

1. GENERAL INFORMATION

1

GENERAL INFORMATION

ENGINE FRAME VIN SERIAL NUMBER.....	1-2
SPECIFICATIONS (125 CC)	1-3
SPECIFICATIONS (150 CC)	1-4
SERVICE PRECAUTIONS	1-5
TORQUE VALUES.....	1-7
TOOLS.....	1-8
LUBRICATION POINTS	1-9
CABLE & HARNESS ROUTING.....	1-11
WIRING DIAGRAM (125 CC).....	1-16
WIRING DIAGRAM (150 CC).....	1-17
TROUBLESHOOTING.....	1-18

1. GENERAL INFORMATION

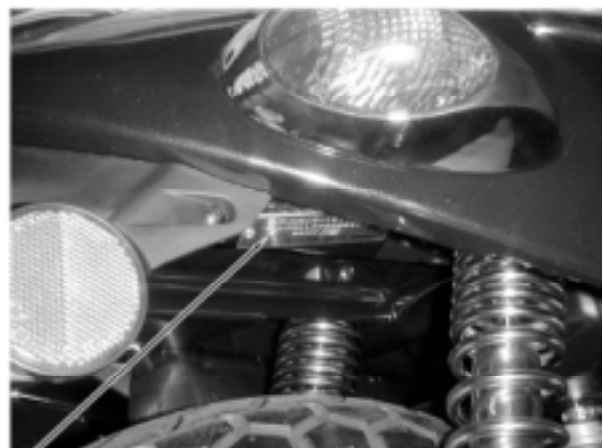
ENGINE FRAME VEHICLE IDENTIFICATION SERIAL NUMBER



Location of Frame Serial Number



Location of Engine Serial Number



Vehicle Identification Serial Number

1. GENERAL INFORMATION

SPECIFICATIONS

Name & Model No.			PEOPLE 125	
Overall length (mm)			1950	
Overall width (mm)			690	
Overall height (mm)			1075	
Wheel base (mm)			1335	
Engine type			O.H.C.	
Displacement (cc)			125	
Fuel Used			92# nonleaded gasoline	
Net weight (kg)	Front wheel		41	
	Rear wheel		70	
	Total		111	
Gross weight(kg)	Front wheel		65	
	Rear wheel		116	
	Total		181	
Tires	Front wheel		80/80-16 45P	
	Rear wheel		100/80-16 56P	
Ground clearance (mm)			160	
Perform- ance	Braking distance (m)		4.4 (30km/h)	
	Min. turning radius (m)			2
Engine	Starting system		Starting motor & kick starter	
	Type		OHC air cooled 4-cycle	
	Cylinder arrangement		Single cylinder	
	Combustion chamber type		Semi-sphere	
	Valve arrangement		O.H.C., chain drive	
	Bore x stroke (mm)		52.4 x 57.8	
	Compression ratio		9.6:1	
	Compression pressure (kg/cm ²)		13	
	Max. output (ps/rpm)		9.6/7500	
	Max. torque (kg m/rpm)		1.0/6500	
	Valve timing	Intake (mm)	Open	7.3
			Close	0
		Exhaust (mm)	Open	6.9
			Close	0
	Valve clearance (cold) (mm)	Intake		0.10
		Exhaust		0.10
	Idle speed (rpm)			1700rpm
	Lubrication System	Lubrication type		Forced pressure & wet sump
		Oil pump type		Inner/outer rotor type
		Oil filter type		Full-flow filtration
		Oil capacity		0.91 liter
		Exchanging capacity		0.81 liter

	Cooling Type			Forced air cooling		
Fuel System	Air cleaner type & No			Paper element		
	Fuel capacity			6.8 liters		
	Carburetor	Type		VE		
		Piston dia. (mm)		24		
		Venturi dia.(mm)		22.1 equivalent		
		Throttle type		Butterfly type		
Electrical	Ignition System	Type		CDI		
		Ignition timing		15°~28°BTDC/1700r		
		Contact breaker		Non-contact point type		
		Spark plug		NGK C7HSA		
		Spark plug gap		0.6_0.7mm		
	Battery	Capacity		12V6AH		
Power Drive System	Clutch	Type		Dry multi-disc clutch		
	Transmission Gear	Type		Non-stage transmission		
		Operation		Automatic centrifugal type		
	Reduction Gear	Type		Two-stage reduction		
		Reduction ratio	1st	0.86~2.64		
2nd			10.98			
Moving Device	Front Axle	Caster angle		25°		
		Trail length				
	Tire pressure (kg/cm_)		Front	1.75		
			Rear	2.00 (2.25)		
	Turning angle		Left	45°		
			Right	45°		
Brake svstem type			Front	Disk brake		
			Rear	Drum brake		
Damping Device	Suspension type		Front	Telescope		
			Rear	Swing arm		
	Shock absorber type		Front	Telescope		
			Rear	Swing arm		
Frame type				Steel pipe		

1. GENERAL INFORMATION

SPECIFICATIONS

Cooling Type

Forced air cooling

Name & Model No.			PEOPLE 150	
Overall length (mm)			1950	
Overall width (mm)			690	
Overall height (mm)			1075	
Wheel base (mm)			1335	
Engine type			O.H.C.	
Displacement (cc)			150	
Fuel Used			92# nonleaded gasoline	
Net weight (kg)	Front wheel		41	
	Rear wheel		70	
	Total		111	
Gross weight(kg)	Front wheel		65	
	Rear wheel		116	
	Total		181	
Tires	Front wheel		80/80-16 45P	
	Rear wheel		100/80-16 56P	
Ground clearance (mm)			160	
Perform - ance	Braking distance (m)		4.4 (30km/h)	
	Min. turning radius (m)			2
Engine	Starting system		Starting motor & kick starter	
	Type		OHC air cooled 4-cycle	
	Cylinder arrangement		Single cylinder	
	Combustion chamber type		Semi-sphere	
	Valve arrangement		O.H.C., chain drive	
	Bore x stroke (mm)		57.4 x 57.8	
	Compression ratio		9.2:1	
	Compression pressure (kg/cm ²)		15	
	Max. output (ps/rpm)		10.5/7500	
	Max. torque (kg m/rpm)		1.1/5500	
	Valve timin g	Intake (mm)	Open	7.3
			Close	0
		Exhaust (mm)	Open	6.9
			Close	0
	Valve clearance (cold) (mm)		Intake	0.10
			Exhaust	0.10
	Idle speed (rpm)			1700rpm
	Lubrication System	Lubrication type		Forced pressure & wet sump
		Oil pump type		Inner/outer rotor type
		Oil filter type		Full-flow filtration
		Oil capacity		0.91 liter
		Exchanging capacity		0.81 liter

Fuel System	Air cleaner type & No			Paper element	
	Fuel capacity			6.8 liters	
	Carburetor	Type		VE	
		Piston dia. (mm)		24	
		Venturi dia.(mm)		22.1 equivalent	
		Throttle type		Butterfly type	
Electrical	Ignition System	Type		CDI	
		Ignition timing		15°~28°BTDC/1700r	
		Contact breaker		Non-contact point type	
		Spark plug		NGK C7HSA	
		Spark plug gap		0.6_ 0.7mm	
	Battery	Capacity		12V6AH	
Power Drive System	Clutch	Type		Dry multi-disc clutch	
	Transmission Gear	Type		Non-stage transmission	
		Operation		Automatic centrifugal Type	
	Reduction Gear	Type		Two-stage reduction	
		Reduction ratio	1 st	0.86~2.64	
			2nd	10.98	
Moving Device	Front Axle	Caster angle		25°	
		Trail length			
	Tire pressure (kg/cm_)	Front	1.75		
		Rear	2.00 (2.25)		
	Turning angle	Left	45°		
		Right	45°		
Brake svsystem type			Front	Disk brake	
			Rear	Drum brake	
Damping Device	Suspension type	Front	Telescope		
		Rear	Swing arm		
	Shock absorber type	Front	Telescope		
		Rear	Swing arm		
	Frame type			Steel pipe	

