

GENERAL

All models have an automatic chain tensioner. For primary chain service procedures, see [5.4 DRIVE COMPONENTS](#).

CHANGING PRIMARY CHAINCASE LUBRICANT

FASTENER	TORQUE VALUE	
Primary chaincase drain plug	14-21 ft-lbs	19.0-28.5 Nm
Clutch inspection cover screw	84-108 in-lbs	9.5-12.2 Nm

1. Run motorcycle until engine is warmed up to normal operating temperature.

NOTICE

When draining or adding lubricant, do not allow dirt, debris or other contaminants to enter the engine. (00198a)

WARNING

Be sure that no lubricants or fluids get on tires, wheels or brakes when changing fluid. Traction can be adversely affected, which could result in loss of control of the motorcycle and death or serious injury. (00047d)

2. See [Figure 1-10](#). Remove magnetic drain plug at bottom of primary chaincase. Drain lubricant into suitable container.

NOTE

Dispose of lubricant in accordance with local regulations.

3. Clean drain plug. If plug has accumulated a lot of debris, inspect the condition of chaincase components.
4. Install new O-ring on drain plug.
5. Install drain plug back into primary chaincase cover. Tighten plug to 14-21 ft-lbs (19.0-28.5 Nm).

WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)

6. Disconnect negative battery cable.
7. See [Figure 1-11](#). Remove five TORX screws with captive washers (3) to detach clutch inspection cover (2) from primary chaincase cover.
8. Remove the seal (1). Wipe oil from groove in chaincase cover and mounting surface.

NOTICE

Do not overfill the primary chaincase with lubricant. Overfilling can cause rough clutch engagement, incomplete disengagement, clutch drag and/or difficulty in finding neutral at engine idle. (00198b)

9. Place motorcycle in an upright position and fill primary chaincase.
10. Refer to [Table 1-9](#). Pour the specified amount of GENUINE Harley-Davidson FORMULA+ TRANSMISSION AND PRIMARY CHAINCASE LUBRICANT in through the clutch inspection cover opening.

Table 1-9. Primary Chaincase Lubricant Refill Capacity

ITEM	CAPACITY
Primary chaincase lubricant	32 oz (0.95 L) wet
	40 oz (1.18 L) dry

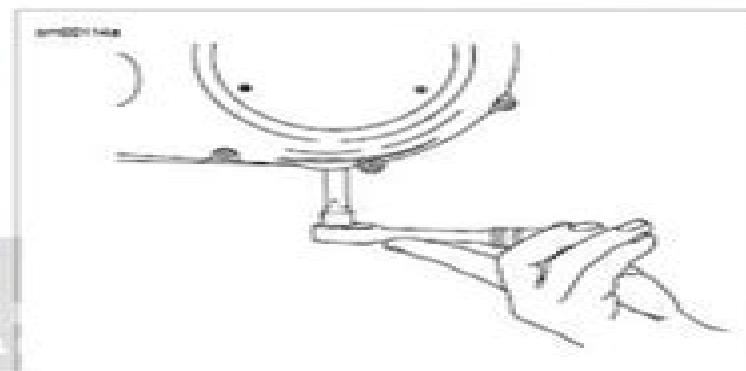


Figure 1-10. Removal/Installation of Chaincase Drain Plug

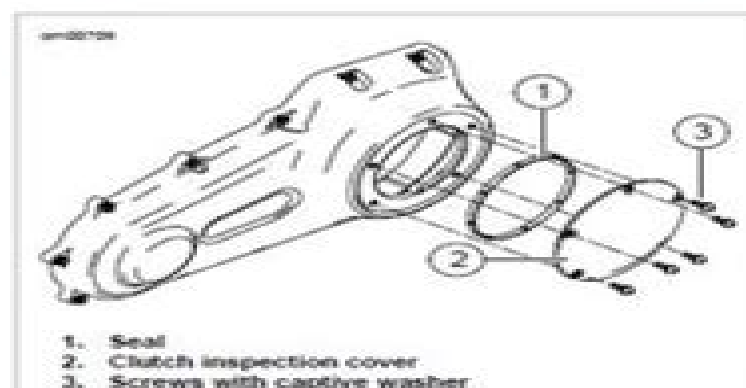


Figure 1-11. Clutch Cover

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