Dear Customers :

Thank you for purchasing a **Genuine Scooter Company** scooter. The efficiency and longevity of each scooter will depend heavily on the operating method of each user. This owner's manual will provide you with operating instructions, precautions, and general maintenance information required to safely operate and maintain your scooter.Please read the entire manual before operating your scooter. Please be aware of your scooter's engine size and configuration (2-stroke or 4-stroke) while reading this manual. If you have any questions, please ask your dealer for assistance.

CONTENT

Check List before Delivery

Name : Tel : Age : Sex :
Address :
Model : Engine No : VIN No :
Delivery date : Year Month day Dealer :

NO	Check Item	Y	N	NO	Check Item	Y	N
1	Steering of Handle Bar			8	Confirm Engine No & Document		
2	Cap of Brake Lever			9	Owner's Manual		
3	Lights and Horn			10	Operating Method Introduction		
4	Fuel Tank and Fuel Kind			11	Periodic Maintenance introduction		
5	Engine Oil			12	Warranty Introduction		
6	Disk Brake fluid						
7	Tire Pressure						
Staff Signature :				Customer Signature :			

Suggestion :

※ Please Sign both customer & service Staff.

※ Mail this chart to agent, and then the Warranty will be effective.

SCOOTER SAFETY

▲WARNING

Scooter riding requires special afford on your part to ensure your safety.

Know these requirements before you ride:

SAFE RIDING RULES

1. Always make a pre-ride inspection(page 19) and perform any needed adjustments or repairs before you ride the scooter.
2. Many accidents involve inexperienced riders. Most countries require a special scooter riding test or license.

   Make sure you are qualified before your ride.

   NEVER lend your scooter to an inexperienced rider.
3. Many automobile/scooter accidents happen because the automobile driver does not "see" the motorcyclist.

   Make yourself conspicuous to help avoid the accident that wasn't your fault:

   - Wear bright or reflective clothing.
   - Don't ride in another motorist's "blind spot"
4. Obey all national and local laws and regulations.
   - Excessive speed is a factor in many accidents. Obey the speed limits, and NEVER travel faster than conditions warrant.
   - Signal before your make a turn or lane change. Your size and maneuverability can surprise other motorists.

LEFT TURN

RIGHT TURN

5. Don't let other motorists surprise you. Use extra caution at intersections , parking lot entrances and exits, and driveways.
6. Keep both hands on the handlebars and both feet on the floorboards while riding. A passenger should hold on to the scooter or the feet on then passenger foot pegs.
7. Never leave your scooter unattended with the engine running.
8. Moderate your speed when ridding over bumpy roads. Avoid hitting road hazards, such as sharp bumps and holes, in the road surface. These hazards can cause loss of control or structural damage to the vehicle.

PARTS NAME for PM-50/110DN (NAKED) model:

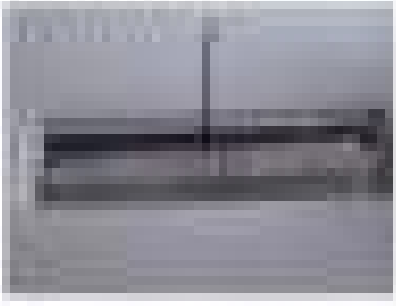
Remarks: The accessory equipments shall according to actual vehicle. Above items are only for function description.

IDENTIFICATION

1. Recognize your vehicle model according to license document or manufacturing document.
2. This manual includes 5 kinds of engine models:
   - PMS-50: abbreviated as "PM-50" is 2 stroke (2T) / 50 C.C engine..
   - PMS-110: abbreviated as "PM-110" is 2 stroke(2T) / 110cc engine.
   - PMX-50: abbreviated as "PM-50" is 2 stroke (2T) / 50 C.C engine.
   - PMX-110: abbreviated as "PM-110" is 2 stroke(2T) / 110cc engine.
   - PM-50 NAKED: abbreviated as "PMS-50DN" is 2 stroke (2T) / 50 C.C engine.
   - PM-110 NAKED: abbreviated as "PMS-110DN" is 2 stroke (2T) / 110 C.C engine.

3. Because this manual is suitable for all PM* serial models, there are many different operations between every model. Once you see a model indication bar appears above the page, for example:

The " **PMS-50DN** " model button lights on, and the lower bar is filled, that means this page is suitable for "**PMS-50DN** ".



