

Flying Particles Owner-Operator Information Sheet Summary

KEEP THIS ORIGINAL FORM FOR YOUR RECORDS

**Scan this form and email to: membership@flyingparticles.org (preferred),
or mail a COPY to: P.O. BOX 1109, LIVERMORE, CA 94551-1109**

At each FPI Student Phase Check or Recurrent Flight Check, please read this sheet and sign below to acknowledge that you will comply with all parts of the Flight Regulations (available at www.flyingparticles.org). This form is a summary only.

Meetings: Held 2nd Tuesday of each month, 7:30 pm at the Five Rivers FBO Building.

Personal Information: Add/change your info in ScheduleMaster, or notify Membership VP.

Billing: Billing cycle is from 16th of month to 15th of next month. Payment is due in 30 days.

Initial Checkouts: Before you fly any club aircraft, you must have an appropriate checkout by a club CFI. For details, see the Flight Regulations.

Recurrent Flight Checks: To fly any club aircraft, you must have a valid recurrent flight check with a club CFI within the preceding 12 calendar months (if you have less than 400 hours PIC), or within the preceding 24 calendar months (if you have 400 or more hours PIC). FAA examinations, instrument currency checks, etc., do not suffice. See the Flight Regulations for details.

Reservations:

- Do not fly an aircraft without a reservation.
- Make reservations at www.schedulemaster.com

Damage to Aircraft: If you have or may have damaged an aircraft, contact the plane captain or the Maintenance VP (fpi_maintenance@email.com) within 48 hours, or as soon as possible. Ground the aircraft, if appropriate by, placing a legible sign in the aircraft and on ScheduleMaster.

Squawks and Maintenance Problems: Enter any aircraft-related problems in ScheduleMaster by clicking on the green/yellow/red triangle to the left of the tail number, or by selecting the Maintenance tab. It is also courteous to call the next pilot to let him/her know of the problem.

Using Aircraft:

- Refuel C182 after each flight. All other aircraft must be fueled after flight if more than 1 tach hour elapsed since airplane was last refueled.
- Use self-service fuel when available. Check www.100LL.com for prices.
- In the logbook: write name, fuel tach time, final tach time, oil level / oil added.
- Clean the aircraft upon your return to LVK (windshield, leading edges, interior, etc.).
- Ensure master switch off, control & throttle locks in place, doors/hangar locked, tied down.

Oil:

- Please ensure there are 2 quarts of oil in the baggage compartment. Replace if you use one.
- As a general rule, **add** 1-quart oil to an aircraft **only** when it has fallen to the following levels.

N6475Q	N733BE	N9658K / N5525V / N2933A	N1080M	N5772R
4 quarts	5 quarts	5 quarts	9 quarts	5 quarts

Member Signature

Date

Club CFI Signature

Date

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Mooney M20J CHECKOUT FORM [Page 1 of 2]

GROUND CHECK

1. Takeoff, landing, and cruise performance at maximum gross weight. Takeoff roll and landing distance over 50-foot obstacle at sea level and at 5,000 feet. Cruise range in hours and miles.
2. Airspeeds: Rotation speed; normal climb speed; best glide speed; stall speeds; landing gear and flap deployment speeds; maneuvering speed; never exceed speed; v_x and v_y at sea level and at 10,000 feet. Spiral descent procedure.
3. Fuel and oil requirements. (7 qt maximum, 5 qt minimum of oil) Auxiliary fuel pump.
4. Location and use of constant speed propeller. What is BMEP? Power settings for climb, cruise, and for the pattern.
5. Landing gear and flaps: Normal operation (NOTE: Emergency extension procedure for gear). Gear down and locked indicators. Use for short field situations. Use of cowl flaps.
6. Use of all systems and switches in the aircraft. Ram Air system. Pre-flight inspection of door position (open & closed).
7. Permissible loading. See weight and balance records. Do at least one weight and balance calculation for this aircraft.
8. Preflight check.

