

Figure 1-2. Primary Chaincase Covers

3. See Figure 1-3. If freeplay adjustment is required, loosen, but do not remove, the center bolt nut and move the shoe assembly up or down to obtain the specified free play. Tighten center bolt nut to 21-29 ft-lbs (28-39 Nm). Replace the primary chain if it is worn to the point where it cannot be properly adjusted.

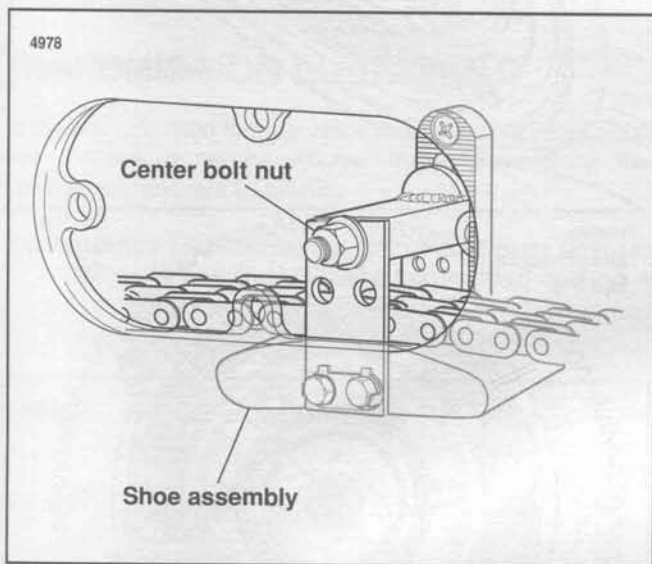


Figure 1-3. Primary Chain Adjustment

4. Install inspection cover with **new** gasket. Tighten primary chain inspection cover screws to values shown in Figure 1-2.

## PRIMARY CHAINCASE LUBRICANT

At the 500 mile (800 km) service interval, and at every 5000 mile (8000 km) service interval thereafter, change the primary chaincase lubricant as follows:

1. See Figure 1-4. Remove drain plug at bottom of primary chaincase. Drain lubricant into suitable container.

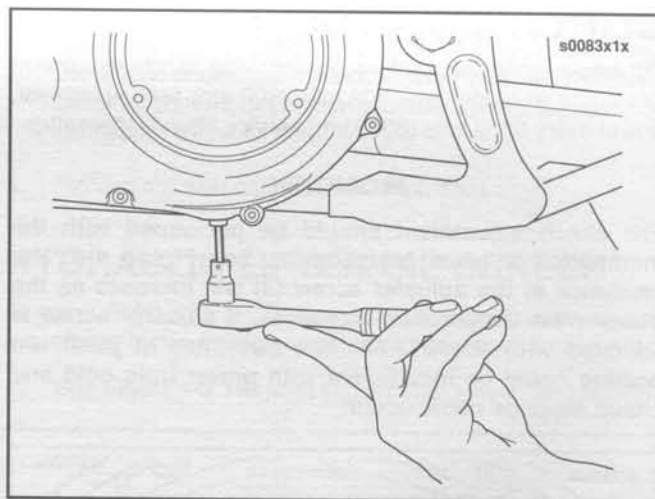


Figure 1-4. Removing Chaincase Drain Plug

2. Clean drain plug and install drain plug in chaincase. If a large amount of debris had accumulated on the chaincase plug, inspect the condition of chaincase components.
3. See Figure 1-2. Remove three socket screws with rubber sealing washers and clutch inspection cover. Discard sealing washers.
4. Pour the proper amount and type of primary chaincase lubricant in through the clutch inspection cover opening. With the vehicle standing upright, the level of the lubricant must be at the bottom edge of the diaphragm spring or 2-3/4 inches (69.8 mm) from the centerline of the clutch adjuster screw. Use only Harley-Davidson **PRIMARY CHAINCASE LUBRICANT**, Part No. 99887-84 (quart) or Part No. 99886-84 (gallon). The lubricant level is visually checked through clutch cover opening.  
**1997 Models:** See Figure 1-5. The primary chaincase lubricant should be level with bottom edge of the clutch diaphragm spring, approximately 32 oz. (946.4 ml).  
**1998 Models:** See Figure 1-6. The primary chaincase lubricant should be level with the bottom edge of the clutch diaphragm spring, approximately 26 oz. (768.9 ml).

### NOTE

*If new clutch discs are being installed, or if the lubricant has been wiped from serviceable discs, submerge the discs in **PRIMARY CHAINCASE LUBRICANT** for a minimum of five minutes before installation.*

### CAUTION

**Do not over-fill the primary chaincase with lubricant. Over-filling may cause rough clutch engagement, incomplete disengagement, clutch drag and/or difficulty in finding neutral at engine idle.**

5. Install clutch inspection cover in primary chaincase cover with **new** O-ring. Install three socket head screws using **new** rubber sealing washers. Tighten screws to 50-70 in-lbs (5.6-7.9 Nm).