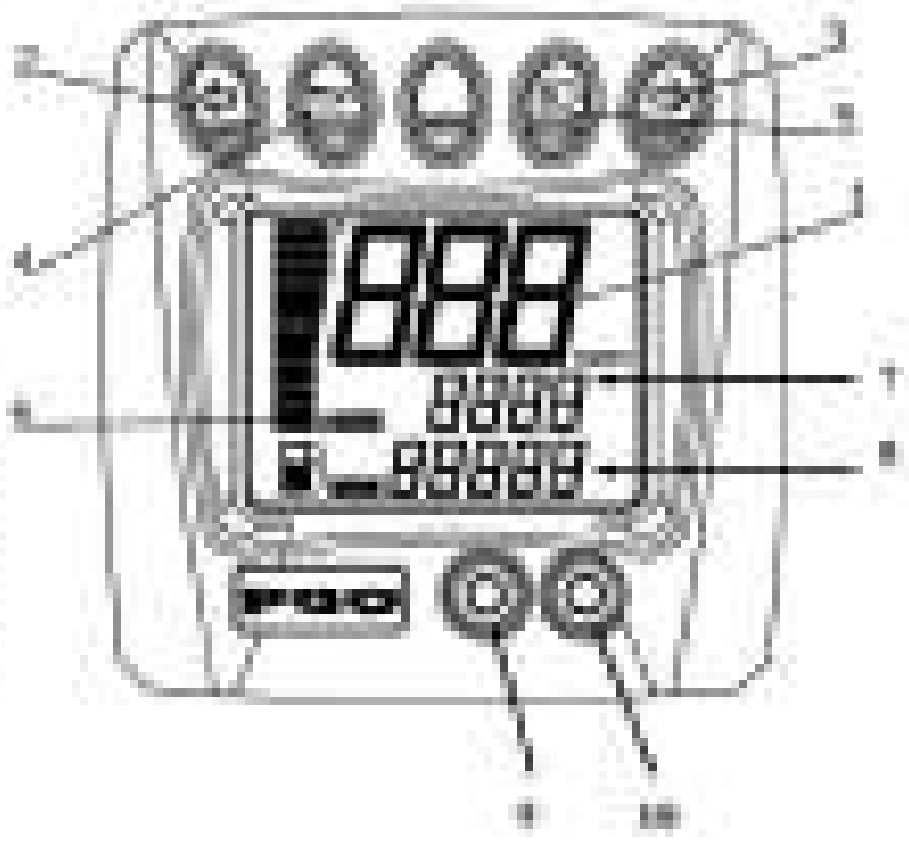
⚠ WARNING

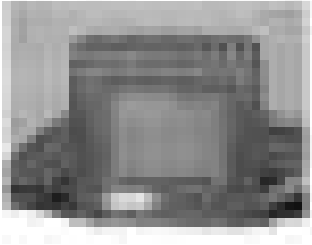
SPEEDOMETER

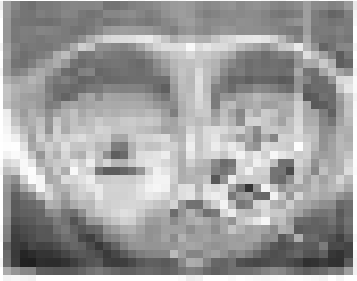
1. [illegible]
2. LEFT TURN LAMP
3. RIGHT TURN LAMP
4. OIL WARNING LAMP

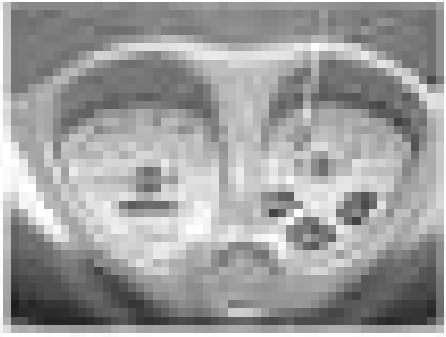
■ IF THE OIL IS NOT ENOUGH, THE LIGHT WILL BE "ON", THEN YOU SHOULD REFILL THE OIL. AFTER THE OIL IS REFILLED, THIS OIL WARNING LIGHT WILL BE OFF.

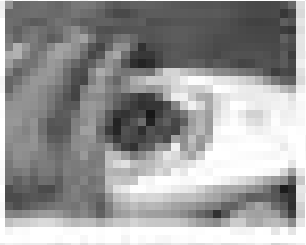
■ [illegible] "ON", THE OIL WARNING LAMP WILL "FLASH" FOR A FEW SECONDS AND LATER IT WILL BE "OFF". IF THE LAMP IS NOT ON, THE BULB MIGHT BE BURNED. PLEASE CHECK THE CIRCUIT SYSTEM OR TAKE IT TO THE DEALERSHIP FOR CHECKING. PLEASE [illegible]

