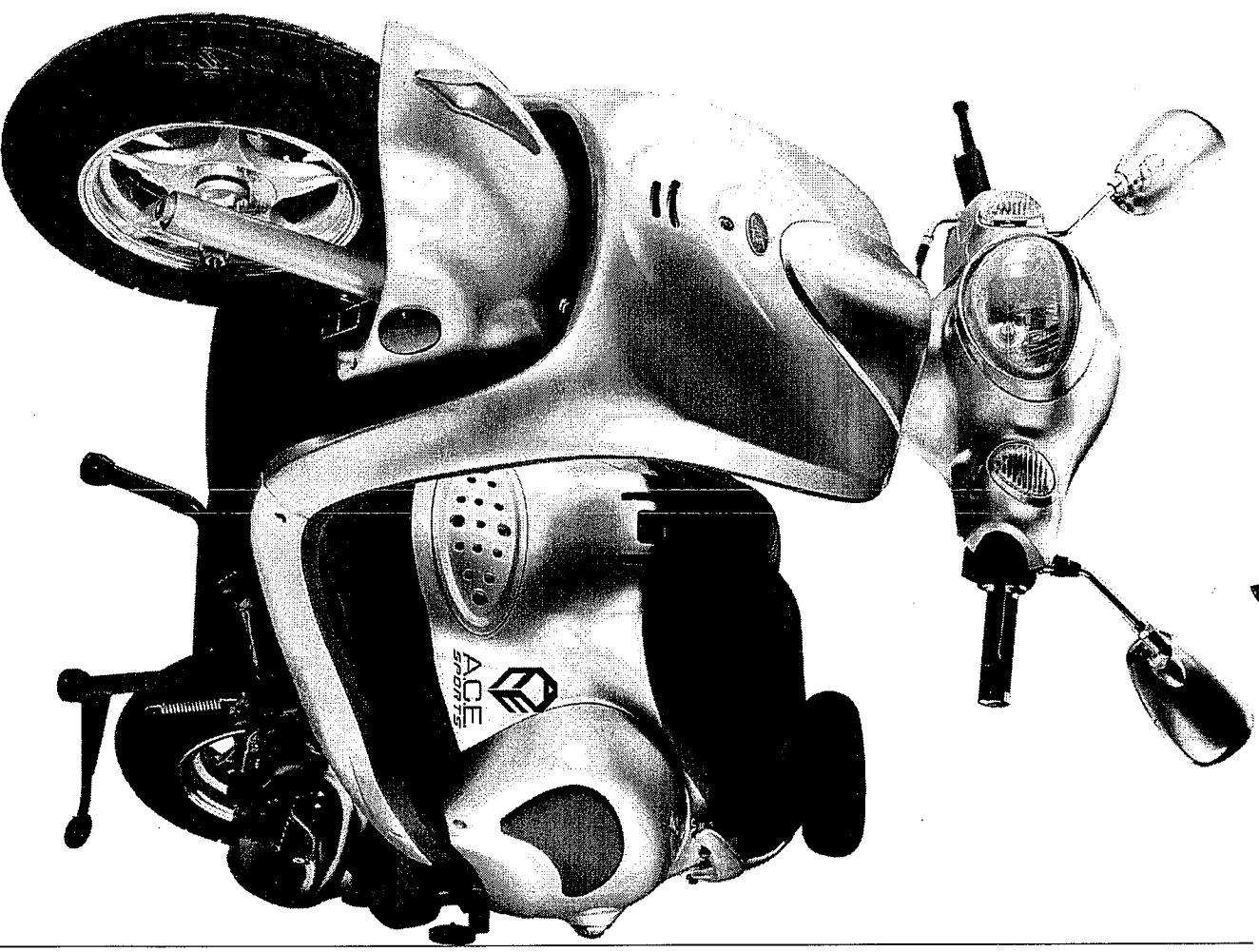


Retro Scooter Owners & Safety Manual

50 cc Model #1521
150 cc Model #1522



**ACE
SPORTS**
acesportsonline.com



*** Always Practice Safe Operation - Always Wear A Helmet ***

Rev. 0508

A.C.E. Sports Power Sports Warranty Information



1-866-816-5060

Warranty Protect provides Manufacturers and Distributors in North America with world-class warranty servicing and underwriting. WP builds customized warranty programs and web-interfaces for its customers, utilizing 24/7 x 365 day call center coverage across nearly 1,000 agents in 22 locations. Recent call center awards include: 2006 – Contact Center World's Best in the World Award for Best Technology Innovation; 2004 - One of Inc 500 fastest growing companies; 2003 - Member's Choice Award for best outsourcing services; and 2002 – Users Choice Award's Best-In-Class winner.

WP's customized claim servicing and service provider locator allow our customers to offer warranty services to the consumer in a seamless manner. In addition, Warranty Protect has the ability to tow any on-road Power Sports unit to the service facility through its own roadside assistance dispatch system in the US, Canada and Puerto Rico.

The Warranty Group's proprietary approach to administering service plans delivers benchmark satisfaction – for your customers and your balance sheet. With trained product experts and systematic trend analysis, claims are adjudicated quickly utilizing innovative technology.

Warranty Protect adds value through:

Peace of mind– no out of pocket expense to the consumer for repair costs on covered items.

Convenience– we provide pick-up and delivery of the disabled vehicle (50 mile limit) to one of our local professional network technicians through our national towing network or if you prefer you may deliver it in person.

Technology - by utilizing state-of-the-art technology to assure service exceeds customer expectations.

Limited Warranty Coverage - 6 months (180 days) from date of purchase WP coverage includes parts, labor and roadside assistance, if needed, for your registered A.C.E. Sports product. This is a zero deductible plan that insures you the best service after the sale.

Items Not Covered – Wearable parts such as tires, belts, hoses, bulbs, sprockets, chains, clutches; throttle cable, brake cable, seat, fasteners, air filters, brake pads, oil changes & any item that has been abused, neglected OR used in a manner for which it is not designed. Modifications to your product that are not A.C.E. Sports approved will void the warranty. Defective parts are subject to recall by Warranty Protect and / or A.C.E. Sports upon failure and are required to be held by the service center until the warranty claim is settled. *Our go karts, atv's & buggies are designed for off-road use only.*

How To Register My Product – Complete the warranty registration form and fax to 1-888-562-8223 or mail to: Warranty Protect Registration 239 County Road 4435 Brundidge, AL 36010. Product must be registered within 10 days of purchase.

