

Test Questions and Answers

Piper Comanche Test Questions

These questions and answers apply to single-engine Comanches. Where there are model differences that affect the correct answer, they are explained in the test answers on page 3-6. We believe this test, as short as it is, provides a good review of all the major Comanche systems (electrical, fuel, powerplant, propeller, flight instruments, and landing gear). Use modern GAMA POH, not the Piper Owners Manual.

1. What is the total usable fuel capacity of standard and auxiliary fuel tanks in the Comanche?
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2. Describe the procedure for preflight draining of Comanche fuel cell sumps and gasculators.
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3. True or False: Comanches have wet-wing tanks.
4. Why is it important to inspect the condition and security of the fuel caps?
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5. Can you manually drain each fuel cell using a conventional drain tool?
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6. What cautions apply to the use of the Comanche 180 and 250 auxiliary fuel pumps in hot temperatures?
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7. How many fuel cells are installed in standard Comanches?
.....
8. True or False: Comanches have just one fuel quantity gauge.
9. Give the following V-speeds:
V_A
V_X
V_Y
V_{LO}
V_{LE}
V_{NO}
V_{NE}
Best Glide



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10. What is the normal, full flaps approach speed?
11. What is the go-around procedure?
12. Assuming standard fuel tanks, what is the approximate fuel load and range (with a 45-minute fuel reserve) of a Comanche loaded with 200-pounders in the front seats, two 170-pounders in the rear seats, 50 pounds of baggage in the aft baggage area, and cruising at 7,000 feet msl at 75-percent power under ISA conditions?
13. What is the approximate full-fuel payload of the Comanche 250, for both standard and auxiliary fuel tanks?
14. What is the Comanche 250's range and endurance (with a 45-minute fuel reserve) at a cruise altitude of 10,000 feet msl, 65-percent power, ISA conditions, two 200-pounders in the front seats, and full fuel?
- With auxiliary tanks?
15. Describe the emergency landing gear extension procedure.
16. Describe the warning methods used to prevent gear-up landings.
17. What provides positive landing gear downlocks after emergency gear extension?
18. What provides the normal source of electrical power? The emergency source?
19. What are the warnings of a failure of electrical power?
20. Turbocharged models: What is the procedure for turbocharging?

