

## Periodic Maintenance Procedures

### Final Drive

#### Drive Chain Lubrication Condition Inspection

Lubrication is necessary after riding through rain or on wet roads, or any time that the chain appears dry.

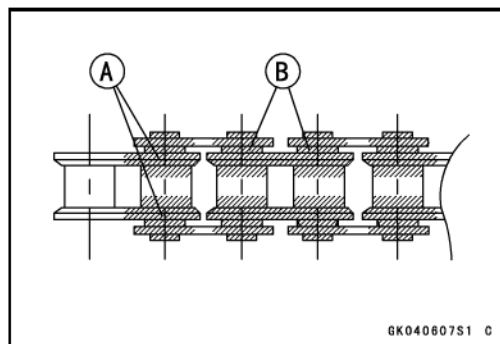
Use a lubricant for sealed chains to prevent deterioration of chain seals. If the chain is especially dirty, clean it using a cleaner for sealed chains following the instructions supplied by the chain cleaner manufacturer.

#### NOTICE

The O-rings between the side plates seal in the lubricant between the pin and the bushing. To avoid damaging the O-rings and resultant loss of lubricant, observe the following rules.

Use only chain cleaner for cleaning of the O-ring of the drive chain. Any other cleaning solution such as gasoline will cause deterioration and swelling of the O-ring. Immediately blow the chain dry with compressed air after cleaning. Complete cleaning and drying the chain within 10 minutes.

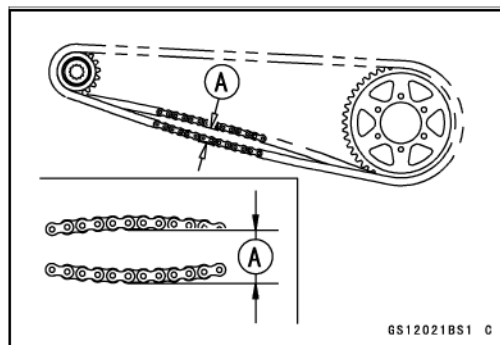
- Apply chain oil to the sides of the rollers so that oil will penetrate to the rollers and bushings. Apply the oil to the O-rings so that the O-rings will be coated with oil.
- Wipe off any excess oil.
  - Oil Applied Areas [A]
  - O-rings [B]
- Wipe off lubricant that gets on the tire surface.



#### Drive Chain Slack Inspection

#### NOTE

- Check the slack with the motorcycle setting on its side stand.
- Clean the chain if it is dirty, and lubricate it if it appears dry.
- Check the wheel alignment (see Wheel Alignment Inspection).
- Rotate the rear wheel to find the position where the chain is tightest.
- Measure the vertical movement (chain slack) [A] midway between the sprockets.
- ★ If the chain slack exceeds the standard, adjust it.



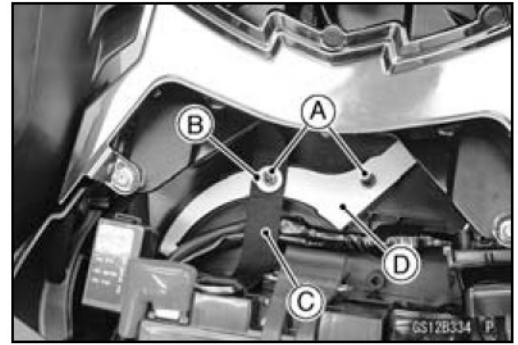
#### Chain Slack

Standard: 25 ~ 35 mm (1.0 ~ 1.4 in.)

## Periodic Maintenance Procedures

### Drive Chain Slack Adjustment

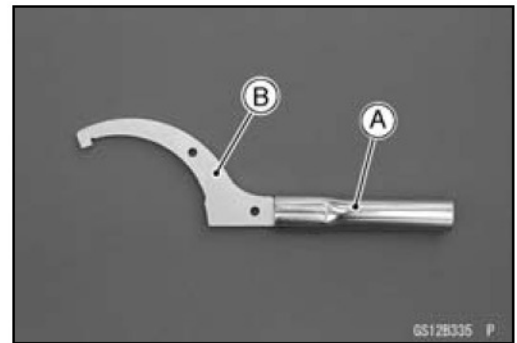
- Remove:
  - Seat (see Seat Removal in the Frame chapter)
  - Tool Kit
  - Bolts [A]
  - Washer [B]
  - Band [C]
  - Hook Wrench [D]



- Attach the adapter [A] to the hook wrench [B].

