

## Electrical Data and Specifications

### Generator

Note: Generator rpm are related to engine rpm by the V-belt ratio of 1:1.8

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|--|-----------------------------|
| 1. Type                                | Bosch shunt                 |
| 2. Designation                         | LJ/GEG/200/6/2600 L 19      |
| 3. Load and speed for performance test | 200 watt 2500 rpm (36 amp)  |
| 4. Nominal voltage speed               | 1750 rpm                    |
| 5. Field coil resistance               | 1.0 to 1.1 ohm              |
| 6. Carbon brush spring tension         | 450 to 600 g (16 to 21 oz.) |

### Regulator

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|---------------------------------------|--|
| 1. Type                               | Bosch RS/UA 200/6/23   |
| 2. Cut-out closes                     | 6.3 to 6.7 V   |
| 3. Cut-out opens                      | 4 to 9 amp   |
| 4. Cut-out contact gap                | 0.4 mm (.016 in.) main contact 0.5 to 1.2 mm (.020 to .047 in.)        |
| 5. Regulator voltage (no load)        | 7.0 to 7.5 V   |
| 6. Armature gap for voltage regulator | closed 0.2 mm min. (.008 in.)<br>open 0.8 to 1.3 mm (.032 to .051 in.) |
| 7. Contact gap for voltage regulator  | 0.25 to 0.4 mm (.010 to .016 in.)                                      |
| 8. Current regulator cuts in          | cold 50 to 54 amp<br>warm 47 to 51 amp                                 |

### Starter

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|--------------------------------|--|
| 1. Type                        | Bosch, Solenoid worm, EED 0.5/6 L 35                             |
| 2. No load test                | 5.5 V 60 to 80 amp at 5300 to 7300 rpm                           |
| 3. Load test                   | 4.5 V at 260 amp 1000 to 1300 rpm<br>0.4 mkg (2.9 ft.lb.) torque |
| 4. Torque stalled              | 3.5 V 450 to 520 amp 0.9 to 0.95 mkg (6.5 to 6.9 ft.lb.)         |
| 5. Carbon brush spring tension | 800 to 900 g (28 to 32 oz.)                                      |

**Distributor**

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|--|---|
| 1. Type                                      | Bosch VJR 4 BR 18 mk  |
| 2. Breaker point gap                         | 0.4 to 0.5 mm (.016 to .020 in.)  |
| 3. Centrifugal advance degrees at engine rpm | 0° 600 to 900 rpm<br>10° 1000 to 1200 rpm<br>20° 1600 to 2200 rpm<br>33° 2900 to 5300 rpm |
| 4. Dwell angle                               | 47° to 53°  |
| 5. Spring tension                            | 400 to 500 g (14 to 17.6 oz.)   |
| 6. Condenser                                 | 0.27 to 0.32 $\mu$ F  |

**Ignition Coil**

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|--|--|
| 1. Type  | Bosch TK 6 A 3   |
| 2. Spark on Bosch tester EFMZ 1 with ionized spark gap | 14 mm (.551 in.) with 1.8 ohm test resistor at 2.8 amp primary current |

**Spark plugs**

Bosch W 225 TI gap 0.5 to 0.6 mm (.020 to .024 in.)

**Battery**

6 V 84 amp hour negative ground