Chheda Electricals & Electronics Pvt. Ltd.

Product Category: ELECTRONIC IGNITION UNIT

Application:

BAJAJ 2- SPIRIT
OEM Part No: 29111049
Ordering Part No: E107

Also referred to as:

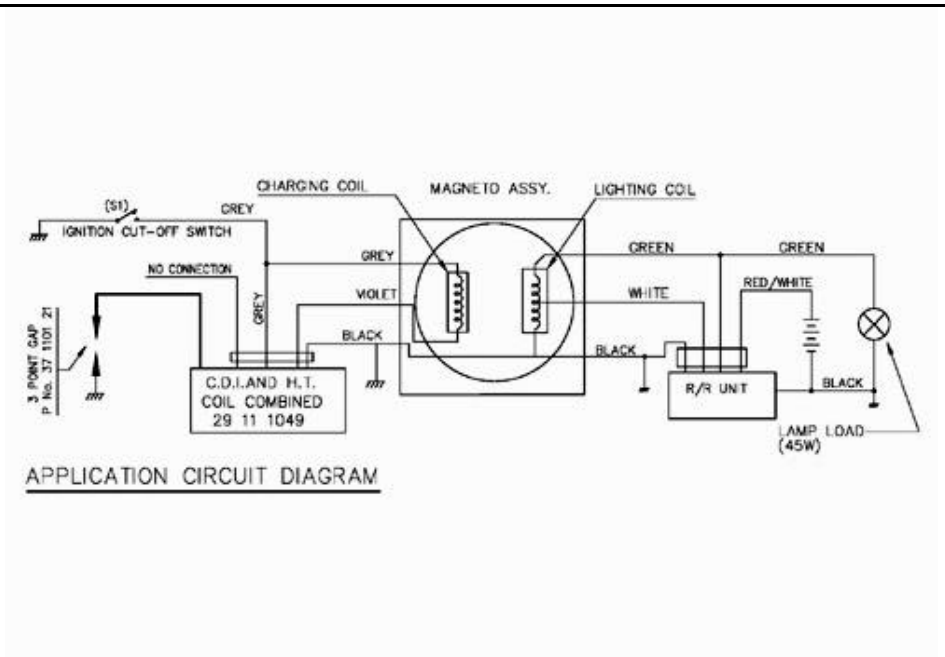
- "Igniter"
- "Two-In-One"
- "Combined CDI & HT Coil"

PRODUCT PHOTO

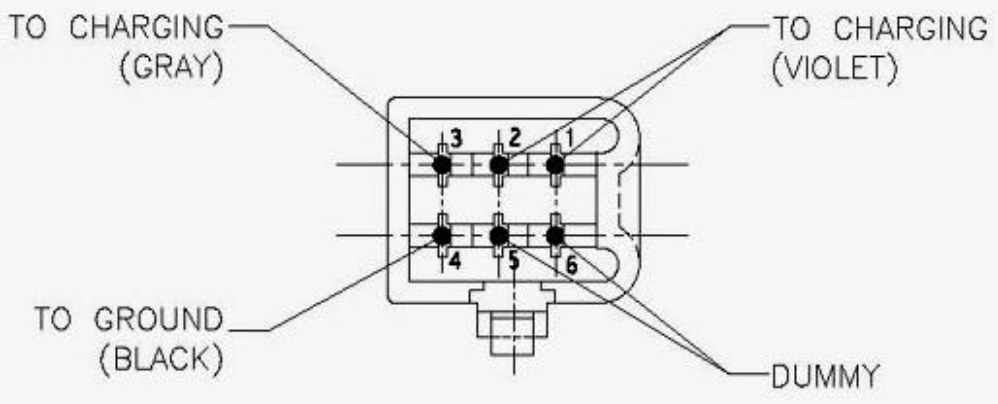
Advantages :

1) Reduced Costs due to reduced inputs as compared to separate CDI and HT Coil.
2) Improved productivity and lower labour costs due to lesser number of operations for fitment.
3) Higher reliability due to elimination of potential failure modes.
4) Fail safe circuits against faulty connections .

