

Motorcycle Technician



1. What should the Tip-Over Sensor show when upright?
 (A) Continuity (closed circuit). (B) Frequency increase.
 (C) Pulsing voltage (0-5 V). (D) Variable resistor (potentiometer).
2. What maintenance is recommended for slip rings?
 (A) They should be replaced with carbon brushes for better conductivity. (B) They should be cleaned and polished to ensure stable charging.
 (C) They should be lubricated and sealed to prevent wear. (D) They should be sanded to increase friction for higher output.
3. What does a very low resistance reading indicate in a field coil?
 (A) It indicates an open field coil. (B) It indicates a shorted field coil.
 (C) It suggests a normal field coil. (D) It implies a grounded field coil.
4. What action should be taken if there is a whining noise at certain RPMs?
 (A) Examine exhaust system components and muffler integrity. (B) Check fuel filter condition and carburetor settings.
 (C) Inspect ignition timing and distributor alignment. (D) Check chain tensioner operation and gear lash.
5. What is the primary function of the motorcycle primary drive system?
 (A) To control the fuel flow from the tank to the engine. (B) To regulate the cooling system temperature.
 (C) To manage the exhaust gases from the engine. (D) To transmit power from the crankshaft to the clutch and transmission input shaft.

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12. What is the role of the CKP sensor?
- (A) It monitors oil pressure and temperature for the ECM.
- (B) It sends exhaust gas composition information to the ECM.
- (C) It provides piston position and engine speed information to the ECM.
- (D) It provides fuel level and consumption data to the ECM.
13. In a multiplate wet clutch, anytime the Hub is rotating the _____ is rotating.
- (A) Output shaft
- (B) Main shaft
- (C) Drive pulley
- (D) Transmission gear
14. What symptom indicates a broken or missing tooth on the reluctor?
- (A) Engine won't start or no spark.
- (B) Engine starts but stalls immediately.
- (C) Engine idles but cannot accelerate.
- (D) Engine starts but runs rough.
15. What is a common cause of exhaust power valve malfunction?
- (A) Corrosion of valve components due to moisture exposure.
- (B) Stretching of valve springs causing misalignment.
- (C) Electrical malfunction in the valve control system.
- (D) Carbon or soot buildup causing the valve to stick or seize.
16. What should be done if one phase of the stator shows low voltage?
- (A) Inspect the spark plugs or replace the ignition coil.
- (B) Check the battery connections or replace the rectifier.
- (C) Inspect for a partial short or replace the stator.
- (D) Adjust the timing or replace the regulator.
17. A four-stroke engine has a total cylinder volume of 3,600 cm³ and a displacement volume of 3,000 cm³. What is the engine's compression ratio?
- (A) 5:6
- (B) 6:1
- (C) 6:5
- (D) 5:1