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I

ID

Abbreviation for Inside Diameter

Ignition Advance

Condition of increasing the timing of the spark plug firing at higher engine RPMs

Ignition System (Battery Ignition)

(1959-1978) Component chain: battery-ignition switch- ignition coil- condenser- breaker points (cam action activated) ¹⁾

Ignition System (Breakerless)

(1979) Upgrade to the breaker point system in which the mechanical points are replaced by an electronic ignition on the camshaft. Timer has a rotor with one small lobe and one large lobe and a sensor that sends signal to the control module on the back of the timer inner cover. Rotor is mounted on a mechanical flywheel centrifugal advance like a point cam would be in a breaker point system. The rotor's small lobe fires the front cylinder and the large lobe fires the rear cylinder. ²⁾

Ignition System (Electronic)

(1980 on) Components include a timing rotor/(timing cup), sensor plate or inductive pickup, ignition control module, ignition coil and spark plugs. Full electronic advance, inductive pickup generates pulses that are sent to the solid state Ignition Control Module (ICM). The ICM computes ignition timing advance/coil dwell. In 1983, a Vacuum Operated Electric Switch (VOES) was added to switch between 2 different spark advance curves. ³⁾

Ignition System (Magneto)

(1959-1968) Components include an induction coil, rotor, condenser, circuit breaker and a circuit breaker cam. ⁴⁾

- (1959-1964) Magneto is mounted in a fixed position producing advanced spark timing only
- (1965-1968) Magneto is mounted on a movable plate allowing for spark timing retard also

The magneto is controlled manually by turning the left handlebar grip.

Ignition Timing

The moment at which the spark plug fires as expressed in the number of crankshaft degrees before the piston reaches TDC

Indy

Independent: The bike shop that does not sell bikes but does service work and sells parts. You may see a number of different types and styles of bikes and people in and around the shop. In your yellow pages under motorcycle repair or parts. These guys are usually cheaper than the dealers (lower overhead) and will have brands other than Harley.⁵⁾ Also check their credentials before allowing them to do major work.

Infinity

An open circuit. Zero continuity in an electrical path

ILSAC

International Lubricants Standardization and Approval Committee, was formed in 1992 by AAMA (American Automobile Manufacturers Association, representatives of DaimlerChrysler Corporation, Ford Motor Company and General Motors Corporation) and JAMA (Japan Automobile Manufacturers Association) to define the need, parameters, licensing and administration of lubricant specifications. Together with the Tripartite system (API, SAE and ASTM) they formed EOLCS, the Engine Oil Licensing and Certification System. ILSAC oils often carry the API Service Symbol (Donut) including the Energy Conserving designation and/or API Certification Mark (Starburst). 129)

Iron 883®

Ironhead

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1)

1959-1985 Clymer Sportster Repair Manual pg 218

2)

1959-1985 Clymer Sportster Repair Manual pg 225

3)

1959-1985 Clymer Sportster Repair Manual pg 229

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1959-1985 Clymer Sportster Repair Manual pg 215

5)

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