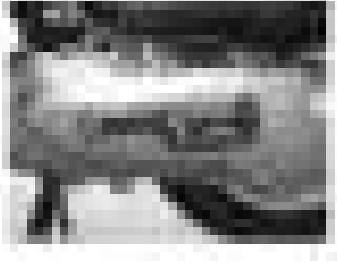


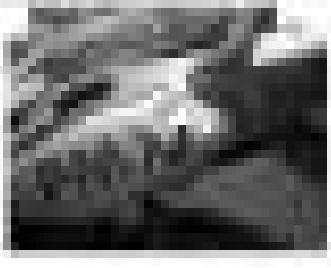






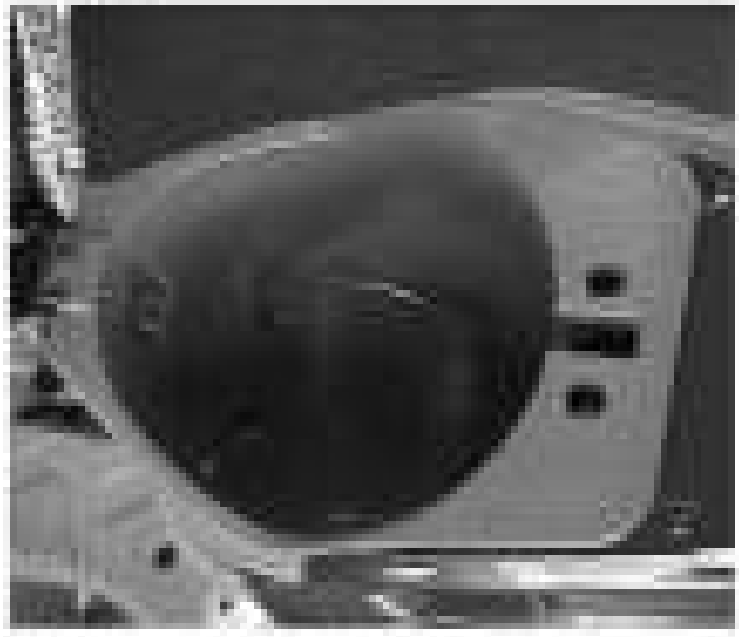






LUGGAGE COMP.

IT LOCATES UNDER THE SEAT. PUT YOUR HELMET UPSIDE DOWN AS THE PICTURE.



NOTE:

1.THE MAX. LOADING WEIGHT IS 5 KGS.

2.WHEN THE OUTSIDE WEATHER IS HOT & ENGINE HAS BEEN OPERATING FOR A LONG TIME, THE LUGGAGE RELEASE DOE DO NOT PUT GOODS WHICH ARE NOT DURABLE FOR HEAT IN THE LUGGAGE COMP.

3.DO NOT PUT IMPORTANT OR FRAGILE GOODS IN IT.

4.WHEN RAINING OR WASHING THE SCOOTER, IT MAY BECOME WET. PLEASE USE WATER-PROOF MATERIAL TO COVER IT.

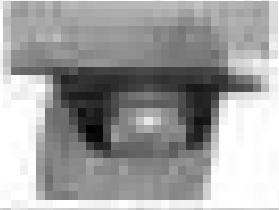
LOCK

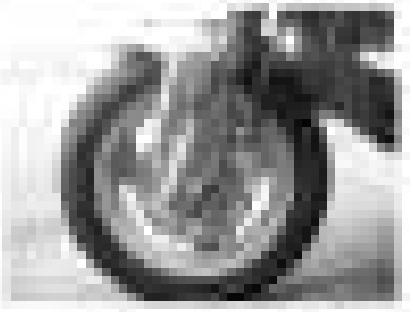
LOCK OR UNLOCK THE COVER WHEN LEAVING THE SCOOTER.

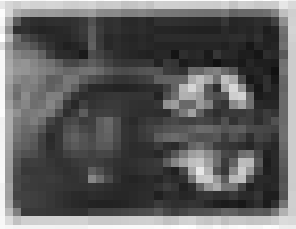
INSPECTION BEFORE RIDING:

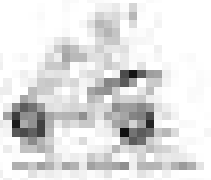
PLEASE DO THE INSPECTION AS FOLLOWS BEFORE RIDING:

ITEM	PROCEDURE	PAGE
FRONT BRAKE	CHECK THE BRAKE FUNCTION, CLEARANCE, BRAKE OIL LEVEL, SEE IF IT'S LEAKING. IF NECESSARY, MAY REFILL PHYSS DOT 3 OR SAEJ1703 BRAKE OIL.	16
REAR BRAKE	CHECK THE BRAKE FUNCTION AND CLEARANCE. MAKE ADJUSTMENT IF NECESSARY.	16
THROTTLE GRIP	CHECK IF IT IS SMOOTHE PUT SOME LUBRICANT & MAKE ADJUSTMENT IF NECESSARY.	23
LUBRICANT	ADJUSTMENTS IF NECESSARY. CHECK THE OIL LEVEL ACCORDING TO THE NEED, REFILL OIL.	23
TIRE	CHECK THE PRESSURE THE WORN-OUT SITUATION.	24
CONTROLLER GAUGE CABLE	CHECK IF SMOOTH OPERATION. ADD LUBRICANT IF NECESSARY.	-
CENTRAL STAND	CHECK IF SMOOTH, ADD LUBRICANT IF NECESSARY.	-
ASSEMBLY FASTEN FITS	CHECK ALL THE ASSEMBLING PARTS' FIXING & ADJUSTING IF NECESSARY.	-
FUEL TANK	CHECK THE FUEL LEVEL, REFILL UP IF NECESSARY.	17
LAMPS/SIGNAL LIGHTS	CHECK IF IT IS OPERATING AT GOOD CONDITION.	27









LAMPS & SIGNAL LINGHTS:

CHECK THE FRONT, SIGNAL-REAR, BRAKE, GAUGE LAMP AND ALL OTHER INDICATOR LIGHTS, TO ASSURE IF THEY ARE WORKING WELL.

