






## Mooney Avionics Preflight Checklist

GTN 750			
SETTING	RECOMMENDED	To change/verify	
Electronic Flight Bag <b>EFB</b>	Connect via Bluetooth to <b>NXXXXX 510</b>	Tablet Bluetooth settings	
Flight Plan Entered	<b>As needed</b>	Home>Flight Plan	
CDI input set	<b>GPS/VLOC</b>	Home>Map>CDI> <b>GPS</b> or <b>VLOC</b>	
Map Orientation	<b>North Up</b> or <b>Track Up</b>	Map>Menu>Map Setup> <b>North Up</b> or <b>Track Up</b>	
Visual Approach Selector	<b>Off</b>	Map>Menu>Map Setup>Visual APPR Selector> <b>Off</b>	
Autozoom	<b>On/Off</b>	Map>Menu>Map Setup> <b>Autozoom On/Off</b>	
Map screen fields	<b>As desired</b>	Map>Menu>Change User Fields>	
GPS status	<b>WAAS Enabled</b>	System>GPS Status>SBAS> <b>WAAS enabled</b>	
ILS GPS/VLOC switch	<b>AUTO SWITCH</b>	System>Setup>CDI>ILS CDI Capture> <b>AUTO SWITCH</b>	
G3x Touch			
<i>Settings to change as desired</i>			
SETTING	RECOMMENDED	To verify	To change
CDI Source	<b>GPS1/VOR1/LOC1</b> or <b>VOR2/LOC2</b>	GPS1/VLOC1 or VLOC2 on HSI	Touch HSI>PFD Options>CDI Source
Map Orientation	<b>North up/Track up</b>	From Map Page view North arrow	From Map page>MENU>Set Up Map >Orientation> <b>North Up</b> or <b>Track Up</b>
Autozoom	<b>On/Off</b>	➔ See to change	From Map page>MENU>Set Up Map>Autozoom <b>On or Off</b>
FD indicator type	<b>Single Cue</b> or <b>Dual Cue</b>	V-Bar = Single Cue Cross-Bars = Dual Cue	MENUx2>Set Up>Flight Director> <b>Single Cue</b> or <b>Dual Cue</b>
Backlight intensity	<b>Photo Cell</b> or <b>Manual</b>	➔ See to change	MENUx2>Backlight Intensity> <b>Photo Cell</b> or <b>Manual</b>
ESP	Normally <b>On</b>	➔ See to change	From PFD, touch Autopilot Status Box>Touch <b>ESP</b> to <b>enable/disable</b>
<i>Settings that should not change</i>			
HSI orientation	<b>Heading</b>	HSI heading number No label is <b>Heading</b> .	Full screen PFD>Menu>More Options>HSI Orientation-> <b>Heading</b>
Bearing Pointers	<b>Bearing Ptr1:Nearest Apt</b> <b>Bearing Ptr2: VLOC2</b>	Confirm legend on bottom of PFD	Full screen PFD>Menu>bearing pointer options
Data Bar Data Fields	<b>WPT DIST ETE DTK TRK</b> <b>XTK DISTD</b>	Read Data Bar on PFD	MENUx2, Setup > Data Bar>Data Fields
Inset windows	<b>Left: MAP Right: Flight Plan</b>	Confirm insets on PFD	Touch HSI>PFD options>Inset Windows > Left: Map, Right: Flight Plan
Navigator Input	<b>External</b>	<b>GPS VFR</b> annc on HSI = internal	Touch HSI>PFD Options>FPL Source > <b>External</b>
Synthetic vision	<b>Enabled</b>	PFD sky blue, ground green	Touch HSI>PFD options>More Options> <b>Synthetic Vision On</b>
Flight Path Marker Pathways	<b>On</b> <b>Off</b>	➔ See to change	Touch HSI>PFD options>More Options> Flt.Path Marker <b>On/ Pathways Off</b>

## Mooney Avionics Preflight Checklist

GFC 500 Auto Pilot	
ACTION	RESPONSE
1. Press <b>AP</b> button	
2. Set Heading Bug under Lubber Line.	-----
3. Press <b>HDG</b> button to engage heading mode.	
4. Turn Heading Bug to the left and right side of Lubber Line.	A/C Control Wheel turns to the left and right.
5. Press <b>AP</b> button, pause, then Press <b>AP</b> again	Autopilot disengages, then reengages
6. Press <b>VS</b> button to engage VS mode.	
7. Scroll <b>NOSE UP/DN</b> wheel to alternate VS climb and VS descents	A/C Control Wheel moves back to respond to NOSE UP and forward to respond to NOSE DN 
8. Press <b>AP Disc</b> switch on left yoke handle	Autopilot disengages
9. Press <b>AP</b> button	Autopilot engages
10. Press <b>trim</b> switches simultaneously forward or aft	Autopilot disengages
11. Press <b>GO AROUND</b> button	Flight director moves to Vy climb pitch attitude 
12. <b>TO</b> or <b>VS</b> mode or press <b>FD</b> button to turn off Flight Director	-----
13. Flight controls -- Check	verify autopilot servos are disengaged from pitch and roll and all controls move freely
14. Identify location of autopilot and pitch trim circuit breakers	-----
15. Elevator trim	SET FOR TAKEOFF



**Do not attempt to overpower autopilot servos in pitch or roll as servo damage can result.**