

FOREWORD

Dear JUPITER Owner,

Thank you for choosing TVS JUPITER, a stylish scooter with all new CVT-i Engine & many class-leading features. As a proud owner of TVS JUPITER, you are now part of a family of millions of satisfied TVS customers.

With TVS JUPITER, riding comfort enters a new dimension. This innovative mobility embodies a combination of class-leading features and style unprecedented in the two-wheeler segment. Its unique vehicle design and superior ergonomics makes it a scooter which gives you more in every aspect.

This manual explains the features and operations of your TVS JUPITER. Kindly read it carefully and follow the instructions to enjoy years of safe riding. To ensure reliable performance, we urge you to get your TVS JUPITER serviced only at TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres at specified regular periodic intervals.

We welcome you once more to a world of comfortable and easy riding!

TVS MOTOR COMPANY LIMITED

NOTICE

All information, illustrations, photographs and specifications contained in this owner's manual are based on the latest product information available at the time of this publication. TVS Motor Company Limited may, however incorporate modifications or improvements on its vehicles at any time without notice and therefore, in such events it is possible that the relevant part of the owner's manual does not apply to your vehicle.

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NOTE

Accessories shown in the picture may not be part of the standard equipment.

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CONTENTS

	Unique Feature of TVS JUPITER	03
	Information	07
	Safe Riding Tips	08
	Know your TVS JUPITER	11
	Riding your TVS JUPITER	27
	Maintenance	31
	Services Record Sheet	47
	Technical Specifications	49

UNIQUE FEATURES OF TVS JUPITER



ECONOMETER®

Your speedometer has ECONOMETER® which indicates whether you are riding in Economy Mode or Power mode. This is unique feature of your scooter which guides you to ride your scooter fuel efficiently. Refer page 17 for details.



UNIQUE PASS-BY SWITCH (First Time in Scooters)

Pass-by Switch is a feature first time introduced in scooters ever. It allows you to easily switch between high & low beam of the headlamp with easy press and auto release. It is helpful especially while overtaking. Refer page 19 for details.



EXTERNAL FUEL FILL

No other Scooter offers you this unique facility. You can get petrol filled without even getting out of your seat.



RETRACTABLE BAG HOOKS

Your scooter has two retractable Bag Hooks to carry light luggage like carry bags weighing upto 3 kg. One hook is located below the handle bar on the rear panel and the other one is located on the cover front below the front end of seat.



TUBELESS TYRES

Another important unique feature in your scooter is "Tubeless Tyres". Tubeless tyres reduce the chances of getting punctured. Even if there is a puncture, sudden leakage of air is avoided, thereby provide better safety and convenience. It is also very easy to repair the punctured tyres.



UNIQUE FEATURES OF TVS JUPITER

TELESCOPIC FRONT & GAS FILLED REAR SHOCK ABSORBERS

Your Scooter has Motorcycle-like Telescopic Front Suspensions for extreme comfort and Gas Filled Shock Absorber in the rear for excellent riding comfort even on bad roads.



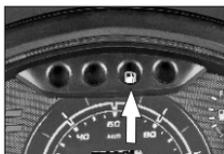
MFR HEADLAMP

Your scooter has a "Multi Focal Reflector" brightest headlamp with 'Halogen bulb' for better visibility in dark. It also has stylish twin pilot lamps on either side of the headlamp for city riding.



LOW FUEL INDICATOR

Low Fuel Indicator- is yet another unique feature of your scooter which indicates you to refill the fuel, when the fuel in the tank goes below minimum safe level. Refer page 18 for details.



PATENTED E-Z CENTRE STAND

E-Z Centre Stand of your scooter reduces the effort required to place the scooter on stand. Refer page 22 for operating procedure.



ALL BLACK LARGER ALLOY WHEELS

All Black Larger Black Alloy Wheels with high mechanical advantage gives progressive braking of your scooter, results in best-in-class 'shortest distance' braking. It also provide superior comfort in bad road conditions.



LED TAIL LAMP-CUM-BRAKE LAMP

Your scooter has a LED Tail Lamp-cum-Brake Lamp for better visibility and stylish looks.



UNIQUE FEATURES OF TVS JUPITER



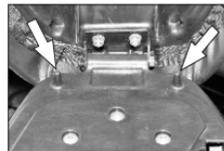
PARKING BRAKE (REAR BRAKE LOCK)

Parking Brake is another unique safety feature which protects your scooter from falling due to wheel rotation when it is parked with the side stand on a slope. Refer page 19 for details.



HELMET HOOKS

Your scooter has two helmet hooks under the seat assembly at the front end of utility box to secure your helmet. Refer page 25 for details.



IGNITION LOCK WITH SECURITY SHUTTER

Security Shutter on the ignition lock is a unique feature for an additional safety of your scooter.

Security shutter protects the use of key other than the original supplied along with your vehicle. Refer page 16 for operating procedure.



INTELLIGENT TCI

Your scooter's fuel efficient engine uses Intelligent TCI Inbuilt with variable timing modes, makes sure that you get the best from your engine.



UNDER-SEAT STORAGE (UTILITY BOX)

Your scooter has a 17 litre under-seat storage space to carry your luggage belongings, full face helmet etc., refer page 24 for details.



AUTO FUEL COCK

Your scooter has an Auto Fuel Cock which supplies the fuel based on the engine suction. It is not necessary to switch the fuel cock 'ON' and 'OFF' manually.



UNIQUE FEATURES OF TVS JUPITER



SEAT-CUM-FUEL TANK CAP LOCK

Your scooter has a Dual lock for opening the seat assembly and fuel tank cap. You can open the fuel tank cap without even getting down from the scooter, refer page 21 & 23 for operating procedure.

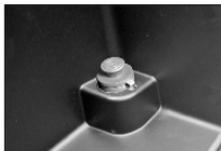


ACCESSORIES FOR YOUR VEHICLE

MOBILE CHARGER SOCKET

Mobile Charger Socket is supplied as an optional accessory for your scooter. Location for the socket is provided inside the utility box.

Contact nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres for fixing the socket. Refer page 26 for usage details.



INDICATOR BUZZER

Your scooter has an electronic buzzer which alerts you that the turn signal indicators are 'ON'. This buzzer comes as a mandatory accessory.

** Mandatory and optional accessory will be charged extra*

SAFETY INFORMATION

Operating this vehicle safely is an important responsibility of the rider. To help you make decisions about safety, we have provided operating procedure and other information in this manual. This information alerts you on potential hazards that could hurt you or others. Since it is not possible to warn you about all hazards associated with operating or maintaining the vehicle, you must use your own judgement.

You will find important safety information in following form with corresponding connotations in this manual:

WARNING

Disregarding this message might result in injury to the rider.

CAUTION

This message indicates special procedures or precautions to be followed to avoid damage to the vehicle.

NOTE

This message provides further clarification for clearer understanding of any particular information.

RUNNING-IN INFORMATION

The first 1000 km is a crucial part for the life of your TVS JUPITER. Proper running-in operation during this period helps in ensuring a maximum life and smooth performance of your scooter.

The reliability and performance of your TVS JUPITER depends on the special care and restraint exercised during the running-in period. It is especially important that you avoid operating the engine in a manner, which could expose the engine parts to excessive stress. Maximum recommended speed during the running-in is:

Maximum 50 kmph speed upto 1000 km (vary the engine speed for better mating of parts).

The first service at 500 ~ 750 km is most important. During running-in period all the engine components and other parts will have set in. All adjustments to be restored, all fasteners to be tightened. Engine cum transmission oil to be replaced. Timely performance of the first service will ensure optimum service life and performance from the engine.

SAFE RIDING TIPS



SAFE RIDING RECOMMENDATIONS

Any two wheeler riding requires some precautions to be taken to ensure the safety of the rider, pillion and other road users. These precautions are:

FAMILIARISE YOURSELF WITH NEW TVS JUPITER

Riding skill and your mechanical knowledge form the foundation of safe riding practices. We suggest you to practice riding TVS JUPITER in a low-traffic condition until you are thoroughly familiar with your vehicle and its controls. Remember practice makes you perfect.

