## 6. CAM CHAIN

A loose cam chain will cause the valve timing to change, resulting in poor performance. It will also cause excessive engine noise.

1. Adjustment must be made when the four valves are closed completely and the tappets are free. This position occurs at 90° A.T.D.C. on the compression stroke of the left side cylinder. Rotate the generator roter counterclockwise until index mark on the stator is 90° A.T.D.C. (after 90° "LT" mark). If the valves are still lifted, rotate the rotor 360° and repeat realignment above.
2. Loosen the tensioner lock nut and the tensioner bolt. When these are loosened, the cam chain tensioner will automatically position itself to provide the correct cam chain tension.
3. Retighten the tensioner bolt and lock nut.

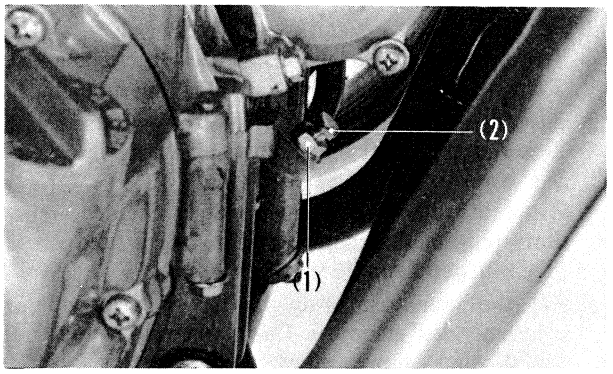


**Fig. 3–20** (1) Lock nut
(2) Tensioner bolt

## 7. ENGINE OIL

**Checking oil level and refilling**

1. Remove the oil filler cap and check the oil level using the oil level gauge with the motorcycle in the up-right position.
2. The oil level should be between the upper and lower level marks. Do not screw the level gauge in.
3. If necessary, refill the crankcase with the recommended oil through the oil filler hole.
4. Again check the oil level.

* Excessive oil may cause abnormal noise and inoperative clutch.

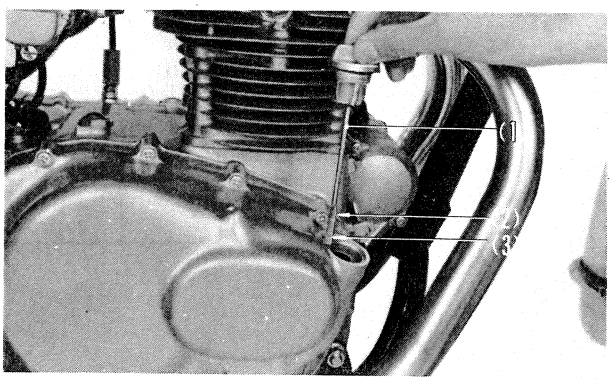


**Fig. 3–21** (1) Oil level gauge
(2) Upper level mark
(3) Lower level mark

Oil Recommendation

Use only high detergent, premium quality engine oil.
The regular use of special oil additives is unnecessary and will only increase operating expenses.

**NOTE:**
**Non-detergent and low quality oils are specifically not recommended.**

Viscosity

Viscosity selection should be based on the average atmospheric temperature in riding area. Change to the proper viscosity oil whenever the changes in average atmospheric temperature require it.

**Recommended oil viscosity:**

General, all temperatures
**SAE 10W-30** or **SAE 10W-40**

**Alternate:**

| | |
|---|---|
| Above 59°F (15°C) | **SAE 30** |
| 32° (0°) to 59°F (15°C) | **SAE 20** or **20W** |
| Below 32°F (0°C) | **SAE 10W** |