

# N941TW Supplement Information

V-Speeds		KIAS
VNE	Never Exceed Speed	158
VNO	Max Structural Cruising Speed	127
VA	Maneuvering Speeds 2400 lbs	99
	2000 lbs	92
	1600 lbs	82
VFE	Maximum Flap Extended Speed	110
	10 degrees flaps 10 to 30 degrees flaps	85
Vs	Stall Speed	44
Vso	Stall Speed Landing Configuration	33
Vx	Best Angle of Climb	57
Vy	Best Rate of Climb	70-80
Max Crosswind		15
Rotation		55
Take Off Climb		70 - 80
Cruise Climb		70- 85
Normal Approach		60 - 70

**Best Glide Speed 65 KIAS**  
**Emergency Descent Speed 158 KIAS**

## Compass Error Correction

N	30	60	E	120	150
360	031	062	092	122	151
S	210	240	W	300	330
181	211	241	273	306	331

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) – 7 QTS	7 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

## A. Prior to each flight:

1. Confirm correct entry of Tach and HOBBS Meter times from previous flight on the Aircraft Log Sheet
2. Confirm W&B is within limits for flight
3. Check Maintenance & Inspection Due Dates compliance
4. Review aircraft squawks
5. Measure fuel quantity with **PIPETTE** and re-fuel as needed  
**(NEVER REPLY SOLEY ON AIRCRAFT FUEL GUAGES)**

## B. At the end of each flight:

1. Enter on Aircraft Log Sheet pilot's name, flight Tach and HOBBS Meter beginning and ending times
2. **Ensure MASTER and all other switches are OFF**
3. Ensure aircraft is left clean – all trash removed
4. Note on the Aircraft Log Sheet oil added and any squawks experienced during flight
5. Enclose aircraft keys in Aircraft Log Book zipper pocket
6. Return any barrowed equipment to Hodge Flight Services

## C. Flight Operations Hours:

Normal flight operations hours are **7AM to 6:45PM M/F**, and **8AM to 4:45PM Sat. & Sun.** Flight departures or returns after these hour must be approved and coordinated in advance with Hodge Flight Services.

Weight & Balance Info
ARM = 38.48 MOMENT = 57497.21 Aircraft empty weight = 1495lbs Max take-off weight = 2400lbs <b>Max useful load = 905lbs</b> (including occupants, bags & fuel) Max baggage capacity = 120lbs

Fuel, Oil & Tires Info
<b>Fuel (100 LL Grade) Long Rang Tanks:</b> - 50 gals Usable <b>(54 gals total)</b> - 25 gals usable per tank
<b>Oil:</b> - Level 5qts min to 7 qts max - Type used AeroShell W100 (SAE- J-1899 SAE 50)
<b>Tire Pressure:</b> - Nose wheel tire 34psi - Main wheel tires 28psi

Post Flight Checks	At CJC Ramp (925) – 825-2980	All Other Locations
Flaps	Up	Up
Fuel Selector Value	Right	Right
All Switches	Off	Off
Controls Lock	Installed	Installed
Parking Brake	<b>Off</b>	As Needed
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 (if less than ½ tank)	As Needed

\* Special instructions may apply for returns after normal flt. Ops. hrs.

## D. Aircraft Refueling:

At KCCR - Hodge Flight Services has a fueling services account with **Pacific States Aviation**. To refuel / top off aircraft contact **Pacific States Aviation at (925) 685-4400**, or request assistance from the Concord Jet Center line crew.

At other locations, - obtain and forward to Hodge Flight Services a copy of the fuel receipt for reimbursement. Reimbursement will not exceed the current cost of fuel at KCCR.

**Contact Hodge Flight Services at 925-448-7378 for assistance**