RIDING APPAREL

Loose, fancy clothing can be uncomfortable and unsafe when riding a two-wheeler. Choose good quality two wheeler riding apparel.

KNOW YOUR LIMITS

Ride within the boundaries of your own skill at all times. Knowing these limits and staying within the limits will help you avoid accidents.

POSTURE

Proper vehicle riding starts with proper posture.

1. Keep your elbows inside close to the body and flexible.
2. Hold your arms at an angle of about 120°.
3. Hips should be in a position so that arms and shoulders are relaxed.
4. Look widely instead of gazing at one point.
5. Relax to guard against a sudden impact.
6. Point the toes straight ahead.

WARNING

Two wheeler safety equipment starts with a safety helmet of good quality. One of the most serious injuries that can happen is a head injury. Always wear good quality helmet. You should also have good suitable eye protection.

One-hand riding is dangerous. Keep both hands firmly on the handle bar and both feet securely on the floor board. Under no circumstances should both the hands be removed from the handle bar, as it is very dangerous. Avoid use of mobile phones while riding as it could lead to fatal accident.

CORNERING

When cornering, centrifugal force works in a direction perpendicular to the direction in which the vehicle is moving. Centrifugal force increases in proportion with speed and radius of the corner.

During cornering, reduce speed so as to lessen the effects of

SAFE RIDING TIPS



centrifugal force. By all means, avoid abrupt application of brake or sudden steering.

WARNING

Slow down to a safe speed before negotiating a corner. If this is the first time that you are riding a vehicle of this type, we suggest that you practice on a safe, open area to become thoroughly familiar with the operation of the vehicle.

BRAKING

For safe riding, it is very important to master the braking techniques.

1. Close / release the throttle.
2. Hold the vehicle upright as you apply the brake.
3. Progressive application of brake is safer.
4. Apply both the brake.
5. Riding down hills, while cornering and wet roads close throttle and come to a slower speed to avoid the loss of control over the vehicle due to skidding.

Causes for poor braking

1. If the brake shoes or drum are worn out or if there is water or oil on them, sufficient friction does not develop and brakes do not work well.
2. Even when the brake works normally, if the road surface

is wet or the tyre surface is worn-out, tyres do not take a firm hold on the surface, increasing the stopping distance.

3. Approximately 40% braking effect is from front brake. Non-usage of front brake causes poor braking.

WARNING

As the vehicle speed increases, the stopping distance also increases progressively. Be sure that, you have sufficient distance between you and the vehicle or obstruction ahead of you.

Using only the front or rear brake is dangerous and can cause skidding and loss of control. Apply both the brakes together and with great care on a wet road or other slippery surfaces. Any abrupt braking on slippery or irregular roads can cause loss of rider control.

ACCESSORY INSTALLATION AND SAFETY TIPS

Use extreme caution while selecting and installing the accessories for your scooter.

The addition of unsuitable accessories can lead to unsafe operating conditions. Your friendly Dealer will assist you in selecting quality accessories and installing them correctly.

While selecting the accessories, make sure the accessories

SAFE RIDING TIPS

should not obstruct lighting, steerability, suspension level and ground clearance.

Additional electrical equipments and controls should not exceed the specified electrical system load of the vehicle (capacity of battery and magneto).

EMISSION CONTROL

All the TVS vehicles are tested in the factory for optimum fuel efficiency and lowest possible CO levels. Do not disturb the Carburettor settings as this may lead to higher fuel consumption and also higher CO levels.

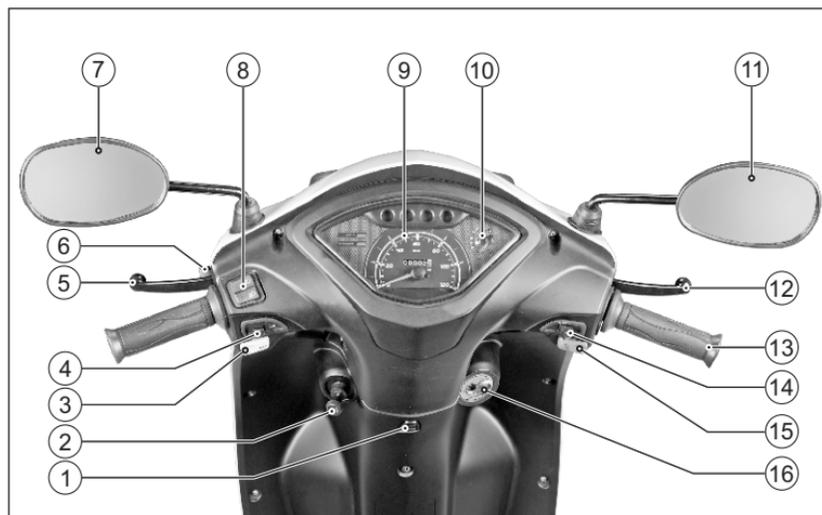
If the vehicle needs any adjustments, please consult nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

While adequate care is exercised at the factory to ensure that the emissions are within the limits, it is essential for the owner to always maintain the scooter in good condition by getting it periodically checked and serviced by TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres so that the emission and fuel consumption levels are maintained as per norms.

NOTE

Get your vehicle certified by the Government authorised emission testing stations at specified intervals.

LOCATION OF PARTS - HANDLE BAR



1. Bag hook (front)
2. Choke knob
3. Horn switch
4. Turn signal lamp switch
5. Rear brake lever
6. Parking brake (rear brake lock)
7. Rear view mirror L
8. High/low beam cum pass by switch
9. Speedometer assembly
10. Fuel gauge
11. Rear view mirror R
12. Front brake lever
13. Throttle grip
14. Lights ON/OFF switch
15. Electric starter switch
16. Ignition cum steering lock

LOCATION OF PARTS - VEHICLE LEFT SIDE



1. Rear brake adjusting nut
2. Lady foot rest - foldable*
3. Kickstarter lever
4. Effortless easy center stand
5. Side stand*
6. Pillion foot rest L
7. Speedometer cable
8. Front brake adjusting nut
9. Seat cum fuel tank cap lock
10. Pillion handle

* Mandatory and optional accessory will be charged extra

KNOW YOUR TVS JUPITER



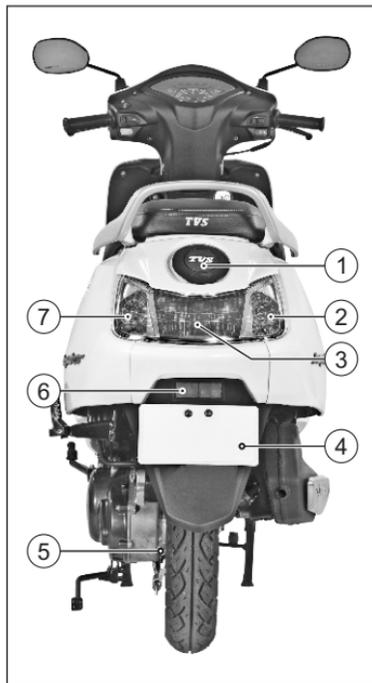
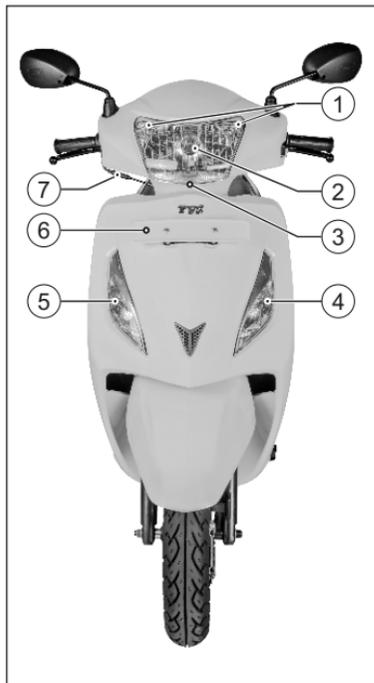
KNOW YOUR TVS JUPITER