It is the little things that matter most when operating a top level Warranty Program. When dealing with Warranty Protect you can rest assured we are always looking to provide the best service possible to the customer! As our slogan says: "Providing the Peace of Mind You Expect!" *A.C.E. Sports is the ONLY manufacturer to provide such a great plan!*

Warranty Protect Service Center Locator – to locate a Warranty Protect Service Center for your A.C.E. Sports power sports product, please call 1-866-816-5060 to speak to a Warranty Protect representative or view http://www.warrantyprotect.com/dealer_database/dealer-locator.asp

A.C.E. Sports, LLC 239 County Road 4435 Brundidge, AL 36010 – info@acesportsonline.com



CUSTOMER SAFETY INFORMATION AND WARRANTY REGISTRATION FORM

Warranty registration must be filed with A.C.E. SPORTS within 10 days of purchase or warranty will be void.

In order to validate the warranty, purchaser agrees and promises to hold A.C.E. Sports and the Dealer harmless and indemnify them from all claims and demands or causes of action which may arise or be asserted against them arising or allegedly arising from any claim related to the delivery of the Vehicle or its use by the Purchaser or any third parties, including all attorney fees and legal costs whether or not any claim or assertion is deemed or found to be valid or not. All parties agree and stipulate that any legal proceedings, which relate to or arise out of this transaction, shall be brought only in a federal or state court located in the County of Pike, State of Alabama.

This form and Owner's Manual contains vital safety information. A.C.E. Sports asks that you review the warnings and verify that you have read and understood each warning by placing your initials on the line beside it.

I understand that I must: (please initial beside each number)

- _____ 1. **Always read the Owner's Manual carefully**, follow the operating procedures described in the Owner's Manual and pay special attention to the warnings contained in the manual and on all labels.
- _____ 2. **It Is Recommended** that no one under the age of 16 operate the Vehicle.
- _____ 3. **Never** allow any operation of the Vehicle before reading the Owner's Manual.
- _____ 4. **Never** allow more than one operator and one passenger to ride on the Vehicle.
- _____ 5. **Never** operate the Vehicle after consuming alcohol or drugs.
- _____ 6. **Never** operate the Vehicle without wearing your seat belt (Karts only), a proper helmet, eye protection, and protective clothing.
- _____ 7. **Never** operate the Vehicle on unsafe terrain or at excessive speeds.
- _____ 8. **Never** do wheelies, jumps or other stunts.
- _____ 9. **Never** allow anyone to ride on the back or the front of the Kart or the handlebars of the Scooter.
- _____ 10. **Never** allow the Kart to be driven on a public road of any kind, even a dirt or gravel one because you may not be able to avoid colliding with other vehicles. Operating your Kart on a public road may be against the law.
- _____ 11. **Never** operate the Kart on pavement. The Kart is not designed to be used on paved surfaces and may be difficult to control.
- _____ 12. **Always follow the break-in period** as described in the Owner's Manual or your engine warranty will be voided.
- _____ 13. **Always clean the air filter** as described in the Owner's Manual or your engine warranty will be voided.
- _____ 14. **Never** operate the Kart at night. The attached lights are for ornamental purposes only. They will not provide sufficient lighting for night time operation.

In signing this document, the Purchaser acknowledges and agrees that he has read the Owner's Manual and that failure to do so voids all warranties, both implied and expressed.

I certify that I understand all of the above warnings, warnings in the Owner's Manual, and that failure to obey these warnings could result in death or severe injury.

Date of Purchase (mm/dd/yy)		Model Number	VIN NUMBER
First Name	MI	Last Name	
Street Address			
City	St	Zip Code	E-mail Address
Dealer Name		Website Address	
City St Zip Code			
Home Telephone Number		Purchaser Signature	Date

Please fill out this form and fax or mail it back to:

A.C.E. Sports LLC | 239 County Road 4435 | Brundidge, AL. 36010 | Ph: 888.562.9ACE Fax: 888.562.8ACE |
Web: www.acesportsonline.com

*** Extended Factory Warranty Options Available at Time of Original Purchase:**

#1 - 12 Months Total Coverage (add 6 Months to factory) ☐

#2 - 24 Months Total Coverage (add 18 months) ☐

NOTE: Please include copy of original sales receipt showing unit & extended warranty purchase to activate your



TABLE OF CONTENTS

I. VARIOUS PART NAMES:-----	1	1.L:-----	7
II: OPERATION DESCRIPTIONS OF SYSTEM	3	2.R:-----	7
A. INSTRUMENT PANEL COMPONENTS	3	H. UNDER SEAT STORAGE BOX:-----	8
1.Speedometer:-----	3	I. STEERING HANDLE LOCK:-----	9
2.Odometer:-----	3	1.Locking:-----	9
3.Turn Signal Indicator:-----	3	2.Unlocking:-----	9
4.High Beam Indicator -----	3	III. HOW TO START ENGINE :-----	9
5.Fuel Gage:-----	3	A. STARTING ENGINE WITH	
B. MAIN SWITCH:-----	4	ELECTRIC STARTER:-----	10
1.OFF:-----	4	B. STARTING ENGINE WITH KICK	
2.ON:-----	4	STARTER:-----	11
3.Lock:-----	4	IV. BASIC MOTORCYCLE OPERATIONS:-----	12
4.Unlocking Under Seat Storage Box:---	4	A. TO START RIDING:-----	12
C. STARTER SWITCH BUTTON:-----	5	B. SPEED ADJUSTMENT:-----	12
D. HEADLIGHT SWITCH:-----	6	C. PROPER BREAK IN AND RIDING TO	
E. DIMMER SWITCH:-----	6	LENGTHEN THE LIFE OF THE MOTORCYCLE:---	13
F. HORN SWITCH BUTTON:-----	7	D. DO NOT APPLY BRAKES AND	
G. TURN SIGNAL SWITCH:-----	7	MAKE SHARP TURNS:-----	14