1. GENERAL INFORMATION

SERVICE PRECAUTIONS

- Make sure to install new gaskets, O-rings, circlips, cotter pins, etc. when reassembling.
- When tightening bolts or nuts, begin with larger-diameter to smaller ones at several times, and tighten to the specified torque diagonally.
- Use genuine parts and lubricants.
- When servicing the motorcycle, be sure to use special tools for removal and installation.
- After disassembly, clean removed parts. Lubricate sliding surfaces with engine oil before reassembly.
- Apply or add designated greases and lubricants to the specified lubrication points.
- After reassembly, check all parts for proper tightening and operation.
- When two persons work together, pay attention to the mutual working safety.
- Disconnect the battery negative (-) terminal before operation.
- When using a spanner or other tools, make sure not to damage the motorcycle surface.
- After operation, check all connecting points, fasteners, and lines for proper connection and installation.
- When connecting the battery, the positive (+) terminal must be connected first.
- After connection, apply grease to the battery terminals.
- Terminal caps shall be installed securely.
- If the fuse is burned out, find the cause and repair it. Replace it with a new one according to the specified capacity.
- After operation, terminal caps shall be installed securely.
- When taking out the connector, the lock on the connector shall be released before operation.
- Hold the connector body when connecting or disconnecting it.
- Do not pull the connector wire.
- Check if any connector terminal is bending, protruding or loose.
- The connector shall be inserted completely.
- If the double connector has a lock, lock it at the correct position.
- Check if there is any loose wire.
- Before connecting a terminal, check for damaged terminal cover or loose negative terminal.
- Check the double connector cover for proper coverage and installation.
- Insert the terminal completely.
- Check the terminal cover for proper coverage.
- Do not make the terminal cover opening face up.
- Secure wire harnesses to the frame with their respective wire bands at the designated locations.
Tighten the bands so that only the insulated surfaces contact the wire harnesses.
- After clamping, check each wire to make sure it is secure.
- Do not squeeze wires against the weld or its clamp.
- After clamping, check each harness to make sure that it is not interfering with any moving or sliding parts.
- When fixing the wire harnesses, do not make it contact the parts which will generate high heat.
- Route wire harnesses to avoid sharp edges or corners. Avoid the projected ends of bolts and screws.
- Route wire harnesses passing through the side of bolts and screws. Avoid the projected ends of bolts and screws.

1. GENERAL INFORMATION

- Route harnesses so they are neither pulled tight nor have excessive slack.
- Protect wires and harnesses with electrical tape or tube if they contact a sharp edge or corner.
- When rubber protecting cover is used to protect the wire harnesses, it shall be installed securely.
- Do not break the sheath of wire.
- If a wire or harness is with a broken sheath, repair by wrapping it with protective tape or replace it.
- When installing other parts, do not press or squeeze the wires.
- After routing, check that the wire harnesses are not twisted or kinked.
- Wire harnesses routed along with handlebar should not be pulled tight, have excessive slack or interfere with adjacent or surrounding parts in all steering positions.
- When a testing device is used, make sure to understand the operating methods thoroughly and operate according to the operating instructions.
- Be careful not to drop any parts.
- When rust is found on a terminal, remove the rust with sand paper or equivalent before connecting.
- Do not bend or twist control cables. Damaged control cables will not operate smoothly and may stick or bind.

■ Symbols:

The following symbols represent the servicing methods and cautions included in this service manual.



Engine Oil

: Apply engine oil to the specified points. (Use designated engine oil for lubrication.)



Grease

: Apply grease for lubrication.



Gear Oil

: Transmission Gear Oil (90#)



Special

: Use special tool.



: Caution



: Warning

1. GENERAL INFORMATION

TORQUE VALUES

STANDARD TORQUE VALUES

Item	Torque (kg-m)	Item	Torque (kg-m)
5mm bolt, nut	0.45_ 0.6	5mm screw	0.35_ 0.5
6mm bolt, nut		6mm screw, SH bolt	0.7_ 1.1
8mm bolt, nut	0.8_ 1.2	6mm flange bolt, nut	1.0_ 1.4
10mm bolt, nut	1.8_ 2.5	8mm flange bolt, nut	2.0_ 3.0
12mm bolt, nut	3.0_ 4.0	10mm flange bolt, nut	3.5_ 4.5
	5.0_ 6.0		

Torque specifications listed below are for important fasteners.

ENGINE

Item	Q'ty	Thread dia.(mm)	Torque (kg-m)	Remarks
Cylinder head bolt A	2	8	0.9	Double end bolt
Cylinder head bolt B	4	8	0.9	
Oil filter screen cap	1	30	1.5	
Exhaust muffler joint lock nut	2	8	2.2	Double end bolt
Cylinder head nut	4	8	2.0	Apply oil to threads
Valve adjusting lock nut	2	5	0.9	
Cam chain tensioner slipper bolt	1	6	1.0	
Oil bolt	1	8	1.3	
Clutch outer nut	1	12	5.5	
Clutch drive plate nut	1	12	5.5	
Drive face seal cover bolt	3	4	0.3	
Starter clutch cap bolt	3	6	1.2	
Drive face nut	1	12	5.5	
Spark plug	1	10	1.2	
Starter clutch lock nut	1	22	9.5	Left hand threads
Cam chain tensioner screw	1	6	0.4	

FRAME

Item	Q'ty	Thread dia.(mm)	Torque (kg-m)	Remarks
Steering stem lock nut	1	10	12.0	U-nut
Front axle nut	1	12	6.0	U-nut
Rear axle nut	1	14	12.0	U-nut
Rear shock absorber upper mount bolt	1	10	4.0	
Rear shock absorber lower mount bolt	1	8	2.5	
Speedometer cable set screw	1	5	0.45	
Front shock absorber tube bolt	1	5	0.45	
Front shock absorber upper mount bolt	2	8	0.1	
Front shock absorber lower mount bolt	2	8	1.8	
Front shock absorber hex bolt	1	8	3.0	
Rear shock absorber lower joint lock nut	1	8	3.5	Apply locking agent

1. GENERAL INFORMATION

SPECIAL TOOLS

Tool Name	Tool No.	Remarks	Ref. Page
FLYWHEEL PULLER	E002		14-8
LOCK NUT SOCKET WRENCH	E009		16-7
TAPPET ADJUSTER	E012		3-5
OIL SEAL & BEARING INSTALL	E014		11-4,12-5
FLYWHEEL HOLDER	E017		9-3,14-10
BEARING PULLER	E008		10-4
BEARING PULLER	E018		10-4
BEARING PULLER	E020		10-4
BEARING PULLER	E031		
BUSHING REMOVER	E019		13-0
FLYWHEEL HOLDER	E021		9-3,9-13
LONG SOCKET WRENCH	E022		
CLUTCH SPRING COMPRESSOR	E027		9-8
CRANKSHAFT PROTECTOR	E029		
CRANKSHAF BEARING PULLER	E030		11-0
BUSHING REMOVER	E032		6-0
LONG SOCKET WRENCH	F002		12-5
CUSHION ASSEMBLY & DISASSEMBLE TOOL	F004		13-0
RACE CONE INSTALL	F005		12-16
TOOL BOX	E033		

1. GENERAL INFORMATION

LUBRICATION POINTS

ENGINE

Lubrication Points	Lubricant
Valve guide/valve stem movable part Cam lobes Valve rocker arm friction surface Cam chain Cylinder lock bolt and nut Piston surroundings and piston ring grooves Piston pin surroundings Cylinder inside wall Connecting rod/piston pin hole Connecting rod big end Crankshaft right side oil seal Crankshaft one-way clutch movable part Oil pump drive chain Starter reduction gear engaging part Countershaft gear engaging part Final gear engaging part Bearing movable part O-ring face Oil seal lip	<ul style="list-style-type: none"> •Genuine KYMCO Engine Oil (SAE15W-40) •API SE, SF or SG Engine Oil
Starter idle gear Friction spring movable part/shaft movable part Shaft movable grooved part Starter spindle movable part	High-temperature resistant grease
Starter one-way clutch threads	Thread locking agent
A.C. generator connector Transmission case breather tube	Adhesive