Application Details



APPLICATION CIRCUIT DIAGRAM



COUPLER CONNECTIONS

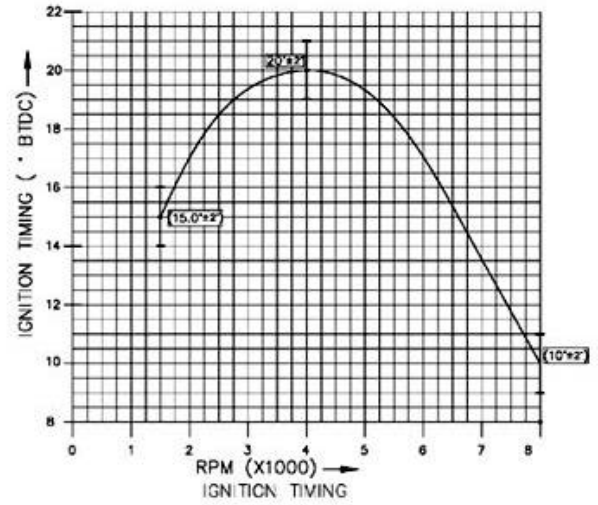
SPECIFICATIONS

1.0 GENERAL SPECIFICATIONS:

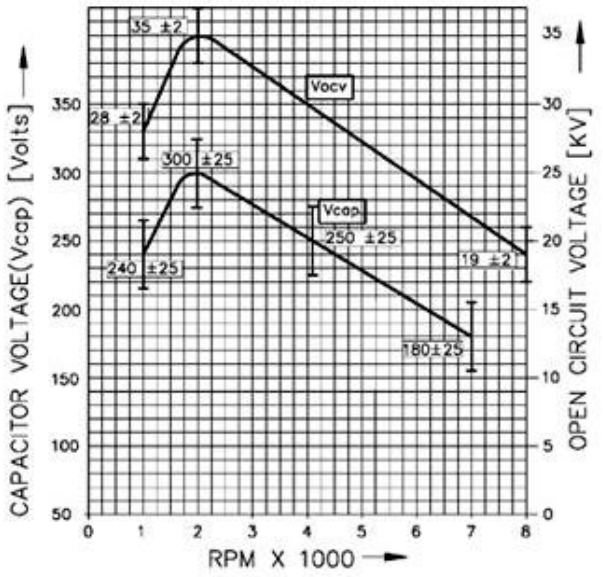
SR. NO.	ITEM	SPECIFICATIONS
1.1	TYPE	CAPACITIVE DISCHARGE IGNITION UNIT WITH H. T. COIL
1.2	SPEED RANGE	500 TO 8000 RPM
1.3	IGNITION SYSTEM	AC
1.4	NUMBER OF SPARKS / REVOLUTION	2
1.5	WEIGHT	300 GMS. APPROXIMATELY
1.6	OPERATING TEMP. RANGE	-10°C TO +85°C
1.7	STORAGE TEMP.	-40°C TO +85°C
1.8	OPERATING ENVIRONMENT	DRY OCCASIONAL SOAKING OF DUST/WATER/MUD/OIL
1.9	ASSOCIATED COMPONENTS	A) MAGNETO ASSEMBLY (CE 11 1005) B) R/R. UNIT (29 20 1023) C) SUPPRESOR CAP (16 11 1108) D) BATTERY (CB 20 1043)

