

8E101

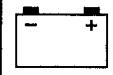
**MAIN SWITCH**

1. Disconnect:
  - Main switch coupler ①
2. Connect:
  - Pocket tester
3. Check:
  - Main switch continuity

Faulty → Replace.

Switch position	Good condition
OFF	×
ON	○

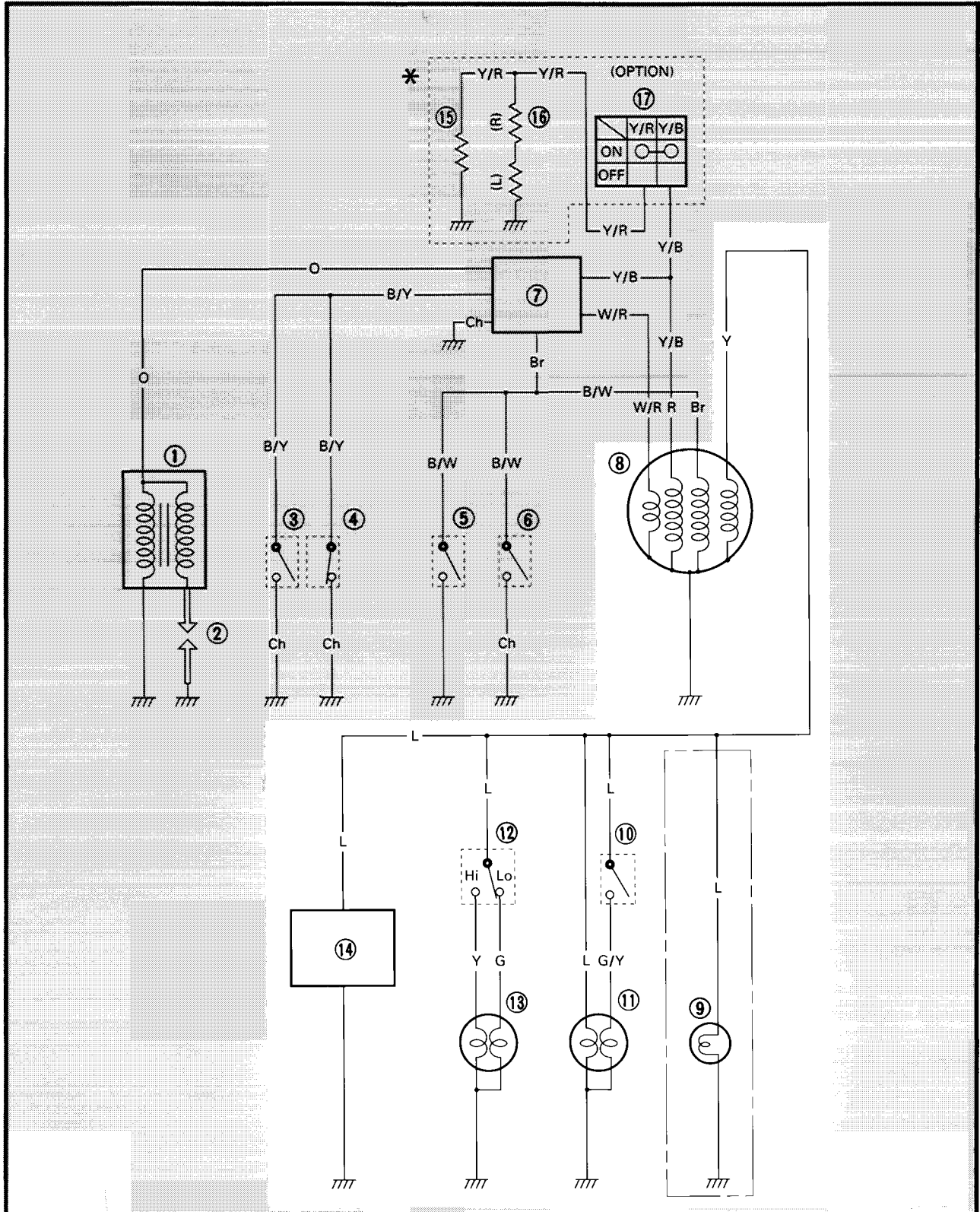
○ : Continuity      × : No continuity



LIGHTING SYSTEM

CIRCUIT DIAGRAM

- ⑧ C.D.I. magneto
- ⑨ Speedometer light
- ⑩ Brake light switch
- ⑪ Tail/brake light
- ⑫ Headlight beam switch
- ⑬ Headlight
- ⑭ Voltage regulator

