

## Foreword

This booklet is about the base operation and maintenance of your new motorcycle. Please find time to read it through with attentions, as any good machine needs proper care for a smooth and trouble-free performance. Your authorize dealer will be glad to provide further information and assistance to you. He is fully equipped to handle all your future needs regarding service and technical problems.

Thank you for selecting a comel (JRD) motorcycle. We wish you perfectly enjoyable motorcycle rides miles after miles in the years. The information, charts, instructions and specification contained in this Manual are based on the latest product information available at the time of printing.

**IMPORTANT INFORMATION**

Rider and Pillion Rider

This motorcycle has been designed to carry the rider and one passenger.

Read through Ower's Manual with attention.

Pay special attention to the inxtruction indicated by these words:

**WARNING:**

Means the risk of personal injury or loss of life instruction are not followed

**CAUTION:**

Means the possibility of damage to parts and belongings if the instruction is not followed.

**NOTE:**

This manual must be considered as an inseparable part of the motorcycle and must be with the motorcycle when it is re-sold.

**CONTENTS**

<b>MOTORCYCLE SAFETY</b> .....	<b>4-5</b>	<b>RIDING</b> .....	<b>24</b>
<b>PROTECTIVE APPAREL</b> .....	<b>6</b>	<b>BREAKING</b> .....	<b>25</b>
<b>LOADING&amp;TRANSPORTATION</b> ...	<b>7</b>	<b>PARKING</b> .....	<b>26</b>
<b>DESCRIPTIONS</b> .....	<b>8-9</b>	<b>FRONT BRAKE</b> .....	<b>27</b>
<b>PARTS FUNCTION</b> .....	<b>10-18</b>	<b>FRAR BRAKE</b> .....	<b>28</b>
<b>ENGINE OIL</b> .....	<b>19</b>	<b>AIR CLEANER</b> .....	<b>29-30</b>
<b>TIRES</b> .....	<b>20</b>	<b>MAINTENANCE SCHEDULE</b> ...	<b>31-32</b>
<b>PERFORMANCE(GENERAL)</b> .....	<b>21</b>	<b>SPECIFICATIONS</b> .....	<b>33</b>
<b>STARTING ENGINE</b> .....	<b>22-23</b>	<b>WIRING MAP</b> .....	<b>34</b>

**CONTENTS**

## MOTORCYCLE SAFETY

### WARNING

While riding a motorcycle personal safety demands your special attention. Safety Precaution for Riding

1. Always make an inspection before starting the engine for riding. This will protect you against damage.

2. Many an accident happens due to the rider's inexperience is obligatory in most of the countries. Make sure that you are fully qualified for riding before you ride a motorcycle. Never lend your motorcycle to any inexperienced rider.

3. Often times, automobile or motorcycle accidents happen just because the automobile driver has not noticed the motorcycle rider. Look prominent as a precaution against an accident for which you are not responsible. Dress yourself in gaudy & brightly shining clothes.

Keep away from blind spots to ensure that the coming car driver is able to see you from distance. Avoid riding along parallel lane and skirting the road.

4. Avoid by all the federal, provincial and local rules and regulations.

Over speeding accounts for many an accident. Observe the specified speed limits and never violate traffic rules.

Always give advance indication before you take a turn or change your lane. Other motorcycle riders maybe confused by the sudden turns you make.

5. Do not let other vehicles perplex you. Exercise special caution when entering or coming out of reserved parking areas near main roads or crossings.

6. While riding, keep both hands firmly on

handle bar and feet on footrests.

7. Rack and basket are basically designed for light luggage. Make sure that the luggage is surely fastened so that it does not move or get dislodged during the journey.

See instructions under the heading” Loading & Transportation”.

**PROTECTIVE APPAREL**

1)Motorcycle accidents often prove fatal due to head injury.Always put on a helmet.Protect head by wearing a head shield or glasses.Besides,wear boots, leather gloves and safety apparel.

2)During running,the motorcycle exhaust system gets too hot and remains so after the bike has stopped.Never touch the heated parts.Dress so as to completely cover your legs

3)Avoid wearing such loose clothes as may get caught on control oever,kick-Starter,and footrest in the wheels.

Alterations

**WARNING**

Any kind of alteration or replacement of original equipment may render your motorcycle unsafe or one violating the legal regulations.Abide by all the federal,Provincial and local regulati-ons concerning equipment and accessories.

## LOADING & TRANSPORTATION

### **WARNING**

Unequally distributed weight makes a motorcycle lose its balance. Improper loading affects the stability and performance of the motorcycle. So safe driving must be extremely careful when carrying load.

(1) When carrying light luggage, place it in the middle of the motorcycle. Total transported load should be equally distributed on both sides to minimize the risk of losing balance of the motorcycle.

In case the weight is placed outside the rider's

Center of gravity, it will affect your way of controlling the motorcycle balance.