LOCATION OF PARTS - VEHICLE RIGHT SIDE



1. Front wheel axle nut
2. Bag hook (rear)
3. Cover front
4. Pillion foot rest R
5. Gauge oil level
6. Muffler assembly
7. Rear fender
8. Seat assembly
9. Bag hook (front)

LOCATION OF PARTS - VEHICLE FRONT & REAR



FRONT

1. Position lamps
2. Head lamp
3. Head lamp focus adjuster
4. Turn signal lamp front LH
5. Turn signal lamp front RH
6. License plate front*
7. Throttle cable adjuster

REAR

1. Fuel tank cap
2. Turn signal lamp rear RH
3. Tail / brake lamp
4. Licence plate rear*
5. Transmission oil level bolt
6. Reflex reflector
7. Turn signal lamp rear LH

* Mandatory accessory will be charged extra

KNOW YOUR TVS JUPITER



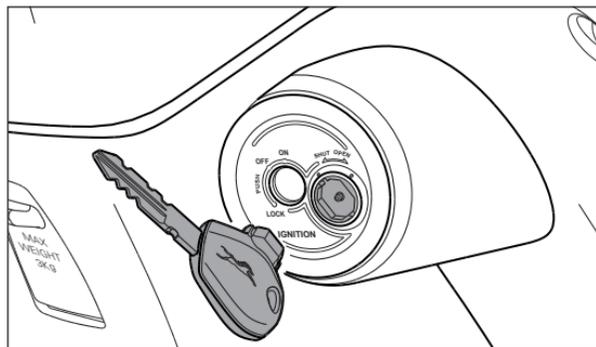
CONTROL KEY

TVS JUPITER comes with a pair of identical control keys. These keys are to operate ignition cum steering lock (including safety shutter), seat lock and fuel tank cap.

IGNITION CUM STEERING LOCK

TVS JUPITER has a safety shutter in the ignition cum steering lock for an additional safety.

To open the safety shutter, align the key head to the safety shutter hole by matching the projections of key head to the slots of the shutter knob hole and turn it in clockwise direction.



There are three positions in the ignition lock

1. 'OFF' position

All the electrical circuits are turned 'OFF' in this position. Engine will not start. Key can be taken out.

2. 'ON' position

In this position, all the electrical circuits are turned 'ON' and the engine can be started now. Key cannot be removed in this position.

3. 'LOCK' position

TVS JUPITER steering can be locked in both left and right directions.



KNOW YOUR TVS JUPITER



To lock the steering, turn the handle bar all the way to the left or right. Push the key in and turn it to the 'LOCK' position and then take out the key. All the electrical circuits are turned 'OFF' in this position.

Safety shutter can be closed in the reverse order of opening.

WARNING

Never attempt to move the vehicle when the steering is locked, you may lose balance.

CAUTION

Leaving the ignition cum steering lock in 'ON' position will drain the battery when the vehicle is not in use. "Switch Off" and take the key out when the vehicle is not in use. For safety, always lock the steering and close the safety shutter while parking.

NOTE

Anti corrosion spray can be sprayed on the shutter release knob in regular intervals to avoid stuck-up of shutter due to corrosion.

SPEEDOMETER ASSEMBLY

1. Speedometer

Indicates vehicle speed in kilometers per hour.



2. Economy and power indicators

Eco indicator (green lamp) indicates that the vehicle is running in economy mode which gives better fuel economy. Power indicator (amber lamp) indicates that the vehicle is running in power mode which results in reduced fuel economy.

NOTE

Always ride the vehicle in economy mode for better fuel economy.

Whenever the vehicle is switched 'OFF' and started again, if the engine is kept running in idle mode for more than 110 seconds approx, the power mode indicator blinks and informs you that the fuel is getting wasted and the engine needs to be switched 'OFF' to save the fuel.

KNOW YOUR TVS JUPITER



Similarly, during running, if the vehicle is kept more than 20 seconds in idling mode, the power mode indicator blinks and warns again.

If the battery voltage is very low, power mode lamp will glow once you switch 'ON' the ignition key till you start the vehicle. Electric starter will not work in this condition. Use kick starter only. Contact TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

3. Turn signal indicator lamp left

Flashes when the left side turn signal indication is activated.

4. High beam indicator lamp

High beam indicator lamp glows either when the head lamp high beam or the pass-by is activated.

5. Low fuel warning indicator lamp*

"Low Fuel Indicator (LFI)" is a safety indicator to caution you to fill the petrol as soon as possible. Minimum 600 ml petrol will be available in the tank when this indication comes "ON".

6. Turn signal indicator lamp right

Flashes when the right side turn signal indication is activated.

7. Fuel gauge

Fuel gauge indicates the approximate quantity of fuel available in the fuel tank.

8. Odometer

Registers and displays the total distance covered by the vehicle in kilometers. The last digit denotes one tenth of a kilometer.

* 'LFI' is not a mileage calculating medium and it should not be used for measurement of fuel consumption

HANDLE BAR LEFT SIDE

1. Horn switch

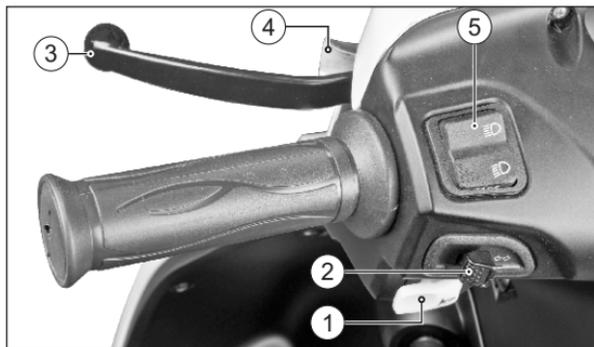
Press the knob '  ' to operate the horn.

2. Turn signal lamp switch

Push the turn signal lamp switch knob to left '  ' or right side '  ' to operate respective turn signal lamps (LH / RH). Press the knob to turn 'OFF'.

3. Rear brake lever

The rear brake is applied by squeezing the rear brake lever gently towards the handle grip. The brake lamp glows on application of rear brake.



4. Rear brake lock lever

Rear brake lock is useful when your scooter is parked with side stand on a slope to avoid falling.

To apply the rear brake lock, squeeze the rear brake lever fully towards the grip as much required, by holding it as it is press and hold the brake lock lever. Now release the brake lever and ensure the brake is locked properly.

To release the rear brake lock, squeeze the rear brake lever further in and the lock will release automatically, then release the brake lever.

5. High/low beam cum pass by switch

With the head lamp switch in 'ON' condition, press the

high/low beam switch towards '☺' to operate the head lamp high beam and towards '☹' to operate the head lamp low beam.

⚠ WARNING

Always use the appropriate turn signal lamps when you intend to change lanes or take turns. Be sure to switch 'OFF' the turn signal lamps after negotiating the lanes or turns.

TVS JUPITER has a combined switch for head lamp high/low beam and pass by. To operate the pass by, keep the switch in 'low beam' position, press gently and release. This makes the head lamp high beam to flash and signal the approaching vehicle. The pass by signal can be used while overtaking during day time.

⚠ WARNING

Use appropriate head lamp beam high/low as per the traffic and road conditions for your safety and to avoid inconvenience to other riders.

