

BREATHER VALVE / XL, XLCH, XLT

A new design breather valve, part No. 24633-77, is being used in late 1977 model XL/XLCH/XLT engines beginning approximately October 15, 1976. All 1000cc motorcycles VIN 3A/4A/2G-27940 H7 and above will have the new breather valve, which serves the same function as the gear driven breather valve used on 1976 and earlier engines to maintain a partial vacuum in the engine and prevent oil leakage.

The one-way valve is contained in a fitting which screws into the gearcase cover below the generator mounting boss. The existing breather outlet pipe screws into the bottom of the new fitting (See Illustration). The outlet pipe because of its lower position must be directed outside, instead of inside, the frame tube. The rubber hose at the pipe outlet must no longer be used.

Because the new valve improves the operation of the engine oiling system, and prevents oil leakage, we advise its use on all 1977 XL/XLCH engines.

Please order a sufficient quantity of part No. 24633-77 breather valves for all 1977 motorcycles which were shipped to you without them.

Because of the higher vacuum existing in the engines equipped with the new breather valve, a new higher pressure oil pump check valve, part No. 26435-76A, is being used in oil pumps of late 1977 engines VIN 3A/4A/2G-27940-H7 and above to provide higher oil pressure at the oil pressure indicator light switch. The new valve opens at 4 to 6 P.S.I. whereas the old valve opens at 2 to 4 P.S.I. Pumps having the new valve are identified with a green dot. Existing O-ring, part No. 26433-77, is used for both new and old valves.

If, after installing the new breather valve, the oil pressure light remains on at low r.p.m., we recommend that you first check to see that the oil pressure switch is operating at the recommended 2 to 4 P.S.I. You can check this by removing the switch and using tool, part No. 94750-68, and a circuit (continuity) tester to see if the switch operates at the correct pressure. If the switch operates within 2 to 4 P.S.I. and the oil pressure light remains on at engine idle speed, install a new higher pressure check valve, part No. 26435-76A, to replace existing check valve.

The parts you order will be charged to your account and you will receive full credit for these parts upon our receipt of a properly completed warranty claim form.