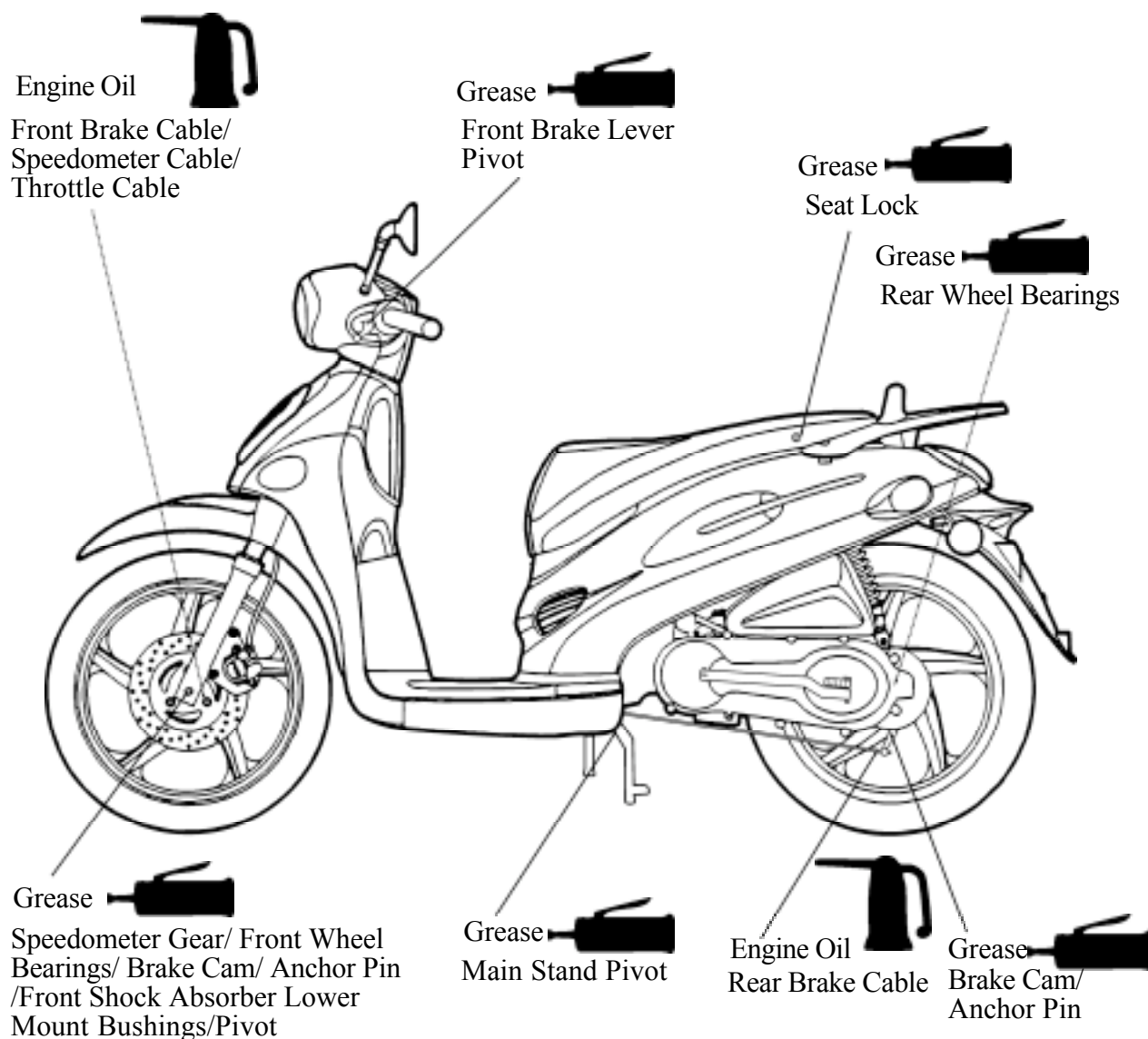
1. GENERAL INFORMATION

FRAME

The following is the lubrication points for the frame.

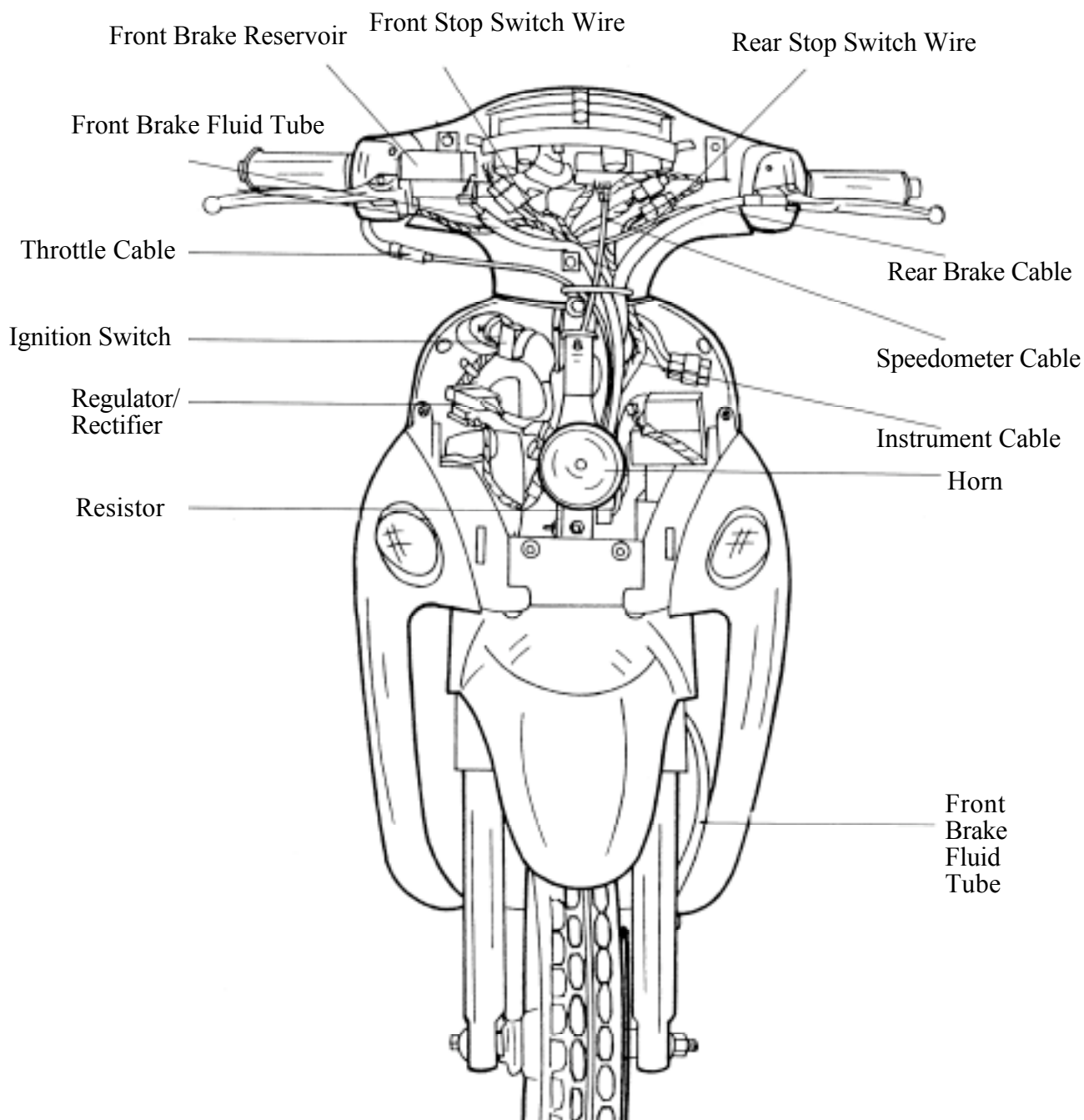
Use general purpose grease for parts not listed.

Apply clean engine oil or grease to cables and movable parts not specified. This will avoid abnormal noise and rise the durability of the motorcycle.

