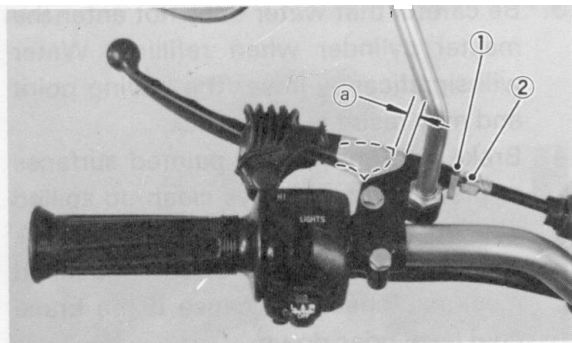


Clutch adjustment

This model has a clutch cable length adjuster and a clutch mechanism adjuster. The cable length adjuster is used to take up slack from cable stretch and to provide sufficient free play for proper clutch operation under various operating conditions. The clutch mechanism adjuster is used to provide the correct amount of clutch “throw” for proper disengagement. Normally, once the mechanism is properly adjusted, the only adjustment required is maintenance of free play at the clutch handlebar lever.

1. Free play adjustment

Loosen the handlebar lever adjuster lock nut, Next turn the length adjuster either in or out until proper lever free play is achieved.



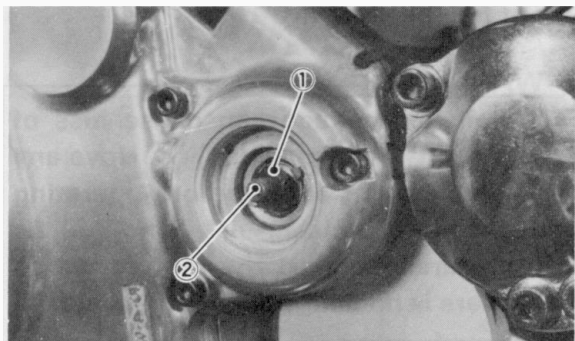
1. Locknut **2. Adjuster**
a. 2- 3 mm (0.08 ~ 0.12 in)

2. Mechanism adjustment

The second adjustment is located behind the adjusting cover. Removing the cover will expose the adjuster and lock nut.

Loosen the lock nut, rotate the adjuster in until it lightly seats against the clutch push rod that works with the adjuster to operate the clutch. Back the adjuster out 1/4 turn and tighten the lock nut.

This adjustment must be checked because heat and clutch wear will affect this free play, possibly enough to cause incomplete clutch operation. Recheck clutch cable adjustment at the handlebar after adjusting.



1. Lock nut 2. Adjuster

Cable inspection and lubrication

1. Damage to the outer housing of the various cables may cause corrosion. Often free movement will be obstruct-

ed. An unsafe condition may result, so replace such cables as soon as possible.

2. If the inner cables do not operate smoothly, lubricate or replace them.

Recommended lubricant:
Yamaha chain and cable lube or
10W/30 motor oil

Throttle cable and grip lubrication

The throttle twist grip assembly should be greased when the cable is lubricated, since the grip must be removed to get at the end of the throttle cable. Two screws clamp the throttle housing to the handlebar. Once these two are removed, the end of the cable can be held high to pour in several drops of lubricant. With the throttle grip disassembled, coat the metal surface of the grip assembly with a suitable all-purpose grease to cut down friction.

Rear arm pivot bearings

The swing arm must pivot freely on its bearings but not have any excess play. Have your Yamaha dealer or other qualified mechanic check rear arm pivot bearing operation according to the General Maintenance Schedule.

Brake and change pedal/Brake and clutch lever

Lubricate the pivoting parts of each lever and pedal.

Recommended lubricant:
Yamaha chain and cable lube or
10W/30 motor oil

Center and side stand pivots

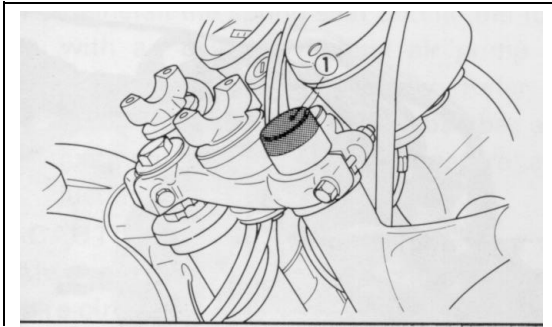
Lubricate the center and side stands at their pivot points.

Recommended lubricants:
Yamaha chain and cable lube or
10W/30 motor oil

Front fork oil change

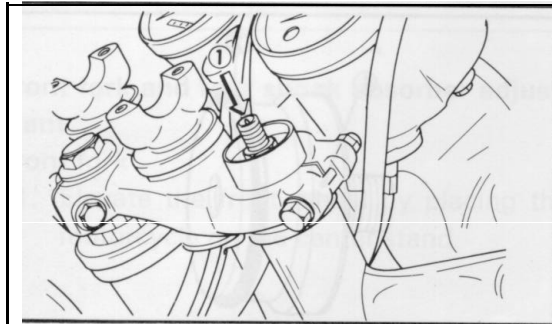
--WARNING:

1. Fork oil leakage can cause loss of stability and safe handling. Have any problem corrected before operating the motorcycle.
 2. Securely support the motorcycle so there is no danger of it falling over.
-
1. Raise the motorcycle or remove the front wheel so that there is no weight on the front end of the motorcycle.
Remove the handlebar.
 2. Remove the rubber cap from the top of each fork.