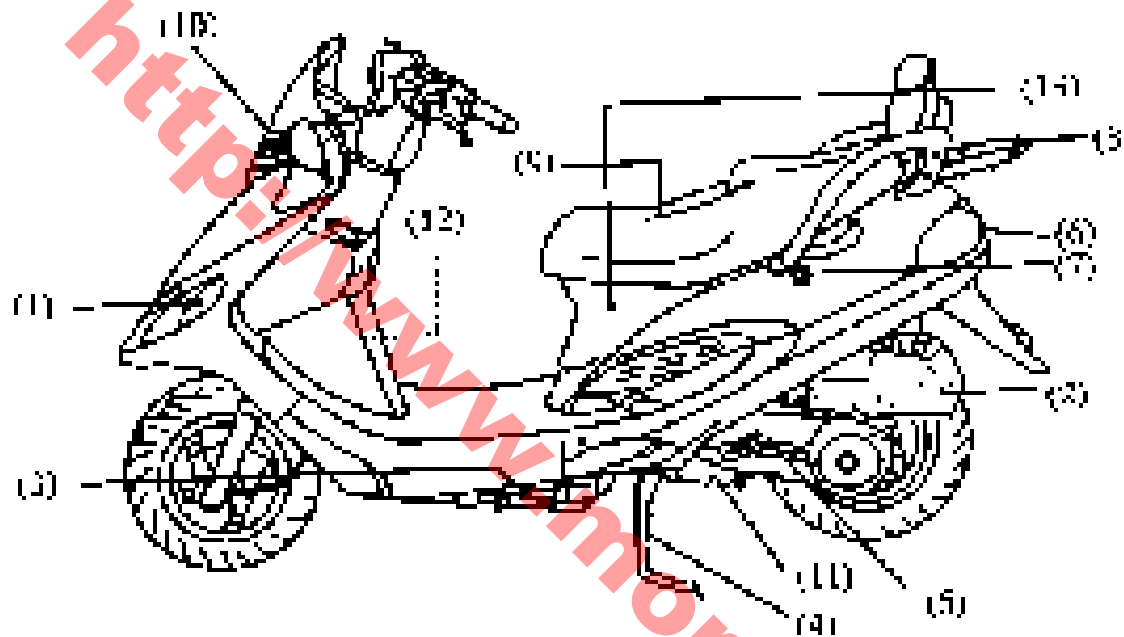
(2) The entire luggage should be fastened securely and the rider should again and again check it during the journey.

(3) Avoid carry article that may jut out of the basket or hinder the headlight.

(4) Avoid carrying kids or pets in the basket or on the back.



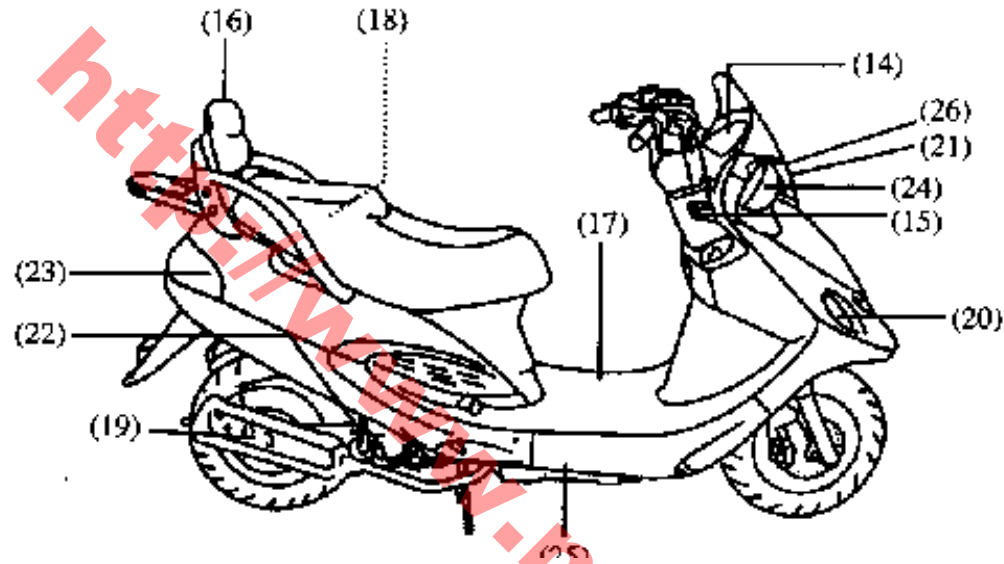
DESCRIPTION



- 1)FR.L.WINKER      2)AIR CLEANER      3)SIDE STAND    4)MAIN STAND
- 5)KICK STARTER ARM    6)TAILLIGHT COMP.    7)SEATLOCK    8)REAR RACK
- 9)SEAT ASSY.DOUBLE    10)L.POSITIONLAMP    11)ENGINE NUMBER
- 12)VEHICLE IDENTIFICATION NUMBER    13)LUGGAGE BOX



