

MOTORCYCLE SERVICE NEWS

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JT1 ROTARY VALVE INSTALLATION (TIMING)

The JT1 rotary valve mounts to the crankshaft in a slightly different manner than previous Yamaha rotary valve models. This requires special valve installation instructions which are given below.

A collar fits over the crankshaft (notch in collar fits over pin in shaft), then the valve fits over the collar. To install the valve in proper relation to the crankshaft, the two indentations in the outer valve surface must line up with the pin in the crankshaft.

Rotary valve timing can also be checked by rotating the piston to top dead center (indicated with dial indicator) and checking that the valve closing edge just lines up with the left edge of the intake port (see drawing).

PIN LOCATION NOTE: The locating pin in the shaft is removable. Although the pin hole is drilled thru the shaft, permitting the pin to protrude from either end of the hole, follow factory installation recommendations. Position the pin to protrude out of the hole end 180° from the crank pin. However, no matter which end the pin extends from, the rotary valve can be correctly timed by lining up the valve closing edge with the intake port.