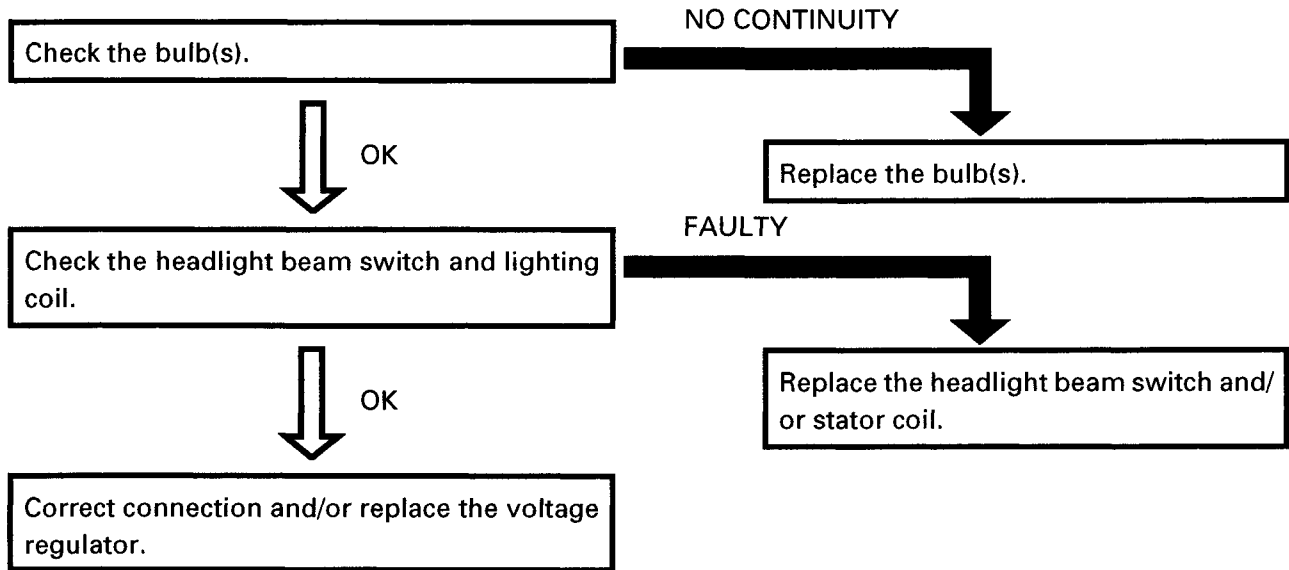


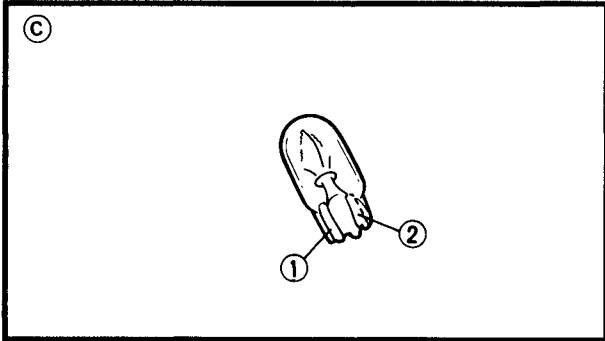
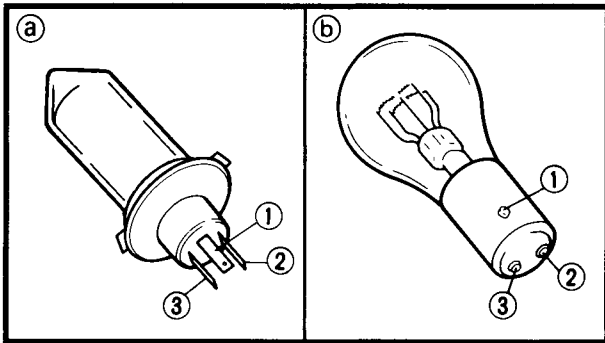
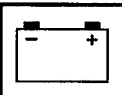


8E141

TROUBLESHOOTING

HEADLIGHT, TAIL LIGHT AND/OR METER LIGHT DO NOT COME ON.