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- 14)METER    15)IGNITION LOCK    16)REAR BACKREST    17)BATTERY  
18)FUEL TANK    19)FR.R.WINKER    21)HEADLIGHT    22)DIPSTICK/OIL FILLER HOLE  
23)RR.R.WINKER    24)MIRROR ASSY.BACK    25)EMBLEM POSITION  
26)R.POSITION LAMP

FRAME BODY NUMBER:

ENGINE NUMBER:

DESCRIPTION

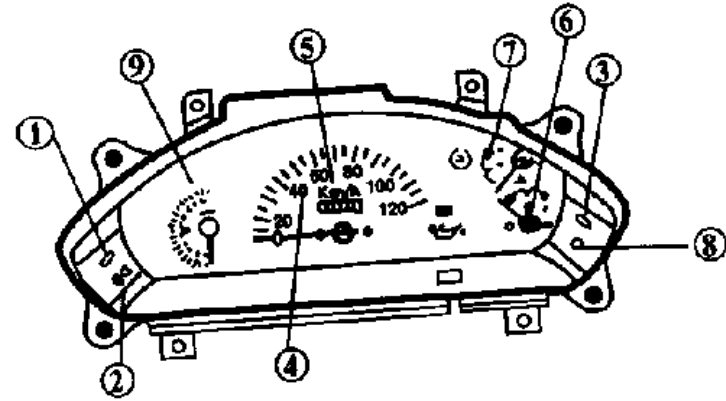
PARTS FUNCTION

PARTS FUNCTIONS

Indicating Equipment

Indicators are loaded in the speedometer Above the headlight .Their functions are Given in the following chart.

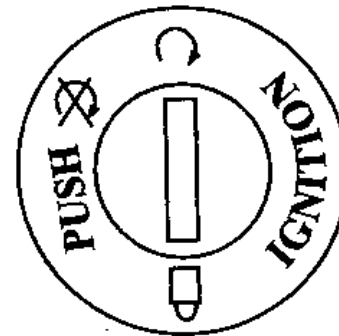
- (1)Turn signal indicator L.
- (2)Long range indicator
- (3)Turn signal indicator R.
- (4)Speedometer
- (5)Odometer
- (6)Fuel quantity gauge
- (7)Voltage gauge
- (8)Brake Indicator
- (9)Tachometer indicator



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S.NO.	Description	Function
1	Turn signal indicator(L.)	When Ture L.Signal is operated it goes off and on.
2	Long distance indicator	When the headlight is lighted,it goes on.
3	Turn signal indicator(R.)	When Turn R.Signal is operated it goes off and on.
4	Speedometer	Indicates motorcycle speed.
5	Odometer	Indicates the covered distance in kilometer.
6	Fuel quantity gauge	Indicates the quantity of oil.
7	Voltage gauge	Indicates the voltage.
8	Brake Indictor	The light will go on as braking.
9	Tachometer indicator	Shows the maximum speed of engine.

PARTS FUNCTION



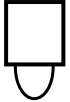


IGNITION SWITCH

NOTE

Do not push motorcycle when the steering lock is locking to avoid losing your balance.


PARTS FUNCTION

Key Position	Function	Key Withdraw
	Engine and lights do not function	Key can be withdrawn.
	Lights go on.Engine can be started.	Key cannot be withdrawn.
	Turn handle to extreme left,insert the key and turn it anticlockwise to “ ” ,then pull it out after parking	Key can be withdrawn.

**LEFT HANDLE**

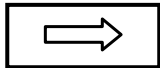
Dimmer switch(1)

Select  for long-range light and

 For short-range light.


Turn signal indicator switch(2)

To operate left side signal move it towards



And for the right side signal move it

Towards 

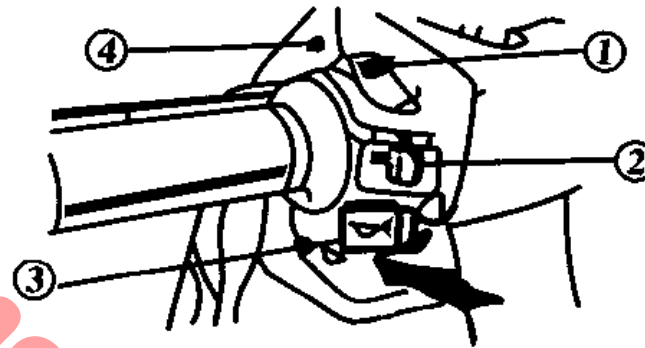
Horn button(3) 

To sound horn,press the button.

Passing switch(4)PASSING 

Press it to wink the headlight and warn

The upfront vehicle.



PARTS FUNCTION

PARTS FUNCTION

RIGHT HANDLE

Lighting switch(1)

Three positions of it : 

 Headlight,taillight,meter and  
Position lights go off.