TABLE OF CONTENTS

E. BE EXTREMELY CAUTIOUS ON WET SURFACES:-----	14	K.BACK MIRROR INSPECTION:-----	21
V.HOW TO STOP:-----	14	VII.PERIODICAL INSPECTOION:-----	21
A. PARKING THE SCOOTER:-----	15	A.OIL AND FILTER:-----	22
B. CHOOSE A FLAT PLACE:-----	15	1. Air cleaner replacement:-----	22
VI. INSPECTION BEFORE RIDING:-----	16	2. Oil change and filter cleaning:-----	22
A. GASOLINE:-----	16	3. How to change oil and clean filter:-----	22
1. Check Fuel:-----	16	B. GEAR OIL CHANGE:-----	23
B. HANDLE BAR INSPECTION:-----	17	1. How to change gear oil:-----	24
C. BRAKE INSPECTION:-----	17	C. REPLENISHMENT OF BRAKE OIL: (DISK BRAKE)-----	24
1. Drum brake series:-----	17	D. SPARK PLUG INSPECTION:-----	25
2. Disk brake series:-----	18	1. Cleaning:-----	25
D. BRAKE LIGHT INSPECTION:-----	19	2. Adjustment -----	25
E. TURN SIGNAL LIGHT INSPECTION:-	19	3. Recommended spark plug:-----	25
F. TIRE INSPECTION:-----	20	E.BATTERY AND ELECTROLYTE INSPECTION:-----	26
G. SHOCK ABSORBER INSPECTION:-----	20	F.FUSE REPLACEMENT:-----	26
H.HEADLIGHT AND TAIL LIGHT INSPECTION:-----	20	VIII.WHEN ENGINE CAN NOT START:-----	26
I.HORN INSPECTION:-----	20		
J.INSPECT SPEEDOMETER:-----	21		

