Assignment Week 02

The due date for submitting this assignment has passed.

Submitted assignment

1) Tire pressure typically changes 1% for every
   - 05 deg F of temperature change.
   - 05 deg C of temperature change.
   - 10 deg F of temperature change
   - 10 deg C of temperature change.

   Accepted Answers:
   05 deg F of temperature change.

2) Red dot on the tire is
   - For balancing
   - the heaviest portion
   - the lightest portion
   - All are correct

   Accepted Answers:
   the lightest portion

3) Tire and tubes are made from
   - Buna S
   - Buna N
   - Butyl
   - Neoprene

   Accepted Answers:
   Buna S

4) Yellow dot or line on the tube identifies
   - Light side of tube
   - Heavy side of tube
   - Neutral side of tube
   - None of these
5) Carbon brakes are approximately

- 40 % heavier than conventional brakes
- 10 % lighter than conventional brakes
- 40 % lighter than conventional brakes
- 10 % heavier than conventional brakes

6) What is the purpose of torque links

- Limit compression stroke
- Hold the strut in place
- Keep the piston and wheel aligned
- None of these

7) Excessive wear in the center of the tread of an aircraft tire is an indication of

- Incorrect camber
- Over inflation
- Excessive toe-out
- None of these

8) The primary purpose for balancing aircraft wheel assemblies is to

- distribute the aircraft weight properly.
- reduce excessive wear and turbulence.
- prevent heavy spots and reduce vibration.
- None of these

9) The purpose of a sequence valve in a hydraulic retractable landing gear system is to

- provide a means of disconnecting the normal source of hydraulic power and connecting the emergency source of power.
- ensure operation of the landing gear and gear doors in the proper order.
- prevent heavy landing gear from falling too rapidly upon extension.
- None of these

Accepted Answers:

Heavy side of tube

40 % lighter than conventional brakes

Keep the piston and wheel aligned

Over inflation

prevent heavy spots and reduce vibration.

ensure operation of the landing gear and gear doors in the proper order.
In brake service work, the term ‘bleeding brakes’ is the process of

- withdrawing air only from the system.
- replacing small amounts of fluid in reservoir.
- withdrawing fluid from the system for the purpose of removing air that has entered the system.
- None of these

**Accepted Answers:**

_Withdrawing fluid from the system for the purpose of removing air that has entered the system._