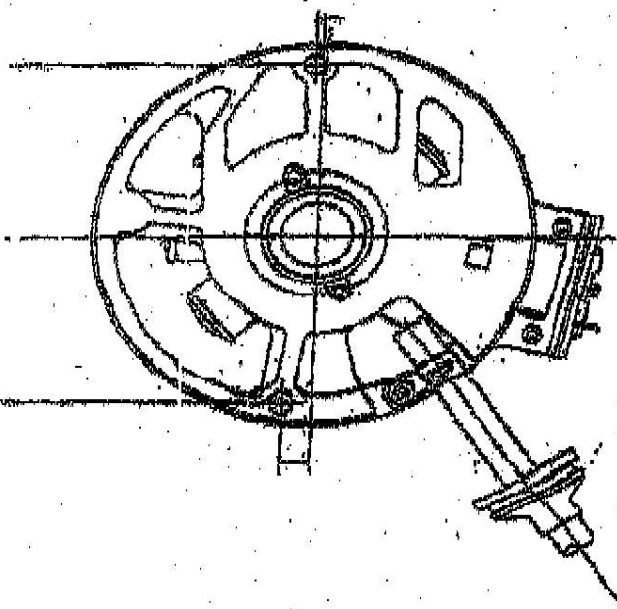
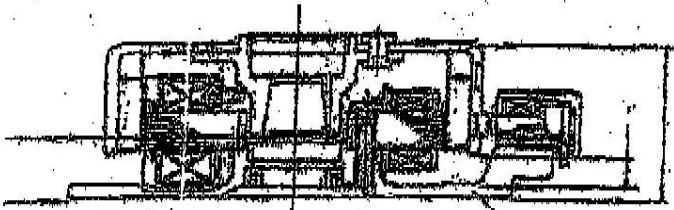
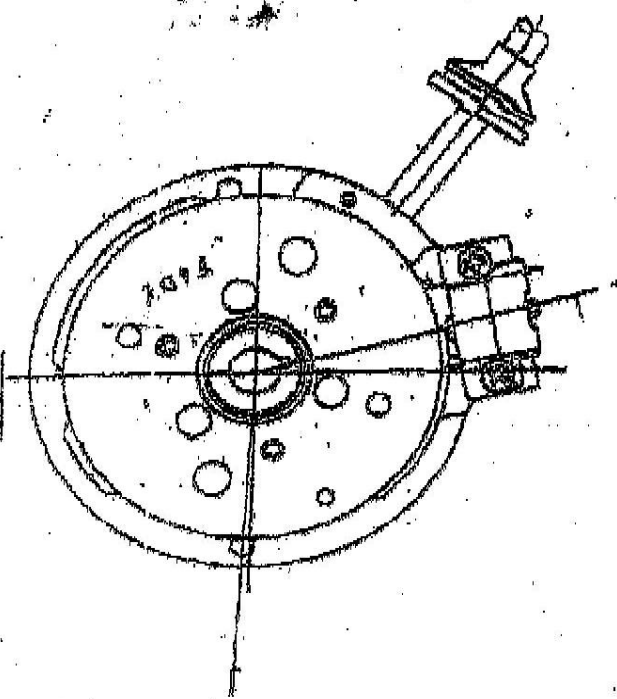
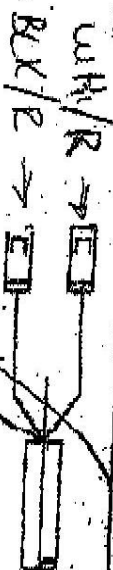


50cc - 40cc



ALL THREE WIRES ON FLAT PLUG BLK, WH, YR MUST ALL TEST GROUND



THIS pt. for lighting only

READING IN OHMS @ ROOM TEMP.

BLK-WH/R 500 \pm 20%

BLK-BLK/R 800 \pm 20%

BLK-Y/R 5 \pm 20%

BLK-WH 6 \pm 20%



SHOWN

IGNITION SWITCH

ON POSITION

RED-BROWN = CONT. } IGNITION SIDE

GRN-BLK = CONT. }

GRN-GROUND = CONT. - HARNESS SIDE

LEFT SWITCH

RED SWITCH

ON POSITION

BLK-BLK/WH = CONT.