Mooney M20J [N5772R]

	IAS	
V_x	66	IAS
V_y	88	IAS
V_{s0}	55	IAS
V_{s1}	63	IAS
V_a	116	IAS
V_{ne}	198	IAS
V_{fe}	115	IAS
V_{glide}	90	IAS
$V_{sh\ fld}$	74	IAS
V_{lo}	107	IAS
V_{le}	132	IAS

	<u>lbs</u>
Max gross weight	2740
Empty weight	1881.0
	<u>Inch-lbs.</u>
Empty moment	82544.7
	<u>gals</u>
Total fuel	66.5
Usable fuel	64

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Mooney M20J CHECKOUT FORM [Page 2 of 2]

FLIGHT CHECK [Items marked * are not mandatory. Suggested tolerances are only a guide]

1. [] Use of checklist. Note especially gear, flap, and prop operation.
2. [] Takeoffs: normal; no flaps; short field; soft field. (Tolerances: all airspeeds within ± 10 Kts of nominal)
3. []* Aborted takeoff at rotation speed.
4. [] Climbs: normal; best angle; best rate. (Tolerances: all airspeeds within ± 5 Kts of nominal)
5. [] Slow flight: with flaps; without flaps. (Tolerances: all airspeeds ± 10 Kts; no inadvertent stalls; altitude ± 100 feet)
6. [] Stalls: Power off; approach; departure, accelerated, from go-around. (Tolerances: altitude loss less than 200 ft)
7. []* Steep turns (45 degree bank). (Tolerances: bank ± 5 degrees; altitude ± 100 feet; roll out heading ± 20 degrees)
8. [] Emergency procedures: Landing gear, electrical system, and spiral recovery.
9. [] Instrument proficiency: Straight and level cruise; unusual attitudes; turns to heading; altitude changes.
(Tolerances: cruise heading ± 10 degrees; roll-out heading ± 15 degrees; altitude ± 150 feet)
10. [] For instrument rated pilots: At least one instrument approach.
11. [] Landings: Normal; no flaps; short field; soft field. (Tolerances: approach speeds within ± 5 Kts of nominal)
12. [] One short field landing at Livermore with turn-off at first exit to ramp. (Approximately 1350 feet for 25R)
13. [] Go around from full flaps approach.
14. [] Min. requirements: Private pilot license or better. TT: _____ (125 hrs. min.) Retractable time: _____ (25 hrs. min.)
with either 10 hrs. make & model or 5 hours dual with CFI) or (10 hrs CFI dual time in make and model) or (CFI certificate and 2 hours dual in N5772R and 25 hours retract) (Make & Model is M20E,F,J). Complex endorsement.

INSTRUCTOR'S CERTIFICATION: I certify that _____ has completed his/her Mooney M20J checkout on this date: _____, having demonstrated all items checked above to my satisfaction.

Instructor Signature: _____ Name: _____

CFI # : _____ Expires: _____

Checkout type: Annual [] Initial [] Last medical date: _____ Class 1 2 3

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Flying Particles N5772R M20J Familiarization Sheet

Please discuss the following topics with the N5772R Plane Captain or another individual approved by the executive board. Once this discussion is complete, check each item, and return the signed form via e-mail to membership@flyingparticles.org.

Airspeed Indicator, **KNOTS**

Visor Chart

Engine Monitor: JPI 830

Digital Tach

Fuel Totalizer

Wing tip extensions/hangar doors

Embedded wing fuel gauges

Nose gear travel

Fuel Selector Positions

Gear Extension

Garmin GTN-650 Navigator

Adjustable Seats

Dual GI 275's

Cabin Lights

KAP 150 Auto Pilot

Do not slam baggage door/Handle open

IO-360 Engine: max rpm 2699

Please try to take the very best care of this aircraft possible to keep it nice as long as possible.

Ram Air

Pilot Name: _____ Signature: _____ Date: _____

Checkout By: _____ Signature: _____ Date: _____