NOTE:

1.TANK CAPACITY: 5.1 Liter

2.DO NOT OVER-FILL UP THE GASOLINE

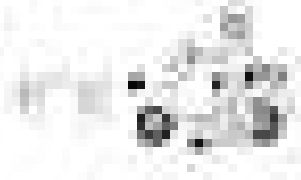
(DON'T OVER THE NECK LINE)OTHER- WISE IT WILL BE SPILLING OUT DUE TO THE HOT TEMPERATURE.

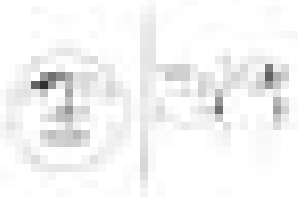
3.DO NOT SPILL OUT THE GASOLINE ON THE MUFFLER.

SWITCHES:

CHECK THE SWITCH OF HEAD LAMP, SIGNAL, BRAKE LAMPS, HORN AND START BUTTON ETC. ALL THE SWITCHES AND MAIN SWITCHES SHOULD BE IN WORKING SITUATION.

FUEL (GASOLINE): MAKE SURE THERE'S ENOUGH FUEL IN THE TANK.





ENGINE INTIAL RUN-IN

MILEAGE FROM 1 TO 1,000 MELES IS THE MOST IMPORTANT KERIOD FOR THE SCOOTER'S SUSTAINING LIFE. THE NEW ENGINE CAN'T AFFORD TOO MUCH LOADING DURING THE FIRST 1,000 MILES. EACH PART OF THE ENGINE WILL BE RUN-IN TO OBTAIN THE CORRECT CLEARANCE. IN THIS PERIOD, AVOID PROLONGING THE COMPLETE THROTTLING OUT OR ANY OPERATION WHICH MAY CAUSE HIGH TEMPERATURE IN THE ENGINE. PLEASE READ CAREFULLY THE ENGINE. PLEASE READ CAREFULLY THE FOLLOWING INFORMATION:

1. 0~130 MILES

AVOID OVER 1/2 THROTTLING OPERATION.COOL DOWN THE ENGINE 5-10 MIN./PER HOUR.CHANGING THE SPEED.DO NOT CONTINUE AT THE SAME SPEED FOR TOO LONG.)

2. 130~500 MILES

AVOID OVER 1/2 THROTTLING LONG OPERATION.

3. 500~1,000 MILES

AVOID OVER 3/4 THROTTLING OPERATION.

NOTE: CHANGE GEAR OIL AFTER 300 MILES.

4. ABOVE 1,000 MILES

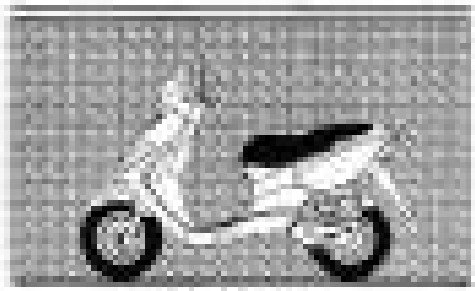
AVOID THROTTLING OUT TOTALLY IN A LONG PERIOD OPERATION.

NOTE: IF THERE IS ANY PROBLEM DURING THE INITIAL RUN-IN PERIOD, PLEASE CONTACT YOUR DEALERS.

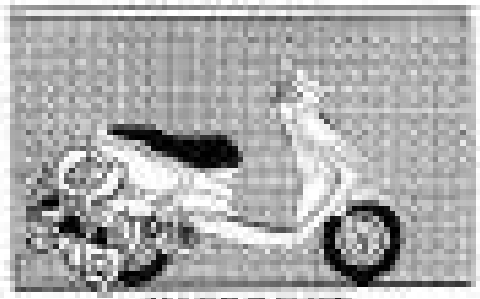
PARKING:

TURN OFF THE ENGINE AND PULL OUT THE KEY WHEN PARKING THE SCOOTER.

NOTE: BECAUSE THE MUFFLER IS VERY HOT (AFTER RIDING), PLEASE PARK YOUR SCOOTER FAR FROM THE CHILD & PEDESTRIANS TO AVOID THEM TOUCHING IT. DO NOT PARK YOUR SCOOTER ON A SLOPE OR SOFT GROUND TO AVOID FALLING DOWN.



CORRECT



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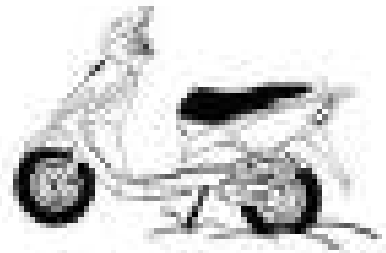


INCORRECT

PERIODICAL MAINTENANCE AND CONCISE REPAIRING:

TO SECURE THE MOST SAFE AND EFFECTIVE PERFORMANCE, PLEASE CHECK, ADJUST AND LUBRICATE YOUR SCOOTER PERIODICALLY. "SAFETY CONSIDERATION" SHOULD BE EVERY RIDER'S PRIORITY AND MAINTENANCE TABLE SHOULD BE AN IMPORTANT GUIDE FOR CONCISE REPAIRING MEANWHILE, PLEASE PAY ATTENTION TO THE ENVIRONMENT, CLIMATE, ORIOGRAPHY AND RIDING CONDITION TO SET UP A PROPER MAINTENANCE INTERVAL.

