

IFR Checklist

Maintenance Logbook Check	
Pilot VOR Check	30 days
Navigation Database	28 days
	GRABCARD G - Generator/Alternator R - Radios A - Altimeter B - Ball C - Clock A - Attitude Indicator R - Rate of Turn D - Directional Gyro
14 CFR 91.205 - Required Equipment	
14 CFR 91.207 - ELT	12 months
14 CFR 91.409 - Annual Inspection	12 months
14 CFR 91.409 - 100 Hour Inspection	100 hours
14 CFR 91.411 - Altimeter	24 months
14 CFR 91.413 - Transponder	24 months
14 CFR 91.413 - Pitot Static	24 months

Instrument Check	
G750/G275 CDI + Glide Slope	Verify Expected Deviation
Attitude	Verify Erect/Stable
Altimeter Setting	<75 ft
Vertical Speed Indicator	0 ft
Airspeed Indicator	0 kt
Alternate Static Port	Verify
Clock	Verify
Auto Pilot	Verify

Auto Pilot	
Turn On 300NAV	
	DOWN
Set PSS (Pitch Stab Switch) to TEST	All Lights ON: VS - ALT - GS - TRIM UP
Move yoke forward and aft	Verify freedom of movement
Lightly hold yoke to prevent abrupt movement Set Heading Bug Engage Roll Left/Right	Yoke moves in left and right directions
Press ALT to engage altitude hold mode.	
Move yoke forward and aft	Pitch servo engaged and can be overridden. If not, set PSS to OFF and do not use.
Grasp/Hold yoke Press/Hold UP button	Pitch servo disengages after 0.5 seconds as sensed by increased freedom of movement.
Maintain grasp of yoke Release UP button	Pitch servo immediately re-engages as sensed by the reduced freedom of movement on yoke/pitch axis.
Grasp/Hold yoke Press/Hold DOWN button	Pitch servo disengages after 0.5 seconds as sensed by increased freedom of movement.
Maintain grasp of yoke Release DOWN button	Pitch servo immediately re-engages as sensed by the reduced freedom of movement on yoke/pitch axis.
Set PSS (Pitch Stab Switch) to ON	Lights OFF: VS - ALT - GS Lights ON: UP - DOWN
Press VS to engage Vertical Speed Mode	Light ON: VS
Move yoke to neutral position	
Press/Hold UP button	Yoke moves in aft direction
Release UP button	Yoke continues moving in aft direction
Press/Hold DOWN button	Yoke slows to a stop in aft direction then moves in forward direction
Release DOWN button	Yoke continues moving in forward direction
Press ALT to engage altitude hold mode.	Light ON: ALT
Press/Hold UP button	Yoke moves in aft direction
Release UP button	Yoke continues moving in aft direction
Press/Hold DOWN button	Yoke slows to a stop in aft direction then moves in forward direction

Release DOWN button	Yoke continues moving in forward direction
Press VS to engage Vertical Speed Mode	Light ON: VS
	After 3 seconds: Light ON: TRIM & DOWN Audible Alert: Steady
	After 7 seconds: Light FLASHES: TRIM & DOWN Audible Alert: Periodic
Move yoke full aft	
Move yoke forward until TRIM light off	Light OFF: DOWN Audible Alert: None
	After 3 seconds: Light ON: TRIM & UP Audible Alert: Steady
	After 7 seconds: Light FLASHES: TRIM & UP Audible Alert: Periodic
Move yoke full forward	
Move yoke aft until TRIM light off	Light OFF: UP Audible Alert: None
Press AP Disconnect / Trim Interrupt Switch Roll Switch In	All Lights OFF

Pre-Taxi Setup	
Foreflight Airports Tab	Set to destination
Foreflight Plates Tab	Open expected approach
Foreflight G750 Connection	Verify
Flight Plan	Send to Panel or Enter manually
Transponder	Set squawk
COM/NAV Frequencies	Load
Map Display	Track Up or North Up
G275 Auto-Pilot NAV Source	Heading or GNSS
G275 Heading and Altitude Bugs	Set ATC assigned heading and altitude

Taxi Check	
Magnetic Compass	Moves freely, no abnormal bubbles
Heading Indicator	Matches compass
Turn & Slip	Matches direction of turn and Ball moves to outside of turn.