Pref	flight Cessna 17	72RG
1.	Fuel Level	VISUALY CHECK
2.	Hobbs Book	CHECK #'s
3.	Paperwork	ARROW-AV1ATE
4.	Seat Height	SET UP
5.	Control Lock	REMOVE
6.	Fuel Selector	BOTH
7.	Trim	SET "TAKEOFF"
8.	Instruments	0's, INOP FLAGS
9.	Gear Lever	GEAR DOWN
10.	Master	ON
11.	Fuel Qty	CHECK
12.		LISTEN
13.	Flaps	DOWN
14.	•	GREEN LIGHT
15.	Beacon/Nav/Lights	CHECK LIGHTS
16.		CHECK
17.	Master	OFF
18.	Preflight	WALK AROUND
	☐ Fuel Level	VISUAL CHECK
	☐ Fuel Sumps	DRAIN 4 SUMPS
	□ Oil	5-8 Qts
	☐ Static Port	CHECK
	☐ 360 Walk	TIE-DOWNS

Passenger Briefing Checklist

1.	Seat Belts/Harness	EXPLAIN and ON
2.	Door / Exiting Plane	EXPLAIN
3.	First Aid/Fire Ext	LOCATE
4.	Scanning for Traffic	ASSIST
5.	Exchange Controls	EXPLAIN
6.	Seat Rail Locks	CHECK

rt Checklist	
S	SET
ical	ALL OFF
t Breakers	ALL IN
e	FULL RICH
retor Heat	OFF
Flaps	OPEN
	AS REQ'D (2-4)
r	LOCKED
r Switch	ON
n	ON
le	1/4 Inch Open

etos/Starter	CRANK ENGINE
le	800-1000 RPM
e	LEAN for TAXI
essure	30 Sec. GREEN
	UP
cs Master	ON
ments	DG to Compass
	4000 CTANDDV
ponder	1200 "STANDBY"
ponder	SET Altimeter
	s ical t Breakers e retor Heat Flaps r r Switch on le etos/Starter le e esssure cs Master

While Taxi Checklist	
Brakes	TEST both sides
Verify Instruments	6 PACK CHECK
•	Compass/TC/DG
Position at Run-up	INTO WIND
Run-Up Checklist	
1 Brakes	SFT

1.	Brakes	SET
2.	Doors/Windows	CLOSED
3.	Belts/Harness	SECURED
4.	Controls	CHECK
5.	Trim	SET TAKEOFF

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6.	Instruments	SET AI / DG
7.	Alt Static	PULL CHECK
8.	Primer	LOCKED
9.	Fuel Selector	ON BOTH

٥.	i dei delectoi	ON BOTT
10.	Blast Area	CLEAR BEHIND
11.	Throttle	1700 RPM
12.	Engine Instruments	ALL GREEN

13.	Mixture	LEAN
14.	Magnetos	125 Max, 75 Diff
15.	Carburetor Heat	CHECK then OF

6.	Propeller	3 times, -300RPM
7.	Ammeter Check	+CHARGING
8.	Vac/OilPress/Temp	ALL GREEN

18.	vac/OilPress/Temp	ALL GREEN
19.	Throttle	800-1000 RPI
20	Cowl Flans	OPEN

20.	Cowi Flaps	OFEN
21.	IFR: Pitot Heat	Turn On for IFR

F	₹e	a	dy	for	Taked	off	Ch	e	ck	di	S	
						_		_	_	_		

Lights	STROBE/ NAV / LANDING
Camera	TRANSPONDER "AIt"
Action	Note TAKEOFF TIME
Review	Vspeeds
	-:

Review Take Off Engine Loss Review WINDS

Contact Ground or Tower

Airspe	eds	C172RG
V1	abort takeoff	39 KIAS (50% Rwy)
Vs0	stall w/Flaps	42 KIAS
Vs1	stall clean	50 KIAS
Vr	rotate	55 KIAS
Take	off Climb	70- 80 KIAS
Vy	best rate	77 KIAS
Vx	best angle	68 KIAS
Vbe	st glide	70 KIAS Glide
Vfe	flaps extend	130 KIAS full flaps
Va	maneuvering	106 KIAS- 2650 lbs
Vno	max cruise	145 KIAS
Vne	never exceed	164 KIAS
VIo	gear operation	140 KIAS
Vle	gear extended	164 KIAS
Landing: 13" MP 75 base/final - 65 over #'s		

Takeoff Checklist (Normal Takeoff)

Trim SET TAKEOFF

Flaps

Vrotate 55 KIAS Vrotate Climb Out 70-80 KIAS Landing Gear UP when Clear

Short Field Takeoff

UP (10deg SOFT) Flaps **55 KIAS Vrotate** Vrotate Vx 63 KIAS

Cruise/Climb Checklist

,ı uı	Ser Cilling Cileckiist	
1.	Climb Airspeed	85-95 KIAS
2.	Landing Light	OFF
3.	Prop/Power	SET BOTH
4.	Mixture	Lean As RQD
5.	Cowl Flaps	AS RQD

Descent Checklist

 Power 	Reduce as RQD
Mixture	Enrichen as RQD
Carb Heat	ON as RQD
4. Cowl Flaps	CLOSED

Pre Landing Checklist

C - Cowl Flaps	CLOSE
C - Carb Heat	ON
G - Gas	ON BOTH
U - Undercarriage	GEAR DOWN
M - Mixture	RICH if Necessary
P - Props	FULL FWD
S - Switches	Landing Light ON
S - Safety	Seat Belts ON

Landing

80 KIAS @ 20" MP Downwind Abeam #'s 75 KIAS @ 15" MP (10°) Over the #'s **60-70 KIAS FULL FLAPS** Over the #'s 75-95 KIAS NO FLAPS Short Field 63 KIAS over numbers ** Gusty or Cross Winds No Flaps, SLIP

Go Around (ABORTED LANDING)

Throttle	FULL THROTTLE
Carb Heat	OFF
Flaps	UP, to 20 Degrees
Airspeed	Establish 55+ KIAS
Flaps	Bring up SLOWLY

Clear Runway Checklist

Trim	SET "TAKEOFF"
laps	UP
Carb Heat	OFF
anding Light	OFF
- " "	4000 COTDDA

Transponder 1200 "STDBY" Cowl Flaps **OPEN**

IFR: Instruments CHECK 6 pack

Shutdown Checklist

Electrical	AVIONICS OFF
Throttle	IDLE
Mixture	IDLE CUTOFF

OFF Magnetos Master OFF Cowl Flaps **CLOSED SECURE** Control Lock Tiedowns **FASTEN**

CLOSE FLIGHT PLAN

Emergency Procedures

Engine Failure C172RG

Memory Items ABCDE

A Airspeed 70 KIAS

B Best Place to Land (Check Wind Dir) C Checklist TRY RESTART

D Declare Emergency 121.5 MAYDAY

7700 IDENT

E Execute Landing Doors Open Belts..

ENGINE RESTART Procedures

Fuel Selector
Mixture
Throttle
Carb Heat
Primer

FULL RICH
FULL THROTTLE
FULL ON
BOTH
FULL ON
BOTH
FULL ON
BOTH
LOCKED

Before TOUCHDOWN (forced landing)

Doors **OPEN SECURE** Belts PROTECT HEAD Cushions Mixture **IDLE CUTOFF OFF Fuel Selector** OFF Magnetos Flaps **FULL** Master OFF Landing SOFT FIELD