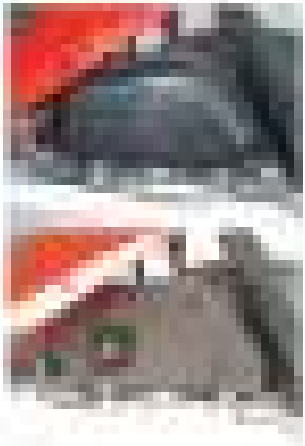
NOTE:

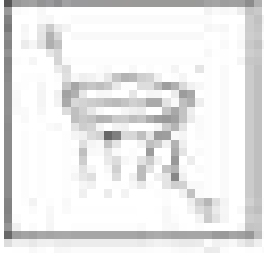
THIS SCOOTER IS DESIGNED TO BE RIDING ON NORMAL PAVED ROAD. IF UNDER A DIRT AND WET CONDITION, PLEASE CLEAN THE AIR-FILTER FREQUENTLY OTHERWISE THE ENGINE WILL BE WORN-OUT QUICKLY. IF YOU ARE NOT FAMILIAR WITH THE INSPECTION AND PRECAUTION, PLEASE CONTACT YOUR DEALERS.

MAINTENANCE TABLE (A: CHECKING & ADJUSTING, C: CLEANING, R: REPLACING, T: TIGHTENING)

In order to be safe, keep good efficiency, and reduce pollution, please do the maintenance at certain period of **time.**

ITEM	DRIVING MILES																Items to Be Done before riding
	200		2000		4000		8000		10000		12000		14000		16000		
Spark plug	Clean it once per 2,000miles or change a new one																
Decarbonizing					C				C				C				
Transmission belt					A				A				A				
Ignition timing					A				A				A				
Air cleaner			C		C		C		C		C		C		C		
Carburetor	A		A		A		A		A		A		A		A		
Idle(rpm)	TUNING TO 1400±100rpm																
Emission	A		A		A		A		A		A		A		A		
Fuel filter					C				C				C				
Oil filter					C				C				C				
Oil volume	REFILL THE RECOMMENDED OIL ONCE THE "WARNING LAMP" IS ON																
Clean oil	R				R				R				R				
Pressure of tyre	A		A		A		A		A		A		A		A		A
Tyre	CHANGE A NEW ONE ONCE WEARING OUT																A
Brake lever	A		A		A		A		A		A		A		A		A
Brake fluid oil	KEEP THE LIQUID SURFACE BETWEEN HIGH AND LOW																A
Brake lining	CHECKING FOR A/SWABLES AND CHANGE A NEW ONE IF NECESSARY																
Screws and nuts	T		T		T		T		T	T	T		T		T		
Pipes	A		C		C		C		C	C	C		C		C		
Lights & horn	A		A		A		A		A	A	A		A		A		A





Power Socket Outlets

Sockets marked for Arduino and Breadboard projects. Each socket delivers 5 volts DC power from the Arduino board via the breadboard power rails.

1. Locate a free socket and connect its red (+) wire to the positive rail and its black (−) wire to the negative rail.
2. Measure the voltage between the rails with a multimeter before powering any load.

Caution: Do not exceed the rated current of the socket. Overloading may cause the wires to overheat and damage the insulation.

Circuit Protection Devices

Fig. 1 Fuse holder and fuse

Each socket is protected by a fuse mounted in the fuse holder on the breadboard. The fuse rating must match the socket rating. Use only fuses of the correct type and rating.

1. Before replacing a fuse, switch off the power supply and disconnect the mains lead from the socket.
2. Remove the blown fuse by pulling the fuse holder cap outward. Fit a new fuse of the same rating and close the cap firmly.
3. If the new fuse blows immediately, do not replace it again. Check the circuit for a short circuit or overload before applying power.

3. REFILL THE SAME KIND OF BRAKE OIL, MIXING OF DIFFERENT OIL & TYPES WILL YIELD A BAD CHEMICAL REACTION AND CAUSE THE BRAKE OUT OF ORDER.
4. TO AVOID THE WATER GETTING INTO THE MAIN CYLINDER, OTHERWISE THE BOILING TEMPERATURE OF THE BRAKE OIL WILL BE DECLINING AND MAKE THE AIR BE OBSTRUCTED.
5. BRAKE OIL COULD DAMAGE THE PAINT SURFACE AND PLASTIC PARTS. IF ANY OIL IS SPILLED OUT, PLEASE CLEAN IT IMMEDIATELY.
6. IF THE BRAKE OIL CAN'T BE REFILLED TO THE STANDARD LEVEL, PLEASE CHECK WITH YOUR DEALERS.

FRONT FORK CHECKING:

NOTE: IN ORDER TO AVOID FALLING DOWN, PLEASE UPHOLD THE SCOOTER SAFELY.

