

IGNITION TROUBLE-SHOOTING

750 H2 and 500 H1-D Ignition System

Last update: 2009-01-11

- **ENGINE WILL NOT START AT ALL**
- **HARD TO START OR NO POWER**
- **NO POWER OR MISSING AT HIGH SPEED**

First pull off the spark plug wires and use a good plug to test the spark for each cylinder

ENGINE WILL NOT START AT ALL

Strong spark all cylinders

Trouble outside ignition system

Check the fuel system and carburettor

Plug firing in wrong order due to incorrect wiring

Check spark plug wiring

Plugs bad

Replace spark plug

Weak spark all cylinders

AC generator bad

Check the generator

Ignition rectifier unit bad

Check the ignition rectifier unit

No spark any cylinder

AC generator bad

Check the generator

Ignition unit bad

Check ignition units

Ignition rectifier unit bad

Check the ignition rectifier unit

Wiring faulty

Check connection for all ignition system wiring

HARD TO START OR NO POWER

Strong spark all cylinders

Trouble outside ignition system

Check the fuel system or engine parts

Plug(s) dirty or bad

Clean or replace spark plug(s)

Timing incorrect

Check ignition timing

Weak spark all cylinders

AC generator bad

Check the generator

Ignition rectifier unit bad

Check the ignition rectifier unit

AC generator low speed winding bad

Weak spark one cylinder

High voltage insulation leak

Check wiring and spark plug cap

Ignition coil going bad

Check ignition coil wiring

Ignition unit bad

Check ignition unit

Ignition rectifier unit bad

Check the ignition rectifier unit

Pickup coil bad

Check the signal pickup coil

AC generator low speed winding bad

Repair or replace

NO POWER OR MISSING AT HIGH SPEED

Strong spark all cylinders

Trouble outside ignition system

Check the fuel system or engine parts

Plug(s) dirty or bad

Clean or replace spark plug(s)

Timing incorrect

Check ignition timing

AC generator high speed winding bad

Check the generator

Weak or no spark one cylinder

AC generator bad

Check the generator

Ignition unit bad

Check ignition unit

Ignition coil bad

Check ignition coil

Wiring bad

Check all wiring

Pickup coil bad

Check the signal pickup coil(s)