Taillight,meter and position  
Lights go on.

Headlight,taillight,meter and  
Position lights go on.

Electric starter button(2)

Hold front brake or depress resr brake  
With foot to electrify,then press the  
Button.

Throttle gripe(3)

Control the speed of engine.

Lever,FR.Brake(4)

Uses for front braking.

(5)Burnout switch

 Start engine.

 Start engine.

**LOCK SET,SEAT**

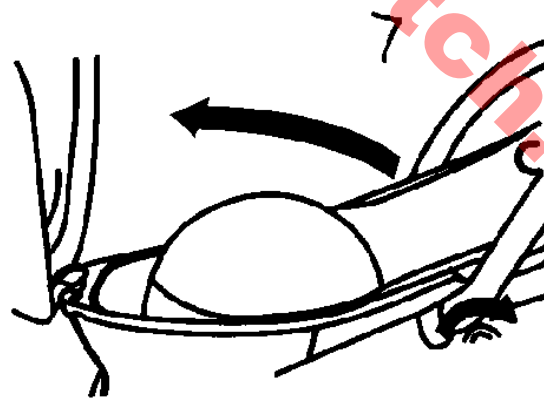
It is under the left of rear seat.To open it,insert the key and turn it clockwise.  
Luggage box and fuel tank cover will be seen.To lock it,press the seat with strength.

**NOTE**

It is necessary for safety to make sure the seat has been locked before riding.

**CAUTION**


Do not put the lower heatproof objects and food and the combustibile objects into the luggage box under the seat.

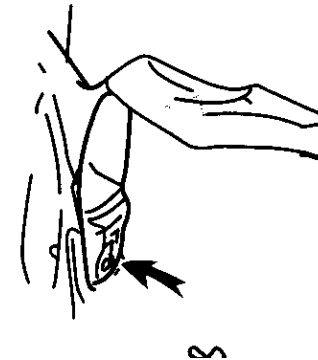


### COVER FUEL TANK

Take off the cover anticlockwise to fill recommended oil(OVER90#,UNLEADED) but not be over full,then turn it clockwise firmly.

### WARNING

Stop engine and turn ignition key to “” when fill oil.Should be away from firework



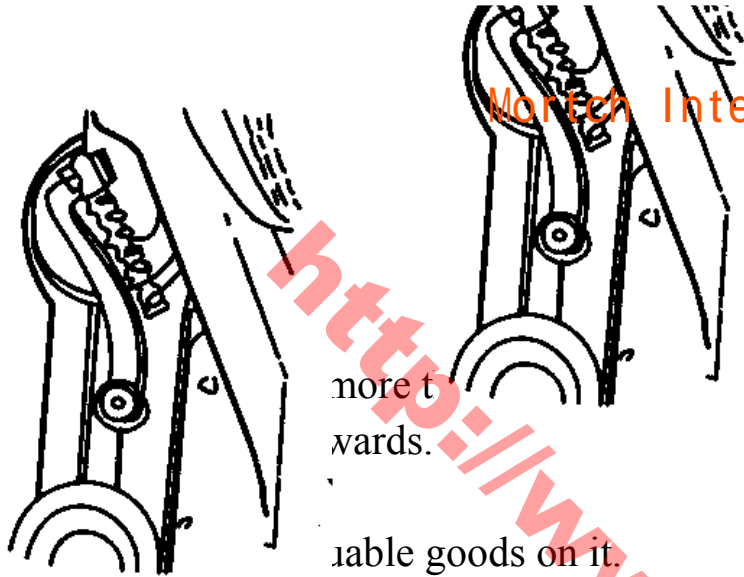
### REAR RACK

The max.Load is 5kg.The carrying objects should be fastened.

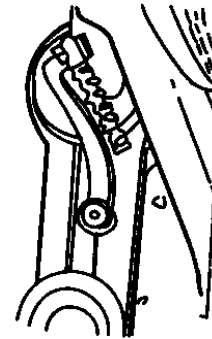
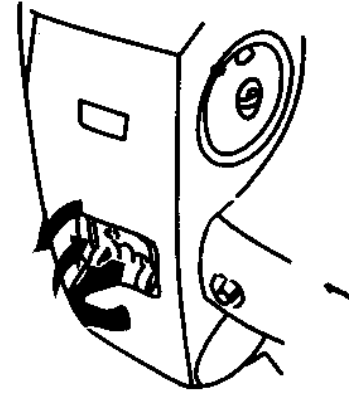
### NOTE

Do not carry objects on other place expect the pointed loading box to avoid damaging the cover of the motorcycle body.





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able goods on it.