1.CHECKING BY EYES-CHECK IF THE INNER PIPE IS SCRATCHED, BROKEN, OR LEAKING.

2.OPERATING CHECK:PUT THE SCOOTER IN A FLAIN SURFACE.

(a)HOLD THE HANDLE AND KEEP THE SCOOTER IN VERTICAL POSITION, THEN HOLD THE FRONT BRAKE LEVER.

(b)MOVE UP & DOWN THE FRONT FORK FOR A COUPLE OF TIMES.

NOTE: IF FOUND THE FRONT FORK IS NOT SMOOTH OR BROKEN, PLEASE CONTACT WITH YOUR DEALER.

FUNCTION CHECK

SPECIFICATION LIST

TYPE	PMS-50DN	PMS-110DN
DIMENSION:		
OVERALL LENGTH	1667 mm	1667 mm
OVERALL WIDTH	780 mm	780 mm
OVERALL HEIGHT	1125 mm	1125 mm
WHEELBASE	1173 mm	1173 mm
DRY WEIGHT	92 kg	92 kg
ENGINE:		
TYPE	Two stroke, forced air cooling	Two stroke, forced air cooling
MODEL NO.	P2	P0
CYLINDER ARRAY	SINGLE	SINGLE
PISTON DISPLACEMENT	49.0 cc	106.2 cc
START SYSTEM	ELECTRIC AND KICK	ELECTRIC AND KICK
LUBRICATION SYSTEM	SEPARATE	SEPARATE
LUBRICANT	Recommend two stroke oil (FC class)	Recommend two stroke oil (FC class)
CAPACITY	1.1 Liter	1.1 Liter
GEAR OIL:		
MODEL	API SAE 140	API SAE 140
CAPACITY	110 cc	110 cc
REPLACEMENT VOLUME	90 cc	90 cc

SPECIFICATION LIST

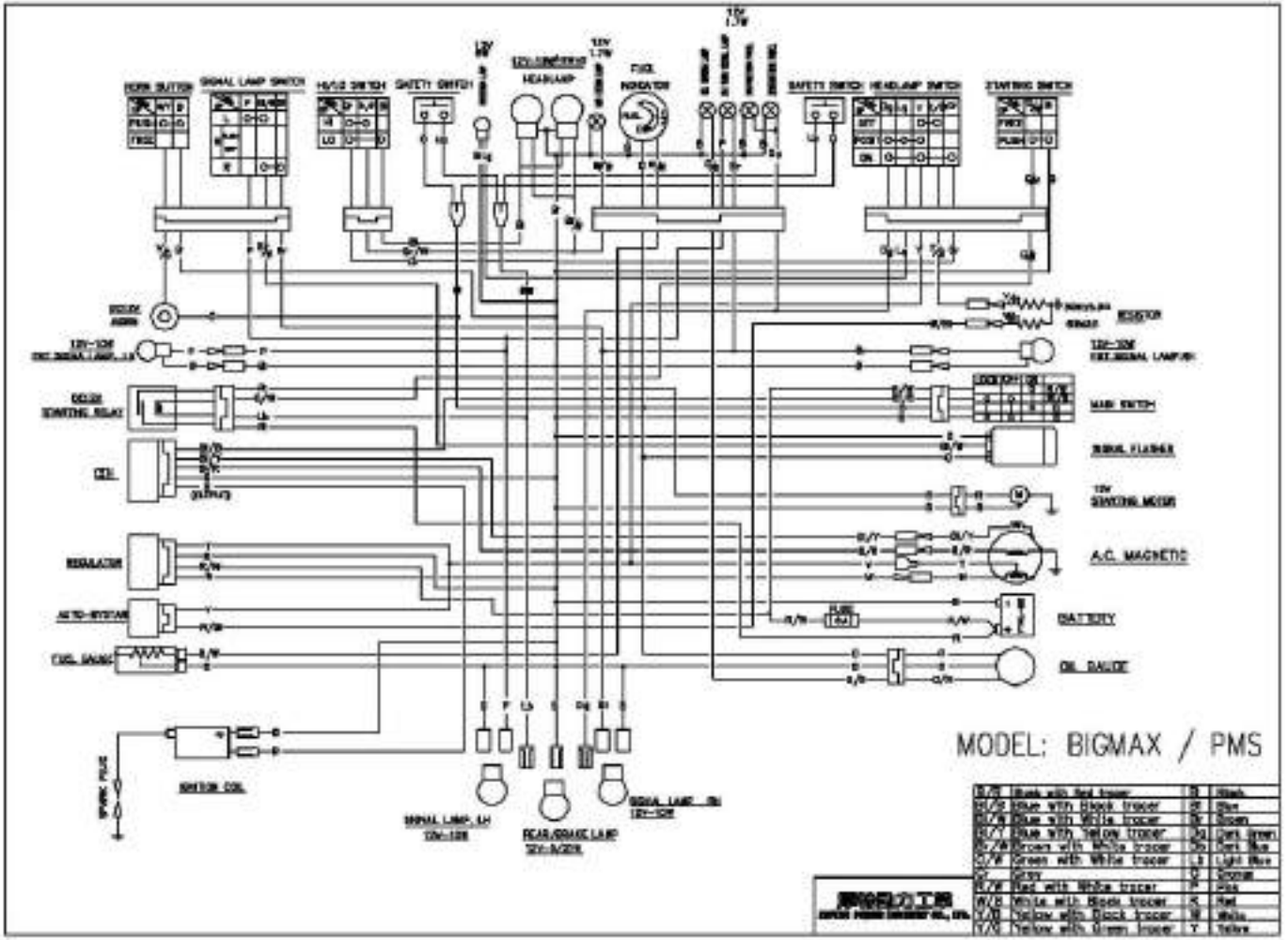
TYPE	PMS-50DN	PMS-110DN
AIR CLEANER	DRY PAPER FILTER	DRY PAPER FILTER
FUEL: GASOLINE CAPACITY OF TANK	UNLEADED 5.1 Liter	UNLEADED 5.1 Liter
SPARK PLUG	BP7HS(NGK) OR BPR7HS(NGK) REGULATION	BP7HS(NGK) OR BPR7HS(NGK) REGULATION
CLUTCH TYPE	DRY TYPE	DRY TYPE
GEAR SHIFT TYPE	AUTOMATIC(V BELT)	AUTOMATIC(V BELT)
TIRE SIZE (FRONT) (REAR)	120/70-12 130/90-10	120/70-12 130/90-10
ELECTRIC SYSTEM IGNITION SYSTEM GENERATOR SYSTEM BATTERY TYPE CAPACITY OF BATTERY	 CDI FLYWHEEL MAGNET ELECTRIC YT7(4L-BS 12V-3AH	 CDI FLYWHEEL MAGNET ELECTRIC YTX5L-BS 12V-4AH
BULB VOLT/QUANTITY HEAD LAMP/LAMP TYPE REAR LAMP/STOP LAMP SIGNAL LAMP	 12V-35W/35W×1 12V-21/5W 12V-21W×4	 12V-60W/55W×1 12V-21/5W 12V-21W×4