1. Rubbercap

3. **Keep the** valve open while pressing it for several seconds so that the air can be let out of the inner tube.

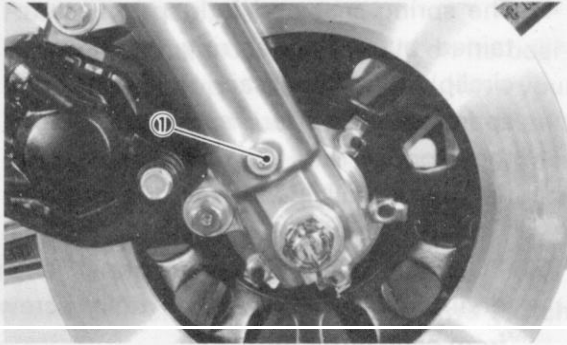


1. Push

4. The spring seat and fork spring are retained by a stopper ring (spring wire circlip). It is necessary to depress the spring seat and fork spring to remove the stopper ring. Remove the stopper ring by carefully prying out one end with a small screwdriver.
5. Place an open container under each drain hole. Remove the drain screw from each outer tube.

-WARNING: _____

Do not allow oil to contact the disc brake components. If any oil should contact the brake components it must be removed before the motorcycle is operated. Oil will cause diminished braking capacity and will damage the rubber components of the brake assembly.



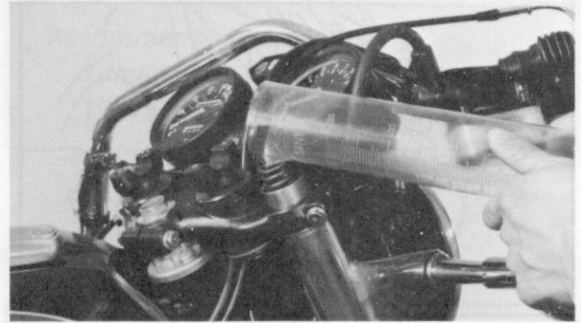
1. Drain screw

6. When most of the oil has drained, slowly raise and lower the outer tubes to pump out the remaining oil.
7. Inspect the drain screw gasket. Replace if damaged. Reinstall the drain screw.
8. Pour the specified amount of oil into the fork inner tube.

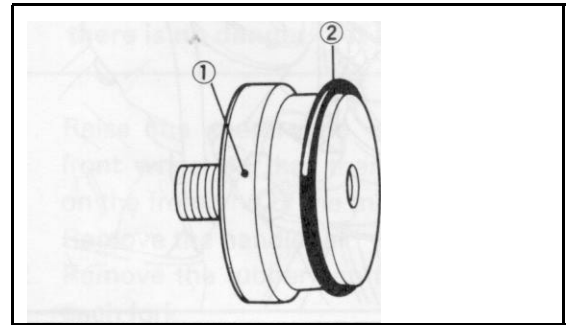
Front fork oil (each fork):

195 cc (6.60 oz)

Yamaha Fork Oil 10 wt or equivalent



9. After filling, slowly pump the forks up and down to distribute the oil.
10. Inspect the "O-ring" on the spring seat. Replace "O-ring" if damaged.



1. Spring seat 2. O-ring

11. Reinstall the spring seat and fill the fork with air using a manual air pump or other pressurized air supply. Refer to "Front fork and rear shock absorber adjustment" for proper air pressure adjusting.

CAUTION:

Always use a new stopper ring (spring wire circlip).

Maximum air pressure:

2.5 kg/cm² (36 psi)

Do not exceed this amount

Front fork and rear shock absorber adjustment

Front fork:

1. Elevate the front wheel by placing the motorcycle on the center stand.

NOTE: _____
When checking and adjusting the air pressure, there should be no weight on the front end of the motorcycle.

2. Remove the rubber cap from the top of each fork.
3. Using the air gauge, check and adjust the air pressure.

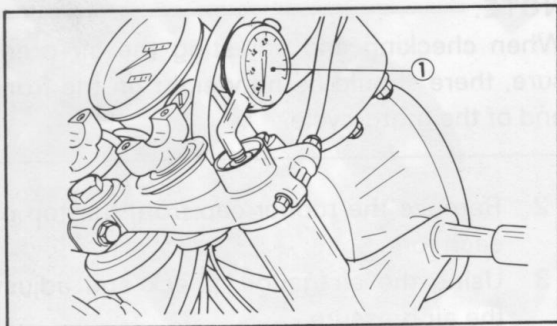
If the air pressure is increased, the suspension becomes stiffer and if decreased, it becomes softer.

To increase:

Use a manual air pump or other pressurized air supply.

To decrease:

Release the air by pushing the valve pin.



1. Air gauge

Standard air pressure:

0.4 kg/cm² (5.7 psi)

Maximum air pressure:

2.5 kg/cm² (36 psi)

Minimum air pressure: Zero

- * Never exceed the maximum pressure, or oil seal damage may occur.
- * The difference between both the left and right tubes should be 0.1 kg/cm² (1.4 psi) or less.

4. Install the rubber caps securely.

Rear shock absorber:

1, Spring preload

If the spring seat is raised, the spring becomes stiffer and if lowered, it becomes softer.

Standard position — A

A. position — Softest

E. position — Stiffest

