

# Automotive Technology History and Metrics

Automotive Technology · Answer Key · 9 Questions

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**1. In which year did Rudolf Diesel receive the patent for the compression-ignition engine?**

- A) 1885
- B) 1892**
- C) 1901
- D) 1912

**2. The Ford Model T, credited as the first affordable mass-produced car, began production in which year?**

- A) 1903
- B) 1908**
- C) 1914
- D) 1920

**3. Volvo engineer Nils Bohlin invented the three-point safety belt in what year?**

- A) 1948
- B) 1955
- C) 1959**
- D) 1964

**4. What is the ideal stoichiometric air-fuel ratio by weight for a standard gasoline engine?**

- A) 12.5:1
- B) 14.7:1**
- C) 15.2:1
- D) 16.0:1

**5. In 1939, which car manufacturer introduced the 'Hydra-Matic', the first mass-produced fully automatic transmission?**

- A) Ford
- B) Chrysler
- C) General Motors**
- D) Studebaker

**6. The first mass-produced hybrid electric vehicle, the Toyota Prius, was launched in Japan in which year?**

A) 1992

**B) 1997**

C) 2000

D) 2003

**7. Which year was the On-Board Diagnostics II (OBD-II) standard mandated for all cars sold in the United States?**

A) 1990

B) 1994

**C) 1996**

D) 2000

**8. Karl Benz is widely credited with inventing the first modern automobile; in what year did he patent the Benz Patent-Motorwagen?**

A) 1879

**B) 1886**

C) 1890

D) 1895

**9. How many pins are found in a standard Type 1 SAE J1772 electric vehicle charging connector?**

A) 3

**B) 5**

C) 7

D) 9