SPECIFICATION LIST

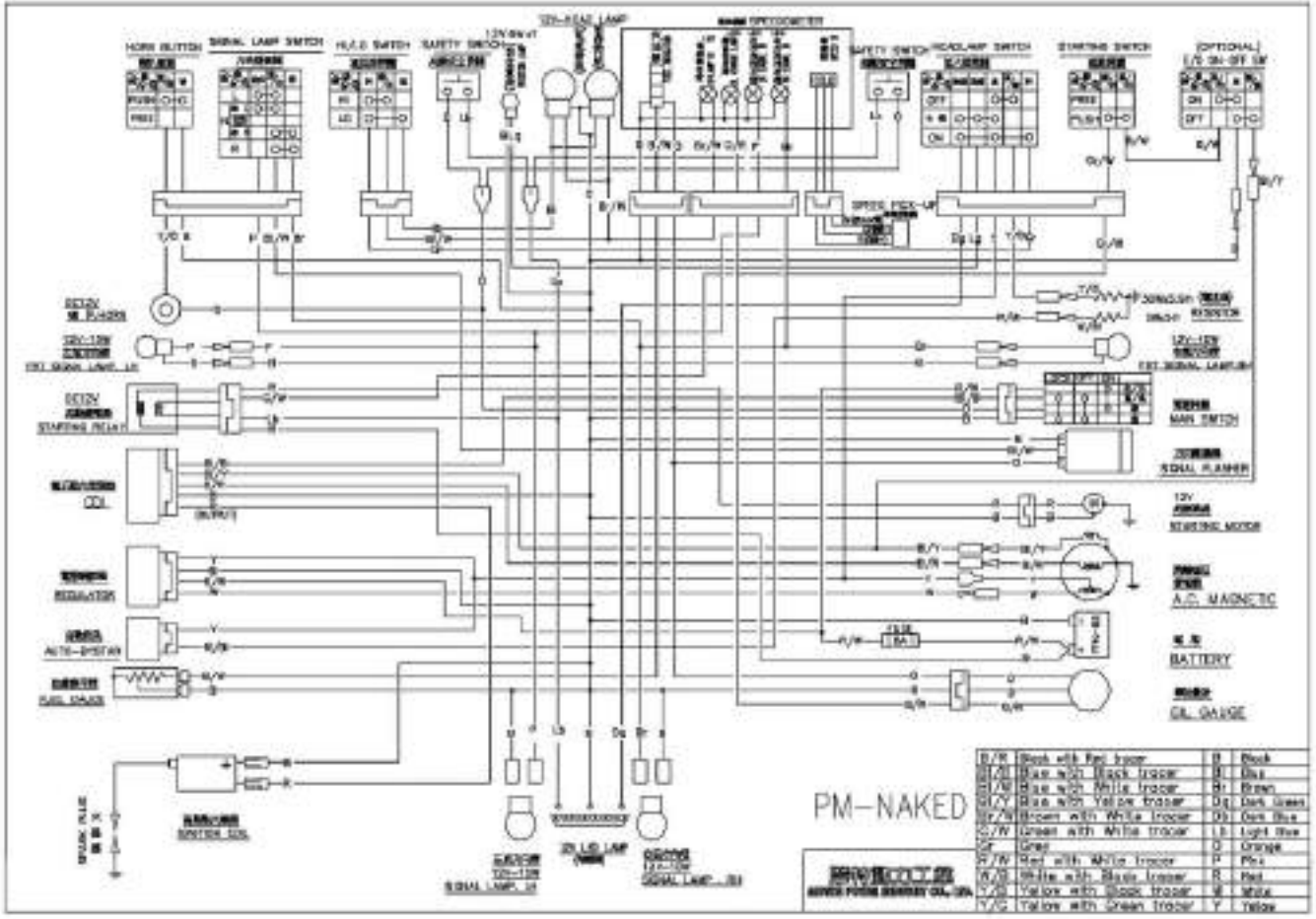
TYPE	PM*-50	PM*-110
DIMENSION:		
OVERALL LENGTH	1807 mm	1807 mm
OVERALL WIDTH	637 mm	637 mm
OVERALL HEIGHT	1116 mm	1116 mm
WHEEBASE	1173 mm	1173 mm
DRY WEIGHT	87 kg	89 kg
ENGINE:		
TYPE	Two stroke, forced air cooling	Two stroke, forced air cooling
MODEL NO.	P2	P9
CYLINDER ARRAY	SINGLE	SINGLE
PISTON DISPLACEMENT	49.0 cc	106.2 cc
START SYSTEM	ELECTRIC AND KICK	ELECTRIC AND KICK
LUBRICATION SYSTEM	SEPARATE	SEPARATE
LUBRICANT	Recommend two stroke oil (FC class)	Recommend two stroke oil (FC class)
CAPACITY	1.1 Liter	1.1 Liter
GEAR OIL:		
MODEL	API SAE 140	API SAE 140
CAPACITY	110 cc	110 cc
REPLACEMENT VOLUME	90 cc	90 cc

