

CHARGING SYSTEM

PRECAUTIONS

1. Check that the battery cables are connected to the correct terminals.
2. Disconnect the battery cables when the battery is given a quick charge.
3. Do not perform tests with a high voltage insulation resistance tester.
4. Never disconnect the battery while the engine is running.

ON-VEHICLE INSPECTION

1. INSPECT BATTERY SPECIFIC GRAVITY AND ELECTROLYTE LEVEL

- (a) Check the specific gravity of each cell.

Standard specific gravity

When fully charged at 20°C (68°F):

22R-E 1.25 - 1.27

3VZ-E 55D 23R 1.25 - 1.27

80D 26R 1.27 - 1.29

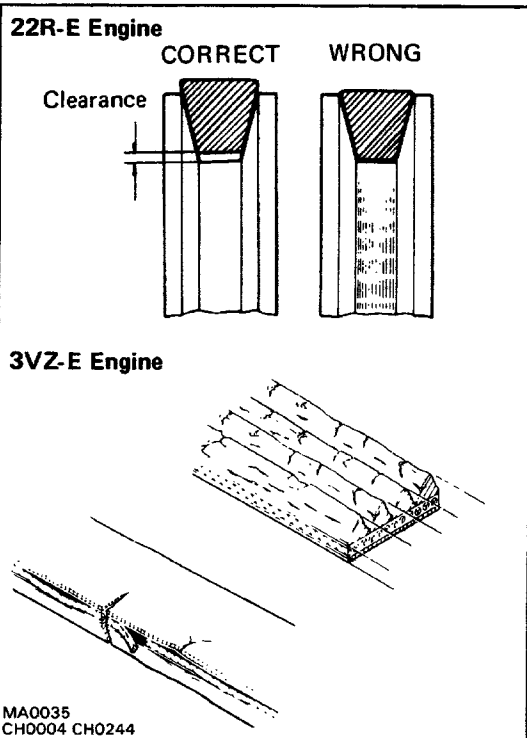
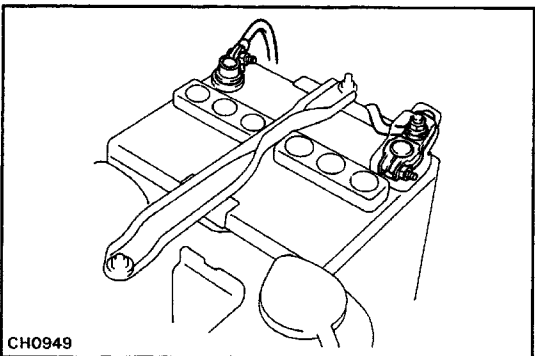
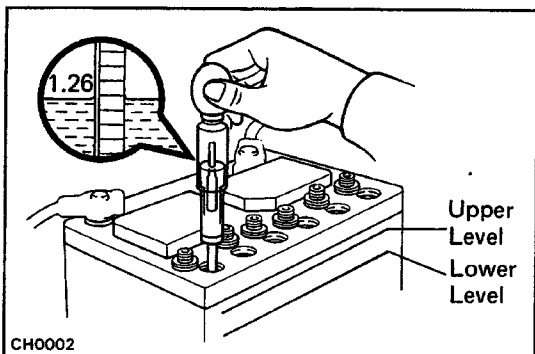
If not within specifications, charge the battery.

- (b) Check the electrolyte quantity of each cell.

If insufficient, refill with distilled (or purified) water.

2. CHECK BATTERY TERMINALS AND FUSIBLE LINKS

- (a) Check that the battery terminals are not loose or corroded.
- (b) Check the fusible links for continuity.



3. INSPECT DRIVE BELT

- (a) Visually check the belt for excessive wear, frayed cords etc.

HINT:

22R-E: Check that the belt does not touch the bottom of the pulley groove.

If any defect has been found, replace the drive belt.

3VZ-E: Cracks on the ribbed side of the belt are considered acceptable.

If the belt has chunks missing from the ribs, it should be replaced.