

GOF Tech Quiz 2016

1. The Porsche crest first appeared on the steering wheel hubs of 1953 models?
 - A. True
 - B. False

2. The President of FOG is: [a freebe from 2015 GOF Tech Quiz (TQ)]
 - A. Alan Weiner
 - B. Allan Winer
 - C. Alan Wiener
 - D. Alan Winer

3. In Ferry Porsche's book, *Cars Are My Life*, what did he consider to be the optimum location for the engine?
 - A. In the rear of the car for maximum traction and weight transfer during acceleration
 - B. Wherever it takes away the least space from the car interior
 - C. Mid-engine, since this created a high polar moment of inertia and thus extremely efficient for racing.
 - D. Front-engined car, with a rear-mounted transmission, since it provided nearly 50% front-to rear weight distribution.

4. The reserve capacity for all 356's is 5 liters.
 - A. True
 - B. False

5. U.S. Porsche importer Max Hoffman urged the factory to develop a no-frills 356. Which car was the result?
 - A. Continental
 - B. Speedster
 - C. Convertible D
 - D. Super 90

6. How much free motion should there be in a 356's ZF steering gear box when the wheels are pointed in the straight-ahead position?
 - A. No free motion is permitted
 - B. 5 degrees either side of a vertical center line
 - C. 10 degrees either side of a vertical center line
 - D. 15 degrees either side of a vertical center line

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7. There are how many regional groups are there in FOG? [freebe #2, 2015 TQ]
 - A. Four
 - B. Five
 - C. Six
 - D. Seven

8. In what model year was the 356 first equipped with a one-piece windshield?
 - A. 1951
 - B. 1952
 - C. 1953
 - D. 1954

9. "Ferdinand" was also the name of:
 - A. Porsche number one
 - B. The last 356 produced
 - C. A mobile assault cannon
 - D. A Porsche tractor prototype

10. When was Ferry Porsche born:
 - A. September 19, 1907
 - B. September 19, 1908
 - C. September 19, 1909
 - D. September 19, 1910

11. What is the recommended fan belt tension on a 356B?
 - A. 5 ft-lbs., when read on a calibrated torque wrench
 - B. 10 psi, if the engine has less than 5,000 miles; 15 psi if the engine has over 5,000 miles
 - C. Belt movement of one inch, when operating the engine with the starter only
 - D. Belt movement of $\frac{1}{2}$ inch to $\frac{3}{4}$ inch when applying light pressure with the thumb

12. Which of the following is NOT a 356 engine type?
 - A. 369
 - B. 546
 - C. 616/1
 - D. 753

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13. The stroke / bore for all pushrod 1958 356's is 74 mm / 82.5 mm.
- A. True
 - B. False
14. One of the contributions to an increase in production to almost a thousand cars per year from 1956 to 1957 was:
- A. Switching from enamel to lacquer paint
 - B. Switching from lacquer to enamel paint
 - C. The elimination of the dynamometer testing of each engine
 - D. The elimination of the 60 mile road test of each car
15. For a new clutch, the pedal free travel should be between 20-25 mm.
- A. True
 - B. False
16. The short-lived America Roadster is most easily identified by:
- A. 1600S logo
 - B. Unique canvas non-removable convertible top
 - C. Spilt windscreen an full cut-out wheel openings
 - D. Old-style roll up windows
17. Which of the following solutions was **NOT** used to keep the connecting rods from hitting the camshaft when the stroke was increased to 74 MM?
- A. Increasing the distance between the crankshaft and camshaft
 - B. Use of roller-bearing connecting rods
 - C. Using a big end on the connecting rods with integral studs, not bolts
 - D. B and C
18. The piston ring gap for 1100-1600 engines includes a measurement of 0.3 mm:
- A. True
 - B. False
19. The first Porsche to be powered by the 4-cam engine was:
- A. 356 Carrera coupe
 - B. 550-03
 - C. 356 Carrera speedster
 - D. 550-01

