

D. Electrical

1. IGNITION SYSTEM

1) Ignition timing (B.T.D.C.)

15°/1,200 r/min

2) Ignition coil

Model/Manufacturer

CM11-50B/HITACHI

Spark gap

6 mm (0.24 in) or more at 500 r/min

Primary winding resistance

3.9Ω ± 10% at 20°C (68°F)

Secondary winding resistance

8.0kΩ ± 20% at 20°C (68°F)

3) Spark plug

Type

N-7Y (CHAMPION) or BP7ES (N.G.K.)

Spark plug gap

0.7 ~ 0.8 mm (0.027 ~ 0.031 in)

4) Contact breaker

Manufacturer/Quantity

HITACHI/2 pcs.

Point gap

0.30 ~ 0.40 mm (0.012 ~ 0.016 in)

Point spring pressure

650 ~ 850 g (22.9 ~ 30.0 oz)

Cam closing angle

93° ± 5°

5) Condenser

Capacity

0.22μF

Insulation resistance

10MΩ or more

Quantity

2 pcs.

2. CHARGING SYSTEM

1) AC generator

Charging output

14V 11A/2,000 r/min

Rotor coil resistance (Field coil)

5.25Ω ± 10% at 20°C (68°F)

Stator coil resistance

0.46Ω ± 10% at 20°C (68°F)

Brush length

14.5 mm (0.571 in)

Brush wear limit

7.0 mm (0.276 in)

2) Rectifier

Type

6-Element type (Full wave)

Model/Manufacturer

SB6B-17/HITACHI

Capacity

12A

Withstand voltage

400V

3) Regulator

Type

Tillil type

Model/Manufacturer

TLIZ-80/HITACHI

Regulating voltage

14.5 ± 0.5V

Core gap

0.6 ~ 1.0 mm (0.024 ~ 0.039 in)

Point gap

0.3 ~ 0.4 mm (0.012 ~ 0.016 in)

Voltage coil resistance

10Ω at 20°C (68°F)

5) Battery

Model/Manufacturer/Quantity

YB14L-A2/YUASA/1 pc.

Capacity

12V, 14AH

Charging rate

1.4A 10 hours

Specific gravity

1.28 at 20°C (68°F)

3. STARTER

1) Starter motor

Type

Manufacturer

Model

Output

Armature coil resistance

Field coil resistance

Brush size/Quantity

Wear limit

Spring pressure

Commutator O.D./Wear limit

Mica undercut

Bendix type

HITACHI

S108-35

0.5 kw

$0.0067\Omega \pm 10\%$ at 20°C (68°F)

$0.004\Omega \pm 10\%$ at 20°C (68°F)

16 mm (0.63 in)/2 pcs.

4 mm (0.16 in)

800 g (28.2 oz)

33 mm (1.30 in)/31 mm (1.22 in)

0.7 mm (0.028 in)

2) Starter switch

Manufacturer

Model

Amparage rating

Cut-in voltage

Winding resistance

HITACHI

A104-70

100A

6.5V

3.5Ω

3) Starter clip friction tension

2.2 ~ 2.5 kg (4.9 ~ 5.5 lb)

4. LIGHTING SYSTEM

1) Headlight type

2) Bulb brightness and wattage/Quantity

Headlight

Tail/brake light

Flasher light

Pilot lights: Turn

High beam

Headlight failure

Neutral

Tail/brake failure

Meter lights

3) Reserve lighting unit

Model/Manufacturer

4) Horn

Model/Manufacturer

Maximum amparage

5) Flasher relay

Type

Model/Manufacturer

Flasher frequency

Capacity

6) Flasher cancelling unit

Model

Voltage

7) Fuse

Rating/Quantity

8) Light checker

Model

Manufacturer

Sealed beam

12V, 50/40W x 1 pc.

12V, 3/32 CP (8W/27W) x 1 pc.

12V, 32 CP (27W) x 4 pcs.

12V 3.4W x 1 pc.

12V, 3.4W x 1 pc.

12V, 3.4W x 1 pc.

12V, 3.4W x 1 pc.

12V, 3.4W x 1 pc.

12V, 3.4W x 4 pcs.

337-11720/KOITO

CF-12/NIKKO

2.5A

Condenser type

1A0-70/NIPPON DENSO

85 ± 10 cycle/min.

32 CP (27W) x 2 + 3.4W

EVH-AC518

DC9V ~ 16V

Main (Red): 20A

35200-71859

KOITO