

Fig. 5.22 Removing drain bolt  
① Drain plug

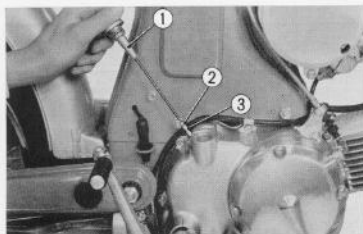


Fig. 5.23 Oil level gauge  
① Oil level gauge  
② Upper level mark  
③ Lower level mark

SAE GROUPS	OUTSIDE TEMPERATURE	SAE GROUPS
# 30		# 10W-30
# 20or		
# 20W		
# 10W		

Fig. 5.24 Specified oil grade

## B. Lubricating

The purpose of lubrication is to prevent direct surface to surface contact of the moving parts by providing a film of oil between the surfaces and thereby, reducing friction and preventing wear. It also serves to cool the parts from the heat produced by friction.

Further, the lubricant penetrates between the piston and cylinder to form an oil film which act as a seal to prevent loss of the cylinder pressure.

### 1. Parts not requiring periodic oil change or lubrication

There are some parts which only require lubrication whenever the parts are disassembled for repair or replacement. There are:

- Steering stem steel balls and cone race
- Throttle grip
- Main stand

### 2. Engine oil change

Change oil at 1,500 km (1,000 mile) driving.

#### 1. Oil change

- a. Remove the oil cap and drain the engine completely of oil by unscrewing the drain plug ① at the bottom of the engine, (Fig. 5.22)

**NOTE:** The oil should be drained while the engine is still warm.

- b. The proper oil level is indicated by the oil between the level markers on the gauge when checked without screwing the cap down. (Fig. 5.23)

#### Oil capacity

After overhauling the engine, fill crankcase with 0.9 lit (1.9 US pint, 1.58 Imp pint) of oil, however, during oil change, refill according to the level gauge.

#### Oil Brand and Grade

The grade of oil for the season is shown on the R. crankcase cover. Use the oil corresponding to MS, DG or DM in the A. P. I. service classification. (Fig. 5.24)

Below 0°C (32°F) ..... SAE 10W  
0~15°C (32~59°F) ..... SAE 20~20W  
above 15°C (59°F) ..... SAE 30

However, SAE group 10W-30 is an all weather oil and may be used over the normal range of outside temperature.