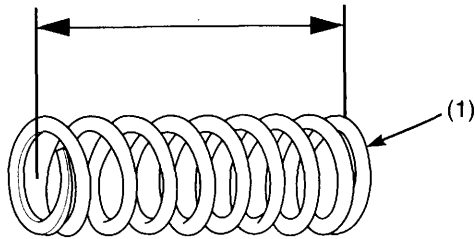


Clutch System

Clutch Spring Inspection



(1) clutch spring

Measure the free length of each spring.
Service Limit: 37.7 mm (1.48 in)

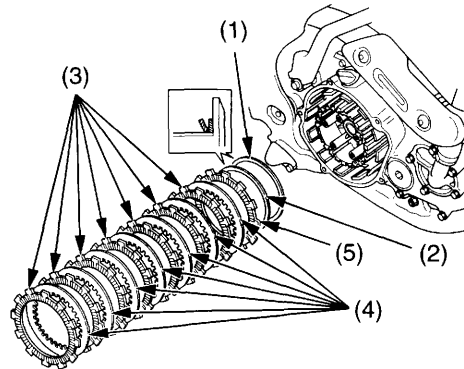
If one or more springs are beyond the service limit, replace the springs as a set.

Replace the clutch discs, clutch plates and clutch springs as a set if the clutch plates have been burnt/heat discolour.

Clutch Disc/Plate Installation

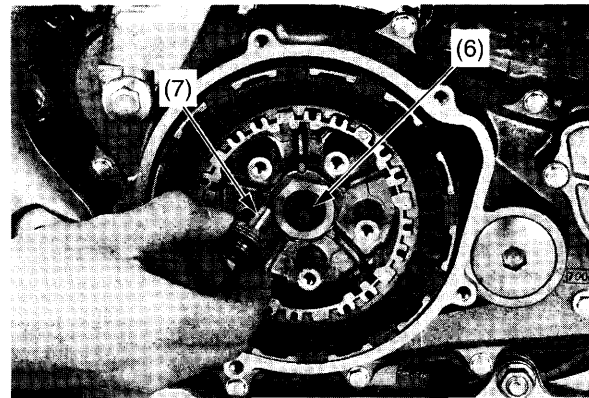
1. Install the spring seat (1) and judder spring (2) onto the clutch center as shown. Coat the clutch discs (3) and plates (4) with clean engine oil.

2. Install the clutch disc A (larger I.D. disc) (5) onto the clutch outer. Stack the seven clutch plates and seven clutch discs alternately.



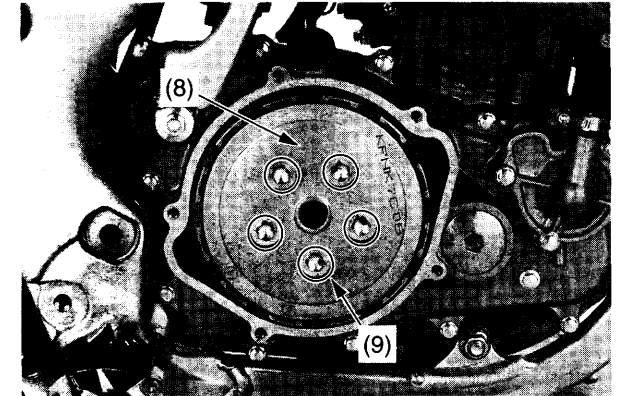
(1) spring seat
(2) judder spring
(3) clutch discs
(4) clutch plates
(5) clutch disc A

3. Apply grease to the clutch lifter rod (6) ends.
4. Insert the clutch lifter rod into the mainshaft.
5. Apply engine oil to the needle bearing of the clutch lifter.
6. Install the clutch lifter (7) onto the clutch lifter rod.



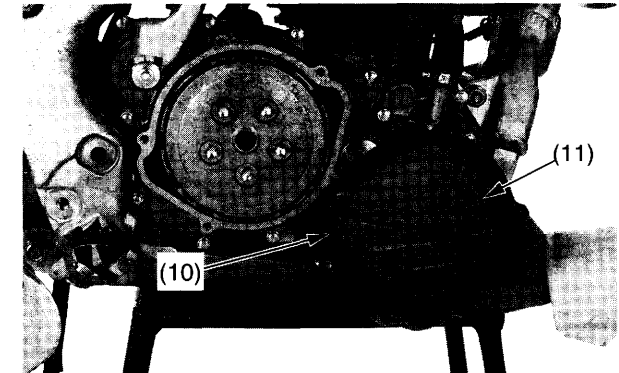
(6) clutch lifter rod
(7) clutch lifter

7. Install the clutch pressure plate (8).
8. Install the five clutch springs and clutch spring bolts (9).
9. Tighten the bolts in a crisscross pattern in two or three steps, to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)



(8) clutch pressure plate
(9) clutch spring bolts/clutch springs

10. Apply oil to a new O-ring (10) and install in the groove of the clutch cover (11).
11. Install the cover by tightening the five cover bolts to the specified torque:
10 N·m (1.0 kgf·m, 7 lbf·ft)



(10) O-ring
(11) clutch cover