

AIRPLANE MAKE & MODEL

Operations Worksheet © 2000

Part

C

Customer's Name _____

Signature _____

Flight Date _____ Aircraft to be used _____

Corrected to
100% by

Date _____

STUDENT PILOTS: Answer questions with boxes () for Pre-Solo quiz.

QUESTIONS

ANSWERS

1.

Circle the items on this aircraft:

Carburetor
Exhaust Gas Temperature Gauge
Alternate Induction Air
Constant Speed Propeller
Manifold Pressure (MP) Gauge
Fixed Pitch Propeller
In-Flight Adjustable Rudder Trim

Turbocharger
Auxiliary Fuel Pump
Carburetor Heat
Manual Primer
Cowl Flaps
Fuel Injection
Fuel Flow Gauge

2.

ENGINE: Complete for this aircraft.....Engine model:
Horsepower:
Maximum RPM:
Maximum static RPM:
Maximum MP:

3.

OIL: Complete for this aircraft.....Total oil quantity:
Minimum safe oil level:
Normal safe oil level:
Type of oil used:

4.

FUEL: Complete for this aircraft.....Grade(s) of fuel approved:
Color(s) of approved fuel:
Total fuel / total usable fuel:
Number, location, and capacity of fuel tanks:

5.

MAGNETOS:.....RPM for magneto check:
Maximum RPM drop allowed:
Maximum magneto RPM difference allowed:

6.

How and where is the fuel sumped?





Weight & Balance Exercise 1 — Fuel Tanks Full

24. Complete the W&B table below for these conditions

GIVEN: with Full Fuel Tank(s),
Load to Maximum Gross Weight (or Max. Ramp Weight)

SOLVE:

How many 170# occupants? _____
How much (if any) baggage? _____
Center of Gravity? _____

ITEM	Moment	Weight	Arm
Basic Empty Weight including unusable fuel and full oil.			
Pilot Station			
Station 2			
Station 3			
Station 4			
Fuel, Main; Gallons ()			
TOTALS:			C.G.
Within C.G and Weight Limits? Y N			

Weight & Balance Exercise 2 — All Seats Filled

25. Complete the W&B table below for these conditions

GIVEN:with All seats filled, occupants 170# each,
Load to Maximum Gross Weight (or Max. Ramp Weight)

SOLVE:

How much fuel permissible? _____
How much (if any) baggage? _____
Center of Gravity? _____

ITEM	Moment	Weight	Arm
Basic Empty Weight including unusable fuel and full oil.			
Pilot Station			
Station 2			
Station 3			
Station 4			
Fuel, Main; Gallons ()			
TOTALS:			C.G.
Within C.G and Weight Limits? Y N			