GREAT BASIN AVIATION

AIRWORTHINESS CHECKLIST

CESSNA 172R N37JA

Name: _____ Date: _____ N-Number: _____

Inspections						*AVIATES*
	Annual	12 Months	FAR 91.409 (a)	Most Recent:	Next Due:	
	VOR Check*	30 Days	FAR 91.171	Most Recent:	Next Due:	
	100 HR Inspection	100 HRs	FAR 91.409 (b)	100HR Due: _____ - Current TACH: _____ = _____		
	Altimeter*	24 Months	FAR 91.411	Most Recent:	Next Due:	
	Transponder	24 Months	FAR 91.413	Most Recent:	Next Due:	
	ELT/ELT Battery		FAR 91.207 (c/d)	Most Recent:	Next Due:	
	Static & Encoder*	24 Months	FAR 91.411	Most Recent:	Next Due:	

**** Required for IFR Flight***

Documents			*ARROWEC*
	Airworthiness Certificate	FAR 91.203	Hobbs Out _____
	Registration Certificate	FAR 91.203	
N/A	**Radio Station License**	Outside US	Hobbs In _____
	Operating Handbook	POH/AFM FAR 91.9	
	Weight and Balance	POH/AFM	Flight Time _____
	External Data Plate	FAR 45.11	
	Compass Deviation Card	FAR 23.1547	Ending Tach _____

Required Equipment - FAR 91.205

VFR (Day) - FAR 91.205 (b) *ATOMATOFLAMES*
Anti-collision light system
Tachometer
Oil Pressure gauge (each engine)
Manifold pressure (each altitude engine)
Airspeed Indicator
Temp gauge (each liquid-cooled engine)
Oil Temperature gauge (each air-cooled engine)
Fuel quantity indicator
Landing gear position indicator (if retractable gear)
Altimeter
Magnetic compass
ELT
Safety belts

IFR - FAR 91.205 (d) *GRABCARDD*
All Day VFR equipments
All Night VFR equipments
Generator / Alternator
Rate of turn indicator
Attitude indicator
Ball (Slip/Skid indicator)
Clock (w/ sweeping second hand or digital)
Altimeter (pressure sensitive)
Radio equipment
Directional gyro
DME (if above FL240 and using VORs)

VFR (Night) - FAR 91.205 (c) *FLAPS*
All Day VFR equipments
Fuses
Landing light
Anti-collision light system
Position indicator lights
Source of electricity

Always use the approved Operators Maunual or POH/AFM specific to the airplane you are flying. Great Basin Aviaiton assumes no responsibility or liability for any errors or inaccuracies that may appear on this guide and it is not intended to replace the approved POH/AFM or FAA approved publications and procedures. 05-09-2019

Airport			Information			Time	
Wind		@		G		Visibility	
SKY	OVC	BKN	SCT	FEW	@	CLR	SKC
	OVC	BKN	SCT	FEW	@	CLR	SKC
	OVC	BKN	SCT	FEW	@	CLR	SKC
Temperature			Dewpoint			Altimeter	
Expect Runway			Remarks				
C							
R							
A							
F							
T							
Taxi			Via			Cross/ Hold Short	
Taxi			Via			Cross/ Hold Short	
Airport			Information			Time	
Wind		@		G		Visibility	
SKY	OVC	BKN	SCT	FEW	@	CLR	SKC
	OVC	BKN	SCT	FEW	@	CLR	SKC
	OVC	BKN	SCT	FEW	@	CLR	SKC
Temperature			Dewpoint			Altimeter	
Expect Runway			Remarks				

CESSNA 172R N37JA

WEIGHT & BALANCE

	Weight	x	Arm	=	Moment
Basic Empty Weight	1635.5		38.32"		62,672.36
Front Pilots	+		37"	+	
Rear Passengers	+		73"	+	
Bag1 120lbs. max	+		95"	+	
Bag2 50lbs. max	+		123"	+	
Zero Fuel Weight	=		CG	=	
Usable Fuel	+		48"	+	
Takeoff Weight	=		CG	=	
Fuel Burn	-			-	
Landing Weight	=		CG	=	

Formulas

> Weight x Arm = Moment
> Total Moment / Total Weight = Center of Gravity (CG)
> Max Ramp Weight - Zero Fuel Weight = Usable Fuel Weight
> Fuel Weight / 6 = Fuel Gallons
> 100LL (Blue) Fuel Weighs 6lbs/gal
> Oil Weighs 7.5lbs / gal