HANDLE BAR RIGHT SIDE

1. Front brake lever

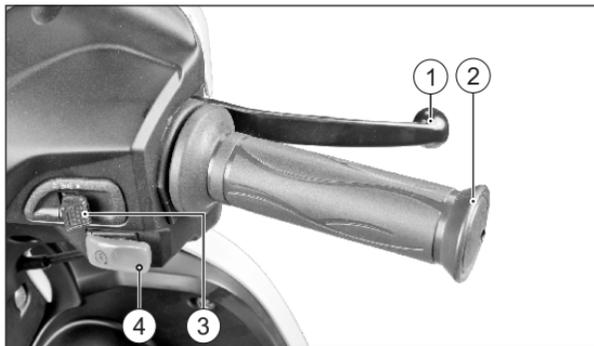
The front brake is applied by squeezing the front brake lever gently towards the throttle grip. The brake lamp glows on application of front brake.

KNOW YOUR TVS JUPITER



2. Throttle grip

Engine speed is controlled by the rotation of the throttle grip. Twist it towards you to increase the engine speed and twist it away from you or release it to decrease the engine speed.



3. Lights switch

Light switch has the following positions. Working of switch at various position are as follows:

- OFF: All the lamps are turned 'OFF' when the switch is positioned at '●' even though the engine is running.
- PO: Position lamps, speedometer back illumination, tail and number plate lamp glows when the switch is

positioned at '☰' and engine is running.

- ON: The head lamp also glows along with the above lamps when the switch is positioned at '☀' and engine is running.

4. Electric starter switch

Press the starter switch '⚡' to start the engine electrically along with the application of either front or rear brake.

⚠ CAUTION

For cold starts, avoid using electric starter. Use kickstarter. This would reduce load on battery and prevents quick drain.

CHOKE KNOB



KNOW YOUR TVS JUPITER



Pull the choke knob fully to operate the carburettor choke. During cold start, pull the choke knob and start the vehicle using electric starter or kicklever without opening / with less opening of throttle.

Once the engine is started and running stable, release the choke by pushing choke knob to its original position and ride the vehicle.

WARNING

Always use choke for starting the cold engine. Never open the throttle fully when the choke is applied. It may lead to flooding of fuel and difficulty in starting.

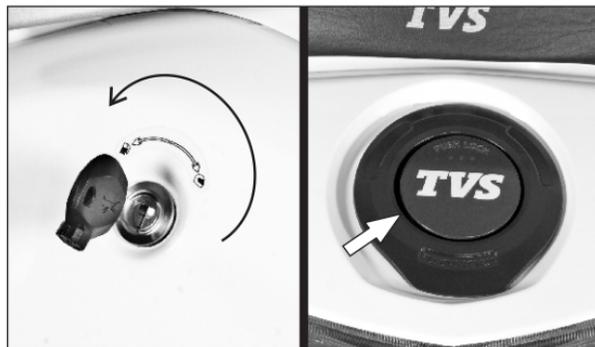
FUEL TANK* CAP

Fuel tank is located at the rear side of the vehicle below the pillion holder.

To open the fuel tank cap, insert the control key into the 'seat / fuel tank cap lock' and turn it in anti-clockwise direction. The fuel tank cap opens automatically. To close the cap, gently press the cap in its position and ensure locking by hearing 'click' sound.

WARNING

Never refill fuel near open flame. Do not smoke while refueling. Do not use cell phones while refueling.



* The fuel tank is not a measuring instrument and the capacity of the fuel tank may slightly vary from the indicated capacity.

CAUTION

Ensure that the fuel gun is inserted fully in the tank neck while refueling.

Whenever refueling, fill upto the bottom of neck portion (insert level) of the fuel tank. Filling above the neck may result in improper breathing of fuel tank and seepage of fuel.

While refueling, avoid spillage of petrol on the tyre. If fuel spills on tyre, the tyre will lose its grip on the road. Ensure to close fuel tank cap without fail to avoid fuel spillage.

KNOW YOUR TVS JUPITER



KICKSTARTER LEVER

The kickstarter lever is located on the left side of the vehicle. To start the vehicle, keep the ignition in 'ON' condition and apply the rear brake as a safety precaution to prevent the rear wheel rotation.

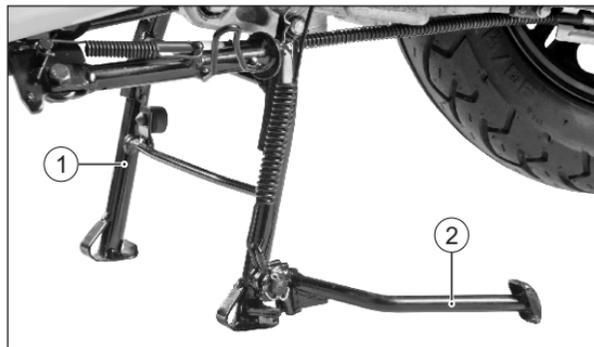
Keep your foot on the lever extension as shown in the figure. Kick the lever from top and stroke to bottom with rapid motion.



EFFORTLESS E-Z CENTRE STAND

TVS JUPITER is equipped with an effortless centre stand. The centre stand (1) has a pivoted flexible spring loaded lever arm (stand extension) (2) to increase the lever ratio, which

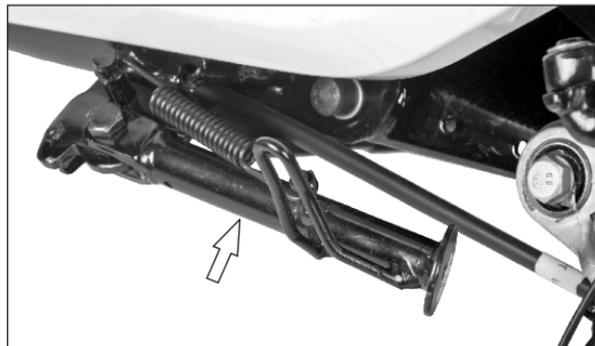
enables parking on centre stand effortlessly and very conveniently.



CAUTION

Never sit on vehicle when it is supported by stand. Always park the vehicle on a flat, firm surface.

To place the vehicle on centre stand, hold the handle bar left grip with left hand. Place your foot firmly on the centre stand extension (2) and press.



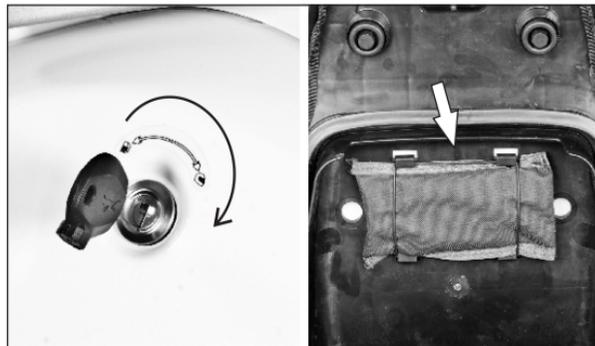
SIDE STAND*

Side stand can be operated by sitting on vehicle with your left foot by pushing it away from the vehicle till it stops.

⚠ WARNING

Always release the side stand to its full up position before moving the vehicle.

TOOL KIT



KNOW YOUR TVS JUPITER



To assist you in performing certain aspects of periodic maintenance and emergency repairs, a tool kit is supplied along with the vehicle and it is located below the seat base.

To access the tool kit, open the seat assembly by inserting the control key into seat lock and rotating it clockwise and lift the seat assembly. The tool kit consists one number each of the following. Ensure the contents of tool kit.

1. 16x17 mm box spanner
2. 10x12 mm spanner
3. Combination screw driver bit
4. Screw driver handle
5. Tommy bar
6. Ring spanner
7. Tool bag

CAUTION

It is recommended to use the tool kit in case of any emergency only. It is always advisable to take your vehicle to TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

UTILITY BOX

Utility box is located below the seat. Lift the seat by unlocking the seat lock as explained earlier, to access the utility box. A separate cover (A) is provided inside the

utility box. Remove this cover to access the carburettor for servicing purpose.



WARNING

Operating the TVS JUPITER overloaded will hamper riding stability and may lead to loss of control. Hence, it is advisable to carry the recommended amount of load only.

