

## C-GCQJ CHECKLIST CESSNA 150F



### OPERATING NOTES

1. MASTER SWITCH is a Split-Rocker Switch:
  - a. LEFT Rocker is the MASTER SW
  - b. RIGHT Rocker is the ALT FIELD SW
  - c. This Checklist provides proper sequencing of the Rocker switches.
2. No Acrobatics approved.
3. Intentional Spins with Flaps extended are prohibited.
4. **CAUTION: CARB HEAT** must be **ON** before throttle is retarded to Idle on all landings.
5. **WARNING: DO NOT** Takeoff with snow, ice or frost on wing and tail surfaces.

### DISCLAIMER

This Checklist for reference only.  
Information within this Checklist is superseded by the applicable POH, Tech data, STCs and other aircraft-specific documents.  
Use this Checklist at your own Risk.

## C-GCQJ CHECKLIST CESSNA 150F

### CROSS-COUNTRY FLY AWAY KIT

JOURNEY LOG BINDER  
FLIGHT PUBS/MAPS  
FUEL CUP  
ENGINE OIL – 2 QUARTS  
OIL FUNNEL  
FRONT ENGINE COVERS  
METAL CHOCKS

### PASSENGER BRIEFING

1. FRONT SEAT OPERATION SEATBELT USE
2. OPERATON OF DOORS
3. EMERGENCY EXIT PROCEDURE – ALWAYS TOWARD BACK OF AIRCRAFT
4. SICK BAGS LOCATION – BEHIND FRONT RIGHT SEAT
5. NO SMOKING/OTHER
6. FRONT RIGHT SEAT PAX – CLEAR OF CONTROLS AND RUDDER PEDALS
7. AIR VENTS & CABIN HEAT – LOCATION & OPERATION
8. FIRST AID KIT LOCATION
9. FIRE EXTINGUISHER LOCATION & USE
10. ELT “ON” SWITCH – FOLLOWING CRASH LANDING OR DITCHING
11. HEADSET & INTERCOM USE
12. LOOSE ITEMS SECURED FOR T/O AND LANDING

QUESTIONS?

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## SPEEDS (MPH)

Vs (Flaps Full Down).....48  
Vs (Flaps Up).....55  
Vr.....50  
Vx (Max Angle) .....52  
Vy (Max Rate) .....72  
Vfe (Max Flap) .....100  
Enroute Climb.....75-80  
V<sub>maneuve</sub> .....109  
Vne.....162  
Best Glide.....65  
Approach (Flaps up).....65-75  
Short Field Approach:  
    Flaps .....40°  
    Airspeed .....58

## SPECS & LIMITS

### G Limits:

    Flaps Up ...+4.4 to -1.76  
    Flaps Dn...+3.5

Max Gross Weight.....1600 lbs  
Fuel Capacity .....38 USG  
Empty Weight + 38 USG fuel:  
    ..... 1205 lbs  
Max weight Pax + Baggage:  
    .....395 lbs  
Max Baggage .....120 lbs  
Tires .....NOSE 30 PSI  
    .....MAIN 21 PSI

## PREFLIGHT

Weight & Balance..COMPLETE  
POH .....IN COCKPIT  
Hobbs.....RECORD  
Starter ..... FULL IN  
Ignition.....OFF  
Master SW .....OFF  
ALT FIELD SW .....OFF  
Cabin Heat .....FULL IN  
Landing Light .....OFF  
Strobe Light .....OFF  
NAV Lights .....OFF  
ELT SW.....AUTO  
Radios/NAV Aids .....OFF  
Transponder .....OFF  
Carb Heat ..... IN/COLD  
Throttle .....IDLE  
Fuel Mixture .....FULL LEAN  
Primer .....LOCKED  
Circuit Breakers .....ALL IN  
Overhead Console .....ALL OFF  
Master.....ON  
Fuel Quantity.....CHECK  
ALT INOP Light .....ON

