

**WARNING**

After bleeding the hydraulic clutch system, check the clutch operation.

### BLEEDING THE HYDRAULIC CLUTCH SYSTEM (FJR13AE)

**WARNING**

Bleed the hydraulic clutch system whenever:

- the system was disassembled,
- a clutch hose was loosened or removed,
- the clutch fluid level is very low,
- clutch operation is faulty.

**NOTE:**

- Before bleeding the hydraulic clutch system, shift the transmission into neutral to engage the clutch.
- Be careful not to spill any clutch fluid or allow the clutch fluid reservoir to overflow.
- When bleeding the hydraulic clutch system, make sure that there is always enough clutch fluid in the reservoir before pumping out the fluid using the vacuum/pressure gauge set. Ignoring this precaution could allow air to enter the hydraulic clutch system, considerably lengthening the bleeding procedure.
- If bleeding is difficult, it may be necessary to let the clutch fluid settle for a few hours. Repeat the bleeding procedure when the tiny bubbles in the hose have disappeared.

## 1. Remove:

- Air filter case  
Refer to "GENERAL CHASSIS" on page 4-1.
- Rear wheel  
Refer to "REAR WHEEL" on page 4-24.
- Swingarm  
Refer to "SWINGARM" on page 4-91.

## 2. Bleed:

- Hydraulic clutch system

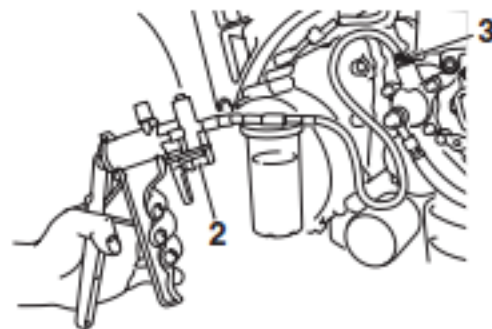
- a. Fasten the clutch fluid reservoir "1" to the frame with a suitable strap, etc., as shown in the illustration so that it is not tilted.



- b. Turn the main switch to "ON" and check that the transmission is in neutral.  
 c. Add the recommended clutch fluid to the proper level.  
 d. Install the clutch fluid reservoir diaphragm.  
 e. Connect the vacuum/pressure pump gauge set "2" tightly to the bleed screw "3".



**Vacuum/pressure pump gauge set**  
**90890-06756**  
**Mityvac brake bleeding tool**  
**YS-42423**



- f. Loosen the bleed screw.  
 g. Pump out the clutch fluid using the vacuum/pressure pump gauge set.  
 h. Tighten the bleed screw.  
 i. Disengage the clutch by turning the manual clutch operation bolt "4" in direction "a" until it stops.  
 j. Loosen the bleed screw and then retighten it.  
 k. Engage the clutch by turning the manual clutch operation bolt in direction "b" until it stops.

**NOTE:**

The following illustration shows the manual clutch operation bolt when viewed from the rear of the vehicle with the swingarm removed.