PARTS FUNCTION

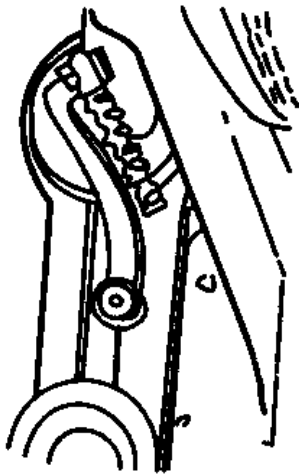
**KICK STARTER ARM**

It is on the left position of engine and used to start the engine.

**CAUTION**

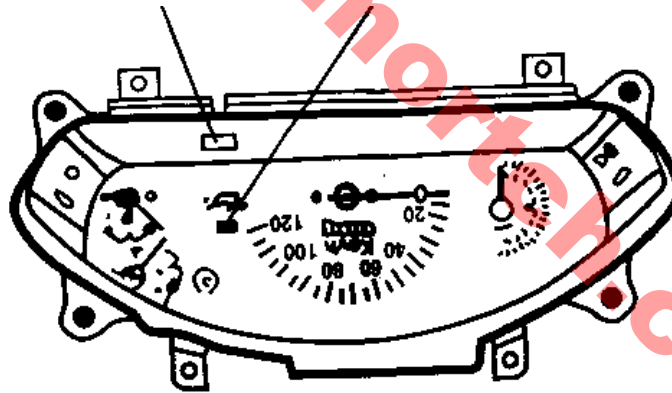
After starting the engine,inspect whether the kick-starter lies on its normal position or not.

### ENGINE OIL CHANGE INDICATOR



of engine oil change by color. Normally it shows in green. When the oil is used up, the color turns to red. After changing, insert the main switch key to the relief hole; the color turns back to green.

After 3000 kms, the color turns to red. After first 300 kms, the color is still green at the indicator. But also need to insert the main switch key to the relief hole. If not, the oil change would not be accurate.



## ENGINE OIL

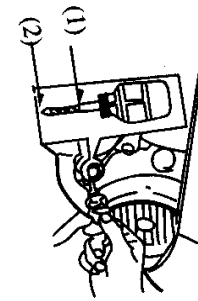
### Engine oil level inspection

Check engine of oil level everyday before driving motorcycle. The lid for oil filler hole is located behind the right crankcase. The oil gauge is inside it. The oil level should be at a point between the upper level(1) mark and lower level(2) mark on the gauge. An oil level touching the upper mark is always preferable.

1. Take out the oil gauge by turning it anticlockwise. Wipe it clean and insert it through the oil filler hole without tightening the threaded part. Pull it up and check the oil level on it.