SPECIFICATION LIST

TYPE	PMP-50	PMP-110
AIR CLEANER	DRY PAPER FILTER	DRY PAPER FILTER
FUEL : GASOLINE CAPACITY OF TANK	UNLEADED 5.1 Liter	UNLEADED 5.1 Liter
SPARK PLUG	BP7HS(NGK) OR BPR7HS(NGK) REGULATION	BP7HS(NGK) OR BPR7HS(NGK) REGULATION
CLUTCH TYPE	DRY TYPE	DRY TYPE
GEAR SHIFT TYPE	AUTOMATIC(V BELT)	AUTOMATIC(V BELT)
TIRE SIZE (FRONT) (REAR)	120/70-12 130/70-12	120/70-12 130/70-12
ELECTRIC SYSTEM IGNITION SYSTEM GENERATOR SYSTEM BATTERY TYPE CAPACITY OF BATTERY	CDI FLYWHEEL MAGNET ELECTRIC YTX4L-BS 12V-3AH	CDI FLYWHEEL MAGNET ELECTRIC YTX5L-BS 12V-4AH
BULB VOLT/QUANTITY HEAD LAMP LAMP TYPE REAR LAMP/STOP LAMP SIGNAL LAMP	12V-18W/18W×2 12V- 5W/21W×1 12V- 10W×4	12V-18W/18W×2 12V- 5W/21W×1 12V- 10W×4



B/R	Black with Red tracer	R	Red
Bl/G	Blue with Black tracer	Bl	Blue
Bl/W	Blue with White tracer	Br	Brown
Bl/Y	Blue with Yellow tracer	Dg	Dark green
Br/W	Brown with White tracer	Db	Dark Blue
G/W	Green with White tracer	Lb	Light Blue
Gr	Grey	O	Orange
R/W	Red with White tracer	P	Pink
W/B	White with Black tracer	V	Red
Y/B	Yellow with Black tracer	W	White
Y/G	Yellow with Green tracer	Y	Yellow



B/R	Black with Red tracer	B	Black
Bl/B	Blue with Black tracer	Bl	Blue
Bl/W	Blue with White tracer	Br	Brown
Bl/Y	Blue with Yellow tracer	Dg	Dark Green
Br/W	Brown with White tracer	Db	Dark Blue
G/W	Green with White tracer	Lb	Light Blue
Gr	Grey	O	Orange
R/W	Red with White tracer	P	Pink
W/B	White with Black tracer	R	Red
Y/B	Yellow with Black tracer	W	White
Y/G	Yellow with Green tracer	Y	Yellow

Plan mile	Actual mile	Date	Dealer Sign.	Plan mile	Actual mile	Date	Dealer Sign.
200				10,000			
1,000				11,000			
2,000				12,000			
3,000				13,000			
4,000				14,000			
5,000				15,000			
6,000				16,000			
7,000				17,000			
8,000				18,000			
9,000				19,000			

* Please decrease maintenance period when often driving in dusty areas.
* Copy the blank table to use when odometers is over the above table planned.