I. VARIOUS PART NAMES :

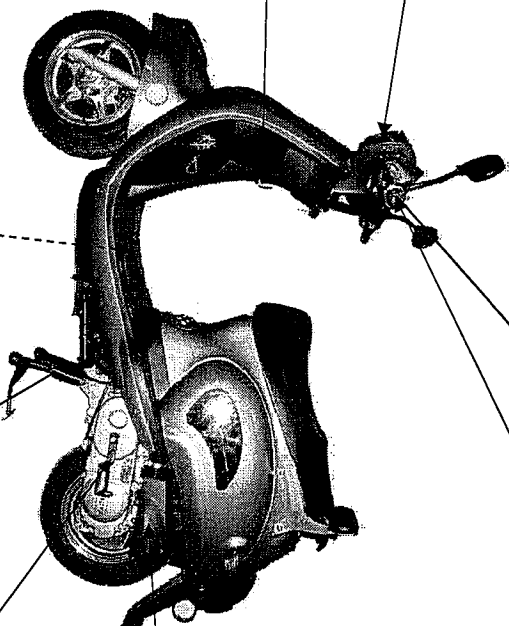


TURN SIGNAL, HORN, AND
HEADLIGHT SWITCHES

HEADLIGHT

HELMET HOOK

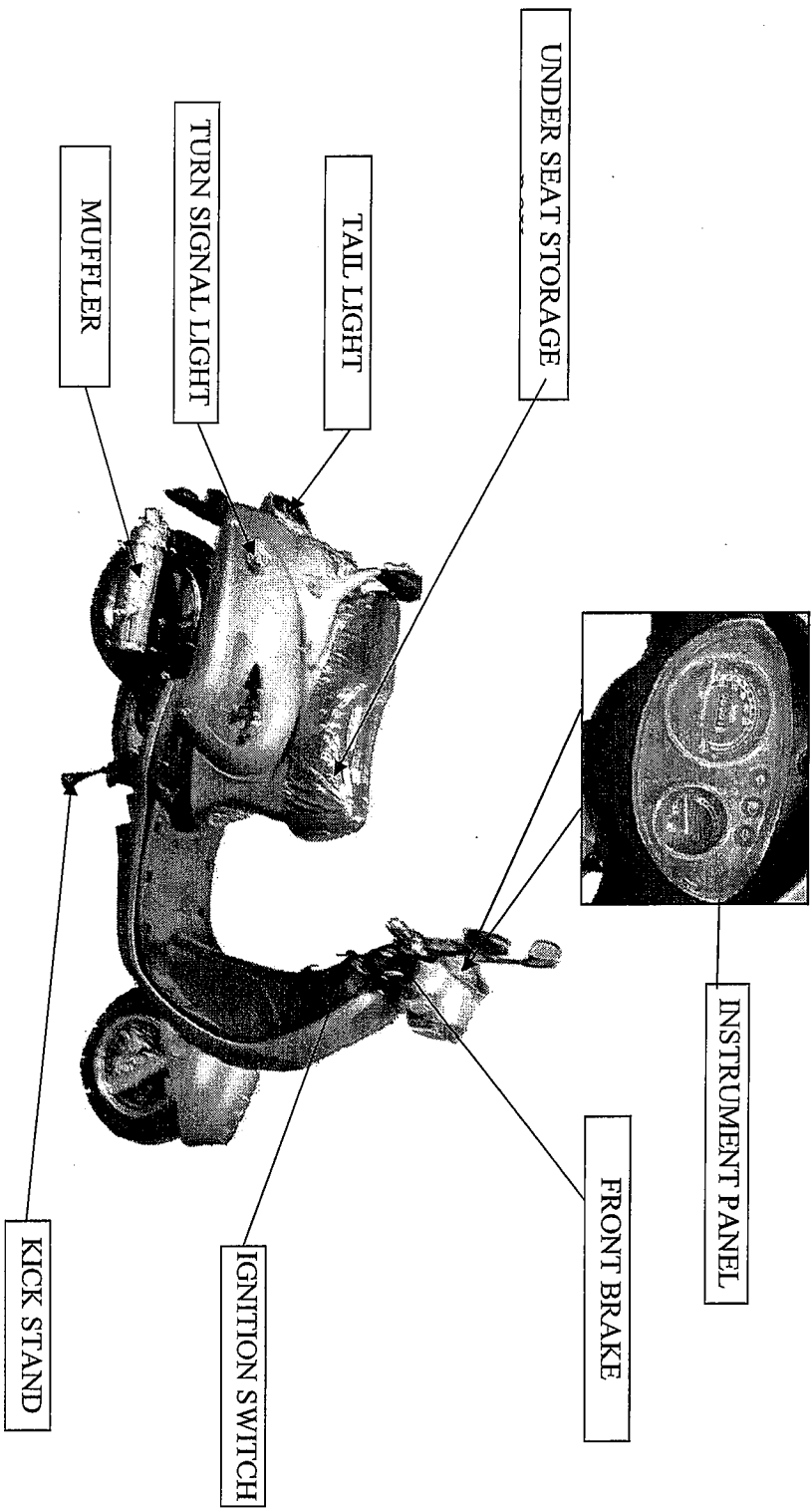
BATTERY
COMPARTMENT



AIR FILTER

KICK STARTER PEDAL

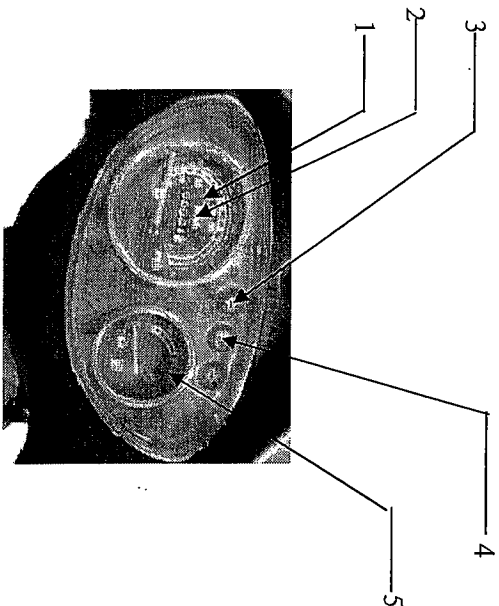
CENTER STAND



II. Operation Descriptions of Systems

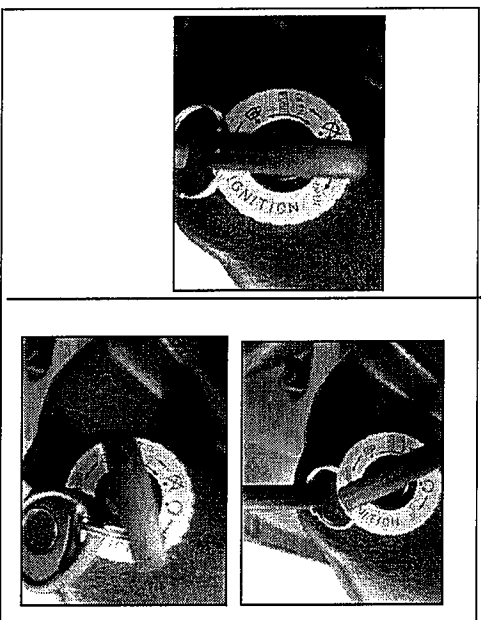
A. Instrument panel components :

Typical dashboard display



1. **Speedometer:**
 - MPH and / or KPH (miles and kilometers per hour)
 2. **Odometer :**
 - Total forward distance is indicated in miles
 - The black number with white background indicates tenth of miles.
 3. **Turn signal indicator:**
 - Turn signal indicator will blink if turn signal switch is in operation
 4. **High beam indicator:**
 - When headlights are bright dashboard indicator will glow
 5. **Fuel Gage:**
 - Indicates the fuel volume in the fuel tank. (ignition switch must be on)
 - If the needle points at the red section, it indicates that the remaining fuel is about 0.25 gallons. Fill with gasoline as soon as possible. (91 octane or above.)
- UNLEADED FUEL ONLY

B. MAIN SWITCH:



1.OFF:

- All systems are off.
- Remove or insert key in this position.

2.ON:

- The electric power is connected
- Starter switch is functional.
- You cannot remove the key.

3.LOCK:

- The handle bars are locked.
- You can remove the key.

HINT:

- After locking, turn handle bars gently to make sure handle bars are locked.
- Turning handle bars gently will facilitate unlocking also

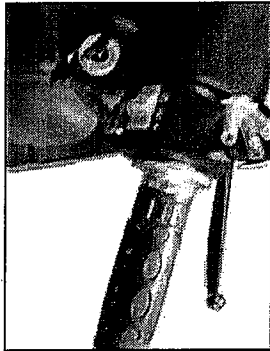
4. Unlocking under seat storage box

- Turn key far right to open position.

HINT:

- Applying gentle pressure (up and down) to seat will facilitate opening.

C. STARTER SWITCH BUTTON:



ELECTRIC STARTER INSTRUCTIONS:

- Hold brake and press starter switch to engage electric starter.
- Do not engage the starter for more than 4 seconds at a time.
- After engine starts, release the starter button at once.

WARNING:

- When engine is in operation, do not press the starter button .
Doing so will damage the electric starter.



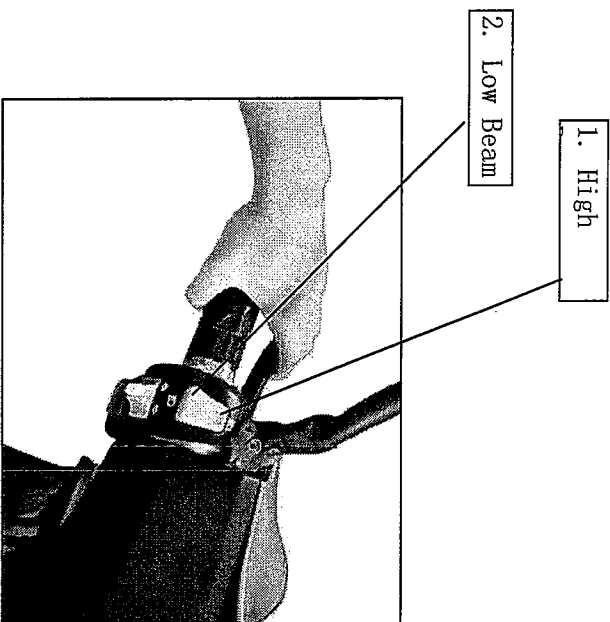
D. HEADLIGHT SWITCH:



Headlights and Tail Lights Switch

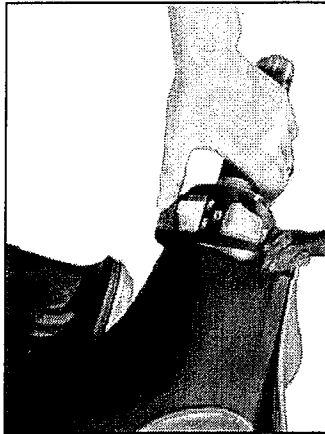
1. Headlights should remain in the on position at all times while operating your scooter.
2. Headlight switch has three positions to accommodate optional lighting features. Please take time to familiarize yourself with this switch.