#### NOTE

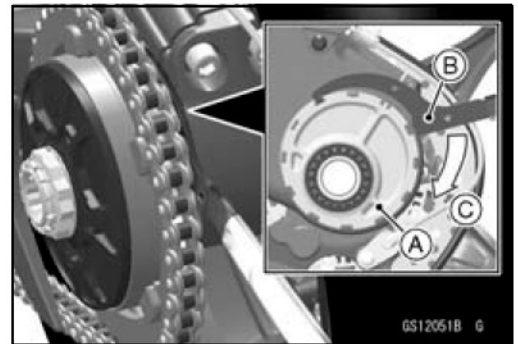
○ The adapter of the hook wrench is in the tool kit bag.



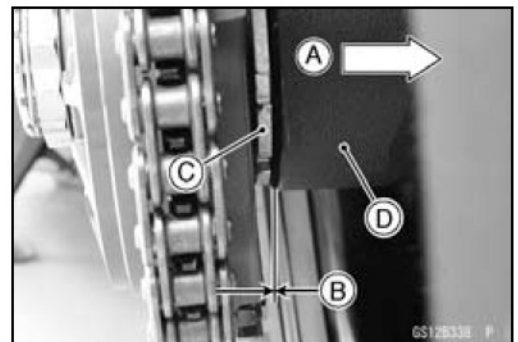
- Loosen the bearing housing clamp bolts [A] gradually and evenly.



- Turn the chain adjuster [A] until the drive chain has correct amount of slack with the hook wrench [B].
- ★ If the chain is too loose, turn the chain adjuster counter-clockwise.
- ★ If the chain is too tight, turn the chain adjuster clockwise [C].



- Push the rear wheel to the right side [A] of the vehicle.
- Confirm that there is not a clearance [B] between the chain adjuster [C] and the swingarm [D].



## 2-44 PERIODIC MAINTENANCE

### Periodic Maintenance Procedures

- Tighten the bearing housing clamp bolts [A] [B] following specified tightening sequence.

#### Tightening Sequence:

[A → B → A → B → A → B → A]

**Torque - Bearing Housing Clamp Bolts: 33 N·m (3.4 kgf·m, 24 ft·lb)**

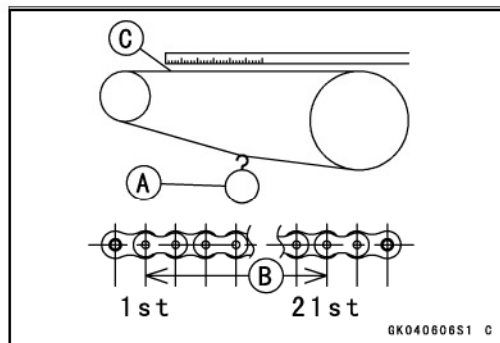


- Install the hook wrench [A], band and washer, and tighten its bolt.
- Install the band [B] as shown.



#### Drive Chain Wear Inspection

- Remove the mud guard (see Mud Guard Removal in the Frame chapter).
- Rotate the rear wheel to inspect the drive chain for damaged rollers, and loose pins and links.
- ★ If there is any irregularity, replace the drive chain.
- ★ Lubricate the drive chain if it appears dry.
- Stretch the chain taut by hanging a 10 kg (22 lb) weight [A] on the chain.
- Measure the length of 20 links [B] on the straight part [C] of the chain from the pin center of the 1st pin to the pin center of the 21st pin. Since the chain may wear unevenly, take measurements at several places.
- ★ If any measurements exceed the service limit, replace the chain. Also, replace the front and rear sprockets when the drive chain is replaced.



#### Drive Chain 20-link Length

**Standard:** 317.5 ~ 318.2 mm (12.50 ~ 12.53 in.)

**Service Limit:** 319 mm (12.6 in.)

### **⚠ WARNING**

A chain that breaks or jumps off the sprockets could snag on the engine sprocket or lock the rear wheel, severely damaging the motorcycle and causing it to go out of control. Inspect the chain for damage and proper adjustment before each ride. If chain wear exceeds the service limit, replace it with the standard chain.

#### Standard Chain

**Make:** ENUMA

**Type:** EK525RMXZ/3D

**Link:** 118 links