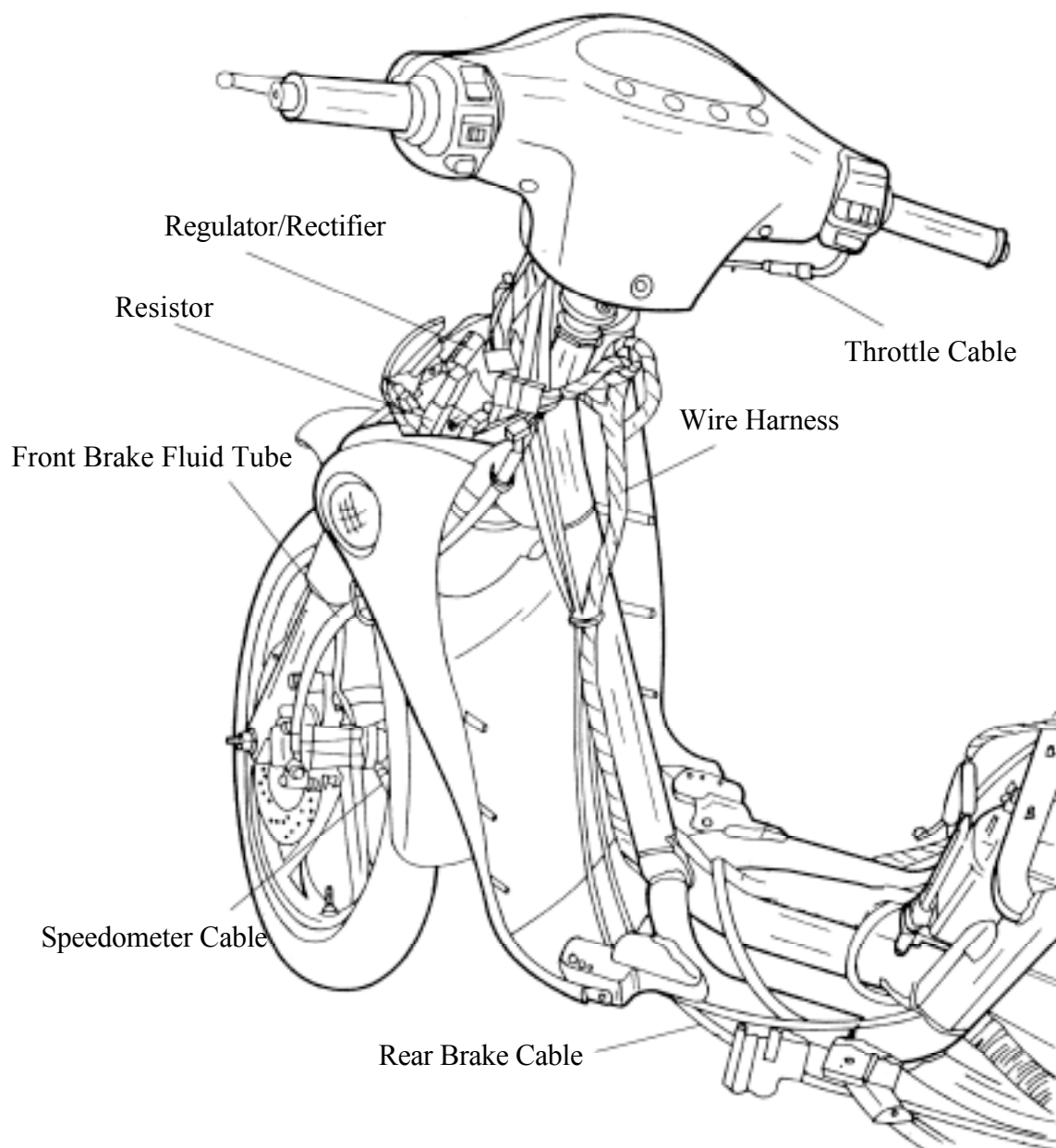


1. GENERAL INFORMATION

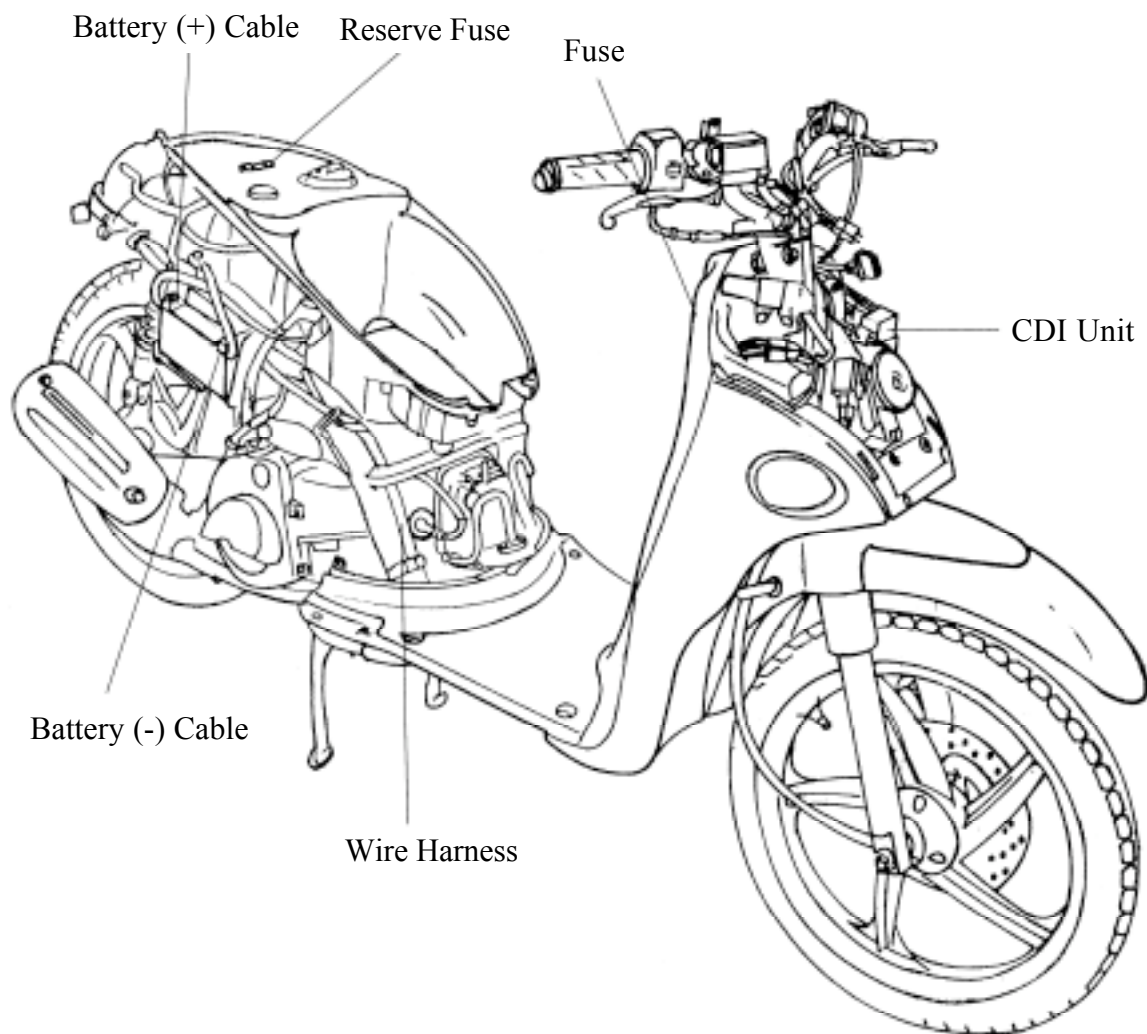
CABLE & HARNESS ROUTING



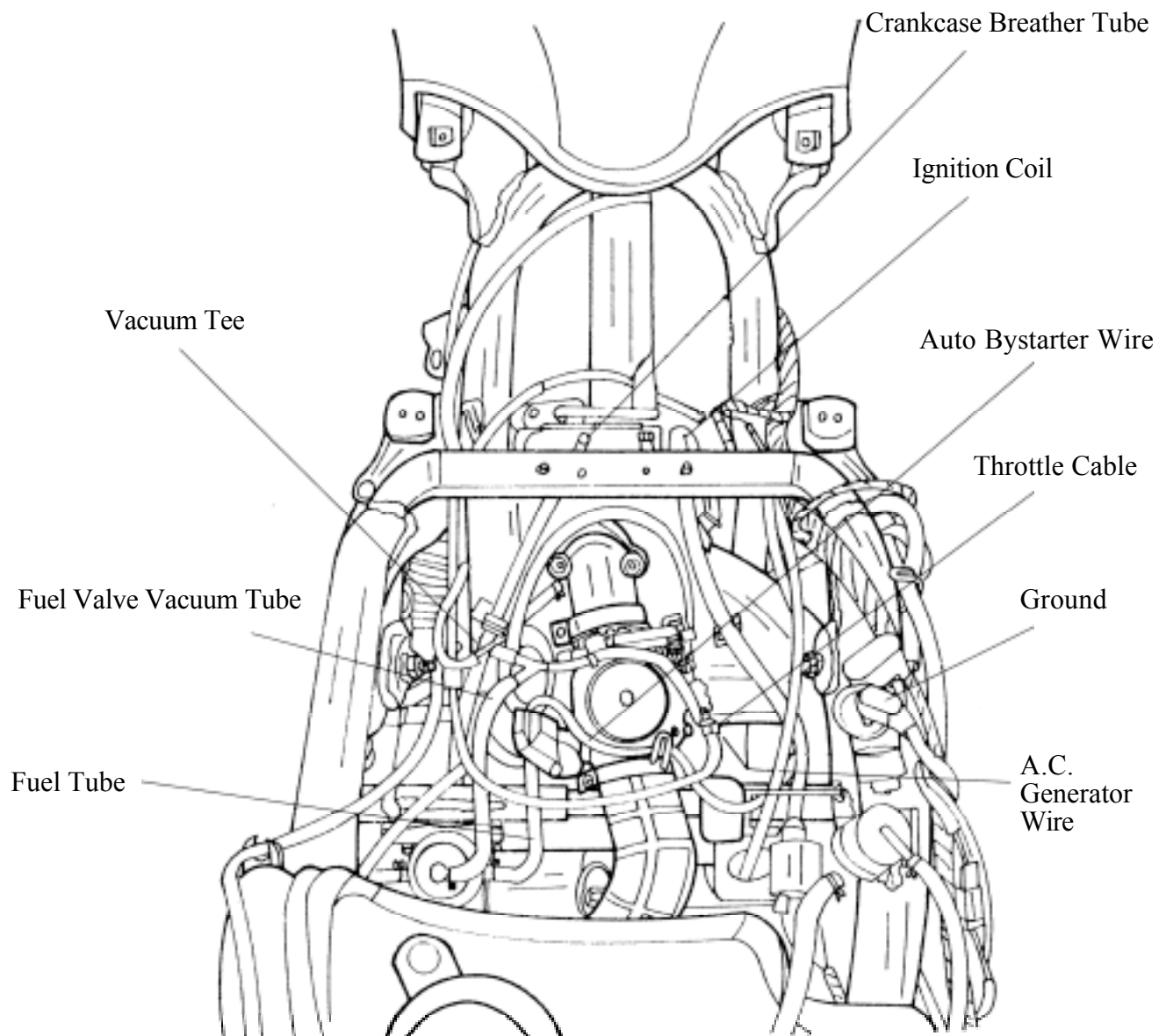