SR. NO.	ITEM	SPECIFICATIONS
2.1	IGNITION TIMING	AS PER FIG.4
2.2	IGNITION ADVANCE CHARACTERISTIC	VARIABLE
2.3	LOW SPEED TRIGGERING (SPARK GAP=8±0.1 mm)	560 RPM Max.
2.4	SPARK DURATION (T sec) (NOMINAL) (SPARK GAP=8±0.1 mm)	180µSEC. Min @ 2500 RPM (REFER FIG. 5)
2.5	SPARK ENERGY (E sec) (NOMINAL) (SPARK GAP=8±0.1 mm)	9 µ SIEMENS. Min @ 2500 RPM (REFER FIG. 5)
2.6	CAPACITOR VOLTAGE (Vcap) (NOMINAL)	300 V NOM. @ 2000 RPM (REFER FIG. 5)
2.7	OPEN CIRCUIT VOLTAGE (Vocv) (NOMINAL)	35 KV NOM. @ 2000 RPM (REFER FIG. 5)
2.8	RISE TIME OF SECONDARY VOLTAGE	15 Micro Seconds @ 1500 RPM

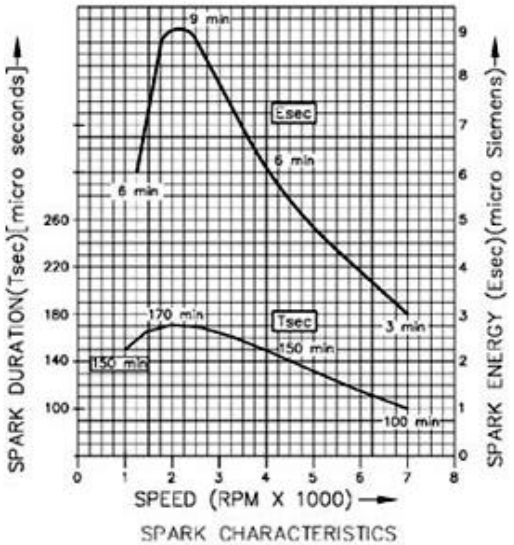
PERFORMANCE GRAPHS



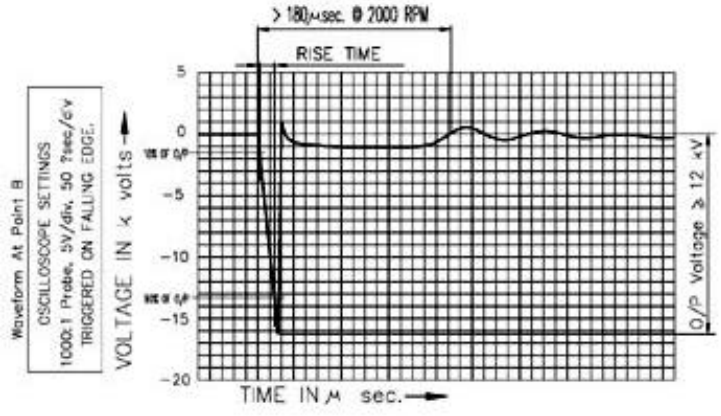
IGNITION TIMING



OPEN CIRCUIT VOLTAGE

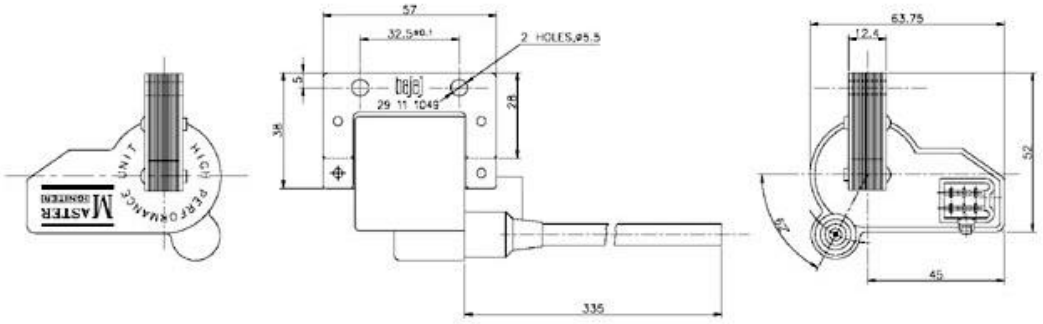


SPARK CHARACTERISTICS



WAVEFORM FOR TRIGGER START RPM & SPARK DURATION

DIMENSIONS



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