A primary chain and wet clutch are installed on 2009 model Indian® motorcycles. The chain and wet clutch are designed to run in an oil bath to reduce wear and decrease noise. The primary chain should be checked and the oil changed after the first 500 miles and every 5000 miles thereafter.

The primary chain is located inside the primary housing on the left side of the motorcycle *(See figure)*. If the chain is loose worn or damaged in any way, it will cause the motorcycle to run improperly and the chain and sprockets to wear excessively.

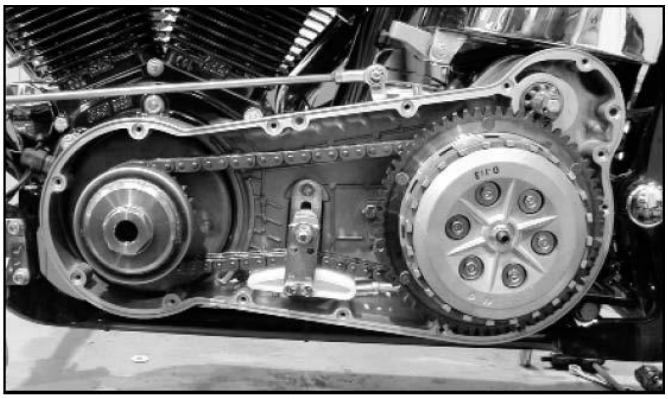

Figure 33: *Primary chain and housing.*

Primary Chain tension adjustment

1 Remove the inspection cover.

2 Place a small ruler inside the case and against the primary chain. Grasp the top run of the primary chain and deflect upward.

3 Measure the deflected chain slack. The correct chain slack is 3/8”-1/2″. Adjust the chain if not with the specified range.

4 To adjust the chain, loosen the adjuster nut. Move the nylon slipper up or down to achieve the correct tension.

5 Tighten the adjusted nut and torque to 22-28 foot pounds.

6 Clean the threads of the inspection cover screws. Place blue thread locking compound on the threads. Tighten the screws to 95-115 inch pounds.