1. GENERAL INFORMATION



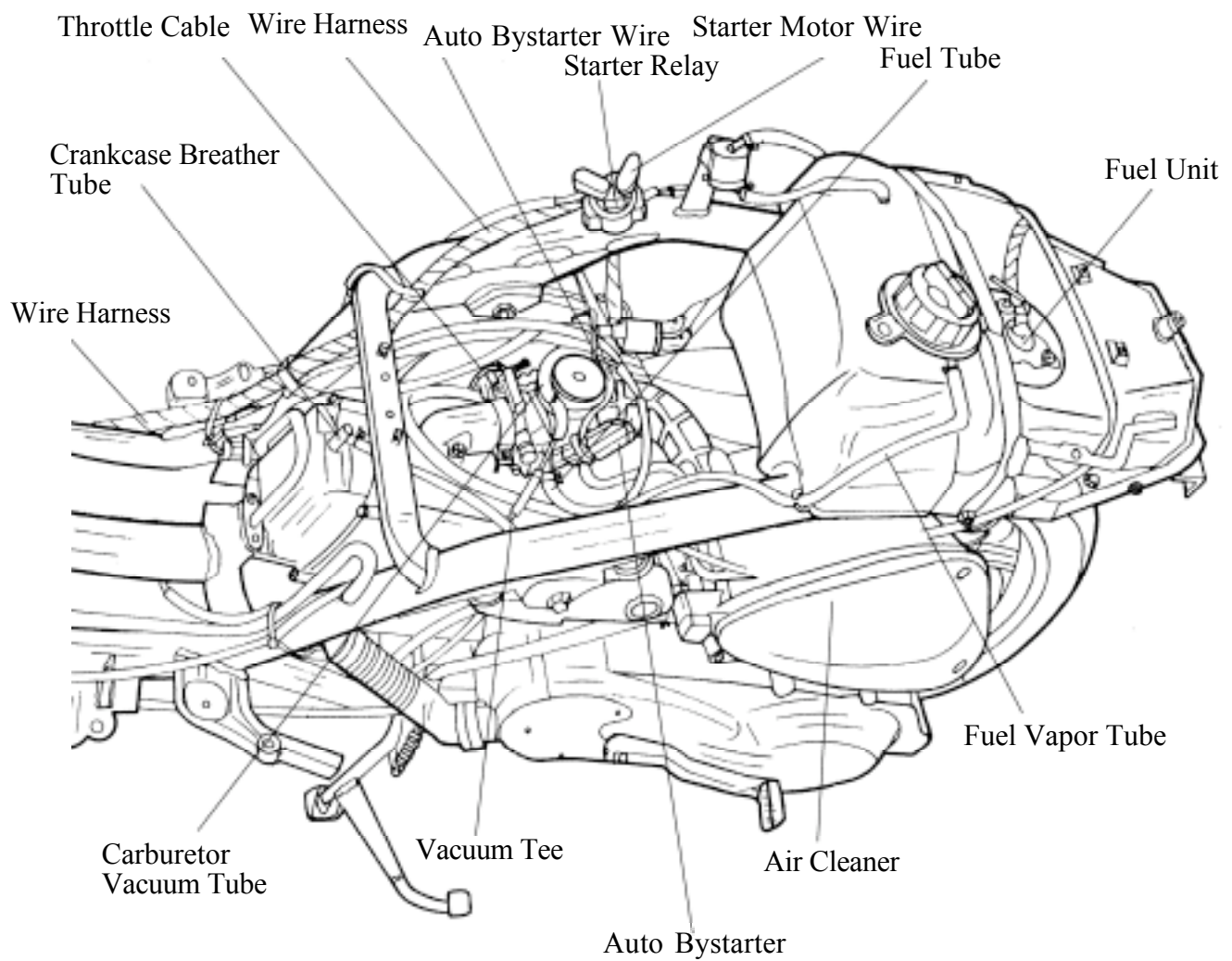
1. GENERAL INFORMATION

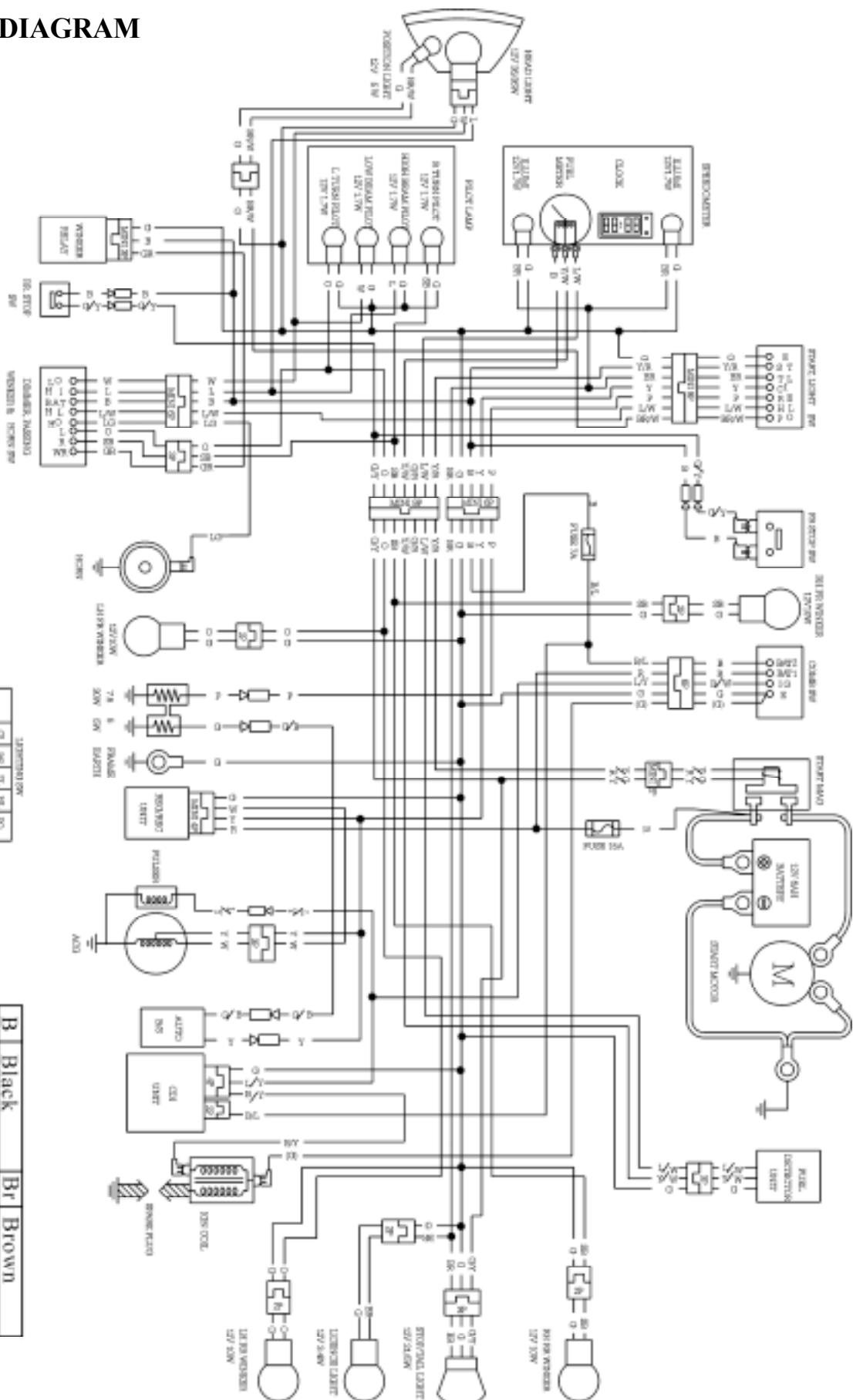


1. GENERAL INFORMATION