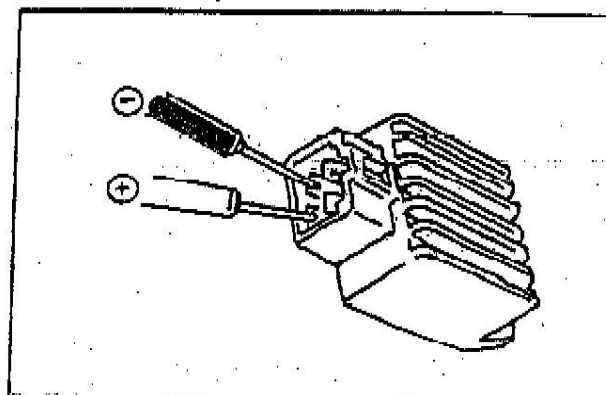
BLU/WH - GRN/BLK = CONT = START } BUT TO ADDRESS

4-5-1 Removal and Inspection of Ignition and Charging System

C. Inspection of Rectifier

- Testing Range - X 1 K Ω
- Terminals shall not connect with the rectifier surface.
- Check the electric resistance value between each wire.

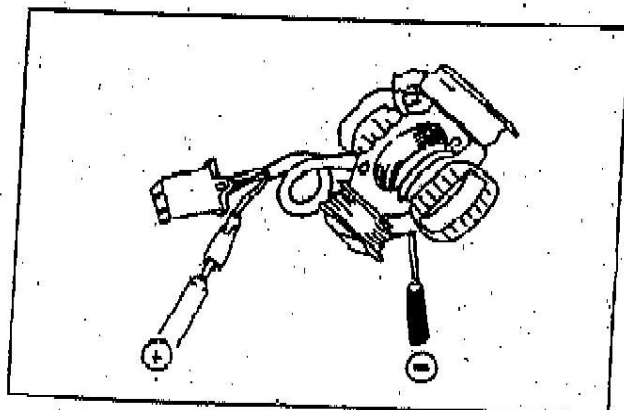
Electric Resistance of Rectifier				
Red \oplus Black \ominus	White/ Red	Yellow/ White	Red	Black/ White
White/Red		∞	∞	∞
Yellow/White	∞		∞	5~100K
Red	∞	∞		
Black/White	∞	5~100K	∞	



D. Inspection of Coil Assy.

- Test the electric resistance value between each wire.
- Testing Range - X 1 K Ω

Electric Resistance of Coil Assy			
Tester Connect to Wire		Electric Resistance	
Red \oplus	Black \ominus		
Yellow/White	Ground	Lamp	$0.76\Omega \pm 20\%$
White/Red	Ground	Charge	$0.97\Omega \pm 20\%$
Black/Red	Ground	High Voltage	$224\Omega \pm 20\%$



To Red
 To White
 To Yell/Red
 To BLACK
 END VIEW
 OF RECTIFIER

LIGHTING SYSTEM

IGNITION SWITCH

WITH SWITCH ON THIRD POSITION (ON) . YELLOW/RED AND PINK HAS CONTINUITY.

*POWER COMES IN ON Y/R AND EXITS ON PINK WIRE.

LEFT SWITCH ASSEMBLY

WITH LIGHT ON/OFF SWITCH IN ON POSITION PINK AND YELLOW/RED HAS CONTINUITY.

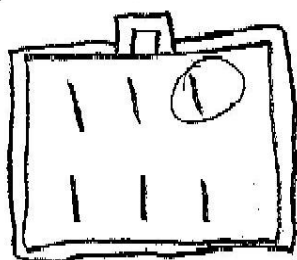
*POWER COMES IN ON PINK AND EXITS ON Y/R. (OPPOSITE FROM IGNITION)

DIRECTION OF POWER

VOLTAGE AC COMES OUT OF STATOR ON WHITE WIRE AND YELLOW/RED GOES TO VOLTAGE REGULATOR, WHITE ONLY POWERS VOLTAGE REGULATOR. YELLOW/RED FEEDS THE LIGHTING SYSTEM THROUGH THE IGNITION SWITCH. RED WIRE AT VOLTAGE REGULATOR IS TO CHARGE BATTERY AND BLACK IS GROUND.

****IF TAIL LIGHTS ARE BLOWN THE HEAD LIGHTS WILL BE VERY DIM****

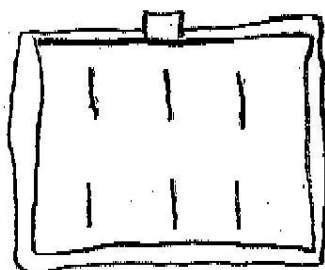
g BN^w Pink



GRN^w HAS
LT BLW
HERE

Single
from
Lft switch
Bundle
GRN^R TO
BK OF ATV.

Yell^R g R



BK^w BK BW^w

Lft switch
pig MALE

Helix
90cc
2003



g RW BRN
Other Lft switch

Pink BK BN
Key switch
pig FEMALE