E. DIMMER SWITCH:



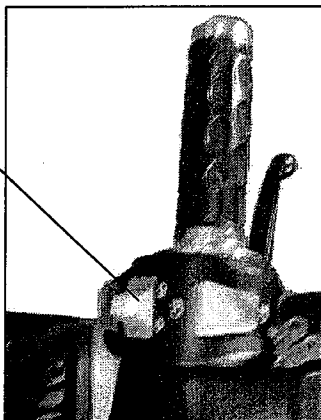
- When the high beam is on, indicator on instrument panel will light.

F. HORN SWITCH BUTTON



- When key is on, pressing button will sound horn.

G. TURN SIGNAL SWITCH



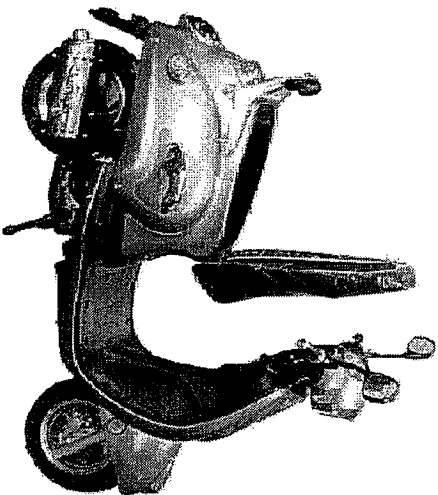
1. L. ←

Turning switch to the left will cause left signals to illuminate

2. R. →

Turning switch to the right will cause right signals to illuminate
When signals are on, symbol on instrument panel will illuminate
3. Press center (white) to cancel turn signals.
Signals will not cancel automatically.

H. Under Seat Storage Box



Unlocking under seat storage box:

- Turn key (on main switch) to far right. (Open position.)

HINT:

- Applying gentle pressure (up and down) to seat will facilitate opening.

NOTICE:

Carrying capacity should not exceed 6 pounds.

CAUTION:

Interior of box can be very hot. DO NOT put flammable objects inside case. Storage box is not waterproof.

I. STEERING HANDLE LOCK:

- To prevent theft, a locking handle bar has been installed.



1. Locking

- Turn handle bars to full left and turn key counter clock-wise to the lock position.

2. Unlocking:

- Turn the key clock-wise to unlock.

NOTICE:
Park in legal parking spaces only.

HINTS:

- After locking, turn handle bars gently to make sure handle bars are locked.
- Turning handle bars gently will facilitate unlocking al

III. HOW TO START ENGINE

There are two ways to start your engine.

A. STARTING ENGINE USING ELECTRIC STARTER:

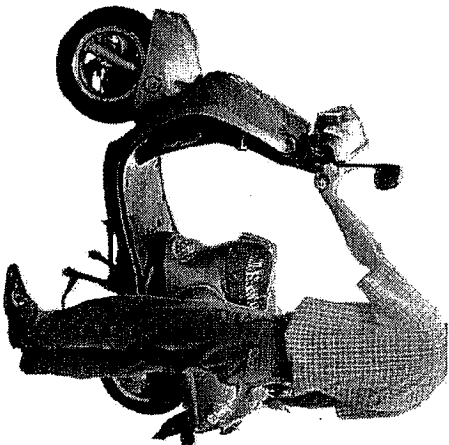
- Turn main switch to "ON".
- Turn secondary emergency cut off switch to the run/on position
- Hold brake and press starter switch to engage electric start
- Do not turn throttle grip, just press starter switch button to start engine
- Do not engage the starter for more than 4 seconds at a time
- After engine starts, release the starter button at once.
- When engine is in operation, do not press the starter button. Doing so will damage electric starter.



** Most models have a switch with a circle meaning on and a circle with an X and/or a line through it meaning off.

- If motorcycle has not been used for a long time it may be difficult to start, turn throttle grip 1/8-1/4 turn and start engine again.
- Warm up engine for 2-3 minutes before operation.

B. STARTING ENGINE WITH KICK STARTER:

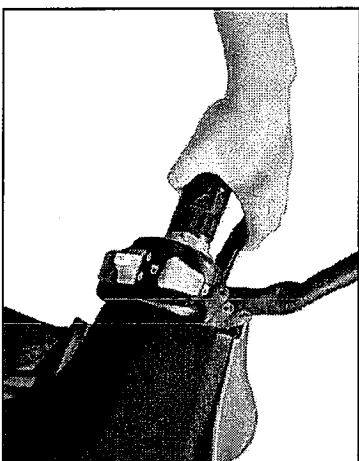


- Place scooter/motorcycle on center stand.
- Turn main switch to "ON".
- Turn secondary emergency cut off switch to the run/on position.
- Hold brake and kick down on starter pedal.
- If motorcycle has not been used for a long time it may be difficult to start, turn throttle grip 1/8-1/4 turn and start engine again.
- Warm up engine for 2-3 minutes before operation.

** Most models have a switch with a circle meaning on and a circle with an X and/or a line in it meaning off.

REMEMBER:

- After using kick starter pedal, fold it back to its original position.
- Carbon dioxide exhaust from engine is harmful. Vehicle is for exterior use only.



IV. BASIC MOTORCYCLE OPERATIONS:

e recommend all beginners take lessons from experienced ride
Some States have motorcycle schools.

contact your local State Department of Vehicle and Motor safe

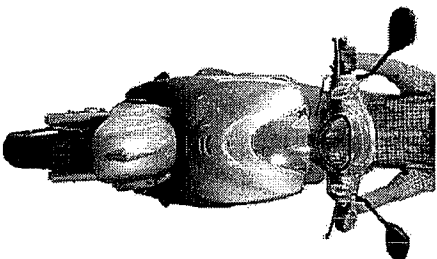
A. TO START RIDING:

- Inspect vehicle before operation.
- Turn on turn lights before moving.
- Make sure it is safe behind and ahead before moving forward.