1. GENERAL INFORMATION

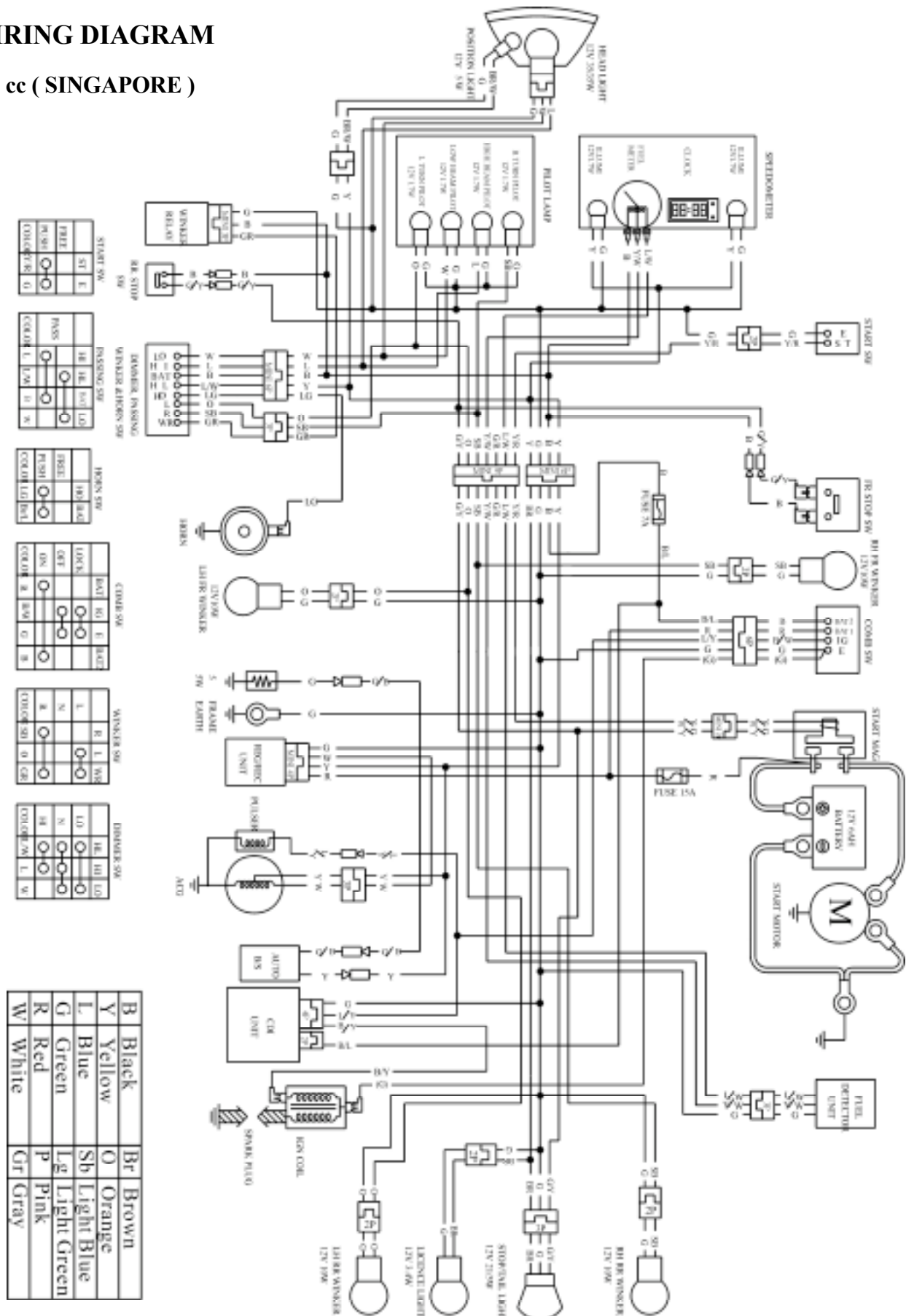




1. GENERAL INFORMATION

WIRING DIAGRAM

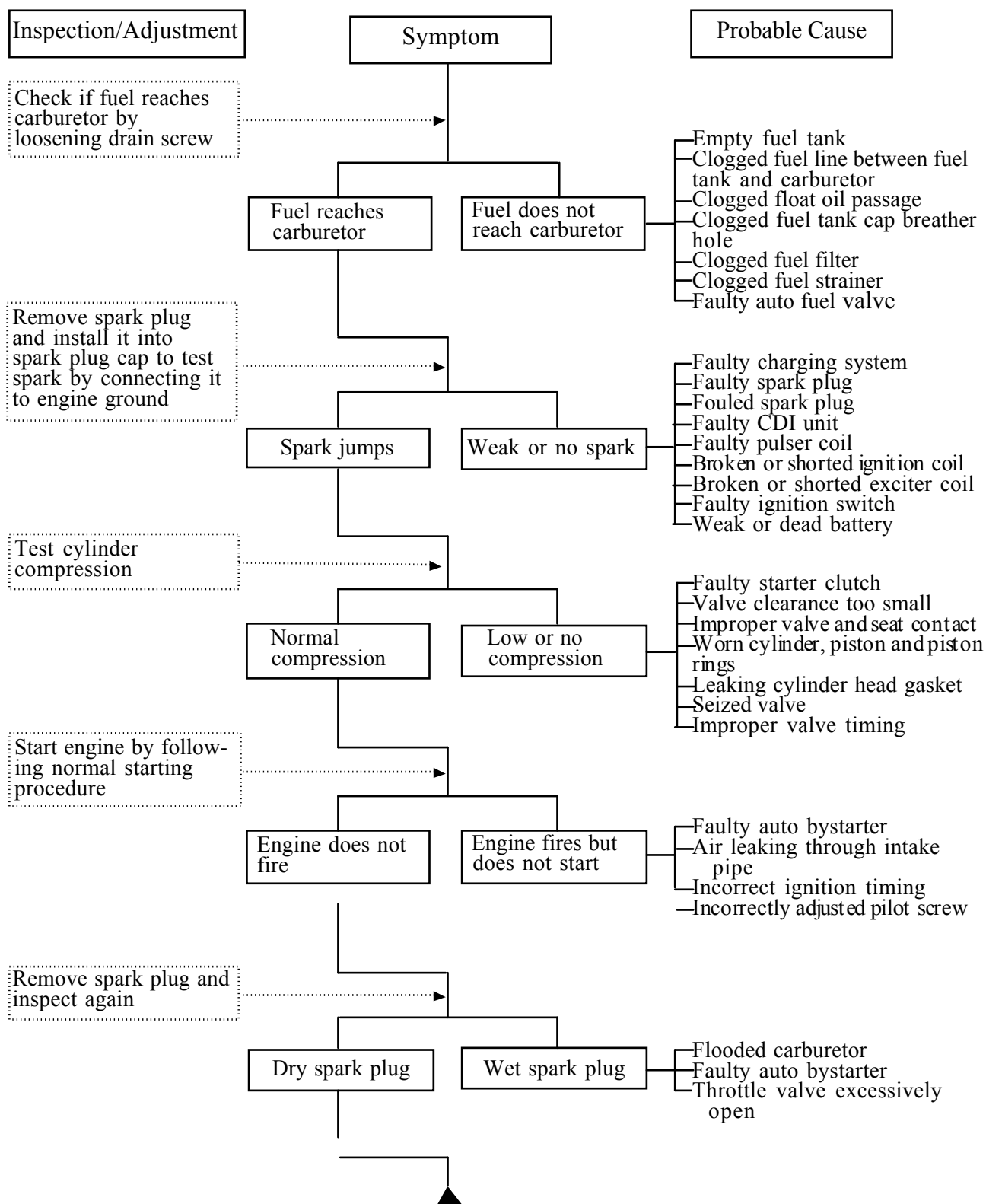
150 cc (SINGAPORE)



