



PUCH ZA50

WITH BOSCH 6 WIRE MAGNETO

Fluids:

- Gear/Case Oil: **ATF type "F"** (9.50 oz/280cc)

Plug:

- Plug Condition
- NGK B6HS Gap: **.40 - .50mm** (14.5 ft lbs /174 in lbs)

Ignition:

- Point Condition
- Point Gap **0.40 - 0.50 mm**
- Timing (piston meas.) **1.30 - 1.70 mm BTDC**
- Timing (flywheel meas.) **16 - 18mm BTDC**
- Timing (Degrees) **17 - 20 deg BTDC**
- Ignition primary coil resistance **.75 ohms**
(Measured between blue and blue w/stripe wires)
- HT Coil resistance (between #1 & #15) **2.0 ohms**
- HT Coil resistance (center & #15) **5.4k ohms**
- HT Coil resistance (center & #1) **5.4k ohms**
- Gap between armature and flywheel **.40 - .60mm**

Magneto/Generator Armature Coil resistances in ohms:

- Grey Tail lamp coil. **6.7 ohms**
- Green Stop lamp coil **1 .16 ohms**
- Yellow Head lamp coil **.23 ohms**

Magneto/Generator Assy Wire Color Codes (6 Each):

- **Yellow-Head and Speedo Lamp Armature**
- **Grey-Tail Lamp Armature**
- **Green-Brake Lamp Armature**
- **Green w/Black-Brake Armature Ground**
- **Blue-Ignition Armature**
- **Blue w/Black-Ignition Armature Ground**

Engine Top End Type: High Torq Alum Sq Port Alum Magnum

Ring Gap: .15mm - .30mm

Head Torque: 7 ft lbs/84 in lbs

End float on crank .002-.006

New Gaskets: Head Base Clutch Cover

Engine Rebuild Parts:

- (2) 38 mm x 2 mm fg/side pin type
- (1) Center Case Gasket .008 or .012 thickness
- (1) Clutch Cover Gasket
- (1) L17 Bearing 17 x 40 x 10 (Crank)
- (1) E20 Bearing 20 x 47 x 12 (Crank)
- (1) 6002 Bearing 15 x 32 x 9 (Trans Cover)
- (1) 6005 Bearing 25 x 47 x 12
- (1) 6203 Bearing 17 x 40 x 12
- (1) HK1816 Bearing 18 x 24 x 16
- (1) HK1612 Bearing 16 x 22 x 12
- (1) 17 x 35 x 7 (or 8) seal
- (1) 20 x 35 x 7 (or 8) seal

Clutch

- Clutch pads

Bing Carb/Intake:

- Carb Size
- Float is parallel to base
- Jet air atomizer size
- Main jet size
- Throttle slide size
- Intake size Round Port Square Port
- New Gaskets: Intake Carb bowl Carb top

Notes:

Date:

Moped: Year Make Model Chassis VIN Engine VIN

Customer: Name Phone #