FLIGHT PLAN

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

(FAA USE ONLY) ☐ PILOT BRIEFING ☐ VNR ☐ STOPOVER

TIME STARTED | SPECIALIST INITIALS

1. TYPE: ☐ VFR ☐ IFR ☐ DVFR
2. AIRCRAFT IDENTIFICATION
3. AIRCRAFT TYPE / SPECIAL EQUIPMENT
4. TRUE AIRSPEED KTS
5. DEPARTURE POINT
6. DEPARTURE TIME: PROPOSED (Z) | ACTUAL (Z)
7. CRUISING ALTITUDE
8. ROUTE OF FLIGHT
9. DESTINATION (Name of airport and city)
10. EST. TIME ENROUTE: HOURS | MINUTES
11. REMARKS
12. FUEL ON BOARD: HOURS | MINUTES
13. ALTERNATE AIRPORT(S)
14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE
15. NUMBER ABOARD
16. COLOR OF AIRCRAFT
17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)

CIVIL AIRCRAFT PILOTS. FAR Part 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed $1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 99 for requirements concerning DVFR flight plans.

FAA Form 7233-1 (8-82)
Electronic Version (Adobe)

CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL

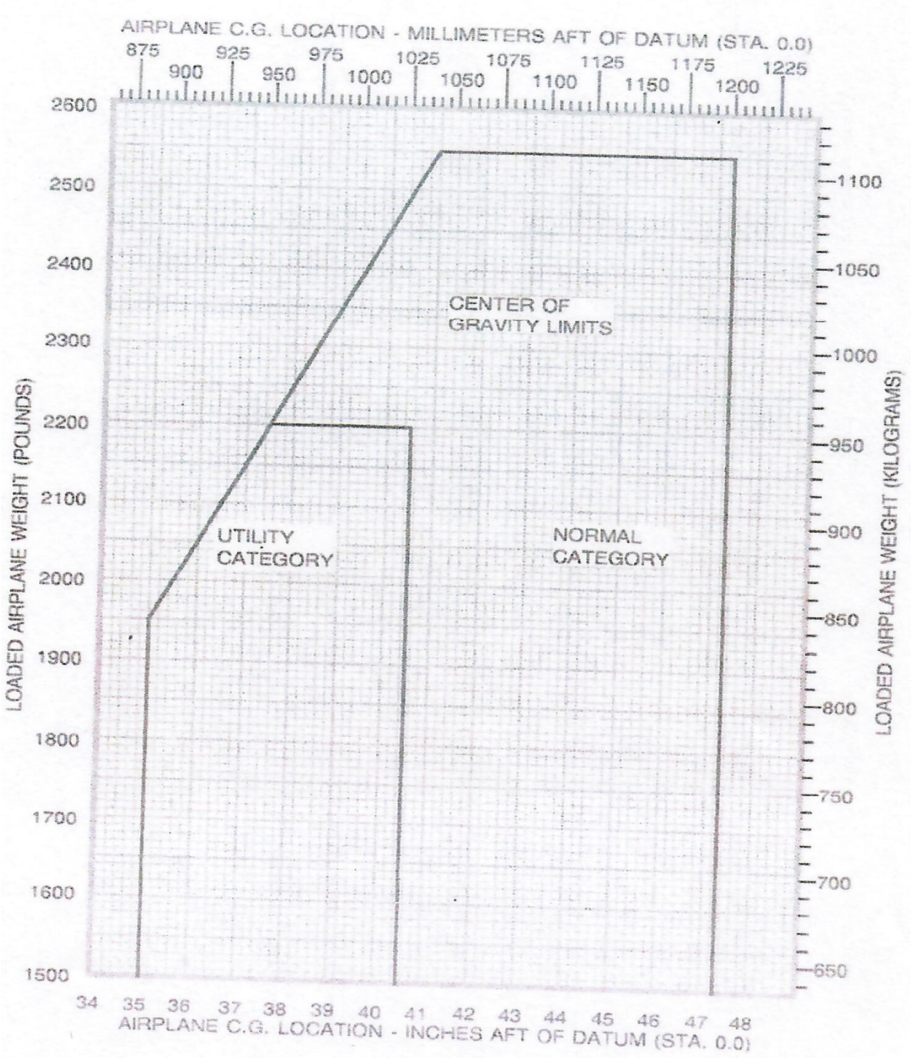

Figure 20
Center of Gravity Limits

Performance			
Short Field Takeoff Distance		Short Field Landing Distance	
Ground Roll		Ground Roll	
50ft Obst.		50ft Obst.	