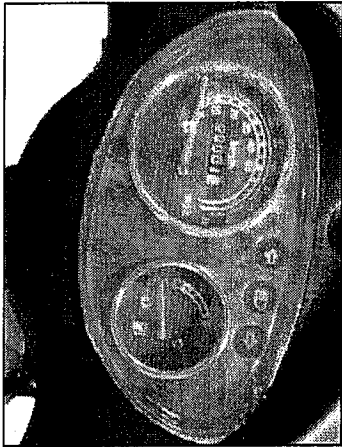
- Release brake levers.
- Add throttle slowly by twisting throttle grip towards you and then motorcycle will move forward.

B. SPEED ADJUSTMENT:



- Speed is adjusted by turning the throttle grip.
- Speed is increased by rolling the throttle towards yourself
- Speed is decreased by rolling the throttle away from your
- Always accelerate slowly.

**PROPER BREAK IN AND RIDING WILL LENGTHEN THE
LIFE OF THE MOTORCYCLE:**



- During the initial 250 miles refrain from top speed.
- Do not accelerate abruptly.
- Do not operate engine at high RPM while on center stand.
- Change engine oil after the first 250 miles and every 700 miles thereafter.
- We recommend Castrol 10W-40 synthetic blend oil.
- Use unleaded 91 octane or above gasoline.

WARNING:

- Release throttle before applying brakes.
- Failure to use both brakes may cause skidding.
- Hard and sudden stops cause premature brake wearing.
- Always check brakes for proper function before acceleration to high speeds.

- When braking, use both brake levers.
- Increase pressure evenly, as needed.
- Avoid sudden, abrupt stops.

D. DO NOT APPLY BRAKES AND MAKE SHARP TURNS

● **WARNING:**

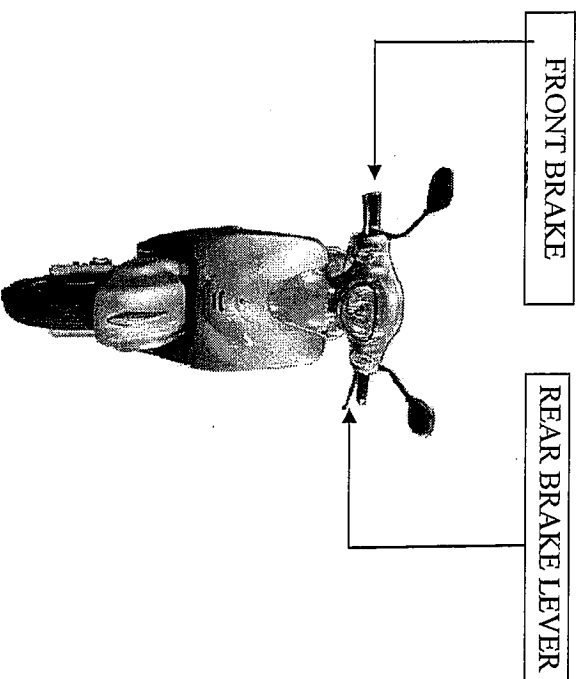
Turning while braking can cause falls, skidding, and serious injury.

E. Be Extremely Cautious on Wet Surfaces.

- The road surface in rain is different from dry surfaces.
- Increase braking distance and reduce speeds.
- Drive Cautiously.

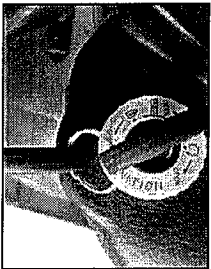
V. HOW TO STOP:

- Be aware of vehicles behind and in front of you.
- Never make sudden stops.
- Return throttle grip to idle position.
- Apply pressure on brake levers evenly.



A. PARKING THE SCOTER.

- Turn the signal switch off.
- Turn main switch to "OFF".

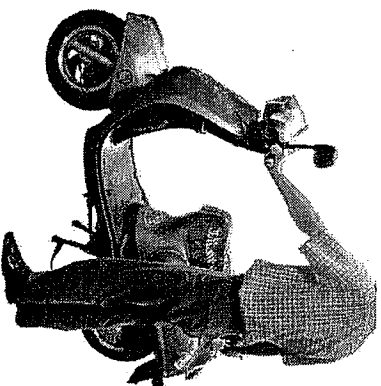


- WARNING:**
- Turn off main switch only when vehicle is not in use.
 - Turning off switch will turn off all lights making it difficult to see.

B. CHOOSE A FLAT PLACE:

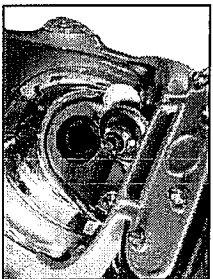
- Choose a flat surface not blocking traffic and push down the center stand. Scooter will fall d or tip over if placed on unlevel ground.
- Grasp left handle with left hand to make scooter straight. Hold side handrail below seat with right hand. Step down on main stand Push with right foot and pull back on scooter with right hand with strength.

- To prevent stealing, lock the steering handle when parked and take out the keys.



VI. INSPECTION BEFORE RIDING:

- Always inspect before riding.
- Turn main switch to "OFF".
a pre-check up is necessary before each ride.
- Periodic Inspections every 1,000 miles by a trained professional or Service Center is recommended.



NOTICE:

- Check oil and brake fluid before each operation.

A. GASOLINE:

1. CHECK FUEL:

- When the pointer on the gas gage is close to the red section, the effective residual gasoline is about .25 gallons.

NOTICE:

- Turn off engine when refilling with gasoline.
- Use unleaded 91 octane and above.
- Turn off the key from main switch and insert it into fuel tank cap. Turn the key clock-wise and open fuel tank cap.

WARNING:

- Keep gasoline level a full inch and 1/2 from the top of fuel tank when refilling. If gasoline is overfilled it is easy to splash out and leak out which can be dangerous.

B. HANDLE BAR INSPECTION:

- Check steering bar. Applying pressure up and down, forward
- Turn main switch to "OFF".
- Check steering functions. Check for rubbing or abnormal sounds
- If any abnormalities, take the scooter to the distributor or service center for inspection and repair.