## **WARNING**

IF ALT INOP LIGHT IS NOT ON  
DO NOT START ENGINE  
Exterior Lights .....CHECK  
Flaps .....UP  
Master SW .....OFF  
Control Lock .....REMOVE

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## EXTERIOR INSPECTION

Walk Around .....CONDUCT  
Tie Downs .....REMOVE  
Gust Locks .....REMOVE  
Tires .....NOSE - 30 PSI  
                                MAIN - 21 PSI  
Static Source .....CHECK  
Oil Level .....3.5 to 4 QTS  
                                4 QT MIN FOR  
                                3 HOUR FLIGHT  
Prop & Spinner ..... CHECK  
Carb Air Filter.....CHECK  
Strainer Drain .....PULL 2 SEC  
                                CHECK FOR  
                                WATER/SEDIMENT  
Pitot Tube .....CHECK  
Fuel Vent .....CHECK  
Stall Warning Vent .....CHECK  
Chocks .....REMOVE

## ENGINE START

Seats Belts .....SECURED  
Brakes .....TEST & SET  
Fuel Valve Handle .....ON  
                                (HORIZONTAL)  
Master SW .....ON  
Carb Heat .....IN/COLD  
Throttle .....¼ INCH OPEN  
Mixture .....RICH  
Primer .....AS REQ  
Prop Area .....CLEAR

Ignition SW .....BOTH  
Starter Handle .....PULL &  
                                RELEASE  
Oil Pressure ....GREEN WITHIN  
                                30 SECONDS  
ALT Field SW .....ON  
ALT INOP Light .....OUT  
Mixture..... LEAN MAX

## BEFORE TAXI CHECK

Strobe .....ON  
NAV lights .....ON  
Radio/NAV Aids.....ON  
Transponder .....STBY  
ATIS .....OBTAIN  
Altimeter .....SET  
Attitude Indicator .....LEVEL  
Directional Gyro .....SET  
Brakes .....CHECK ON TAXI

## RUNUP CHECK

Engine Temp .....GREEN  
Fuel Valve .....ON  
Brakes .....HOLD  
Throttle.....1700 RPM  
Engine Instruments .....CHECK  
Magnetos.....CHECK  
                                (max drop 150 / diff 75)  
Carb Heat .....ACTION ON/OFF  
Suction Gage ..... 4.6" to 5.4"  
Throttle .....IDLE CHECK  
                                THEN AS REQ

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## BEFORE TAKEOFF CHECK

Flaps .....UP  
Trims .....SET FOR TAKEOFF  
Flight Controls.....FREE  
Doors & Windows ....LATCHED  
Carb Heat .....COLD  
Mixture .....RICH  
NAV Aids .....SET FOR FLT  
Transponder .....ALT  
Landing Light .....ON

## TAKEOFF

Directional Gyro .....RWY HDG  
Throttle.....Full OPEN  
Engine Instrument.....CHECK  
Rotate.....50 MPH  
Climb.....72 MPH  
Enroute Climb .....75-80 MPH  
Time Up.....NOTE

## TAKE OFF

### MAX PERFORMANCE

Flaps .....UP  
Carb Heat .....COLD  
Brakes .....HOLD  
Throttle .....FULL  
Brakes .....RELEASE  
Elevator ...SLIGHTLY TAIL LOW  
Climb .....52 MPH UNTIL  
CLEAR OF OBSTACLES

## LEVEL OFF & CRUISE

Throttle .....2000-2750 RPM  
Mixture.....LEAN TO  
MAX RPM  
Trim.....SET  
Fuel Quantity .....CHECK  
Engine Gauges.....CHECK  
Heading Indicator.....CHECK  
Landing Light.....OFF

## PRE-DESCENT

Fuel Quantity .....VERIFY  
Engine Gauges .....NORMAL  
Carburetor Heat.....AS REQ  
Power.....AS DESIRED  
Mixture.....ADJUST  
Altimeter.....SET  
Heading Indicator.....CHECK  
Landing Light .....ON  
Cabin Heat/Demister ..AS REQ  
Seat Belts .....SECURE