1. GENERAL INFORMATION

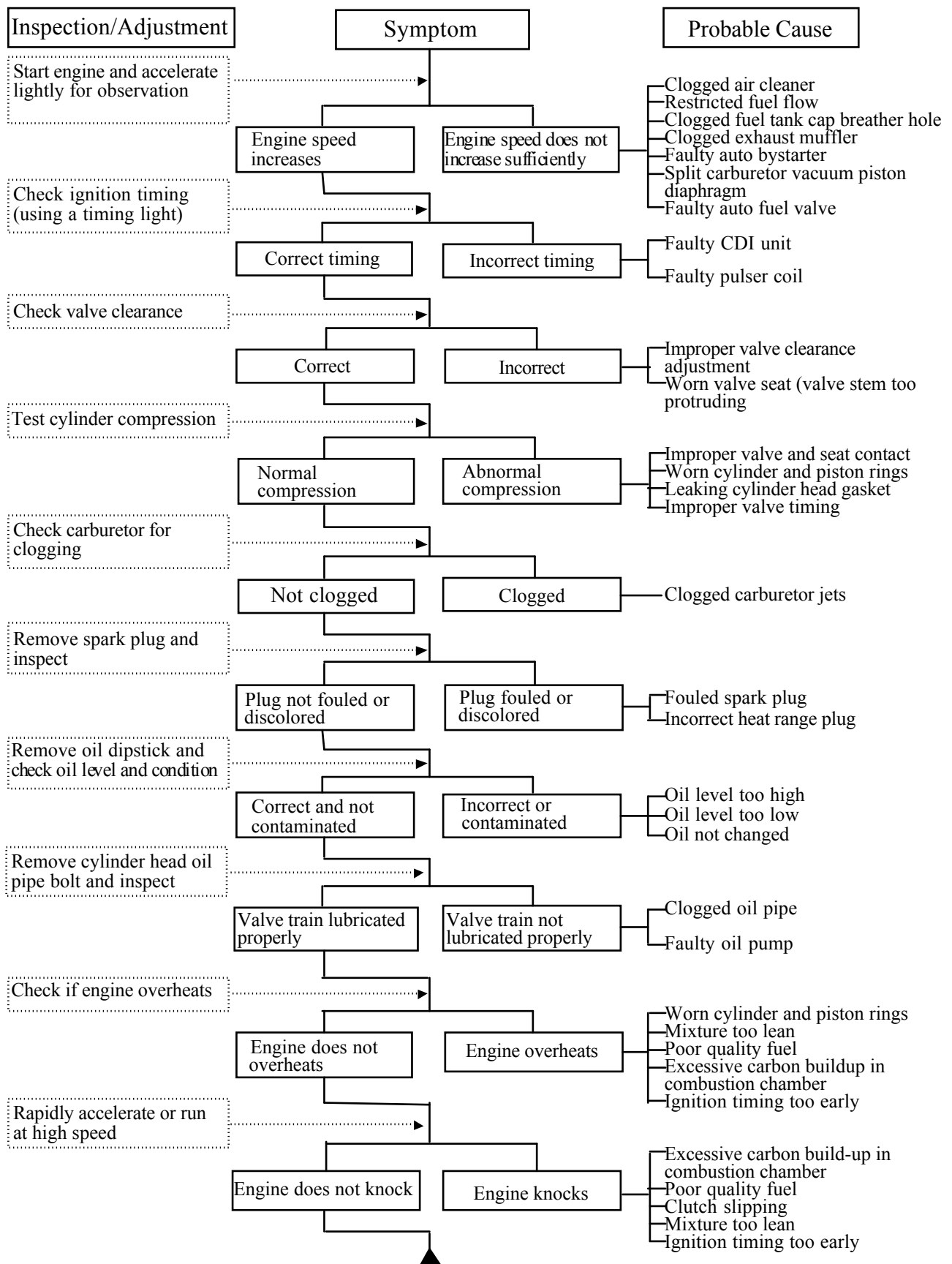
TROUBLESHOOTING

ENGINE WILL NOT START OR IS HARD TO START



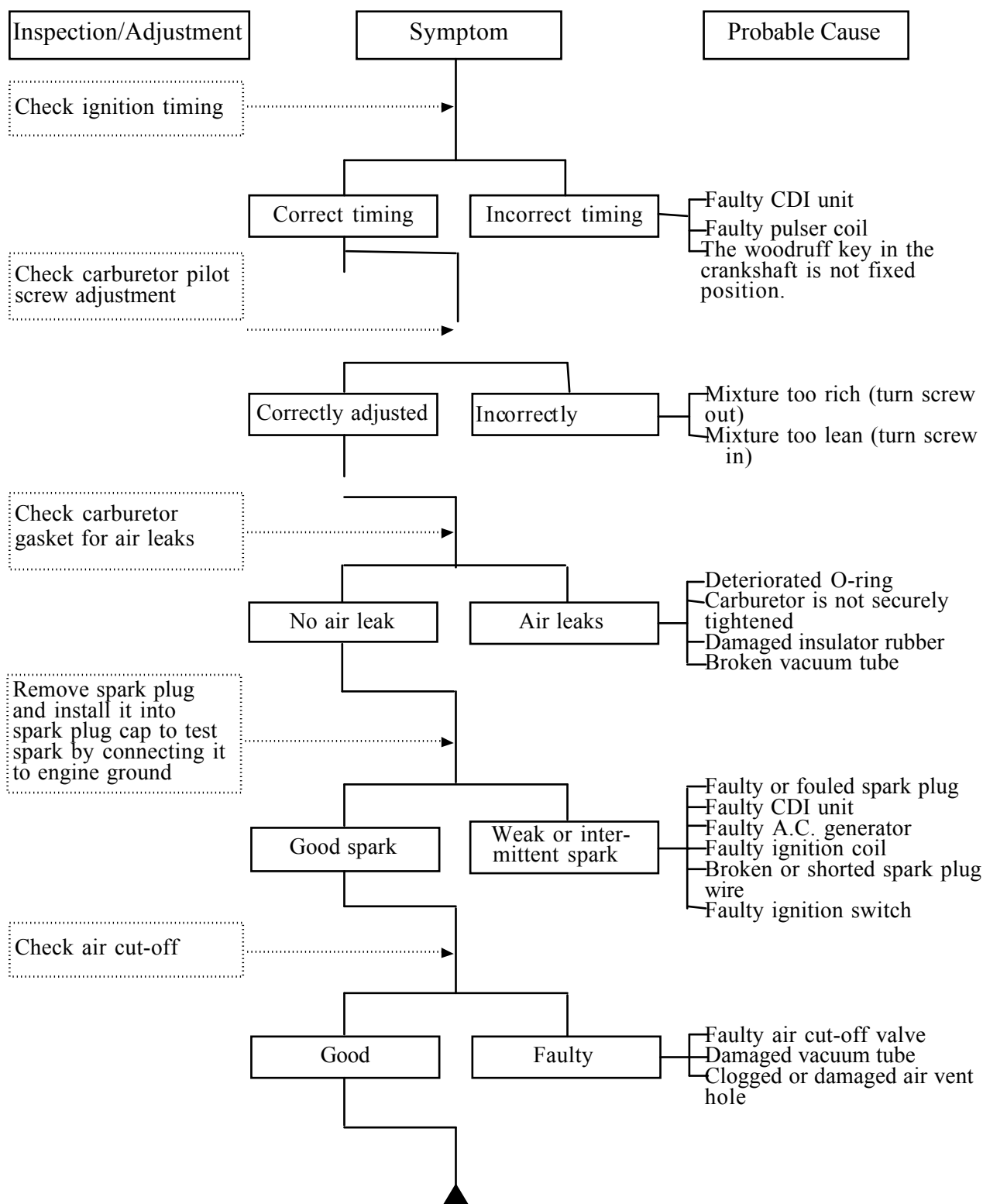
1. GENERAL INFORMATION

ENGINE LACKS POWER



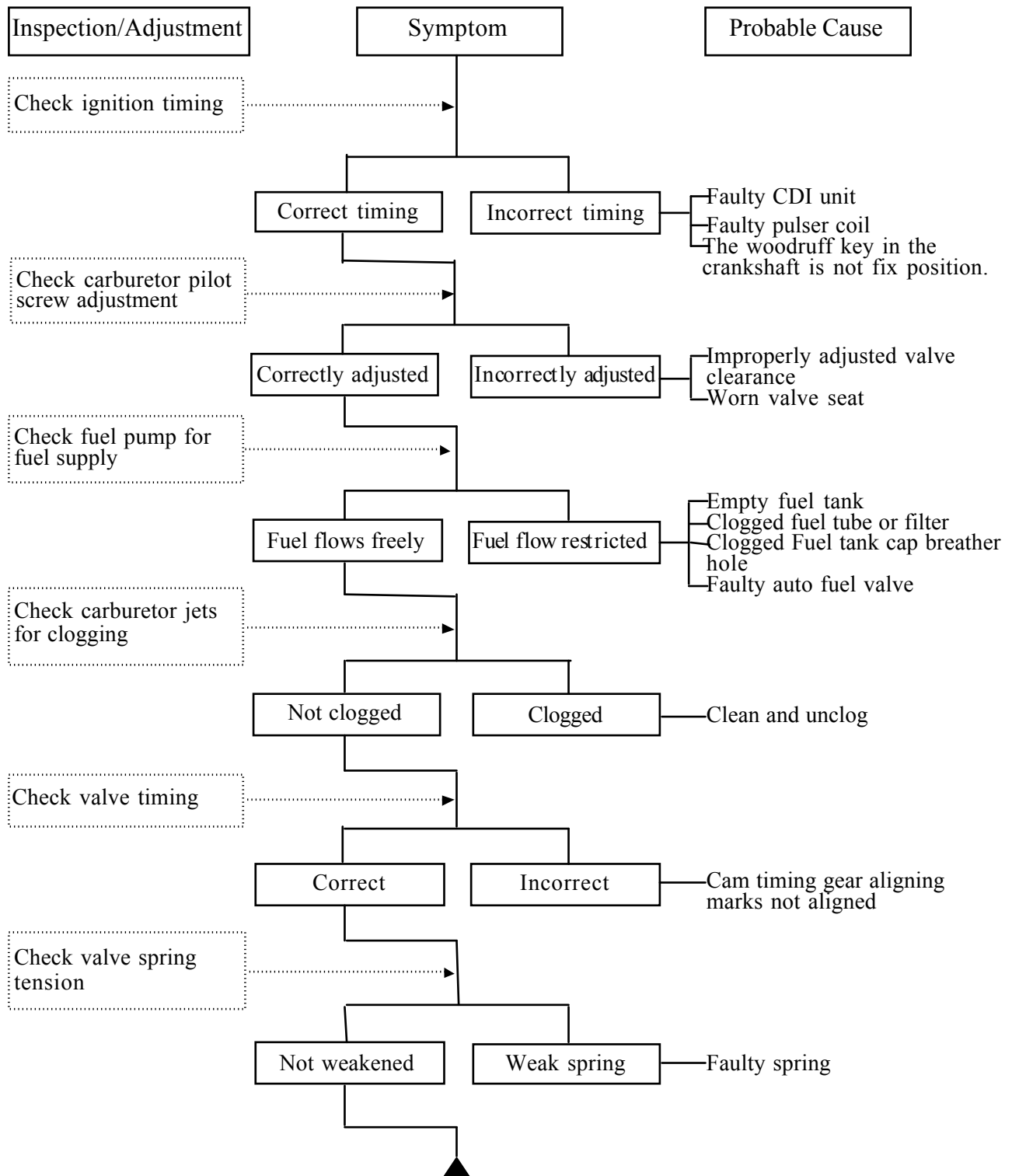
1. GENERAL INFORMATION

POOR PERFORMANCE (ESPECIALLY AT IDLE AND LOW SPEEDS)