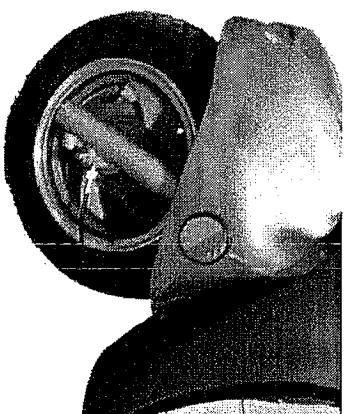


C. BRAKE INSPECTION:

1. Drum brake series:

- The brake levers should be properly adjusted. The free play* is about 1/4 inches maximum.

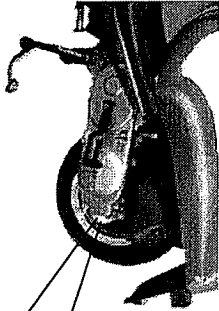
*Free play means the distance between loose and tight positions of brake levers.



NOTICE:

- Always check the free play of front and rear brakes. Make adjustments with adjusting nut when
- Turn main switch to "OFF".

REAR WHEEL BRAKE ADJUSTMENT:



NOTICE:

BRAKE ADJUSTMENTS

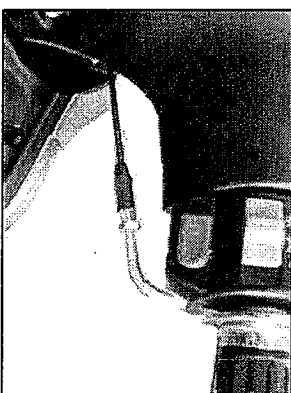
- After brake adjustment match the concavity of the adjusting nut with the axle pin to prevent the change of free play during riding.

- Ride motorcycle in a short distance at slow speeds to make sure all front and rear brake adjustments are suitable.

2. Disk brake series:

BRAKE OIL INSPECTION:

- Normal fluid level is between "UPPER" and "LOWER".
- When the fluid level is near the lower level mark, check brake pads.
- If brake pads are in good condition, low fluid level could signal a problem.
- Have your brakes inspected by a professional.



REMEMBER:

New brake shoes are cheaper than accidents.

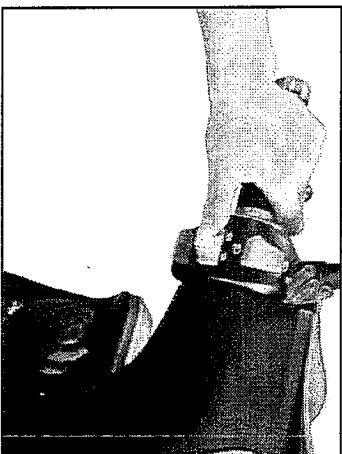


E. TURN SIGNAL LIGHT INSPECTION:

- Turn main switch to "ON"
- Operate turn signal switch to make sure turn signal lights and turn signal indicators blink.
- Check turn signal lights for any dirt or damage.

D. BRAKE LIGHT INSPECTION:

- Turn main switch to "ON".
- Operate front and rear brakes one by one to make sure brake lights work.
- Clean brake and signal lights to make sure they can be seen well.
- Check for any damage to the lights.



G. SHOCK ABSORBER INSPECTION:

- Add weight on the handle and seat, swing motorcycle up and down and check the front and rear shock absorbers if work well.

INSPECTION:

- Turn main switch to "ON". Operate headlight switch to check if headlight and taillight light. Check the lights if any dirt or damage.

headlight switch to check if headlight and

damage.

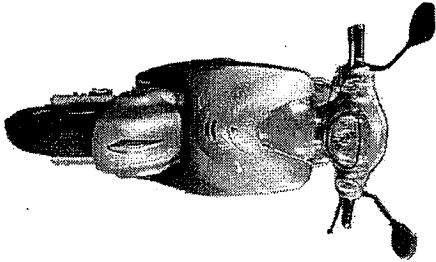
- ## I. HORN INSPECTION:

- Turn main switch to "ON" and press down horn switch button to check if the horn sounds.

J. INSPECT SPEEDOMETER:

K. INSPECT MIRRORS:

- Turn main switch to "OFF".
- Sit on the seat and adjust mirrors.
- Keep mirrors clean.



VII. PERIODICAL INSPECTION:

- For safe and comfortable riding have periodic inspections made by a professional certified mechanic.
 - The following is a recommend partial list of maintenance times and inspections.
 - If the motorcycle has not been used for a long time, we recommend having a full inspection before use.
 - A full inspection as well as full maintenance must be done between 30 and 45 days or 250 miles after the initial purchase (Break in period)
- *Failure to do so may void your warranty.**

A. OIL AND AIR FILTER:

2. Oil Change:

1. Air cleaner replacement:

- Change oil and clean filter every 750 miles.

- Remove left side cover.

Oil Capacity: 0.9 liters (almost 1 quart)

- Remove attaching screws and air cleaner cover.

ATTENTION:

WARNING:
Do not over fill.

- Dirty air filters cause premature engine wear, loss of engine power and wastes gas.

3. How to change oil and clean filter:

- If air cleaner is not replaced properly, dirt will be sucked into the cylinder causing excessive wear, low engine power, and shortening engine life.

When engine is warm-

- Do not let air filter get wet or starting problems may result.

- Remove oil dip stick. Remove drain plug to remove all the oil.

- Keep Air Cleaner Box in good condition.

- Remove oil filter cap.
- Take off spring.

- Clean or replace air filter every 400 miles or more often in dusty environments.

- Use high pressure air to clean filter screen.

- Install oil filter screen and drain plug.

- Fill with new oil 0.9 liter. Castrol Semisynthetic. Check with oil gauge. (Do not screw in the dipstick)

- Tighten up dip stick.