# C-GCQJ CHECKLIST CESSNA 150F

## APPROACH & LANDING

Mixture .....RICH  
Carb Heat .....ON BEFORE  
CLOSING THROTTLE  
Airspeed .....65-75 MPH  
Flaps .....AS REQ BELOW  
100 MPH  
Airspeed .....60-70 MPH  
FLAPS EXTENDED  
Touch Down ....MAIN WHEELS  
FIRST  
Landing Roll .....LOWER NOSE  
WHEEL GENTLY  
Braking .....MIN REQUIRED

## GO-AROUND

Throttle.....FULL OPEN  
Flaps..... 20°  
UPON REACHING SAFE  
AIRSPEED  
RETRACT FLAPS SLOWLY TO  
FULL UP

## AFTER LANDING

Transponder.....STBY  
Landing Light.....OFF  
Carb Heat .....COLD/IN  
Mixture.....LEAN (for taxi)  
Flaps.....UP  
Trims .....RESET FOR T/O  
Time Down .....NOTE

## SHUTDOWN

Radios/NAV Aids .....OFF  
Transponder .....OFF  
NAV Lights .....OFF  
Throttle.....IDLE  
Mixture.....CUTOFF  
Ignition.....OFF  
Master & ALT Field SW ....OFF  
Strobe .....OFF  
Hobbs .....RECORD  
Control Lock .....INSTALL  
Doors/Windows.....LOCKED  
Tie-Downs.....SECURE  
Flight Plan.....CLOSE

## C-GCQJ CHECKLIST CESSNA 150F

### ENGINE FAILURE AFTER TAKEOFF

Airspeed .....65 MPH  
Mixture .....CUTOFF  
Fuel Valve .....OFF  
Ignition SW .....OFF  
Doors .....OPEN

### ENGINE FAILURE IN FLIGHT

Airspeed .....65 MPH  
Carb Heat .....ON  
Primer .....IN & LOCKED  
Fuel Valve .....ON  
Mixture .....RICH  
Ignition .....BOTH  
Starter Handle .....PULL  
IF NECESSARY

### FORCED LANDING

Airspeed Flaps UP .....65 MPH  
Flaps DN .....55 MPH  
Mixture .....CUTOFF  
Fuel Valve .....OFF  
Ignition SW .....OFF  
Flaps .....AS REQ  
Master & ALT Field SW .....OFF  
Doors .....OPEN BEFORE  
TOUCHDOWN  
Touchdown .....TAIL LOW  
Brakes .....APPLY HEAVILY

### ENGINE FIRE ON START

Engine .CONTINUE CRANKING  
IF ENGINE STARTS:  
Throttle .....1700 RPM  
For a few minutes  
Engine .....SHUT DOWN  
IF NO START:  
Engine .CONTINUE CRANKING  
Throttle .....FULL OPEN  
Mixture .....CUTOFF  
Ignition .....OFF  
Master SW .....OFF  
Fuel Valve .....OFF  
Fire .....EXTINGUISH  
INSPECT FOR DAMAGE

### ENGINE FIRE IN FLIGHT

Mixture .....CUTOFF  
Fuel Valve .....OFF  
Master & ALT Field SW .....OFF  
Cabin Heat/Air .....CLOSE  
Airspeed .....AS NECESSARY  
TO EXTINGUISH FIRE  
Forced Landing .....EXECUTE

## C-GCQJ CHECKLIST CESSNA 150F

### ELECTRICAL FIRE IN FLIGHT

Master & ALT Field SW .....OFF  
Ignition .....BOTH  
All Electric SW .....OFF  
Cabin Heat/Air .....CLOSE  
Fire Extinguisher .....IF REQ  
LAND AS SOON AS POSSIBLE  
If Fire Appears Out,  
And Electrics are necessary:  
Master SW .....ON  
ALT Field SW .....ON  
Circuit Breakers .....CHECK  
DO NOT RESET  
Radio & Necessary Electrics:  
ON INDIVIDUALLY  
CHECK FOR SMOKE  
VENTILATE CABIN

