

# Battery

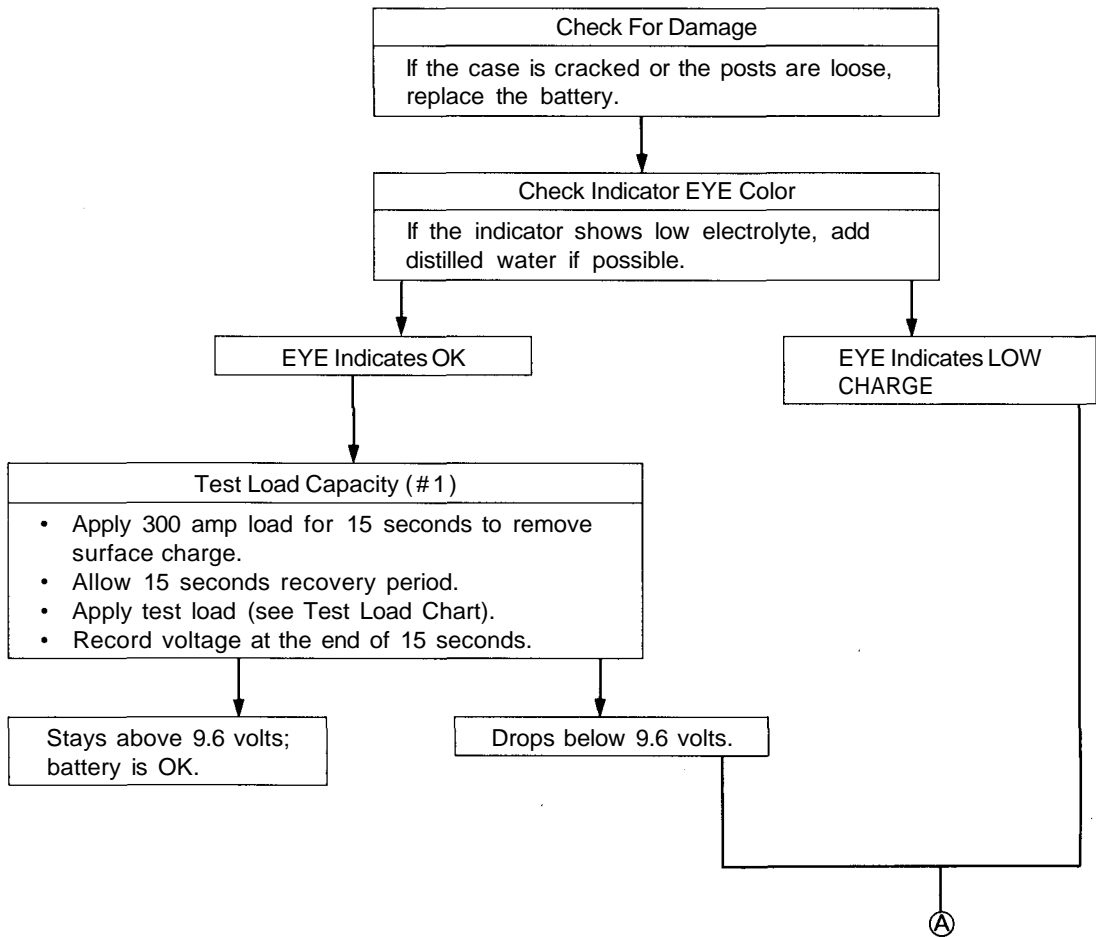
## Test

**⚠ WARNING**

- **Battery fluid (electrolyte) contains sulfuric acid. It may cause severe burns if it gets on your skin or in your eyes. Wear protective clothing and a face shield.**
  - If electrolyte gets on your skin or clothes, rinse it off with water immediately.
  - If electrolyte gets in your eyes, flush it out by splashing water in your eyes for at least 15 minutes; call a physician immediately.
- **A battery gives off hydrogen gas. If ignited, the hydrogen will explode and could crack the battery case and splatter acid on you. Keep sparks, flames, and cigarettes away from the battery.**
- **Overcharging will raise the temperature of the electrolyte. This may force electrolyte to spray out of the battery vents. Follow the charger manufacturer's instructions and charge the battery at a proper rate.**

Use either a JCI or Bear ARBST tester, and follow the manufacturer's procedures. If you don't have one of these computerized testers, follow this conventional test procedure:

To get accurate results, the temperature of the electrolyte must be between 70°F (21 °C) and 100°F (38°C).





Ⓐ

**Charge on High Setting (40 amps)**

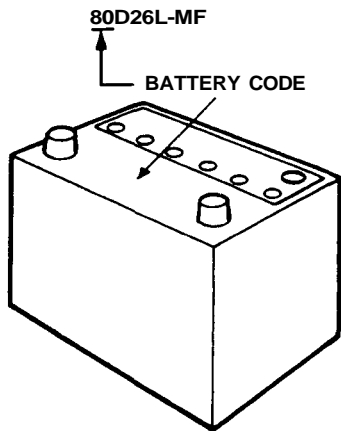
Charge until EYE shows charge is OK; plus an additional 30 minutes to assure full charge.  
NOTE: If the battery charge is very low, it may be necessary to bypass the charger's polarity protection circuitry.  
If the EYE does not show charge is OK within three hours, the battery is no-good; replace it. Write down how long the battery was charged.

**Test Load Capacity (#2)**

- Apply 300 amp load for 15 seconds to remove surface charge.
- Allow 15 seconds recovery period.
- Apply test load (see Test Load Chart).
- Record voltage at the end of 15 seconds.

Stays above 9.6 volts; battery is OK.

Drops below 9.6 volts; battery is no-good.



TEST LOAD CHART		
Use the test load of 1/2 the cold cranking amps (CCA) printed on the label on the top of the battery. If neither is indicated, use the information below:		
BATTERY CODE	COLD CRANKING AMPS (CCA)	LOAD (amps)
80	550	270
70	440	220