CAUTION

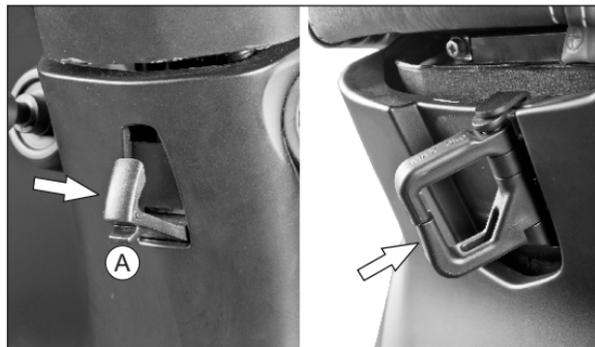
Utility box can be used to carry a load of 10 kg maximum. Do not carry perishable items inside the utility box. It is not fully sealed. Do not allow / spray water to get inside the utility box. Take care not to spill petrol or oil into the utility box. Do not keep heat-sensitive items inside as it may get hot on long rides. Do not keep valuable items inside the utility box when leaving the vehicle unattended.

KNOW YOUR TVS JUPITER



HELMET HOOKS

Two helmet hooks are provided under the seat assembly at front end near the seat hinge to secure your helmet. Open the seat assembly (refer page 23) to access the helmet hooks. Hook the helmet strap in the helmet hook properly and close the seat assembly.



Similarly, the other one is located on the cover front below front end of the seat assembly. Pull out the hook from its position. Open the top lid and hang your cargos. Lid will get close automatically. Push back the hook to its original position once it is free.

BAG HOOKS

There are two bag hooks provided with your scooter to carry light luggage like carry bags weighing upto 3 kg. One hook is located below handle bar on the rear panel. Just pull out the hook from the top (A) to hang your luggage. Push back the hook once it is free.

CAUTION

Care should be taken not to attach the luggage which hangs out of your scooter. Please note that the luggage attached to your scooter should not interfere your feet movement.

KNOW YOUR TVS JUPITER



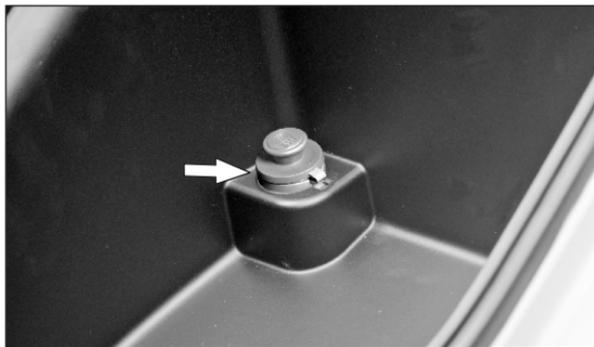
SOCKET MOBILE CHARGER*

This socket enables you to charge the mobile phone when you are traveling. Open the seat assembly to access the socket mobile charger.

The mobile can be kept inside the utility box during charging. Please go through the operating manual of the mobile phone and use a suitable adaptor for the battery operation recommended by the mobile phone manufacturer for that particular model.

Also follow the instructions given below:

1. Use this socket only for charging the mobile phone, do not connect any other accessories (cigarette lighter, walkman, torch light etc.).



2. We recommend to use this socket for charging during engine running only.
3. Do not use this socket with engine in 'OFF' condition which can lead to battery discharge.

⚠ CAUTION

Secure your mobile phone properly during charging and protect it from any liquid, dust etc.

Take the mobile phone and the adaptor along with you while the vehicle is parked or unattended.

4. Use of wrong adapter may cause damage to the mobile phones. TVS Motor Company will not be responsible for damages caused due to the use of non standard adaptor.
5. Close the socket mobile charger using the cap provided with it when it is not in use to avoid dust / water entry.
6. Ensure that the socket is in closed condition during water wash. Also do not direct water jet towards the socket to avoid short circuit.
7. Do not apply any grease, oil, soap solution etc., inside the socket mobile charger.

* *Optional accessory will be charged extra*

PRE RIDE INSPECTION

Check the following items before riding.

ITEM	WHAT TO CHECK FOR
Engine oil	Availability of oil upto the level (page 39)
Transmission oil	Availability of oil upto the level (page 39)
Fuel	Enough fuel for the planned distance of running
Tyres	Correct pressure (Page 42) Adequate tread depth No cracks or cuts.
Battery	Proper working of electric starter, horn, fuel gauge, pass by, brake lamp and turn signal lamps. Electrolyte level (page 36)
Lighting	Proper working of head lamp high/low beam, high beam indicator, position lamps, speedo back illumination, tail lamp and number plate lamp.
Steering	Smooth movement No play or looseness
Throttle	Correct free play of cable Smooth operation
Brakes	Correct front and rear brake lever play (page 40)
Wheels	Free rotation

RIDING YOUR TVS JUPITER



STARTING THE ENGINE

Ensure availability of fuel in the fuel tank. Insert the control key into the ignition switch cum steering lock and turn it to the 'ON' position. Apply any one of the brakes and press the electric starter switch to start electrically or kick start the engine.

When the engine is cold

- ❑ Pull the choke knob to fully and start the engine using kick starter with no opening / very less opening of throttle.
- ❑ Once the engine is started and running stable, release the choke by pushing choke knob to its original position and ride the vehicle (when the engine is warm / hot do not use choke).

SETTING THE VEHICLE IN MOTION

1. Twist the throttle grip towards you and simultaneously release the brake lever gently and smoothly. The vehicle will start moving forward.
2. As the vehicle picks up speed, increase the throttle slowly.

WARNING

Do not run the engine in indoors where little or no ventilation available. Exhaust gas is extremely poisonous.

CAUTION

Do not raise the throttle rapidly so the vehicle will move forward suddenly and lead to loss of control.

Do not keep the engine in idling rpm for long and do not open excessive throttle when engine is idling and the vehicle is parked, it leads to overheating of the engine and damage to internal components.

STOPPING AND PARKING

1. Close the throttle completely and apply both the brakes simultaneously.
2. Turn the ignition 'OFF'.
3. Park the vehicle on a firm, flat surface.
4. Lock the steering and take out the control key. Finally close the safety key shutter lock.

WARNING

Reduce speed to a safe limit before turning / cornering. It is not advisable to apply brakes while turning / cornering.

FUEL RECOMMENDATION

Use unleaded petrol only.

The petrol should be 85 to 95 octane by research method. Use recommended fuel additives for longer life of engine components and lower maintenance.

CAUTION

Never mix oil in petrol in the fuel tank. Always fill fuel from the reputed and reliable fuel stations.

NOTE

Use fuel additives in petrol as recommended by the respective manufacturer for low carbon deposition.

CHECKS AND TIPS FOR IMPROVING FUEL ECONOMY

Regular checks

Carry out the periodic maintenance checks as specified in this manual. (pages 32 to 34)

Regular maintenance checks will save fuel and ensure trouble-free, enjoyable and safe riding besides keeping environment clean.

Spark plug

A dirty or defective spark plug leads to wastage of fuel due to incomplete combustion. Clean and adjust the spark plug

only if necessary. Replace the spark plug every 12000 kms (1 year). Always use recommended spark plug only.

Air cleaner element

A dirty air cleaner restricts airflow and increases fuel consumption. Replace the air cleaner element every 12000 kms. Since viscous filter is used in your scooter it is not recommended to clean the filter. Replace the filter incase of any abnormalities.

Engine oil and Transmission oil

Dirty or less engine oil increases friction between various parts of engine and reduce the engine life, thereby increases the fuel consumption.

Running with low transmission oil will cause damage to the gears and bearings.

Regularly inspect engine oil and transmission oil for correct level and top-up if necessary. Get it replaced at regular intervals as per the maintenance schedule.

