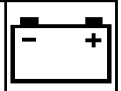


IGNITION SYSTEM

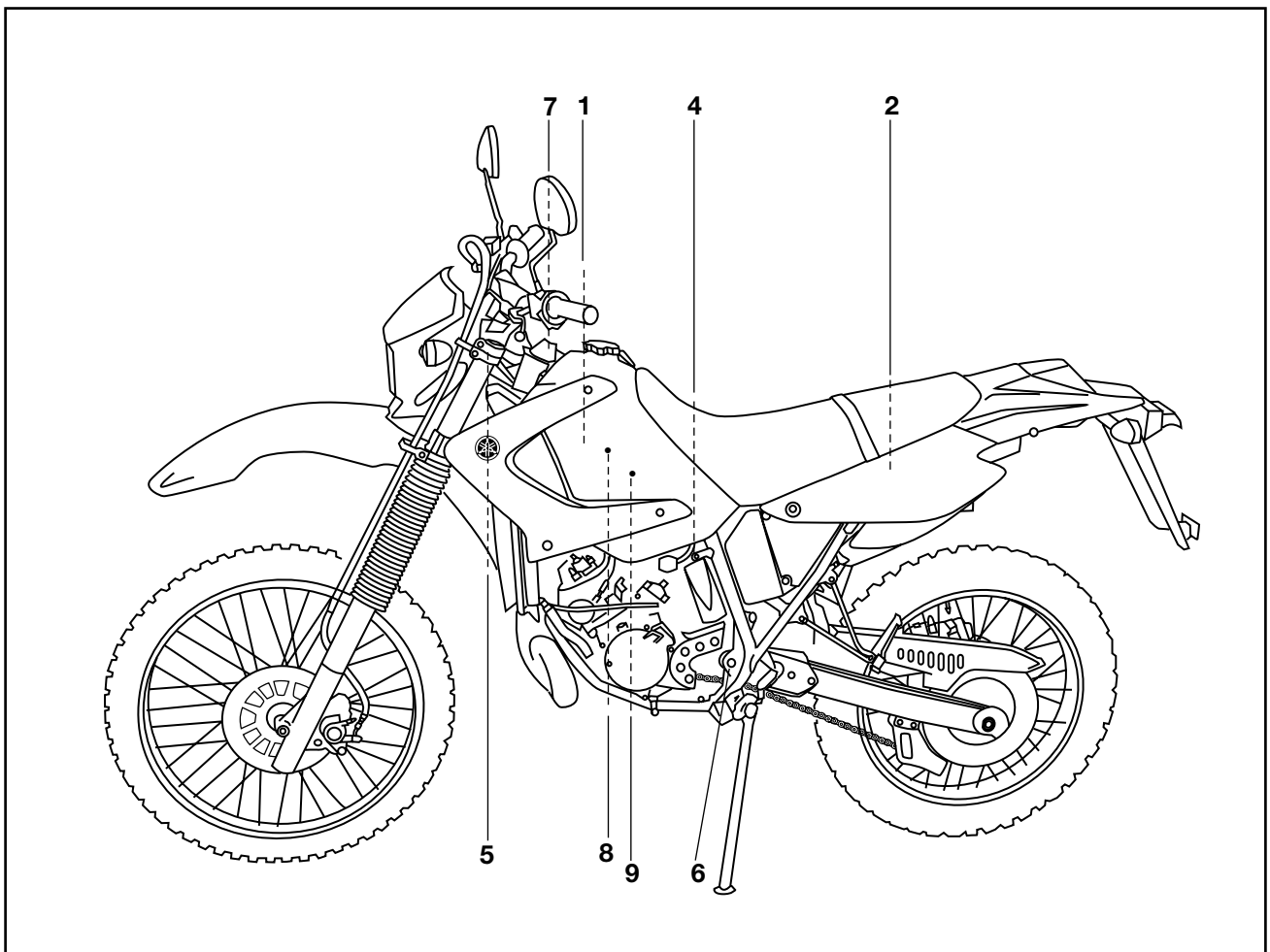
ELEC

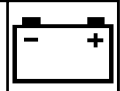


NOTE:

For the color codes see the electric diagram

- ① Magneto CDI
- ③ Battery
- ④ Fuse
- ⑤ Starter relay
- ⑥ Starting engine
- ⑦ Main switch
- ⑧ C.D.I.
- ⑨ Ignition coil





EAS00736

TROUBLESHOOTING

The ignition system fails to operate (no spark or intermittent spark).

Check:

1. Main and ignition fuses
2. Battery
3. Spark plug
4. Ignition spark gap
5. Spark plug cap resistance
6. Ignition coil resistance
7. Main switch
8. Engine stop switch
9. Neutral switch
10. Sidestand switch
11. Pickup coil resistance
12. Wiring connections (of the entire ignition system)

NOTE:

- Before troubleshooting, remove the following part(s):
 1. Side covers (right and left)
 2. Seat
 3. Fuel tank
 4. Headlight cover
 5. Headlight unit
- Troubleshoot with the following special tool(s).



Ignition checker
90890-06754
Pocket tester
90890-03112

EAS00740

1. Spark plug

- Check the condition of the spark plug.
- Check the spark plug type.
- Measure the spark plug gap.
Refer to "CHECKING THE SPARK PLUG" in chapter 3.



Standard spark plug
BR8HS (NGK)
Spark plug gap
0.6 ~ 0.7 mm

- Is the spark plug in good condition, is it of the correct type, and is its gap within specification?



YES



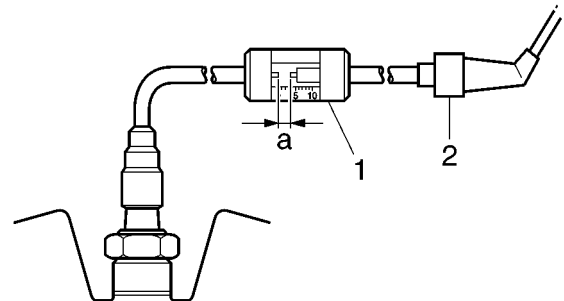
NO

Re-gap or replace the spark plug.

EAS00742

2. Ignition spark gap

- Disconnect the spark plug cap from the spark plug.
- Connect the ignition checker ① as shown.



② Spark plug cap

- Set the main switch to "ON".
- Measure the ignition spark gap @.
- Crank the engine by pushing the starter switch and gradually increase the spark gap until a misfire occurs.



Minimum ignition spark gap
6 mm (0.24 in)

- Is there a spark and is the spark gap within specification?



YES



NO

The ignition system is OK.