# SERVICE SPECIFICATIONS

## SERVICE DATA

CH03M-0F

| | | | |
|---|---|---|---|
| Battery | Voltage | at 20°C (68°F) | 12.5 – 12.9 V |
| | Specific gravity | at 20°C (68°F) | 1.25 – 1.29 |
| Drive belt | Tension | | |
| | New belt | | 55 – 65 kgf |
| | Used belt | | 25 – 40 kgf |
| Alternator | Rated output | | 12 V – 70 A, 80A |
| | Rotor coil resistance | 70 A | At 20°C (68°F): 2.8 – 3.0 Ω |
| | | 80 A | At 20°C (68°F): 2.1 – 2.5 Ω |
| | Slip ring diameter | STD | 14.2 mm – 14.4 mm (0.559 – 0.567 in.) |
| | Slip ring diameter | Minimum | 12.8 mm (0.504 in.) |
| | Brush exposed length | STD | 10.5 mm (0.413 in.) |
| | Brush exposed length | Minimum | 1.5 mm (0.059 in.) |
| IC regulator | Regulating voltage | at 25°C (77°F) | 13.7 – 14.8 V |
| | Regulating voltage | at 115°C (239°F) | 13.2 – 14.0 V |

## TORQUE SPECIFICATIONS

CH0AY-02

| Part tightened | | N·m | kgf·cm | ft·lbf |
|---|---|---|---|---|
| Bearing retainer x Drive end frame | 70 A | 2.6 | 27 | 23 in.·lbf |
| | 80 A | 2.9 | 30 | 25 in.·lbf |
| Rectifier end frame x Drive end frame | | 4.5 | 46 | 40 in.·lbf |
| Alternator pulley x Rotor | | 110 | 1,125 | 81 |
| Rectifier holder x Coil lead on rectifier end frame | | 2.0 | 20 | 18 in.·lbf |
| IC regulator and brush holder x Rectifier end frame | 70 A | 2.0 | 20 | 17 in.·lbf |
| | 80 A | 2.9 | 30 | 25 in.·lbf |
| Rear end cover x Rectifier holder | Nut | 4.5 | 46 | 40 in.·lbf |
| | Bolt | 3.8 | 39 | 34 in.·lbf |
| Terminal insulator x Rectifier holder | | 4.1 | 41.5 | 36 in.·lbf |
| Alternator x Alternator bracket | | 51 | 520 | 38 |
| Alternator x Adjusting bar | | 18.5 | 185 | 14 |