2. If necessary fill the recommended oil(SAE10W-30/40) up to the upper mark but never higher than it .

3. Tighten up the oil gauge again.



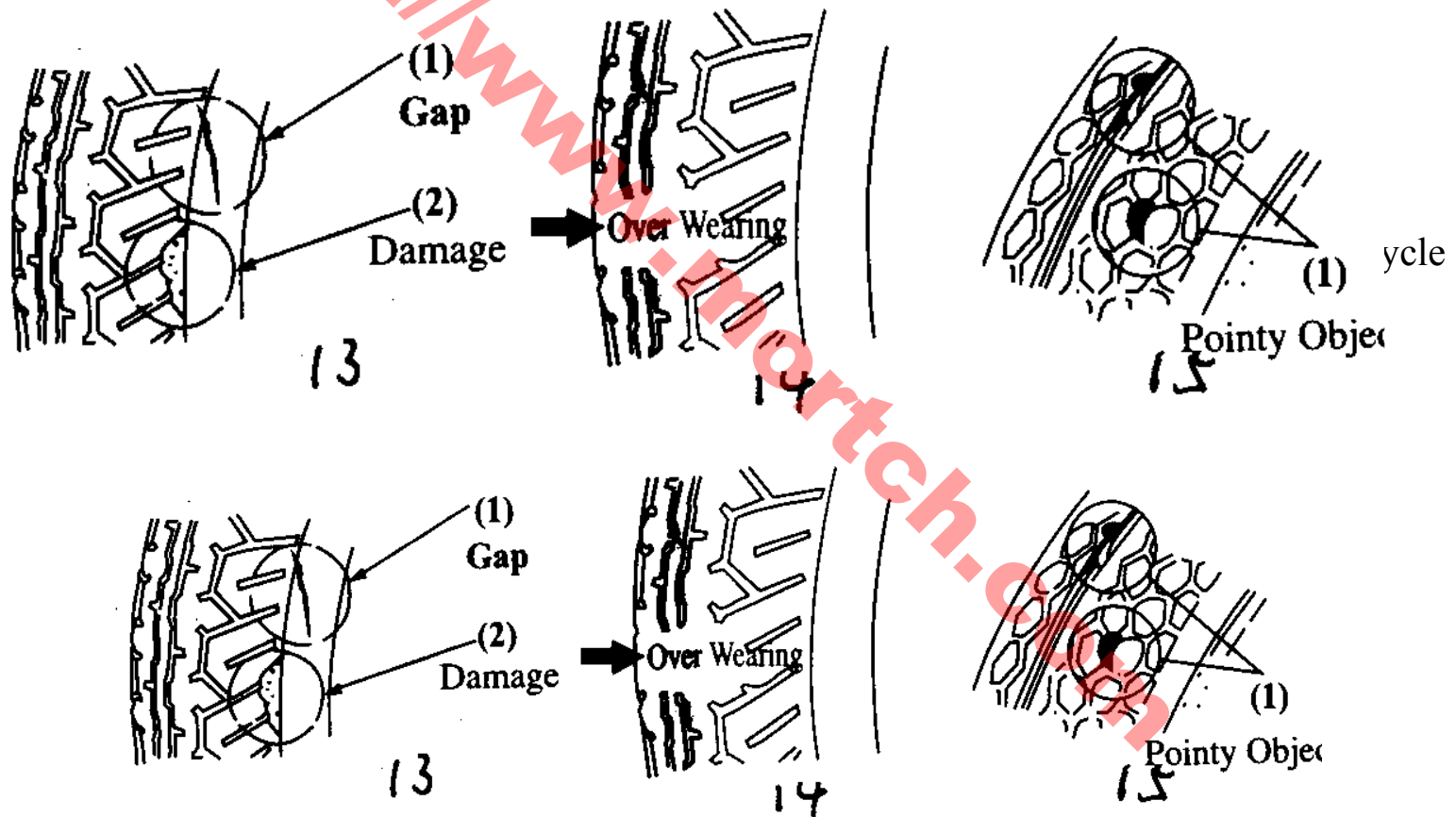
### CAUTION

The engine may be seriously damaged if it is run when the oil is lower than the specified Limit.

TIRES

**TIRES**

Right air pressure in tires not ensures only proper road grip for the running motorcycle, but



## PRE-RIDE INSPECTION

### **WARNING**

If a pre-ride inspection is not carried out, it may result in a serious accident or damage. Following checks will of course take a few minutes but in fact they will secure you against lose of time, money and life.

#### **1)Engine oil lever**

If necessary, increase the quantity of oil. Check oil lever.

#### **2)Petrol lever**

When it necessary, fill more petrol into the fuel tank. Check for leakage.

#### **3)Front & Rear Brakes**

Check for braking action. If necessary, adjust

free play of brake lever.

#### **4)Tires**

Check for air pressure and wear.

#### **5)Drive Belt**

Check its opening and closing action by turning the steering.

#### **6)Light & Horn**

Check headlight, tail stoplight, turn signal indicator and horn for correct operation. Correct the faults before riding. If you cannot do it yourself, contact with Jieda authorized dealer.

## STARTING THE ENGINE

### **WARNING**

Never run the engine in an enclosed area as the exhaust fumes contain poisonous carbon mono-xide gas.

### **Pre-start checks:**

Support the motorcycle by the main stand.

Insert key and turn ignition switch to “ ” mark.

### **STARTING**

How to start the engine when it is cool:

- 1) Raise choke level to a closed position.
- 2) Open throttle slightly.
- 3) Depress kick-starter slowly with foot till resistance is felt ,then vehemently fling it down.

4) Warm up engine by slowly opening and closing throttle.

5) Almost 30 seconds after starting the engine, open the choke valve completely by pressing down choke knob.

6) Operate throttle slowly to open and close positions continue warming up the engine till it gets uniform motion.

**CAUTION**

Be careful that the kick-starter does not hit pedal stop when it quickly recoils after kicking as it may damage the engine case.

How to start the engine when it is hot.

- 1) Use kick or electric starter to open the ignition switch.
- 2) Return the main stand after starting
- 3) Loosen front or rear brake, then rotate throttle grip.

Excessive petrol in engine

If engine does not start even after repeated attempts, it means it is flooded with petrol. To drain off excessive petrol from the engine, press choke knob to fully open the choke valve, open throttle to last

limit, turn off ignition switch and operate kick-starter repeatedly. Turn ignition switch to “ ” position. Follow the procedure adopted for starting the cool engine.

**RIDING**

**WARNING**

Do a pre-ride safety check of motorcycle. Before riding your motorbike, make sure that the side stand is securely up in its place. If it is sticking out, bike control will be difficult when negotiating left turns.

- 1) After the engine is warm, the motorcycle is ready for riding.
- 2) Release slowly the rear braking lever while opening the throttle to gradually increase engine speed. A proportionate rear braking lever and throttle balance can make the motorcycle run smoothly.

**CAUTION**

Do not forget pulling the brake lever and closing the throttle before you strong jerks at high speed can damage both the engine and the drive chain



**BREAKING**

1)While riding apply light front or rear brake according to the speed of the motorbike.

2)To reduce to a dead slow speed close throttle and strongly apply both the front and rear brakes.