1. GENERAL INFORMATION

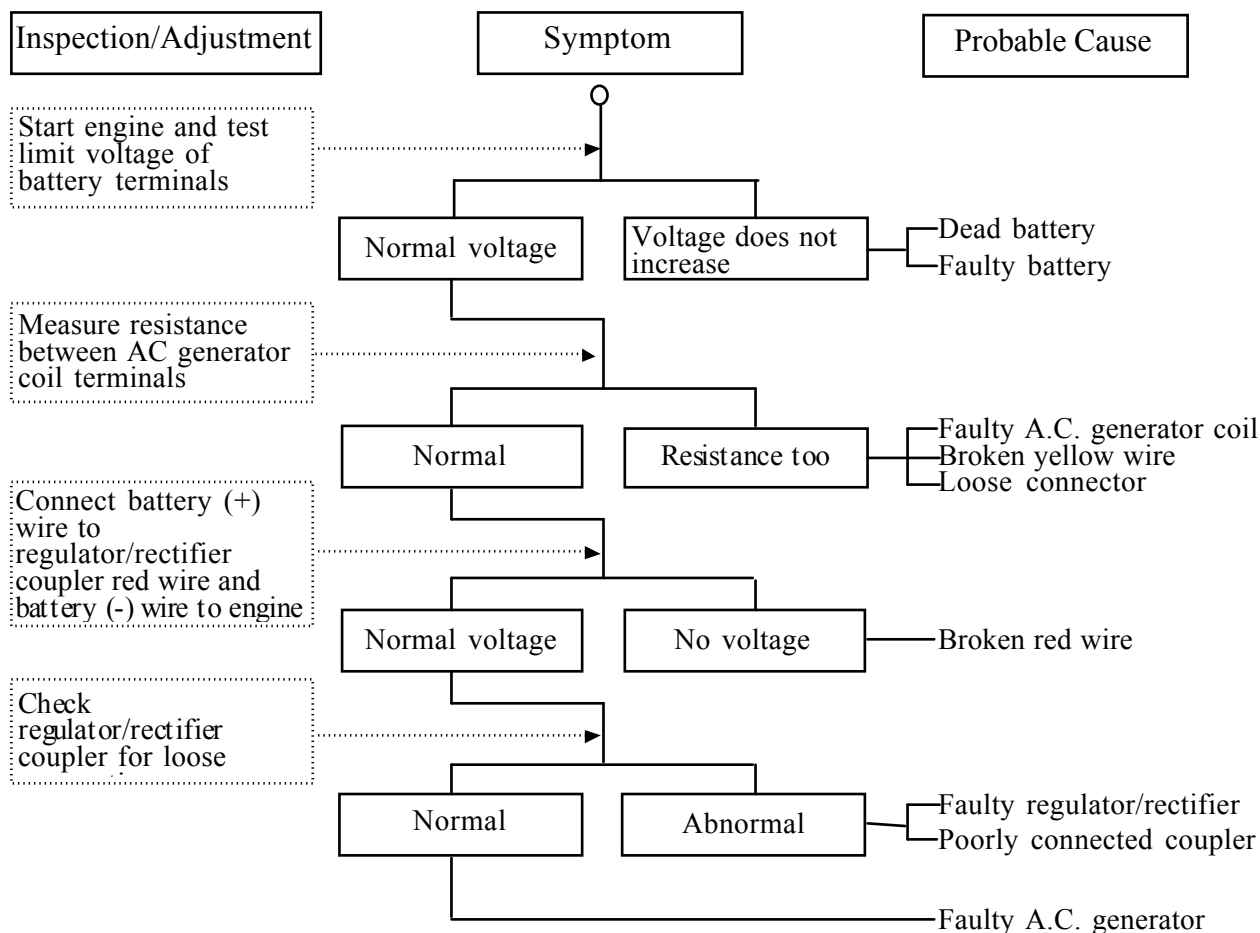
POOR PERFORMANCE (AT HIGH SPEED)



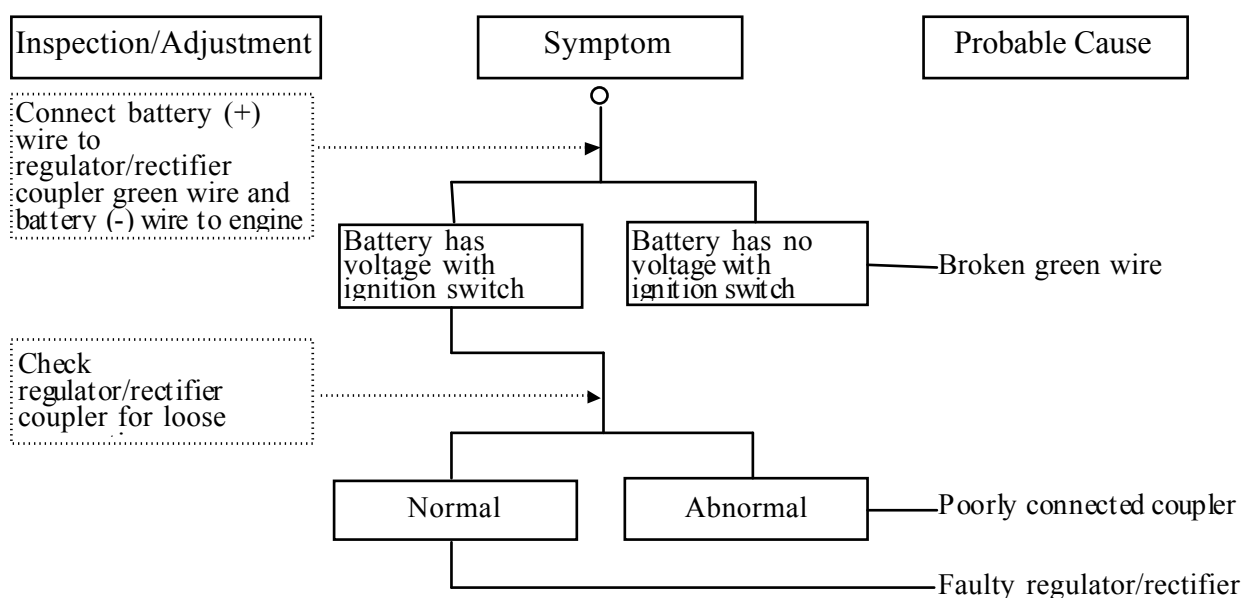
1. GENERAL INFORMATION

POOR CHARGING (BATTERY OVER DISCHARGING OR OVERCHARGING)

Undercharging



Overcharging



1. GENERAL INFORMATION

NO SPARK AT SPARK PLUG

