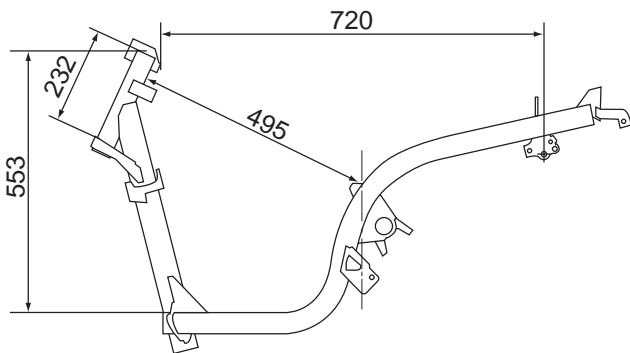




**50 cc IAE**

**Reference: 758036**

Cooling by pump driven water circulation driven by the rotor of the flywheel magneto.



cable-controlled, single cam drum type.  
Brake drum diameter: 110 mm  
Brake lining thickness: 3.8 mm

Carburettor.  
Make and model: GURTNER PYA  
Adjustment: 419  
Main jet: 55  
Idle jet: 42  
Needle: L3035F  
Starter jet: 45  
Mixture screw: 0 tr 3/4  
Idle setting: 1600 rpm  
Adjustment % CO: \*  
Heater element.

IGNITION

Ignition unit: CDI  
Spark plug: NGK CR7EB  
Electrode gap: 0.6 to 0.7 mm  
Ignition advance: fixed 17°  
Ignition coil: TEC MP11 or T11C X7A  
Primary coil resistance: 0.26 Ω ± 20 %  
Secondary coil resistance: 3 kΩ ± 20 %  
Spark plug cap resistance: 5 kΩ ± 20 %  
Pick-up resistance: 120 Ω ± 10 %  
Ignition coil resistance: 550 Ω ± 20 %

ELECTRICITY

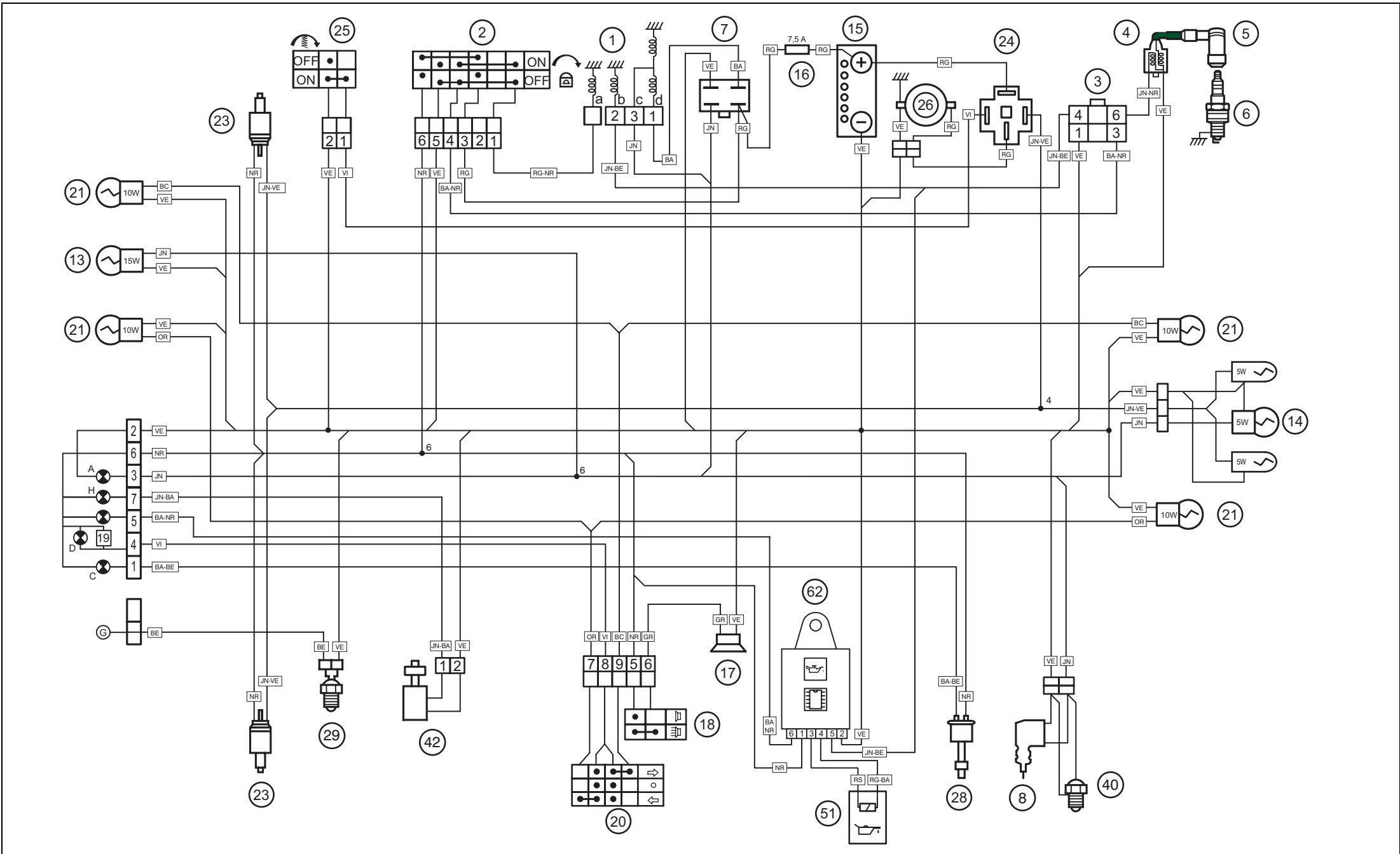
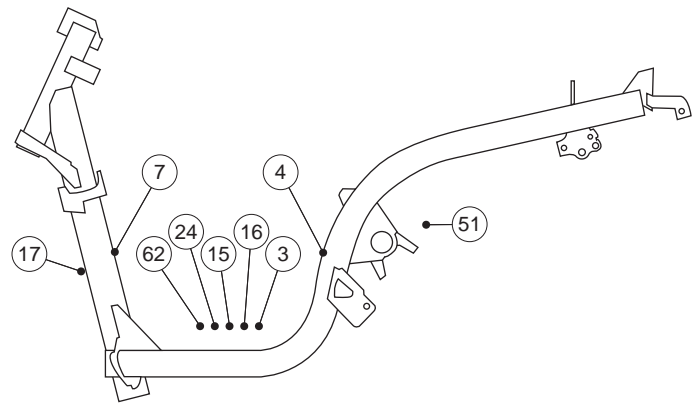
Current generator (type and power): AC/DC 89 W  
Make: KOKUSAN  
Stator resistance: Yellow wire 0.6 Ω - White wire 0.7 Ω ± 25 %  
Battery regulation voltage: 14.5 ± 0.5 V  
Battery (type and capacity): YUHASA YB4L-B or FIAMM 6ES-12 - 12V 4Ah  
Lighting voltage: Alternating current regulated at: 13.1 ± 0.5 V