**WARNING**

Speed is reduced only by applying front or rear brakes suddenly jams the wheel , which makes it difficult to control the motorcycle. Reduce speed or brake before turning. Applying brakes or closing throttle in the middle of turning maneuver can cause the wheel to slip. When the road is wet or dusty controlling and braking the motorcycle

becomes more difficult. In such situations all your actions must be carefully calculated. Sudden braking, or increasing of speed or turning may cause you to lose control of the motorcycle. For safety's sake, decreasing extra caution while braking, increasing speed or turning.

**BREAKING**

### PAPKING

Open signal indicator switch ahead of parking and note the rear and sidelong vehicle.  
Use front and rear brake ahead of parking ,As the same time the taillight goes on to warn the rear vehicle.

After you have stopped, return the turn signal indicator switch and turn the ignition switch to “ ” , then pull out the key.

### WARNING

- 1) Do not shut off the switch of ignition during the riding.
- 2) The higher of the speed, the longer of the distance of braking the motorcycle needs.
- 3) Make sure of the safe braking distance from your motorcycle to the other vehicles or objects.



## FRONT BRAKE

### Adjustment

1) Measure the free play distance that the brake lever travels before the brake starts to engage. Free play, measure at the brake lever tip, should be 10-20mm.

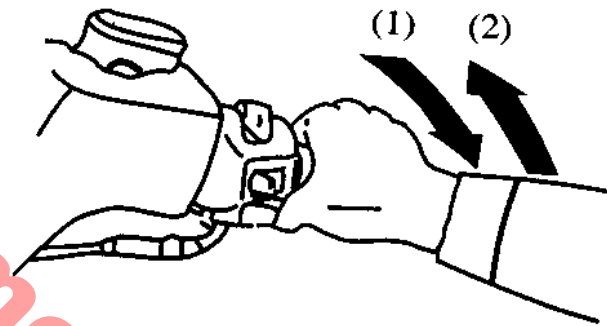
2) Adjust free play by turning adjustment nut located on the front brake arm.

Make sure that the adjustment nut cut out seats properly on the brake arm pin.

3) Apply brake repeatedly and check wheel for free movement after releasing the brake.

### NOTE:

If you cannot right adjustment in this way, contact your authorized comel(JRD)dealer.



- (1) To increase Free Play
- (2) To decrease Free Play

FRONT BRAKING

## REAR BRAKE

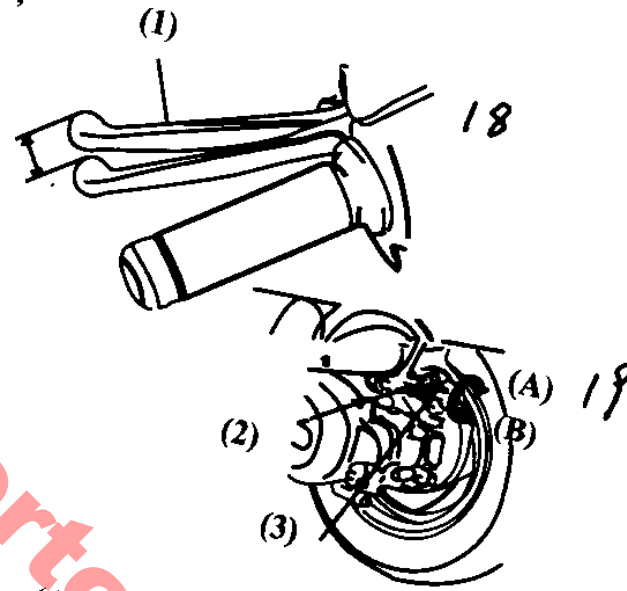
### Adjustment

- 1) Support the motorcycle on main stand,
- 2) Measure rear brake lever free play which the lever travels before the brake starts to engage, Free play: 10-20mm.
- 3) If necessary, adjust by tuning rear brake adjustment nut.
- 4) Check free movement of wheel by applying and releasing the brake repeatedly.

### NOTE:

Make sure that after final adjustment the adjustment nut brake is properly seated on brake arm pin