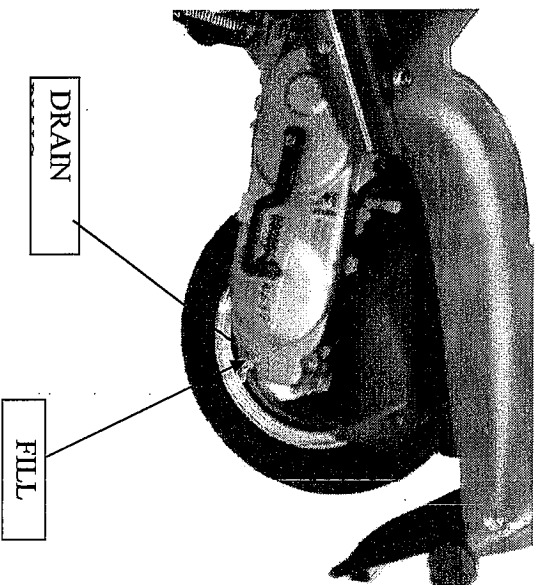
- Start and warm engine for 2 - 3 minutes. Check pressure levels.

NOTICE:

- Please use Castrol 10W-40 Semisynthetic oil.
- Operating in the following conditions will require oil being changed more frequently:
 - Frequent riding on gravel roads.
 - Riding short distances never reaching higher speeds.
 - Excessive stop and go traffic.
 - Riding in cold weather.
- When refilling oil do not exceed the upper level on the dip stick. Doing so will damage seals.

B. GEAR OIL CHANGE:

- Change gear oil at first 250 miles and each 3000 miles or every six months.
- Capacity of gear oil 110c.c.



1. How to change gear oil:

- Remove drain plug to allow the oil to flow out. When engine is warm, it is easier to remove oil flow out.
- Re install drain plug.
- Fill with new gear oil. (110c.c.)
- Tighten up filler nut.
- Check for leaks.

NOTICE:

Riding in the following conditions will require more frequent gear oil changes:

- * Always riding in dusty conditions. (Dirt and Gravel Roads.)
- * Riding for long distances.
- * Riding in areas with high humidity and damp areas.

C. REFILLING BRAKE OIL: (DISK BRAKE)

- Turn the handle bars until the brake fluid level in brake fluid storage tank becomes horizontal.
- Remove the tank cover and seal.
- Fill with brake fluid a little above the "low" mark; then replace cover and screws.

- Reassemble the seal, tank cover, and upper handle bar cover.

WARNING:

- Use only the specified brake fluid, otherwise, the rubber seal can be distorted leading to oil leakage, and brake failure.
- Do not mix brake fluid with any other oil or fluid.
- It will cause chemical reaction and lead to brake failure.
- Do not let water penetrate the main cylinder otherwise brake failure could occur.
- The painted surfaces and plastic parts could be damaged by the brake fluid. In case of spills clean thoroughly and promptly.
- Constant loss of fluid should be checked by a trained professional

D. SPARK PLUG INSPECTION:

- Large gaps, thick deposits and electrode erosion will result in poor spark plug performance.

WARNING:

- Engine is still very hot after engine stops. Be careful not to burn yourself.
- Turn spark plug finger tight, then tighten with spark plug wrench. *Do not over tighten.

1.Cleaning:

- The best way to clean plugs is with spark plug cleaner. Purchase at any automotive shop.
- Use of a wire brush is okay if no cleaner is available.

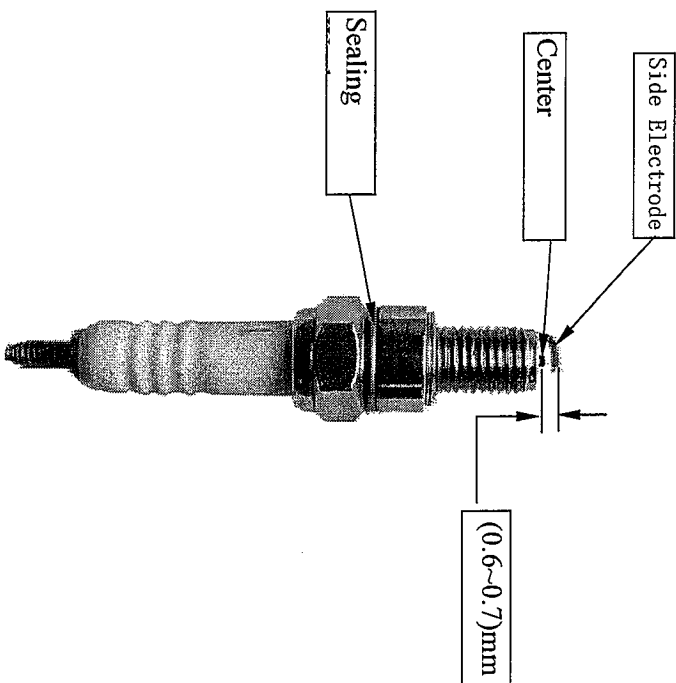
2.Adjustment:

- Normally electrode gap is 0.025- 0.030. (as shown.)

3.Recommended spark plug:

NGK-CR7HSA

- If failing problems occur use NGK-CR6HSA.
- Do not use spark plugs not recommended or cross referenced.



E. BATTERY AND ELECTROLYTE

INSPECTION:

- This series uses a sealed battery so you do not have to inspect electrolytes.

INSTALL:

- Install the fuse into fuse case and fasten the cap.
- Try to pull the fuse after installation. If loose, the fuse can overheat and breakdown.

NOTICE:

- Absolutely do not open the lid of battery.
 - Battery may produce flammable gas. Take care of sparks or when changing or performing maintenance on batteries.
 - When not used for a long time, battery may self-discharge. To prevent discharging place battery on a recharge and store in a cool place.
 - If battery is stored on the motorcycle for a long period of time, disconnect the negative terminal.
- VIII. WHEN ENGINE WILL NOT START:**

F. FUSE REPLACEMENT:

REMOVE:

- Turn off the cap of the fuse case and take out the fuse.
- If fuse connection is not good, the fuse will overheat and breakdown.

WARNING:

- Do not use any fuse larger than installed. Doing so can cause wire melt down and fire.
 - Use approved electrical parts from your Motofino distributor or dealer.
 - If cannot find out the reason, deliver the motorcycle to distributor or service center for inspection and repair.
 - Do not use high pressured water to wash around the side cover.
- VIII. WHEN ENGINE WILL NOT START:**
- Check gasoline fuel level position.
 - Check the starting procedures.
 - Kick start several times
 - Check battery hook ups.
 - Check that "flooding" has not occurred.
 - Have a trained professional look at your scooter.



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BUILT TO PERFECT

Always Ride Safely

Always Wear An Approved Helmet

Always Follow Posted Road Rules