### ALT INOP LIGHT ON IN FLIGHT

Electrical Load .....REDUCE  
Check ALT Field Circuit  
Breaker:  
If Tripped,  
ALT Field SW .....OFF  
Circuit Breaker .....RESET  
ALT Field SW .....ON  
If Breaker Trips Again,  
ALT Field SW .....OFF  
Land as soon as practicable  
Check Alternator Output C/B  
If Tripped,  
ALT Field SW .....OFF  
Circuit Breaker .....RESET  
ALT Field SW .....ON  
If Breaker Trips Again,  
ALT Field SW .....OFF  
Land As Soon AS Practicable

### **WARNING**

Land before battery power is  
depleted or be prepared to  
operate aircraft with no  
electrical power if ALT INOP  
Light remains ON and/or  
battery discharging indication  
is observed.

— CRUISE PERFORMANCE — WITH LEAN MIXTURE									
MODEL 150 COMMUTER									
ALTITUDE	RPM	%BHP	TAS MPH	GAL./HR.	END. HOURS			RANGE, MILES	
					STANDARD	LONG RANGE	STANDARD	LONG RANGE	
					22.5 GAL.	35 GAL.	22.5 GAL.	35 GAL.	
2500	2750	94	126	7.2	5.1	4.9	305	610	
	2700	89	124	8.8	3.3	5.2	410	640	
	2600	79	119	6.0	3.3	5.9	450	700	
	2500	71	114	5.3	4.3	6.6	485	735	
	2400	63	108	4.7	4.8	7.4	515	806	
	2300	58	102	4.2	5.3	8.3	540	845	
	2200	50	95	3.8	5.9	9.1	565	865	
	2100	45	87	3.3	6.4	10.0	560	870	
	5000	2750	87	126	6.6	3.4	5.3	430	670
		2700	82	124	8.2	3.6	5.6	450	700
2600		74	119	5.5	4.1	6.3	485	786	
2500		66	113	4.9	4.6	7.1	515	800	
2400		58	107	4.4	5.1	7.9	545	845	
2300		53	100	4.3	5.6	8.7	555	865	
2200		47	92	3.7	6.1	9.5	580	875	
2100		44	86	3.4	6.6	10.2	585	875	
7500		2700	76	123	5.7	3.9	6.1	485	755
		2600	68	117	5.1	4.4	6.8	512	806
	2500	61	111	4.6	4.9	7.8	540	845	
	2400	55	104	4.2	5.4	8.3	565	865	
	2300	50	97	3.8	5.9	9.1	565	880	
	2200	45	90	3.6	6.3	9.7	560	875	
	2100	44	85	3.4	6.6	10.2	560	870	
	10,000	2700	71	122	5.3	4.2	6.6	515	805
		2600	64	116	4.8	4.7	7.3	540	840
		2500	58	109	4.4	5.1	8.0	560	870
2400		52	101	4.0	5.6	8.7	565	880	
2300		48	94	3.7	6.0	9.4	566	885	
2200		45	89	3.5	6.3	9.8	562	875	
12,500		2650	63	117	4.7	4.8	7.4	555	800
		2600	60	113	4.5	5.0	7.7	560	875
		2500	55	105	4.2	5.4	8.4	570	865
		2400	51	99	3.9	5.8	9.0	570	890
	2300	48	89	3.7	6.1	9.5	545	845	

NOTES: 1. Maximum cruise is normally limited to 75% power.  
 2. In the above calculations of endurance in hours and range in miles, no allowances were made for take-off or reserve.  
 3. Cruise and range performance figures shown are applicable to the COMMUTER. For the STANDARD and TRAINER versions, subtract 2 MPH from the higher cruise speeds and 1 MPH from the lower cruise speeds shown.