

# Clutch System

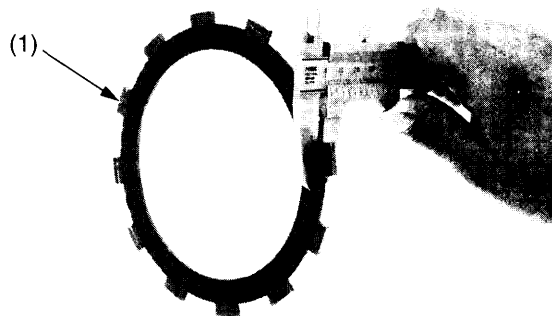
## Clutch Disc/Plate Inspection

Replace the clutch discs (1) if they show signs of scoring or discoloration.

Measure the thickness of each clutch disc.

Service Limit: 0.112 in (2.85 mm)

Replace the clutch discs and clutch plates as a set.



(1) clutch disc

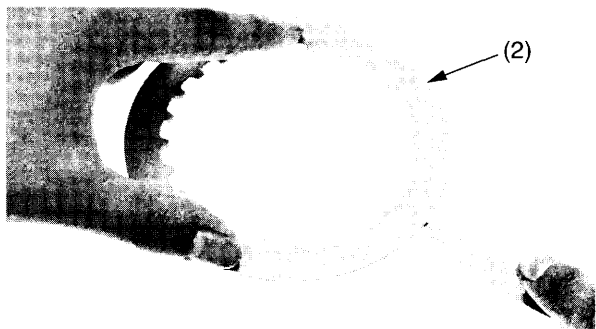
Check the clutch plate (2) for excessive warpage or discoloration.

Check the plate warpage on a surface plate using a feeler gauge.

Measure the thickness of the clutch plates.

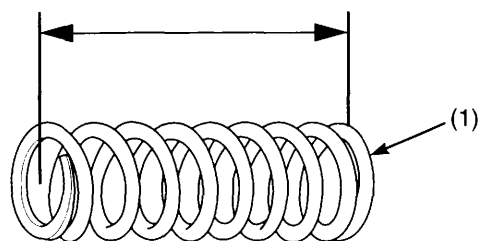
Service Limit: 0.004 in (0.10 mm)

Replace the clutch discs and plates as a set.



(2) clutch plate

## Clutch Spring Inspection



(1) clutch spring

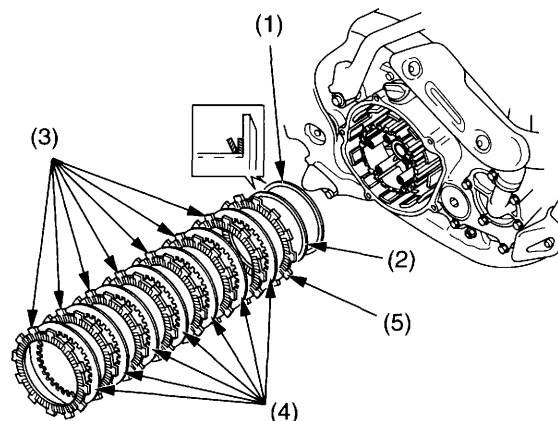
Measure the free length of each spring.

Service Limit: 1.50 in (38.0 mm)

Replace the clutch springs as a set if any one of them is beyond the service limit or if the clutch plates have been burn/heat discolored.

## Clutch Disc/Plate Installation

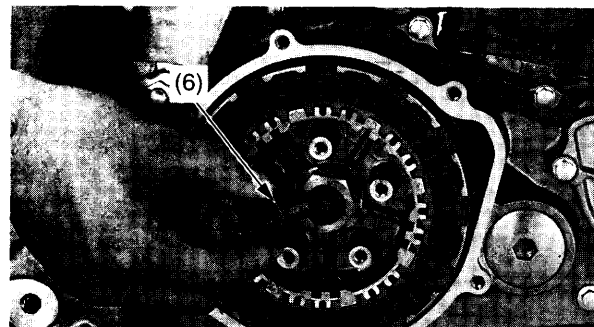
1. Install the spring seat (1) and judder spring (2) onto the clutch center as shown. Coat the clutch discs (3) and plates (4) with clean engine oil.
2. Install the clutch disc A (larger I.D. disc) (5) onto the clutch outer. Stack the seven clutch plates and seven clutch discs alternately.



(1) spring seat  
(2) judder spring  
(3) clutch discs

(4) clutch plates  
(5) clutch disc A

3. Insert the clutch lifter rod into the mainshaft.
4. Install the clutch lifter assembly (6) onto the rod.



(6) clutch lifter assembly