

12-3 REAR FORK

a. Description

The rear fork has a rectangular cross section made from pressed steel plate to provide greater rigidity at the wheel mounting which is a clamp design.

One end of the rear fork is fitted to a section on the frame and the other end is fitted to the frame through the rear cushion. When the rear wheel moves in the vertical direction, the section which is fitted to the frame becomes the pivot point and the rear wheel moves in an arc.

The close proximity of the pivot point to the drive sprocket poses negligible effect on the chain tension.

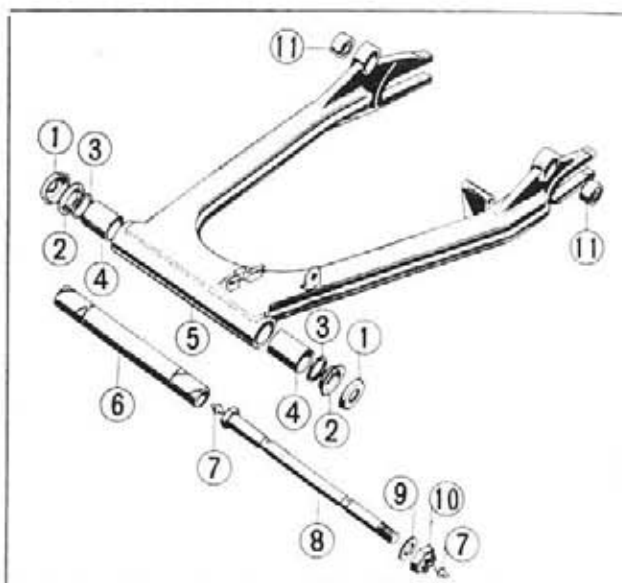


Fig. 12-7

- | | |
|---------------------------|----------------------------------|
| ① Dust seal cap | ⑦ Grease nipple |
| ② Pivot thrust bush | ⑧ Rear fork pivot bolt |
| ③ Rear fork felt ring | ⑨ Rear fork pivot bolt washer |
| ④ Rear fork pivot bush | ⑩ 14mm self lock nut |
| ⑤ Rear fork | ⑪ Rear cushion under rubber bush |
| ⑥ Rear fork center collar | |

b. Disassembly

1. The exhaust mufflers must first be removed before the rear fork can be removed.
2. Remove the cotter pin from the rear wheel axle, loosen the axle nut and remove the drive chain.
3. Unscrew the rear brake adjuster nut, the rear brake torque bolt and remove the axle to separate the rear wheel. (refer to page 137)
4. Unscrew the rear fork pivot nut and bolt, and then separate the rear fork from the frame. The rear fork side washer and the pivot collar can be removed. (Fig. 12-8)

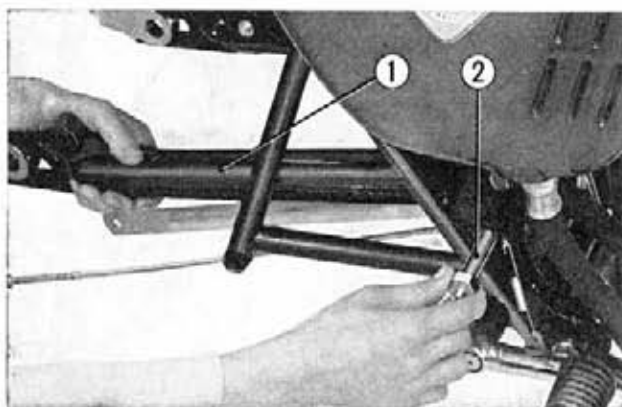


Fig. 12-8 ① Rear fork
② Rear fork pivot bolt

c. Inspection

1. Visually check the rear fork for bend and distortion, and if found to be excessive, it should be replaced with a new part.
2. Scratched and deformed part should be either repaired or replaced.
3. Measure the bores of the rear fork pivot bushing with an inner dial gauge and the outside diameter of the center collar with micrometer, and if they are not within the serviceable limit shown below, they should be replaced. (Fig. 12-9)

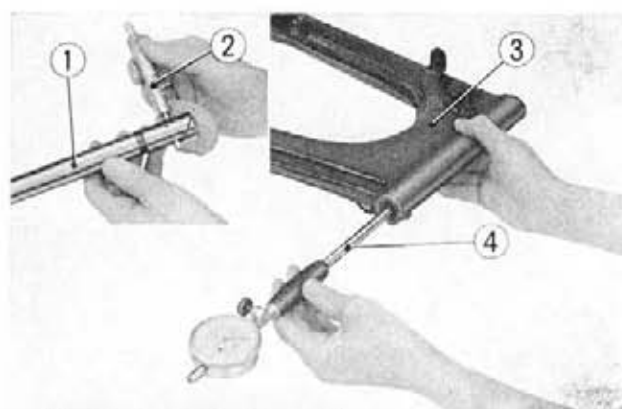


Fig. 12-9 ① Center collar
② Micrometer
③ Rear fork
④ Inner dial gauge