

## Aircraft Dispatch & Check-In Instructions As of June 2018

### A. Prior to each flight:

1. Confirm correct entry of Tach and HOBBS end times on **Aircraft Usage Log sheet** from previous flight
2. Enter Tach and HOBBS beginning times on **Aircraft Usage Log sheet**
3. Review W&B information and confirm within limits for flight
4. Check Maintenance & Inspection Due Dates compliance
5. Review noted aircraft squawks

### B. At the end of each flight:

1. Record flight Tach and HOBBS ending times on **Aircraft Usage Log sheet**
2. Ensure personal items are removed and aircraft is left clean – all trash removed
3. Return borrowed items back to Hodge Flight Services (iPad, Go-Pro camera, headset(s) etc.)
4. Note any aircraft squawk issues on Aircraft Squawk Sheet

## Aircraft Operations & Servicing Information As of June 2018

<b>Weight &amp; Balance Info</b>
CG = 40.83 MOMENT = 61,412.47 Aircraft empty weight = 1509.00lbs Max take-off weight = 2400lbs <b>Max useful load = 891.00lbs</b> (including occupants, bags & fuel) Max baggage capacity 120lbs

<b>Fuel, Oil &amp; Tires Info</b>
<b>Fuel (100 LL Grade):</b> - 43gals total (40gals usable) - 20gals usable per tank
<b>Oil:</b> - Level 5qts min to 8 qts max - Type used AeroShell W100 Plus (SAE- J-1899 SAE 50)
<b>Tire Pressure:</b> - Nose wheel tire 34psi - Main wheel tires 28psi

<b>Post Flight Checks</b>	<b>At CJC Ramp</b>	<b>All Other Locations</b>
Flaps	Up	Up
Fuel Selector Value	Right	Right
All Switches	Off	Off
Controls Lock	Installed	Installed
Parking Brake	<b>Off</b>	On
Cabin Doors	<b>Unlocked</b>	Locked
Baggage Door	<b>Unlocked</b>	Locked
Wheel Chokes	Installed	Installed
Tie Downs	<b>Do Not Install</b>	As Needed
Refueling	Top Off	As Needed

### **Aircraft refueling at KCCR**

Hodge Flight Services has a fuel account with Sterling Aviation. To refuel / top off aircraft contact **Sterling Aviation at (925) 676-2100** or request assistance from the Concord Jet Center line crew. Request Sterling Aviation leave a copy of the fuel receipt in the aircraft cockpit.

Alternatively, if Sterling is unavailable fuel can be purchased using the fuel account Hodge Flight Services has with **Pacific States Aviation at (925) 685-4400**.

**If there are any questions or issues contact or text DeWitt Hodge (925-448-7378)**

# N54048 Supplement Information

V-Speeds		KIAS
<b>VNE</b>	Never Exceed Speed	158
<b>VNO</b>	Max Structural Cruising Speed	127
<b>VA</b>	Maneuvering Speeds 2400 lbs	99
	2000 lbs	92
	1600 lbs	81
<b>VFE</b>	Maximum Flap Extended Speed	110
	10 degrees flaps 10 to 30 degrees flaps	85
<b>Vs</b>	Stall Speed	44
<b>Vso</b>	Stall Speed Landing Configuration	33
<b>Vx</b>	Best Angle of Climb	57
<b>Vy</b>	Best Rate of Climb	70-80
<b>Max Crosswind</b>		15
<b>Rotation</b>		55
<b>Take Off Climb</b>		70 - 80
<b>Cruise Climb</b>		70- 85
<b>Normal Approach</b>		60 - 70

**Best Glide Speed 65 KIAS**

**Emergency Descent Speed 158 KIAS**

## Compass Error Correction (as of June 2018)

<b>N</b>	<b>30</b>	<b>60</b>	<b>E</b>	<b>120</b>	<b>150</b>
<b>360</b>	<b>031</b>	<b>059</b>	<b>090</b>	<b>121</b>	<b>148</b>
<b>S</b>	<b>210</b>	<b>240</b>	<b>W</b>	<b>300</b>	<b>330</b>
<b>178</b>	<b>213</b>	<b>242</b>	<b>272</b>	<b>299</b>	<b>332</b>

Aircraft radios & lights on

Engine Operations Limits		Norma Range	Max - Redline Limit
Oil Temp		100 - 245F	245F
Oil Pressure		25PSI (Min), 60 – 90PSI	115PSI
Oil Quantity		5 (Min) – 8 QTS	8 QTS
Vacuum Suction		4.5 – 5.4 in Hg	
TACH	Sea Level 5,000ft. 10,000ft.	2100 – 2450 RPM 2100 – 2575 RPM 2100 – 2700 RPM	2700 RPM