Engine Fire in Flight

Mixture IDLE CUTOFF Fuel Selector OFF

Cabin Air/Heat CLOSE VENTS
Flaps FULL FLAPS

Master OFF

Airspeed TOP of WHITE 95 KIAS

Bank Angle 45 DEGREES

Proceed with Engine Failure Above

Electrical Fire in Flight

Master OFF
Avionics OFF
All Switches OFF
Vents/Cabin Air CLOSED
Fire Extinguisher ACTIVATE
Fire EXTINGUISHED
Vents/Cabin Air VENT CABIN
If electrical power is necessary, then:

Master ON

Circuit Breakers CHK, do not reset

Radios OFF Avionics Master ON

Radios/Switches ONE AT A TIME

Wing Fire

Navigation Lights OFF
Pitot Heat OFF
Strobe Lights OFF
Side Slip PERFORM

Excessive Rate of Charge

Alternator OFF
Alternator Breaker PULL OFF
Nonessential Equipment OFF
Flight Terminate ASAP

Low Voltage Light On

Avionics Master OFF Alternator Circuit Breaker CHECK IN Master (both sides) OFF Master (both sides) ON Low Voltage Light CHECK Avionics Master ON If low-voltage light illuminates again, then OFF Alternator Nonessential Radios/Equip OFF Flight Terminate ASAP

Emergency Gear Extension

Master Switch
Circuit Breakers
Gear Lever
Gear Indicator Bulbs
Emergency Hand Pump
Pump until gear down indication (~35 cycles)

Lost - 'CCCCC'

Climb (Better radio range)
Communicate (FSS, 121.5)
Confess (Ask for help)
Comply (Follow advice)
Conserve (Fuel-slow down)

SPIN RECOVERY

Throttle IDLE
Ailerons NEUTRAL
Rudder OPPOSITE Rotation
Elevator FWD BRISKLY
Rotation STOPPED
Controls NUETRALIZE
Recover SLOWLY

C172RG Performance (180hp) Fuel Capacity 62 Usable Gallons Fuel Burn ~10 GPH Range ~650 NM Endurance ~5 Hours

Airport	WX	Twr-CTAF	TPA	Runways
КВЈС	126.250	118.6/121.7	6500	30RL /12RL
KEIK	133.825	123.000	6200	34 /16rp
KLMO	120.000	122.975	6000	29 /11
KFNL	135.075	118.4/121.65	6000	33/ 15
KBDU	118.825	122.725	6300	8 /26rp
KGXY	135.175	122.800	5500	35 /17/28/10
KAPA	120.300	118.9/121.8	6900	35RL /17RL
Practice Area Longmont			123.175	
Practice Are	a Chatfield		122.750	
Emergency		121.500		
Flight Service	e	122.200		
Den App	(W)126.1	(N)134.85	(E)128.25	(S)128.45
KBJC Fuel Truck		(303) 466-2336	122.950	
KBJC Tower		(303) 633-8600		
IFR Clearance		(888) 766-8267		

Maneuver Configuration (Clearing Turns, Altitude, Landing Area)	
Steep Turns	Flaps UP, Gear UP, xx"MP/xxxrpm, xxx KIAS, Add xx in Turn
Slow Flight	Flaps FULL, Gear DOWN, xx"MP then xx*MP Prop FULL, xx KIAS
Power On Stall	Flaps UP, Gear DOWN, xx"MP, Prop FULL, xx KIAS, then Full Power
Power Off Stall	Flaps DOWN, Gear DOWN, xx*MP, Prop FULL, Descend, then IDLE
Emergency Descent	Flaps DOWN, Gear DOWN, Prop FULL, Power IDLE, 30° xxx KIAS
Steep Spiral	Flaps UP, Gear UP, Prop FULL, Power IDLE, <60°, xx KIAS
Ground Ref	Flaps UP, Gear UP, Prop FULL, xx°MP, xxx KIAS
Chandelle	Flaps UP, Gear UP, Prop FULL, xx*MP, xxx KIAS, then Power FULL
Lazy 8	Flaps UP, Gear UP, Prop FULL, xx"MP, xxx KIAS