Fuel leak

Inspect and arrest fuel leaks if any from tank, carburettor and fuel lines. Loss of fuel due to leak may drain the fuel tank completely.

RIDING YOUR TVS JUPITER



Evaporation

Vehicle parked in the hot sun leads to wastage of fuel through evaporation. Also lower fuel levels in the tank will have increased evaporation and condensation of moisture inside.

Ensure to close fuel tank cap after every filling, if the fuel tank cap kept open for long time, it leads to fuel loss and hazard to safety also.

Tyres

Low tyre pressure has adverse effect on a vehicle. The drag on the vehicle increases resulting decreased fuel economy. Further more, handling may be adversely affected.

Inspect the tyre pressure regularly (weekly) and inflate it to the recommended pressure (refer page 42). Never use tyres, which are worn beyond the permissible limit.

Wheel freeness

Inspect and ensure the wheel freeness by rotating the wheel at least once in a week to avoid wastage of fuel.

Avoid unnecessary idling

While waiting for someone or stopping in signals for long time, if the engine is kept running at idle speed, it causes

unnecessary wastage of fuel.

Avoid frequent braking

Anticipate corners and slopes as well as the traffic conditions. Unnecessary and frequent braking will reduce the fuel economy. Never accelerate and apply brake simultaneously. It leads clutch shoes wear and wastage of fuel.

MAINTENANCE SCHEDULE

The maintenance schedule indicates the intervals between periodic services. At the end of each interval, be sure to inspect, check, replace, adjust, lubricate and service as instructed. If the maintenance is not done periodically, it will result in rapid wear and severe damage to the vehicle. If the vehicle is used under high stress conditions such as continuous full throttle operation or if used / operated in dusty climate, certain jobs should be performed more often to ensure reliability of the vehicle. Cylinder head, steering components, suspension and wheel components etc., are key items and require very special and careful servicing. TVS Motor Company Limited strongly recommends that the jobs as per the maintenance schedule be performed by your TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

Periodic inspections may reveal one or more parts that may need replacement. Whenever replacing parts on TVS JUPITER, it is recommended that you use only the TVS Motor Company Genuine parts.

CAUTION

Proper running-in and maintenance are mandatory for ensure certain activities that your vehicle is reliable and gives optimum performance at all times. Be sure that the periodic maintenance is performed thoroughly in accordance with the instructions given in this owner's manual.

In more dusty areas, the air cleaner element may required early replacement than the mentioned kilometers to avoid costly damage to the engine.

PERIODIC MAINTENANCE SCHEDULE (months or km whichever occurs earlier)

ITEM	Period Km	PERIODIC SERVICES								
		1 month 500 - 750	3 months 2500- 3000	6 months 5000- 6000	9 months 8500- 9000	12 months 11500- 12000	15 months 14500- 15000	18 months 17500- 18000	21 months 20500- 21000	24 months 23500- 24000
Engine oil		R	I & T	R	I & T	R	I & T	R	I & T	R
Oil strainer		C	-	C	-	C	-	C	-	C
Transmission oil		R	-	R	-	R	-	R	-	R
Spark plug		-	-	-	-	R	-	-	-	R
Air cleaner element		-	-	-	-	R	-	-	-	R
Air cleaner oil collection tubes ¹		-	I & DR	I & DR	I & DR	I & DR	I & DR	I & DR	I & DR	I & DR
SAI filter element		-	-	I & C	-	R	-	I & C	-	R
CVT filter		-	-	I & C	-	R	-	I & C	-	R
All breather hoses (engine)		-	I & C	I & C	I & C	I & C	I & C	I & C	I & C	I & C
Tappet clearance		-	-	-	-	I & A	-	-	-	I & A
Carburettor assembly & breather ²		-	-	-	-	C & TU	-	-	-	C & TU
Drive belt and CVT rollers -		-	-	-	-	-	-	-	R	
Clutch shoe wear ³		-	-	-	-	-	-	-	-	I
Cover variator & kick starter ⁴		-	-	C & L	-	C & L	-	C & L	-	C & L
Fuel hoses		-	-	-	-	I	-	-	-	R
Throttle operation		-	-	I & L	-	I & L	-	I & L	-	I & L
Throttle cable free play / operation		I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A
Steering smooth operation / play		I	I & A ⁵	I	I	L & A	I	I	I	L & A

PERIODIC MAINTENANCE SCHEDULE (months or km whichever occurs earlier)

ITEM	Period Km	PERIODIC SERVICES								
		1 month 500 - 750	3 months 2500- 3000	6 months 5000- 6000	9 months 8500- 9000	12 months 11500- 12000	15 months 14500- 15000	18 months 17500- 18000	21 months 20500- 21000	24 months 23500- 24000
Front fork oil		-	-	-	-	-	-	-	-	R
Both wheel free rotation / noise		I	I	I	I	I & L	I	I	I	I & L
Front and rear suspension		I	I	I	I	I	I	I	I	I
All fasteners		I & TI	-	I & TI	-	I & TI	-	I & TI	-	I & TI
All bulbs, horn and switches working		I	I	I	I	I	I	I	I	I
Head lamp beam		I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A
Battery electrolyte level		I & T	I & T	I & T	I & T	I & T	I & T	I & T	I & T	I & T
Specific gravity & voltage ⁶		I	I	I	I	I	I	I	I	I
Brake light / self start switch		I	I	I	I	I	I	I	I	I
Brakes free play		I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A
Brake shoe wear		-	-	I	-	I	-	I	-	R
Tyre pressure at cold condition		I & S	I & S	I & S	I & S	I & S	I & S	I & S	I & S	I & S
Idling speed ⁷		I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A	I & A

R - Replace; I - Inspect; T - Top up; C - Clean; A - Adjust; D - Decarbonise; VL - Valve lapping; TU - Tune; L - Lubricate; TI - Tighten; S - Set; DR - Drain oil

¹ Drain oil from collection tubes if necessary ² Tune carburettor if necessary ³ Replace if necessary

⁴ Clean the cover with air & Lubricate kick starter with grease ⁵ Adjust if required ⁶ Recharge if necessary

⁷ Idling CO% should be set with the help of exhaust gas analyser and tachometer only

The above maintenance schedule is given for the warranty period. In the post warranty period it is recommended that maintenance services are done in similar intervals for good performance of your vehicle.

MAINTENANCE

LUBRICATION SCHEDULE

Item \ Interval	Every 3000 km	Every 6000 km	Every 9000 km	Every 12000 km
Throttle grip	–	Grease	–	–
Speedometer gear	–	–	Grease	–
Speedometer cable	–	–	Grease	–
Brake cam	–	Grease	–	–
Kick starter pedal pivot	Grease	–	–	–
Brake cable front and rear	Grease	–	–	–
Throttle cable	–	Grease	–	–
Centre stand and side stand pivot	–	Grease	–	–
Steering stem bearings Clean and lubricate with fresh grease every 12000 km			
Front wheel bearing	–	–	–	Grease

RECOMMENDED LUBRICANTS

Application	Qty	Manufacturer	Brand
Engine oil	750 ml (during regular service) 800 ml (incase of disassembly)	TVS Motor Company	TVS TRU4 PREMIUM oil (SAE 10W30 SL-JASO MA2)
Transmission oil	100 ml (during regular service) 120 ml (incase of disassembly)	-do-	-do-
Front fork oil	84 ± 1 ml / leg	IOC	Gabriel Premium front fork oil
Grease	–	Bharat petroleum IOC Bechem Kluber Lubrication	MP Grease no. 3 Servo Gem no. 3 Bechem premium Kluber Centoplex 2
Fuel additives	As recommended		IFTEX

MAINTENANCE

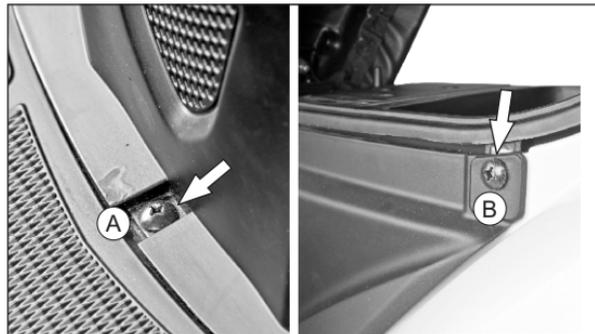


SELF - MAINTENANCE PROCEDURES BATTERY

Battery electrolyte level and the condition of battery must be inspected periodically. Battery is located below the seat at front end and enclosed by the cover front.

