

the 17 mm hex tool bit into the end of the clutch shaft.

4.

While holding the clutch pulley firmly by hand, turn the clutch shaft clockwise. The shaft should rotate smooth and freely. If the shaft rotation is rough or seized, install a new generator clutch. REFER to: GENERATOR PULLEY .

5.

While holding the clutch pulley firmly by hand, turn the clutch shaft counterclockwise. There should be some resistance (a spring feel). If the shaft rotates freely, install a new generator clutch. REFER to: GENERATOR PULLEY .

DIAGNOSIS AND TESTING > CHARGING SYSTEM - 5.2L 32V TI-VCT > INSPECTION AND VERIFICATION

1.

Verify the customer concern by operating the charging system.

2.

Before diagnosing or repairing the charging system inspect the following items:

- Check the battery for loose, damaged or corroded connections.
- Check the generator for loose, damaged or corroded connections.
- Check engine and battery grounds for loose, damaged or corroded connections.
- Check high current BJB for loose or corroded connections.
- Verify fuses or fusible links.
- Inspect wiring, terminals and connectors.

3.

Check the battery condition and state of charge. REFER to: BATTERY, MOUNTING AND CABLES 414-01.

4.

Check for abnormal ignition-off current drain(s). REFER to: Battery Drain Check .

5.

If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding.

6.

Using the diagnostic scan tool, retrieve all Diagnostic Trouble Codes (DTCs). Refer to the appropriate DTC Chart .