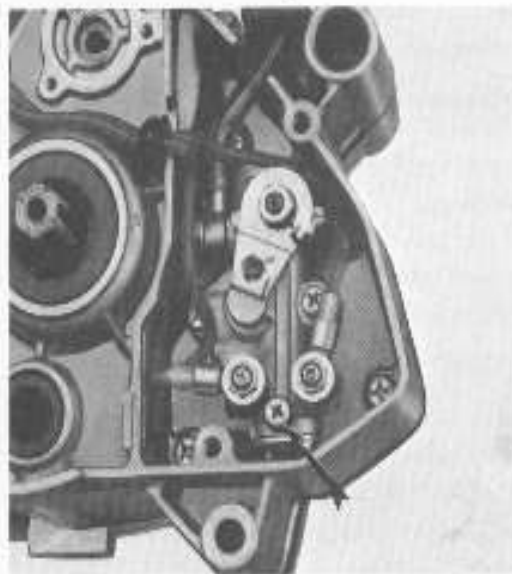


① Oil reservoir plate

10. Engine oil pipe

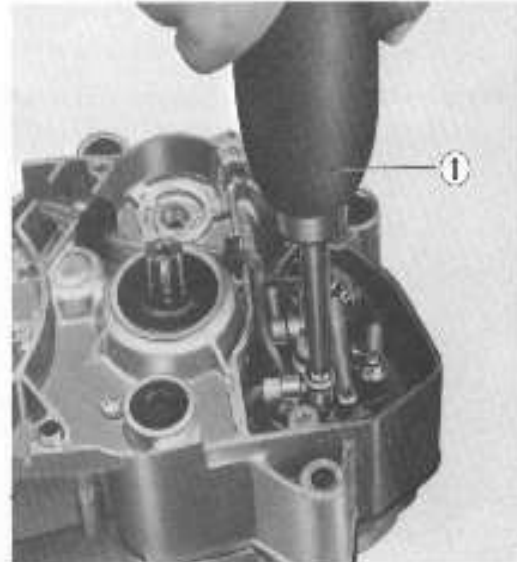
When the engine assembly is completed, the oil passages have to be filled with oil. If the engine is started and kept on running in this condition, the engine may suffer lack of lubrication causing bearing failure or piston seizure. Therefore, it is necessary to fill the pipe with engine oil and bleed out all air.

- 1) Slacken the bolt or screw shown in the figure to expel air in the oil pipe from the oil tank.
- 2) When the air bubbles have disappeared, screw in the bolt or screw securely.



3) Loosen the screws located on the engine oil outlet union bolts.

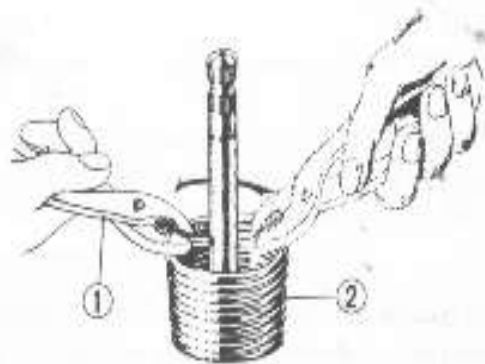
4) Supply the specified engine oil to the outlets with a oil filler as shown in the figure.



① Oil filler

11. Kick starter shaft return spring

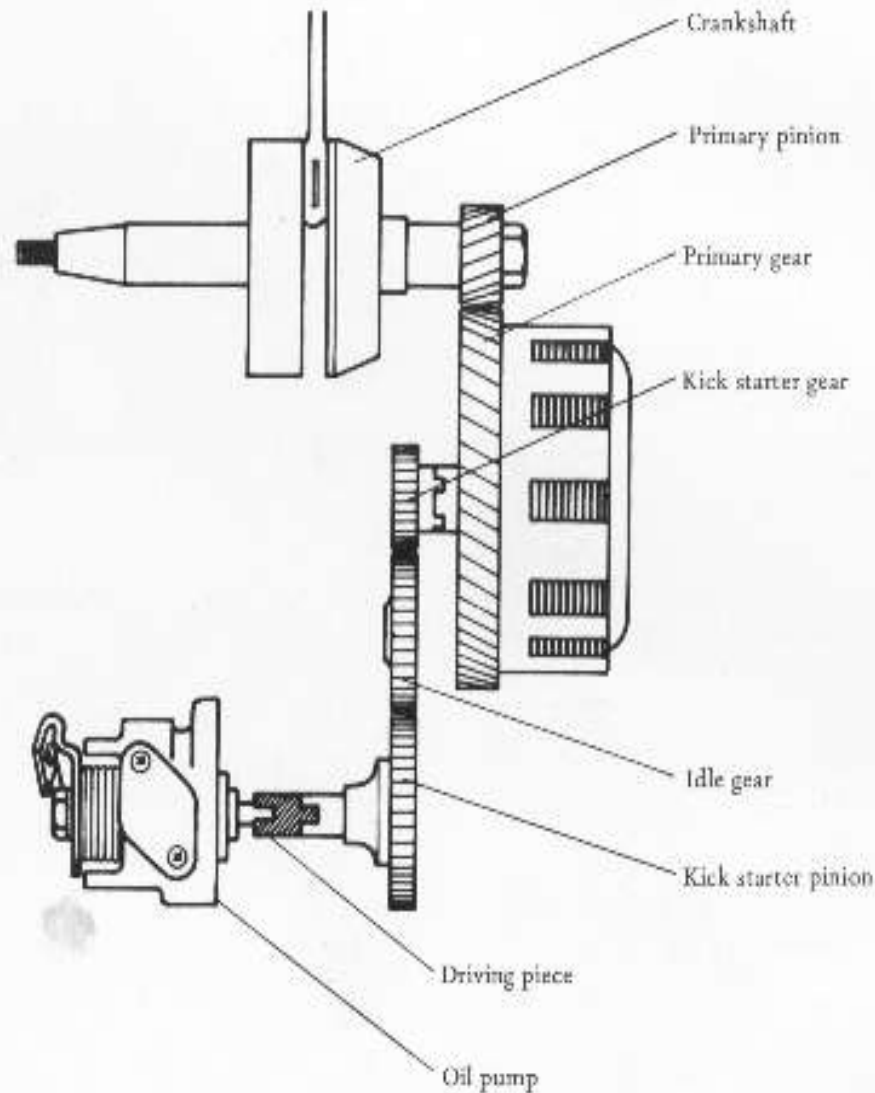
- 1) Turn the kick starter shaft clockwise all the way.
- 2) Insert one end of the spring into the hole on the right crankcase and insert the other end into the hole on the starter shaft with the spring twisted half a turn, using a pliers.



① Pliers. ② Kick starter return spring

Engine Lubrication System

The engine lubrication is the Suzuki CCI system as in all other Suzuki models. The oil pump has 2 outlets connecting with respective oil feeding pipes and lubricate all the moving parts of the engine except the crankshaft right end bearing which is lubricated by transmission oil. The oil pump driving force is transmitted from the crankshaft to the pump through the primary pinion, primary gear, kick starter gear, idle gear and kick starter pinion as illustrated below.



The plunger and the differential plunger are always pressed to the right side by the spring and their movements to the right are restricted by the cam or the stationary base fitted on the right side of the pump body. The plunger is worm geared in its center part which engages the driving worm. When the driving worm turns, the plunger also turns together with the differential plunger and moves left and right according to the cam shape, which is machined on the right end of the plunger.