To access the battery, cover front must be removed. Follow the procedure given below for the removal of cover front and inspection of battery:

1. Remove the bottom mounting screw (A) of cover front.
2. Open the seat by unlocking the seat lock (page 23) and remove the top mounting screws (B) from both the sides of cover front.

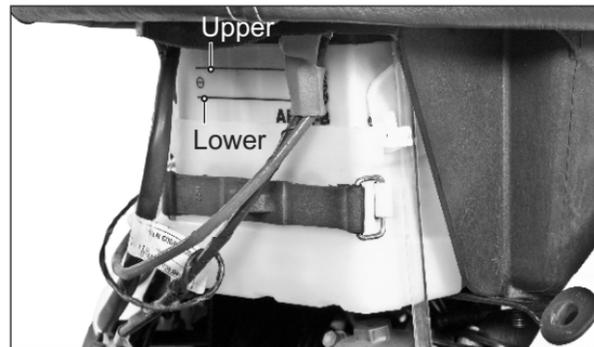


3. Gently pull out the cover front by dislocating its lugs.

Inspect the electrolyte level of the battery. The electrolyte must be between upper and lower level. If the electrolyte level is below lower level, add only distilled water upto the upper level by removing the filler caps.

Clean the battery thoroughly, apply petroleum jelly to the terminals of battery to prevent it from corrosion.

While connecting the terminals, observe the correct polarity. Connect the red wire to the ' + ' positive terminal and black wire to the ' - ' negative terminal of the battery.



MAINTENANCE



⚠ CAUTION

Once the battery is charged initially, never add diluted sulphuric acid. Use only distilled water for topping up. Never add tap water. Do not pull battery by its wires while removing.

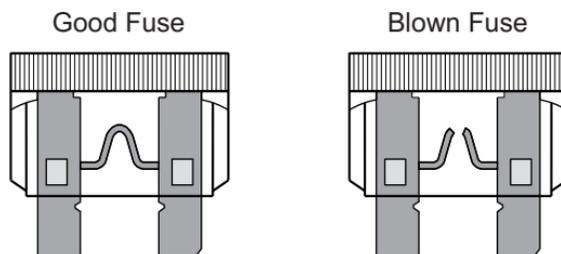
Never check the battery charge by shorting terminals. Always connect the positive terminals first and the negative to avoid sparking.

Do not obstruct, bend or change the routing of the air vent tube of battery. Make sure that the vent tube is firmly attached to the battery and the other end is open and clear.

FUSE

A fuse case having 10 Amps fuse (blade type) is fitted on the front side of utility box below the seat. If the fuse is blown off, follow the procedure:

1. Open the seat as explained in page 23.
2. Take out the fuse case from the utility box.
3. Open the fuse case and pull out the blown fuse.
4. Fix a new fuse (extra fuse is provided in the wiring harness itself in a pouch).
5. Turn the ignition switch 'ON' and check for the proper working of battery operated electrical systems.



Incase the fuse blows off again, consult the nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

MAINTENANCE

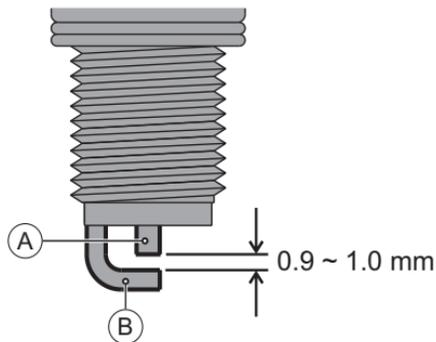
CAUTION

Do not use vehicle by shorting the wires without fuse. This may result in overheating of electrical items / wiring and may result in fire.

Do not use fuse of higher amperage than specified for the safety of electrical system.

SPARK PLUG

1. Remove the cover front as explained in page 36.
2. Clean the dust and mud around the spark plug mounting to avoid falling inside the cylinder.
3. Using spark plug spanner of tool kit, remove the spark plug.



A spark plug with heavy carbon deposits will not produce strong sparks. Hence, only if necessary, clean the carbon deposits from the spark plug with a small wire brush or spark plug cleaning tool.

Inspect the spark plug electrodes (A) and (B) for any corrosion. If found any replace the spark plug with a new. Inspect the spark plug gap with a wire gauge / feeler gauge. Readjust the spark plug gap to 0.9 ~ 1.0 mm if required.

After cleaning and adjusting the gap, reinstall the spark plug and tighten by hand to avoid cross threading. Finally tighten using spark plug spanner.

CAUTION

Always use only recommended make and type of spark plug. Replace spark plug every 12000 km.

Cover the spark plug hole with cloth when the plug is removed, to prevent dust / water entry.

It is advisable to tighten the new spark plug by hand till the end and then loosen and again re-tighten the spark plug by 1/8 of rotation after sealing by using only the hand tool.

ENGINE OIL LEVEL

Check the engine oil level periodically.

1. Place the vehicle on centre stand on a flat surface. Wipe off the surroundings of gauge oil level.
2. Remove the gauge and wipe it clean.
3. Fix the gauge back to its mounting hole. Do not thread in.
4. Take out the gauge and check the oil level. The level should be between minimum and maximum level marks of the gauge (shown in the figure).
5. If the oil is less than the minimum level, add 4T oil upto the maximum level mark.

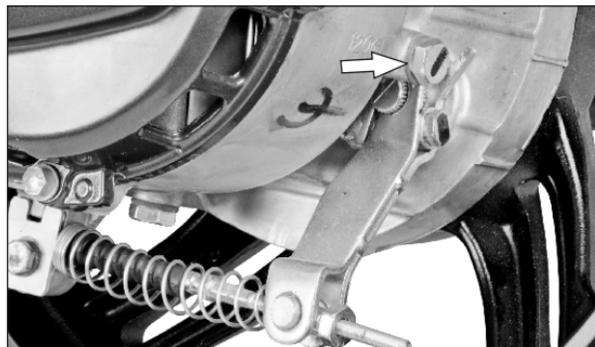


6. Wipe out the oil traces with a clean cloth to prevent dust accumulation.
7. Assemble back the gauge oil level.

TRANSMISSION OIL - LEVEL

Check the transmission oil level periodically.

1. Place the vehicle on centre stand on a flat surface. Wipe off the surroundings of oil level bolt.
2. Remove the transmission oil level bolt along with a gasket from the rear end of crankcase L.
3. Check for the flow of oil from oil level hole.



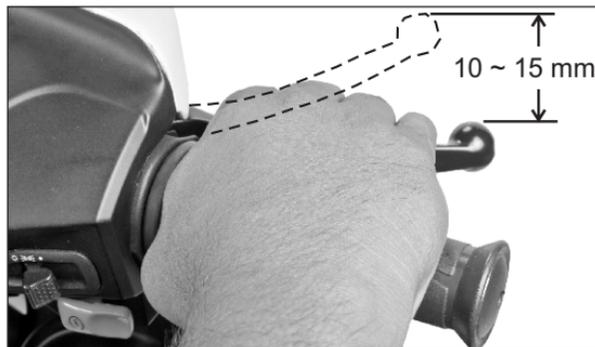
MAINTENANCE

4. If the level is less (if there is no oil flow), top-up with 4T oil, till the oil just starts to flow out from the oil level hole.
5. Wipe out the oil traces with a clean cloth to prevent dust accumulation.
6. Replace the fibre washer while reassembling the oil level bolt.