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20. Common engine number or numbers for 356A's & B's & C's were:
- A. 506
 - B. 506 & 616
 - C. 589
 - D. 616
21. Porsche 356-001 had its engine placed:
- A. Behind the rear wheels
 - B. At the front
 - C. In the middle, between the driver and the rear wheels
 - D. It didn't have an engine, it was a prototype body
22. The engine compression ratios of a 1600 S (616/12) and a 1600C (616/15) 356A are both 8.5 to 1
- A. True
 - B. False
23. The bodywork of the 550 was made of:
- A. Galvanized steel
 - B. Aluminum
 - C. Fiberglass
 - D. Composite materials
24. In 1961, Porsche turned its disc-brake patents over to a company that was to become the supplier of the brakes for the 356C. The company was:
- A. Girling
 - B. Vaelo
 - C. Lucas
 - D. Ate
25. The intake valve lift (cold engine with 1mm clearance) for 1600S, 1600S 90, 1600 C and 1600 SC is 10.8 mm.
- A. True
 - B. False

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Tie Breakers

1. The largest cc displacement for the 356B engine was:
 - A. 1582
 - B. 1966
 - C. 1720
 - D. 1600

2. At Thun, Switzerland, the Beutler brothers produced a prototype body for a four-seater model based on the 1962 version of the 356B.
 - A. True
 - B. False

3. The winning car in the 1500cc class of Ireland's 1955 Toursit Trophy race was a late 1955 550/1500RS, driven by:
 - A. Carroll Shelby & Masten Gregory
 - B. Wilhelm Hild & Huschke von Hanstein
 - C. Von Frankenberg & Wilhem Hild
 - D. Jean Behra & Hans Hermann

4. The first use of dual 40 PII 2-barrel carburetors for a 356 pushrod engine was in:
 - A. 356 Super 90
 - B. 356C
 - C. 356A 1600S
 - D. 550/01

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ANSWERS

1. Answer A; Excellence Was Expected, pp. 1
2. Answer D; Porsche 356 Registry; All 2015 issues, pp. 1
3. Answer B; Cars Are My Life, pp. 266
4. Answer B; Porsche spec book, p. 91. The reserve capacity is 6 liters for 1962-1965 models.
5. Answer B; Excellence - Nov. 1998, pp. 82
6. Answer A; 356B owner's manual, pp. 89
7. Answer B; FOGLight - All 2015 issues, pp. 2
8. Answer B, p. 4, The Porsche Family Tree
9. Answer C: A mobile assault cannon, Cars Are My Life, pp 111
10. Answer C: September 19, 1909, Cars Are My Life, pp 13
11. Answer D; 356B owner's manual, pp. 77
12. Answer D; Excellence Was Expected, Vol. 1, pp. 267 (753 Grand Prix engine)
13. Answer A; Porsche Spec Book, pp. 8
14. Answer B; Excellence Was Expected, Vol. 1, pp. 139
15. Answer A; Porsche spec book, pp. 60
16. Answer C; Excellence Was Expected, Vol. 1, pp. 74
17. Answer A; Excellence Was Expected, Vol. 1, pp. 67
18. Answer A; Porsche spec book, pp. 34
19. Answer B; Excellence Was Expected, Vol. 1, pp. 108-109
20. Answer D; Porsche Spec Book, pp. 8-10
21. Answer C; Excellence Was Expected, Vol. 1, pp.28
22. Answer A; Porsche Spec Book, pp. 16
23. Answer B; Excellence Was Expected, Vol. 1, pp. 111
24. Answer D; Excellence Was Expected, Vol. 1, pp. 220
25. Answer B; Porsche spec book, p. 16, the valve lift for the 1600C is 10.0 mm, all others are 10.8 mm

Tie Breakers

1. Answer B; Excellence Was Expected, Vol. 1, pp. 213. The Carrera 2 had a 2 liter engine
2. Answer A; Excellence Was Expected, Vol. 1, pp. 209.
3. Answer A; Excellence Was Expected, Vol. 1, pp. 128
4. Answer D; Excellence Was Expected, Vol. 1, pp. 107