- (1) Rear brake lever  
(2) Thole (3) Adjustment nut



- (A) To decrease free play  
(B) To increase free play

## **AIR CLEANER**

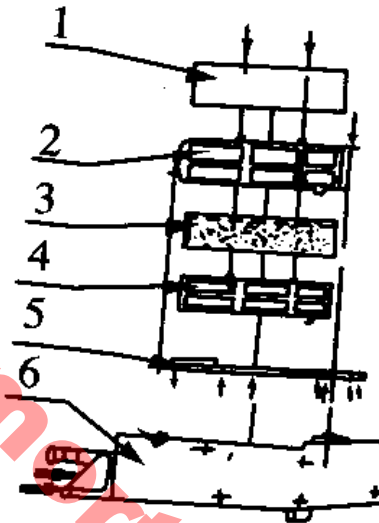
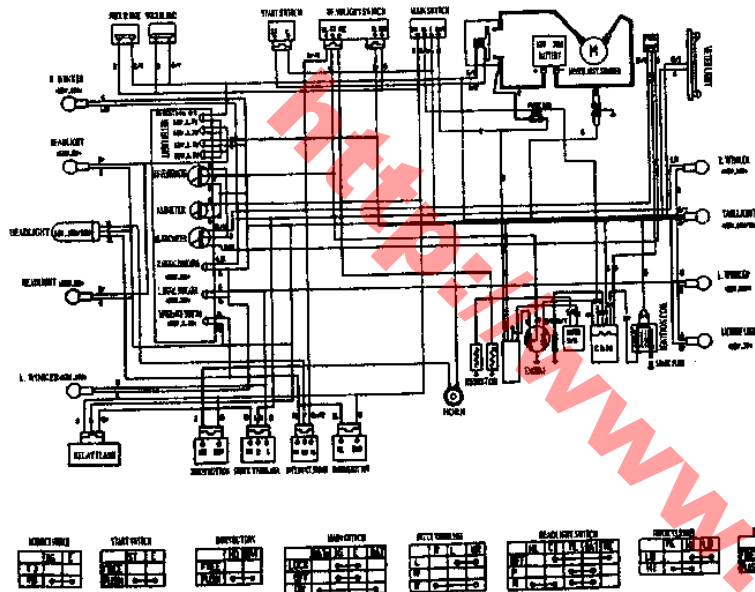
### **Maintain**

Under one of these conditions needs to clean:

- 1)The motorcycle use the twice air cleaner.
- 2)After every 1000km
- 3)Motivity is decreasing.
- 4)Oil detrititons is increasing.
- 5)The entry is dirty.

The way of clean:

- 1)According to chart (on page 30)removal the air cheaner entry comp.
- 2)Use clean water to wash filter sponge.
- 3)Dry it in the sun before using.



**NOTE**

Do not use petrol or oil solvent to wash the filter sponge and use broken sponge. Avoid wetting the air cleaner when wash motorcycle.

**CAUTION**

Fitting air cleaner in right way to prevent the cylinder from dust and to increase the longevity of engine.

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### MAINTAIN SCHEDULE

Perform PRE-RIDE INSPECTION during maintenance period.

(I:Inspect C:Clean A:Adjust R:Replace T:Tight)

ITEM	ODOMETER READING													INSPECT
	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	
Gear oil	R					R								
Spark plug	Cor change after every 100kms.													
Engine oil	R	R	R	R	R	R	R	R	R	R	R	R	R	I
Igniting		A			A				A			A		
Stomatic gap		A			A				A			A		
Shaft cam chain		A			A				A			A		
Carburtor			I		I				I	I		I		

ITEM	ODOMETER READING													INSPECT
------	------------------	--	--	--	--	--	--	--	--	--	--	--	--	---------

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Air cleaner	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	
Battery electrolyte		I	I	I	I	I	I	I	I	I	I	I	I	I
Fule filter	Cafter every 1000kms ,if necessary,chanh it													
Engine oil pump			I		I		I		I		I	I		
Brake system			I	I	I	I	I	I	I	I	I	I	I	I
Nutsand Bolts	T		T		T			T		T			T	
Exhaust gas Consistency	Often I,A to avoid polluting air.													

These itmms should be serviced by an authorized dealer,unless you hsrve the proper tools and service chart and are skilled at servicing .Refer to shop Manual.

For safety reasons,these items are recommended and are serviced only by an authorized dealer.



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### SPECIFICATIONS

ENGINE TYPE	SINGLE AIR-COOLED, 4 STROKE	DRY WEIGHT	110KG
DISPLACEMENT	125.00ml	MAX. LOAD	150KH
STARTER TYPE	ELECTRIC/KICK STARTER	WHEEL SIZE	FR: 3.50-10 RR: 3.50-10
CLUTCH	DRY, INNER-FLOWING AUTOMATIC CENTRIFUGAL	FUEL TANK CAPACITY	5.0L
LUBRICANT MODLE	SEPARATE LUBRICATION	FUEL	OVER 90# UNLEADED PETROL
TRANSMISSION TYPE	STEPLESS	BATTERY	12V 7AH
MAX. SPEED	85.0KM/H	FUSE	10A
TOTAL LENGTH	1940mm	SPARK PLUG	C7HAS(NGK)
TOTAL WIDTH	725mm	SPARK PLUG GAP	0.6-0.7MM
TOTAL HEIGHT	1140mm	ENGINE OIL LINCENSENO.	SAE 10W-30/40
WHEEL BASE	1345mm	ECONOMICAL SPEED CONSUMPTION OF FUEL	≤ 2.8L/100KM
GROUND CLEARANCE	105mm		

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