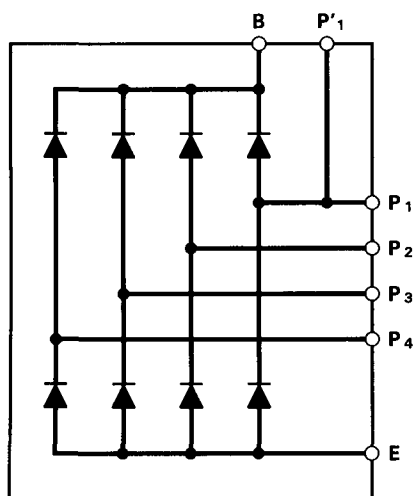
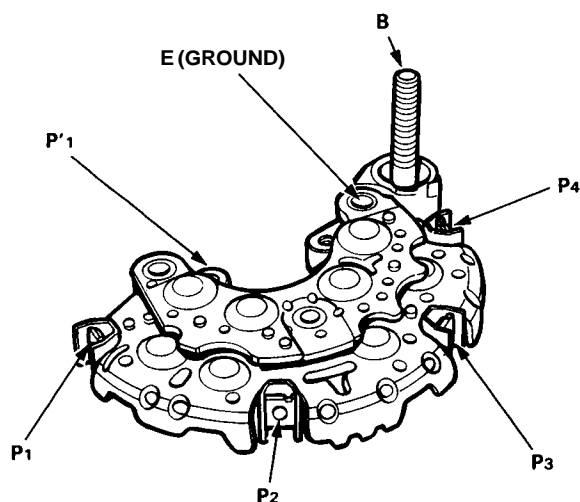


# Charging System

## Rectifier Test

### NOTE:

- The diodes are designed to allow current to pass in one direction while blocking it in the opposite direction. Each diode must be tested for continuity in both directions. Since the alternator rectifier is made up of eight diodes (four pairs), there are a total of 16 checks.
  - Use an ohmmeter capable of checking diodes.
1. Check for continuity in each direction between the B and P terminals, and between the E (ground) and P terminals of each diode pair. All diodes should have continuity in only one direction.



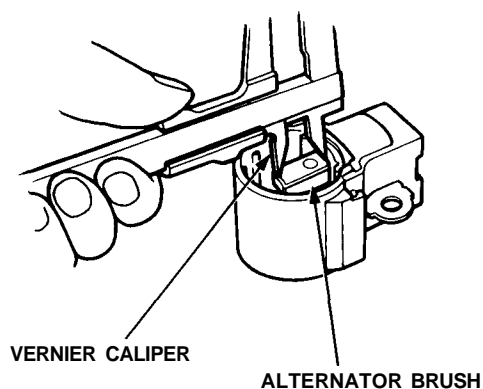
2. If any of the eight diodes tests bad, replace the rectifier assembly (diodes are not available separately).

## Alternator Brush Inspection

1. Remove the end cover, then take out the brush holder by removing its two screws.
2. Measure the length of the brushes with a vernier caliper.

### Alternator Brush Length:

**Standard : 10.5 mm (0.41 in)**  
**Service Limit : 1.5 mm (0.06 in)**



If the brushes are less than the service limit, replace the brush holder assembly.