Preflight Checklist

Completed By Date: Tail Number:	21.183). If Specified as an engine or prop time, rather than AC Time, recalculate using engine/prop time at most recent 100-hour
Documents (ARROW PEC)	o List Available: <u>Airworthiness Directives (ADs) – Current Only</u>
 Airworthiness Certificate – 91.203 (a)(1) Date: Registration Certificate – 91.203 (a)(2) Exp. Radio Station License (plane) (international) – 47 CFR 87.1B 	o To verify recurring AD currency, if required
Operating Handbook (POH) – 91.9 (b)	Form 337 – Part 43, Appendix B
 Weight and Balance (POH, official) – 23.2620 Placards – 23.2610 (a,b,c) External Data Plate – 45.11 	 Required for major repairs and Alterations – Appendix A Review Mx Book for any 337 present
o C ompass Deviation Card – 23.1547	Inoperative Equipment
Inspections (AV1ATES)	List Inoperative Equipment
 Annual – 91.409 (a) – 12 calendar months Most recent Next Due 	
 VOR equipment check (if using for IFR flight) - 91.171 - 30 Days Most recent Next Due 100-hour - 91.409 (b) - every 100 flight hours, less prev. over-flight Total AC Time at next due (-) Current Hobbs (=) Hours left to 100-hour 	Part 91: 91.205 - (b) Day VFR, (c) Night VFR, (d) IFR Fquipment list in POH; and/or Kinds of Operation List Airworthiness Directives Type Certification Data Sheet (Certification Basis section)
 Altimeter/Static Encoder 91.411 – 24 calendar months (for IFR flig Most recent Next Due 	or removed, placarded, and maintenance recorded
 Transponder – 91.413 – 24 calendar months Most recent Next Due 	Fic determines that mop, equipment is not a nazara to the dircraft.
 ELT – 91.207 (c) & (d) – 1 hr use, 50% life remaining. Inspection 12 Months. Battery replacement due Inspection: Most recent 	2 Cal. $Va = \sqrt{current \ wt. / max \ wt.} \ x \ (Va \ @ \ max \ wt.) \ Va = __\$ $NEWKRAFT 91.103 - Notams, Everything, Weather, Known ATC delays, Runway.$
OUT HOBBS OUT TACH	IN Hobbs IN TACH

Airworthiness Directives – Part 39

Airworthy means an aircraft and component parts meet its type design (or properly altered configuration) and is in a condition for safe operation. (FAR 21.31, 21.41,

Required Equipment: 91.205		☐ A ltimeter (barometric pressure sensitive - can set in Kollsman window)		
VFR Day 91.205 (b) (ATOMATOFLAMES)		Radio equipment necessary for flight (communication & navigation)		
	ultimeter	☐ D irectional gyro (heading	-	
_	achometer	■ D ME 91.205(e) (if above	FL240 and using VORs)	
		Weight & Balance * (W x A = M) (check within limits in POH) for 5720W & 5546W		
	Oil Pressure gauge Onnifold pressure gauge (each altitude engine -turbo or supercharged)			
		<u>W</u> eight (lbs)	CG (in) <u>A</u> rm(1942Z)	<u>M</u> oment (lbs x in)
_	Anti-collision light system (if manufactured after 1996) (beacon & strobe)	Franty (DOLLING D)		
_	emperature gauge (each liquid cooled engine)	Empty (POH W&B)		
_	Dil temperature gauge (each air cooled engine)	+ Front seat	85.5 in	
_	ruel gauges for each tank (must be accurate when empty)	+ Back seat	118.1 in (117 in)	
_	anding gear position indicator (if retractable gear)	- Buck seut	110.1 III (117 III)	
_	virspeed indicator	+ Fuel	95 in	
_	Magnetic direction indicator (compass)	+ Baggage (check limit)	142.8 in (117 in)	
	mergency Location Transmitter (if required by 91.207)	- Daggage (check mmil)	112.0 111 (117 111)	
	afety Belts (anyone over 2 years) (shoulder harness taxi, T/O, and landing)	- Taxi Fuel (1 gal normal)	95 in	
_	*** Transponder 91.215 & ADS-B out 91.225- (if in or above Class A, B, C	= Takeoff		
	airspace; above 10,000ft MSL excluding within 2,500ft AGL; within a Mode C veil)			
C veny	- Flight fuel burn	95 in		
N	light 91.205 (c) (FLAPS)	= Landing		
□ <i>F</i> (uses/Circuit Breakers (if fuses- spare set, or 3 spares of each kind)	100LL Fuel 6 lbs / gal.; Oil 2 lbs / qt.		
_	anding light (if for hire)	Output Alliford and fellowers and fellowers and and account and		
_	Inti-collision light system (if manufactured after 1971)	Pressure Altitude: (alt. corrected for nonstandard pressure)		
_	Position lights (navigation lights red, green, white)	PA = (29.92 - current alt. setting) x 1000 + elev PA =		
_	ource of electricity			
IF	FR 91.205 (d) (GRABCARDD)	Density Altitude: (alt. corrected for nonstandard temperature)		
□ G	Generator/Alternator	DA = 120 x (current temp @alt – ISA temp @alt) + pressure alt. DA =		
\square R	rate of Turn indicator (turn coordinator)			
	attitude indicator (gyro pitch and bank)	Takeoff & Landing Performance Calculations (POH chart) *density alt. Takeoff Distance to clear 50ft Obstacle Landing Distance to clear 50ft Obstacle		
_	tall (slip/skid indicator) (inclinometer)			
_	Clock (installed in plane with seconds and minutes) (analog or digital)			
OUT HOBB	OUT TACH	IN Hobbs	IN TACH	