

196 APPENDIX

Engine Oil Inspection and Change

In order for the engine, transmission, and clutch to function properly, maintain the engine oil at the proper level, and change the oil in accordance with the periodic maintenance table. Motorcycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated wear and may result in engine or transmission seizure.

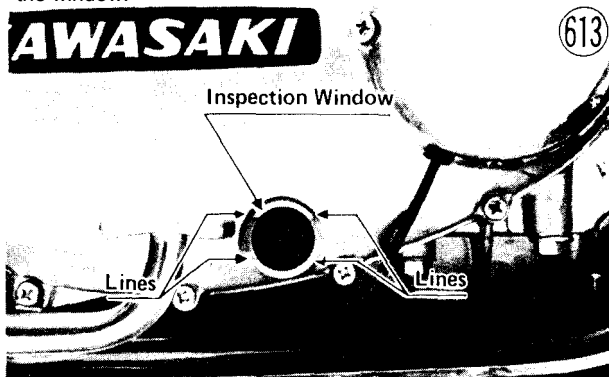
1) Oil level

- Situating the motorcycle so that it is perpendicular to the ground (on its center stand).
- If the oil has just been changed, start the engine and run it for several minutes at idling speed. This fills the oil filter with oil. Then wait several minutes until the oil settles.

CAUTION Run the engine at idling speed at least until the oil pressure light turns off.

Racing the engine before the oil reaches every part can cause the engine seizure.

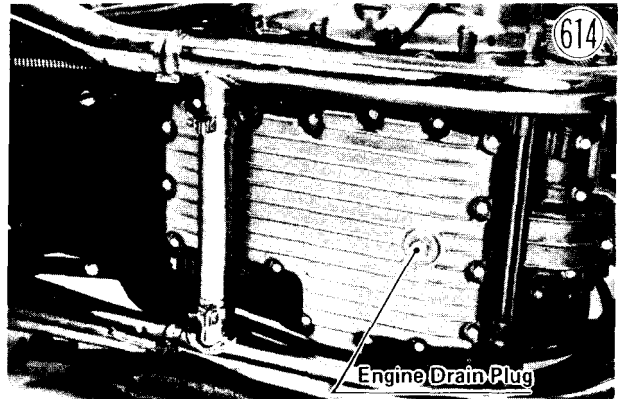
- If the motorcycle has just been used, wait several minutes for all the oil to drain down.
- Check the engine oil level through the inspection window in the lower right side of the engine. With the motorcycle held level or on the center stand, the oil level should come up between the lines next to the window.



- If the oil level is too high, remove the excess oil, using syringe or some other suitable device.
- If the amount of oil is insufficient, add the correct amount of oil through the oil filler opening. Fill, using the same type and make of oil that already is in the engine.

2) Oil and oil filter change

- Warm up the engine thoroughly, and then stop the engine.
- Set the motorcycle up on its center stand, place an oil pan beneath the engine, and remove the engine drain plug.



- If the oil filter is to be changed, remove the filter and replace the oil filter with a new one. Check that it is properly assembled (Pg. 31-32).

NOTE: Check for O ring damage. If necessary, replace it with a new one.

- Install the oil filter, tightening its bolt with 1.8~2.2 kg-m (13~16 ft-lbs) of torque; and filter drain bolt with 2.3-2.7 kg-m (16.5-19.5 ft-lbs) of torque.

- After the oil has completely drained out, install the drain plug and gasket, using a new gasket if the old one is deteriorated or damaged. Proper torque for the drain plug is 3-3.5 kg-m (22-25 ft-lbs).

- Fill the engine up to the upper level with **SE** class SAE 10W40, 10W50 or 20W50 motor oil. It will take about 4.0 liters when the filter is changed. When the filter is not changed, a refill takes about 3.6 ltrs

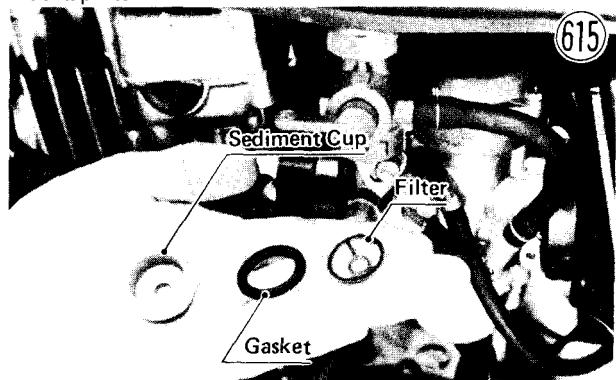
NOTE: After the engine has been run and then stopped for a few minutes, the oil level should come to between the upper and lower marks.

Fuel System Cleaning

Water or dirt anywhere in the fuel system can cause starting difficulty, poor running, and lack of power.

Clean out the fuel system as follows:

- Turn the fuel tap to the off position. Unscrew the sediment cup at the bottom of the tap, and clean out the water and dirt from it. Clean any dirt out of the fuel tap filter.



- If there was water inside the sediment cup, there may also be some in the fuel tank. Holding a container under the fuel tap, turn the tap to the reserve position