

Figure 4-42. Measuring twist in rear fork

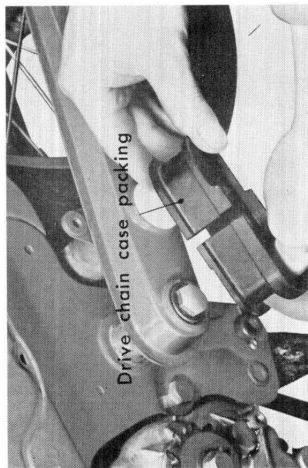


Figure 4-43. Installing chain case packing

Check the pivot rubber bushing for damage or aging and also for looseness in the fork. Replace defective bushings.

- (3) Check the rear fork for twist and deformation. If twist is over 1 mm (0.040 in) or the part is defective, replace with a new part. (Fig. 4-42)

c. Reassembly

- (1) Reassemble the rear fork in the reverse order of the disassembly.

(Note)

- a. Care should be taken when installing the chain case gasket. (Fig. 4-43)
- b. Check the pivot for looseness.
- c. Check the axle nut for tightness.
- d. Check L and R chain tension adjuster, they should both be set to the same alignment marks. Improper adjustment will affect the steerability.

4.8 DRIVE CHAIN

Engine output is transmitted from the engine through the clutch and the transmission where torque is converted to the chain drive. The chain used is a RK420-B type high strength chain to withstand high speed performance and high output. It is made end-less by using only one joint clip and is housed within the chain cases to prevent dust from entering, preventing the rapid wear of the sprocket.

a. Disassembly

- (1) Remove the change pedal.
- (2) Remove the left crankcase cover.
- (3) Remove the chain case lower half.
- (4) Rotate the rear wheel so that the drive chain joint is positioned at the specified location shown in Fig. 4-44 and then disconnect the drive chain by removing the joint clip. (Fig. 4-44)

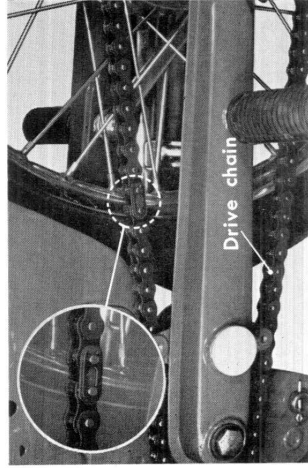


Figure 4-44. Disconnecting chain

b. Inspection

- (1) Inspect the drive chain for wear and damages.

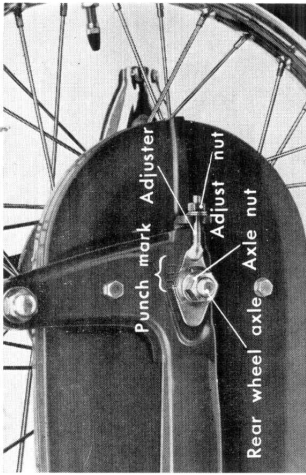


Figure 4-45. Chain adjuster mark

c. Reassembly

- (1) Reinstall and connect the drive chain.

(Note)

To facilitate the clip installation, perform the operation at the final driven sprocket.

- (2) Reinstall the lower chain case half.
- (3) Reinstall the left crankcase cover.
- (4) Reinstall the change pedal.

(Caution)

Whenever the drive chain has been removed or adjusted, the location of the alignment punch mark on the adjuster in respect to the marking on the rear fork must be the same on both sides.

The chain slackness should be adjusted to 1~2 cm. (0.040~0.080 in). (Fig. 4-45)

Drive chain specification

- (1) Chain construction : 98 links, including the joint
- (2) Breaking strength : 1,600 kg (3,520 lb) Min.
- (3) Tolerance on length : 97 links = $1231.9 + 0.25 \begin{pmatrix} 40.314 + 0.0098 \text{ in} \\ -0 \end{pmatrix}$
- (4) Sprocket C50, C50M : 39 teeth
C65, C65M : 41 teeth
S50 : 42 teeth
S65 : 43 teeth

4.9 AIR CLEANER

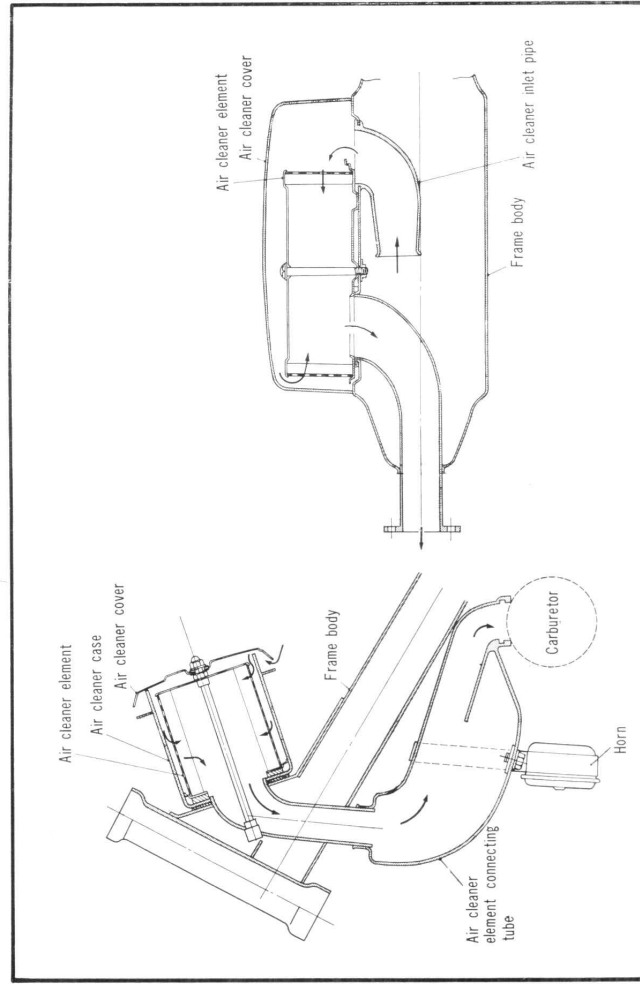


Figure 4-46. Air flow through air clear