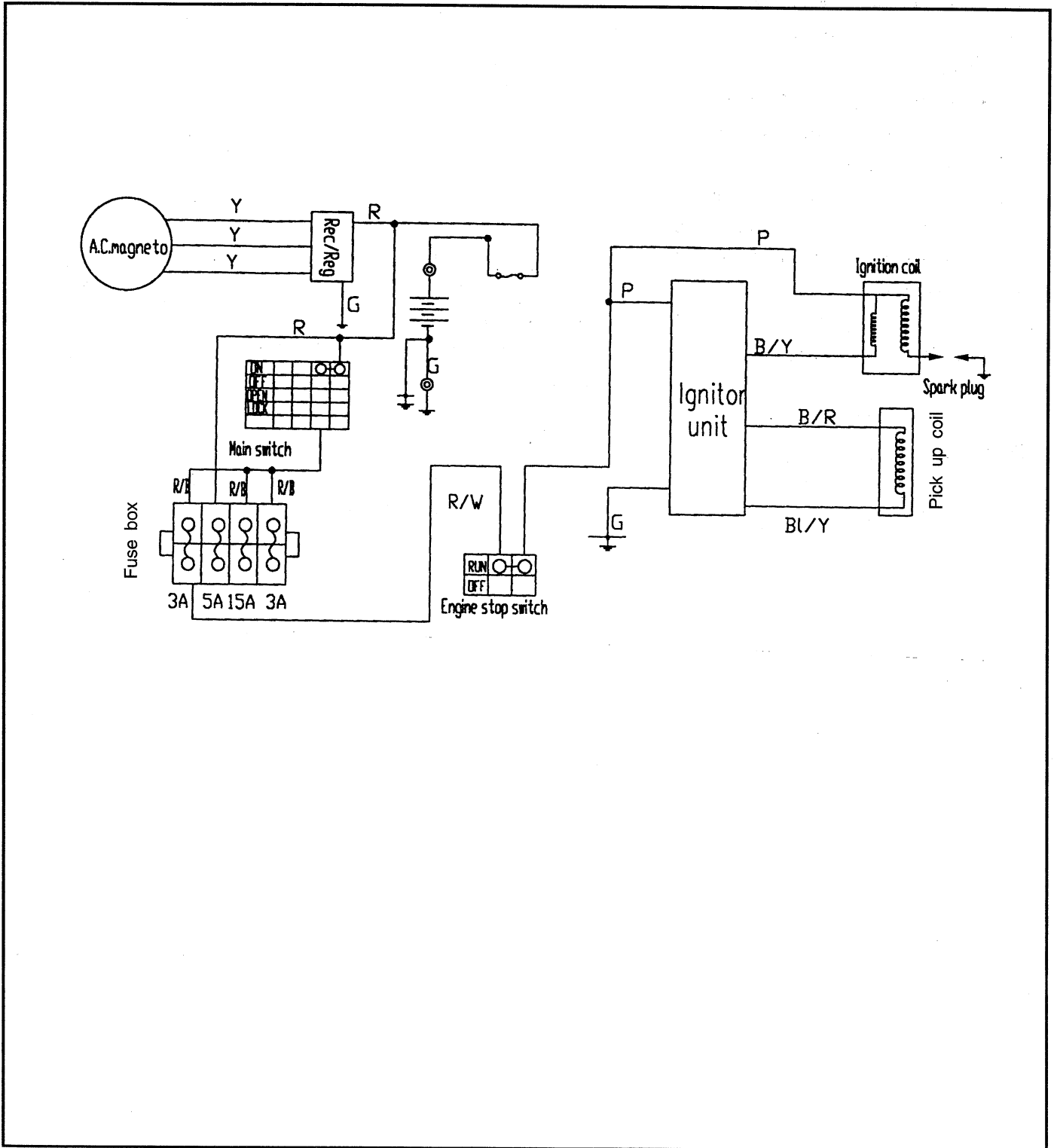


ELECTRICAL

IGNITION SYSTEM

CIRCUIT DIAGRAM



TROUBLESHOOTING

**IF THE IGNITION SYSTEM FAILS TO OPERATE.
(NO SPARK OR INTERMITTENT SPARK)**


Procedure

Check:

- | | |
|-----------------------------|--------------------------|
| 1.Fuse (Main) | 7.Pickup coil resistance |
| 2.Battery | 8.Main switch |
| 3.Spark plug | 9.Engine stop switch |
| 4.Ignition spark gap | 10.Sidestand switch |
| 5.Spark plug cap resistance | 11.Wiring connection |
| 6.Ignition coil | (entire ignition system) |

NOTE:

- Remove the following parts before troubleshooting.
- 1) Not on ATV
- 2) Cowling body
- Use the special tools specified in the troubleshooting section.

 **Ignition checker**
Pocket tester:

1.Fuse
Refer to "CHECKING SWITCHES" section in CHAPTER 8.

NO CONTINUITY

Replace the fuse.

CONTINUTY

2.Battery
·Check the battery condition.
Refer to "BATTERY INSPECTION" section in CHAPTER 3.

INCORRECT


·Clean battery terminals.
·Recharge or replace the battery.

CORRECT

3.Spark plug
·Check the spark plug condition.
·Check the spark plug type.
·Check the spark plug gap.
Refer to "SPARK PLUG INSPECTION" section in CHAPTER 3.

**Standard spark plug:
DR8EA/NGK**

OUT OF SPECIFICATION

 Spark plug gap:
0.6-0.7mm

Repair or replace the spark plug