**BULB (S)**

1. Remove:
  - Headlight bulb
  - Tail/brake light bulb
  - Meter light bulb
2. Connect:
  - Pocket tester (to bulb terminals)

**⚠ WARNING**

**Keep flammable products and your hands away from the bulb while it is on; it will be hot. Do not touch the bulb until it cools down.**

- Ⓐ Headlight                      Ⓑ Tail/brake light  
 Ⓒ Meter light

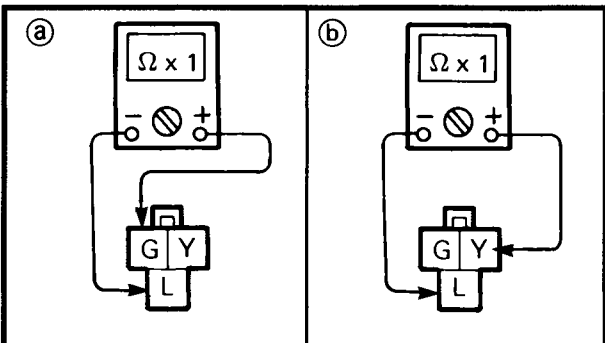
3. Check:
  - Bulb(s)

Terminal	Good condition
① - ②	○
① - ③	○

○ : Continuity

**HEADLIGHT BEAM SWITCH**

1. Disconnect:
  - Headlight beam switch coupler
2. Connect:
  - Pocket tester (to headlight beam switch coupler)



3. Check:
  - Headlight beam switch continuity
 Faulty → Replace.

Switch position	Ⓐ Good condition	Ⓑ Good condition
HI	×	○
LO	○	×

○ : Continuity      × : No continuity



## SPECIFICATIONS

### GENERAL SPECIFICATIONS

Model	BR250T	BR250TS
Model code number:	8BD2	8BC2
Frame & Engine starting number:	8BD-008101	8BC-001101
Dimensions:		
Overall length	2,945 mm (115.9 in)	2,425 mm (95.5 in)
Overall width	950 mm (37.4 in)	←
Overall height	1,120 mm (44.1 in)	1,100 mm (43.3 in)
Weight:	175 kg (386 lb)	153 kg (337 lb)

Model	BR250T/TS
Minimum turning radius:	
Clockwise	3.7 m (12.1 ft)
Counterclockwise	3.7 m (12.1 ft)
Engine:	
Engine type	Air cooled 2-stroke
Induction system	Piston valve
Cylinder arrangement	Forward inclined single cylinder
Displacement	246 cm <sup>3</sup>
Bore × Stroke	70 × 64 mm (2.76 × 2.52 in)
Compression ratio	6.1:1
Starting system	Recoil starter
Lubrication system:	Separate Lubrication
Engine oil:	
Type	YAMALUBE 2
Tank capacity	1.8 L (1.6 Imp qt, 1.9 US qt)
Drive chain housing oil:	
Type	Gear oil API "GL-3" SAE #75 or #80
Capacity	0.2 L (0.18 Imp qt, 0.21 US qt)
Fuel:	
Type	Unleaded gasoline
Tank capacity (main tank)	15 L (3.3 Imp gal, 3.96 US gal)
Tank capacity (sub tank)	9.3 L (2.05 Imp gal, 2.46 US gal)
Carburetor:	
Type/Quantity	BD32-28
Manufacturer	KEIHIN
Spark plug:	
Type	BR8HS
Manufacturer	NGK
Gap	0.6 ~ 0.7 mm (0.02 ~ 0.03 in)
Transmission:	
Primary reduction system	V-belt
Primary reduction ratio	3.5 ~ 1.0:1
Clutch type	Automatic centrifugal engagement
Secondary reduction system	Chain
Secondary reduction ratio	24/10 (2.40) (BR250T) 23/12 (1.92) (BR250TS)

# GENERAL SPECIFICATIONS

**SPEC**



Model	BR250T/TS
<b>Chassis:</b> Frame type Caster Ski stance (center to center)	Monocoque 25° 750 mm (29.5 in)
<b>Suspension:</b> Front suspension type Rear suspension type	Leaf spring Slide rail suspension
<b>Track:</b> Track type Track width Length on ground Track deflection mm/10 kg (22 lb)	Internal drive type 381 mm (15.0 in) 1126 mm (44.3 in) 40 ~ 50 mm (1.6 ~ 2.0 in)
<b>Brake:</b> Brake type Operation method	Caliper type disc brake Handle lever, left handle operated
<b>Electrical:</b> Ignition system/Manufacturer Generator system	C.D.I./YAMAHA Flywheel magneto
<b>Bulb wattage × Quantity:</b> Headlight  Tail/Brake light Speedometer light	12V 60W/55W × 1 (BR250T) 12V 60W/60W × 1 (BR250TS) 12V 8W/23W × 1 12V 3.4W × 1