine is in service override mode.	<ul style="list-style-type: none"> • Machine programmed for use in service override mode. 	All functions inhibited except for down function and up function. Platform can be elevated only once with the maximum elevate time of XX seconds. Elevate time XX depends on machine model.
C051:	C051:SYSTEMFAULT TILT:NoCal	UTS level sensor not calibrated.	<ul style="list-style-type: none"> • UTS level sensor calibration has not been performed. • New level sensor connected. • System parameters reset to default. 	All functions inhibited except platform down as long as machine is in the elevated position. If machine is in stowed position, all functionality is resumed.
C052:	C052:TILT SENSOR NOT DETECTED	No level sensor detected.	<ul style="list-style-type: none"> • UTS level sensor disconnected. • Open circuit in level sensor harness. 	All functions inhibited except platform down as long as machine is in the elevated position. If machine is in stowed position, all functionality is resumed.

Diagnostics

DTC Number	Message on GCON LCD	Description	Possible Causes	Failure Mode
C053:	C053:PCON-GCON SOFTWARE MISMATCH	Software revisions do not match between the PCON and GCON.	<ul style="list-style-type: none"> • C053 displayed at GCON, PCON with older software revision connected to GCON with newer software revision. • C053 displayed at PCON, PCON with newer software revision connected to GCON with older software revision. 	All functions inhibited.
C054:	C054:GCON ECM FAULT TYPE 54	GCON ECM Fault: Type 54.	<ul style="list-style-type: none"> • Short or open circuit to GCOM ECM. • GCON ECM. 	All functions inhibited.
C077:	C077:DISABLED BY OWNER	Telematics Remote Disable.	<ul style="list-style-type: none"> • Machine disabled. 	All functions inhibited.
C078:	C078:TELEMATICS NOT DETECTED	Telematics device not detected by GCON.	<ul style="list-style-type: none"> • Telematics device not connected. • Telematics device not installed. 	<p>Telematics is installed: Connect the telematics device to the GCON.</p> <p>Telematics is not installed: Navigate to the options menu on the machine and disable telematics.</p>