STARTER MOTOR

Power: 150 W / 160 W  
Make: MITSUBA / MORIC

LIGHTING AND FUSES

	Quantity	Power
Headlamp (low beam)	1	12V - 15W
Tail light and stop light	3	12V - 5W
Indicator lamps	4	12V - 10W
Number plate lightning	*	*
Dash board lighting	1	12V-2W
Instrument panel indicator lamps	2	12V-1.2W
Main fuse	1	7.5A
Signalling fuse	*	*
"Side light" bulbs	*	*



A	Instrument panel lightning	14	Stop/tail bulb	39	Thermo-switch cooling fan	BA:	White	VC:	Light green
B	Main beam control	15	Battery	40	Carburettor electric heating	BA-BE:	White/blue	VE:	Green
C	Low oil level warning light	16	Fuses	42	Switch "Reserve"	BA-NR:	White/black	VE-NR:	Green/black
D	Direction indicator warning light/Hazard warning lights	17	Horn	43	Speed sensor	BC:	Light blue	VI:	Purple
E	Fuel gauge	18	Horn switch	44	Saddle lock	BE:	Blue		
F	LED "Anti theft device"	19	Flasher unit	45	Diagnostic plug	GR:	Grey		
G	Temperature gauge	20	Indicator relay	46	Air injector	JN:	Yellow		
H	Warning light "reserve"	21	Blinking lights bulbs	47	Petrol injector	JN-BA:	Yellow/white		
1)	Magneto flywheel	22	Fuel gauge	48	Throttle unit	JN-BE:	Yellow/blue		
a)	Ignition	23	Stop light switch	50	Petrol pump	JN-NR:	Yellow/black		
b)	Sensor	24	Starter motor relay	51	Oil pump	JN-VE:	Yellow/green		
c)	Alternating current	25	Starter motor switch	52	Ignition and injection control unit	MC:	Light brown		
d)	Battery charge current	26	Electric starter motor	53	Idle valve	MF:	Dark brown		
2)	Ignition switch	28	Mini oil level switch	54	Altimetric and air temperature sensor	MR:	Brown		
3)	CDI unit	29	Temperature sensor	55	Blinking light relay	MR-BA:	Brown/white		
4)	Ignition coil (high voltage)	30	Immobilizer	56	Blinking light relay	NR:	Black		
5)	Spark plug socket 5 kΩ	31	Transponder antenna	57	ABS/PBS relay	OR:	Orange		
6)	Resistive spark plug 5 kΩ	32	"Side light" bulb	58	Fuel pump relay	RG:	Red		
7)	Diode regulator	33	Number plate light	59	Hazard warning lights switch	RG-BA:	Red/white		
8)	Choke	36	Neutral contactor	60	ABS/PBS	RG-JN:	Red/yellow		
12)	Dip switch (main/low headlight)	37	Oil pressure switch	61	Lighting relay	RG-NR:	Red/black		
13)	Headlight bulb	38	Cooling fan	62	Oil pump control unit	RS:	Pink		