



| Ref. No. | Part Number     | Description                 | DEF   |
|----------|-----------------|-----------------------------|-------|
| 1        | 306-81600-14-00 | A.C. GENERATOR ASS'Y.....   | 1 1 1 |
|          | 136-82540-01-00 | . NEUTRAL SWITCH ASS'Y .... | 1     |
| 2        | 258-81650-11-00 | . ROTOR ASS'Y.....          | 1 1 1 |
| 3        | 306-81610-12-00 | . STATOR ASS'Y.....         | 1 1 1 |
|          | 136-82540-01-00 | . NEUTRAL SWITCH ASS'Y .... | 1     |
| 4        | 256-81614-10-00 | .. PROTECTOR .....          | 1 1 1 |
| 5        | 98501-04008-00  | .. SCREW, pan head.....     | 2 2 2 |
| 6        | 92901-04100-00  | .. WASHER, spring.....      | 2 2 2 |
| 7        | 256-81611-11-00 | .. BRUSH 1 .....            | 1 1 1 |
| 8        | 256-81612-11-00 | .. BRUSH 2 .....            | 1 1 1 |
| 9        | 256-81613-10-00 | .. HOLDER, brush 1 .....    | 1 1 1 |
| 10       | 98501-04012-00  | .. SCREW, pan head.....     | 4 4 4 |
| 11       | 92901-04100-00  | .. WASHER, spring.....      | 4 4 4 |
| 12       | 95301-04600-00  | .. NUT, hexagon .....       | 1 1 1 |
| 13       | 92501-06075-00  | SCREW, pan head.....        | 2 2 2 |
| 14       | 92903-06100-00  | WASHER, spring.....         | 2 2 2 |

**XS650D**

|  |  |
|--|--|
| ELECTRICAL - Charging System (mfr.) (type)   | Hitachi / Regulated A.C. Generator         |
| No Load Voltage Adj. (AC & DC generators)    | 14.5 ± 0.5V @ 3,000rpm                     |
| Max. Generator (Magnet) Output               | 14V 11A @ 2,000rpm                         |
| Ign. Coil Min. Spark Gap/Pri. Res./Sec. Res. | 7mm @ 7,000rpm / 3.9Ω / 8.0KΩ              |
| Source Coil Res./Pulse Coil Res.             | ∅  |
| Condenser Capacity                           | 0.22μF                                     |
| Point Gap/Spark Plug (type/gap)              | 0.35mm (0.014") / NGK BP-7ES / 0.6 ~ 0.7mm |
| Timing (advanced) (retarded)                 | (14.5° @ 3,300rpm) (13 ~ 17° @ 1,200rpm)   |

**XS650E**

|   |  |
|---|--|
| ELECTRICAL - System/Type                        | AC Generator / Battery & Coil          |
| Maximum Output                                  | 14V 11A @ 2000 rpm                     |
| Field Coil Color Code/Ω                         | Rotor: 5.25Ω ± 10% Stator: 0.46Ω ± 10% |
| Ignition Coil test gap/Pri. ary Ω / Secondary Ω | 6mm / 3.9Ω ± 10% / 8KΩ ± 20%           |
| Battery—model/spec. grav./chg rate ± hour       | Yuasa YB14L (12V14AH) / 1.280 / 1.4A x |

**XS650F**

|  |   |
|--|---|
| CHARGING SYSTEM                          | A.C. Generator / 3 Phase / Full Wave                |
| Battery: Model / Spec. Grav. / Chg. Rate | Yuasa YB14L-A2 (12V14AH) / 1.28 / 1.4A              |
| Maximum Output                           | 14V 11A @ 2000 rpm                                  |
| TRUBLESHOOTING                           |   |
| Field Coil Color Code / Ω                | Rotor: Grn-8Ω / 5.25Ω ± 10% Stator: Whr-Whr / 0.46Ω |