CAUTION

If the vehicle is driven with less engine and transmission oil, the engine components will be severely damaged.

Check the oil level as per the schedule to avoid costly damage. Do not fill excess oil may cause oil leak. Always use 4T oil only.



BRAKES

Front brake

1. Measure the free play of front brake at lever end as shown in the figure. The distance measured should be 10 ~ 15 mm.
2. If the measured free play is more than the limit, adjust the nut provided at the front wheel end to obtain correct play.
3. Turn the adjuster nut in clockwise direction for reducing free play or in anti-clockwise direction for increasing free play.



MAINTENANCE



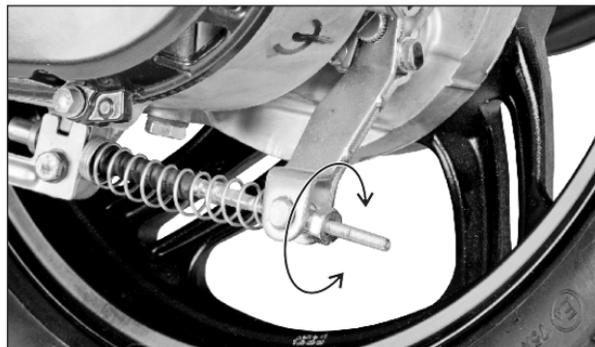
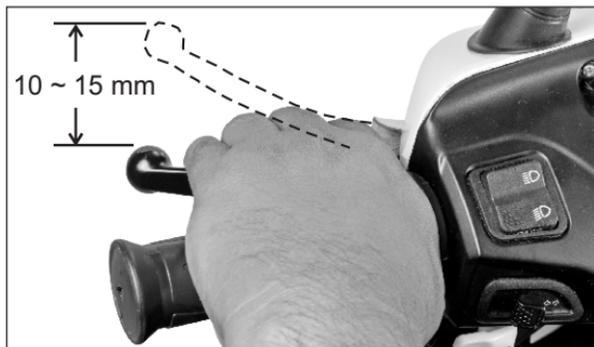
⚠ WARNING

Brakes are items of personal safety and should always be maintained in proper condition.

Avoid using front brake alone while cornering.

Rear brake

1. Measure the free play of the rear brake at the lever end as shown in the figure. The distance measured should be 10 ~ 15 mm.
2. If the measured distance is more than the limit, adjust the nut provided at rear wheel end to obtain correct play.



3. Turn the adjuster nut in clockwise direction for reducing free play or in anti-clockwise direction for increasing free play of the front brake lever.

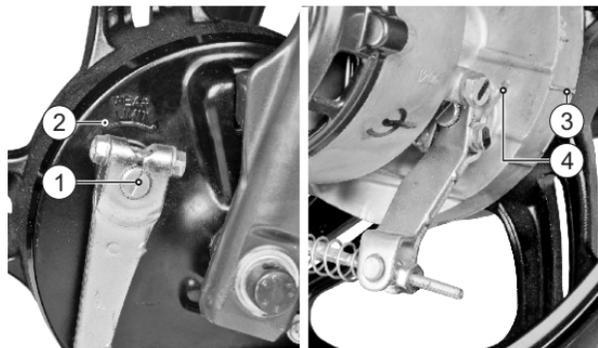
⚠ WARNING

Check both the brake play periodically. However the brake play needs to be adjusted more frequently depending upon the usage.

Brake shoe wear indicator

When brake is applied, wear limit index mark on the front brake cam (1) should be within the wear limit indicator (2) on the front brake panel.

MAINTENANCE



Similarly, when brake is applied, wear limit indication pointer (3) on the rear brake cam lever should be within the wear limit indicator (4) on the crankcase LH.

In case the wear limit index mark (1) / wear limit indication pointer (3) is going beyond wear limit indicator (2) and (4) , index the lever to next slot with the help of Dealers to extend shoe life.

CAUTION

Replace the brake shoes as a set, if the wear limit indicator shows beyond the wear limit even after indexing the lever.

TYRES

Tyre pressure

Check tyre pressure atleast once in a week if not more frequently. Insufficient air pressure in the tyres not only hasten tyre wear, but also seriously affects the stability of the vehicle.

Under inflated tyres make smooth cornering difficult and over inflated tyres decrease the tyre contact with the ground which can lead to skidding and loss of control.

Be sure that the tyre pressure is within the specified limits at all times.

Tyre pressure in cold condition:

	Solo	Dual
Front	1.69 kg/cm ² (24 PSI)	1.69 kg/cm ² (24 PSI)
Rear	2.00 kg/cm ² (28 PSI)	2.25 kg/cm ² (32 PSI)

Tyre tread condition

Operating the vehicle with excessively worn tyres will decrease riding stability and can lead to loss of control. It is recommended to replace the tyre when the tyre wears off to the tyre wear indicator level (indicated by TWI (A) on the tyre).



Tyre rotation direction

While reassembling the tyre after removing from the wheel rim or while assembling a new tyre ensure that the arrow mark front (B) and rear (C) provided on the tyre facing the direction of wheel rotation.

Tyre puncture

Your scooter is fitted with a tubeless tyre on both front and rear wheel. In case of any puncture / tyre damage, it is advised to visit the nearest tyre manufacturer Dealer or the tyre repair shops who knows the repairing method of tubeless tyre.

It is not necessary to remove the tyre from wheel rim always to attend a puncture. Even though, if there is need of tyre removal, it is strongly recommended to use a tyre removal / fitment machine.

If at all, tyre levers needs to be used, the levers should be free from sharp edges. Care should be taken not to damage the tyres and rims.

WARNING

The tyre inflation pressure in cold condition and the tyre tread condition are extremely important for the performance and safety of the rider. Check tyres frequently for inflation pressure as well as the wear pattern on it.

Use of a tyre other than the standard may cause instability.

CAUTION

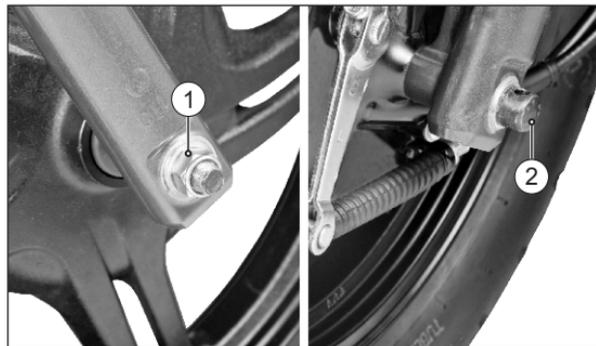
The side walls of the tubeless tyre which in contact with the wheel rim are only seals the air inside the wheel assembly. Hence care should be taken not to damage the side walls of the tyres during removal / reassembly.

FRONT WHEEL REMOVAL

1. Remove the axle nut (1) along with the washer.
2. Pull out the axle (2) along with washer and take out a spacer from the right side of the wheel.

MAINTENANCE

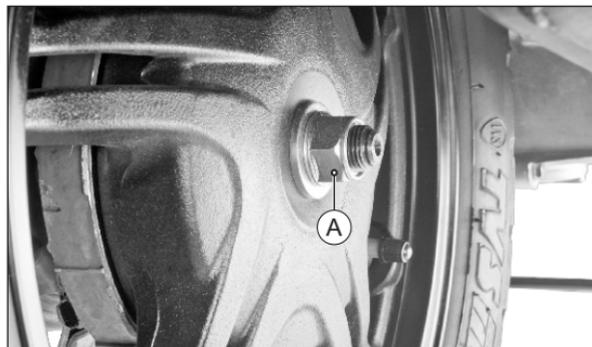
- Place a support below the foot board to prevent vehicle from falling and lift the vehicle up.
- Dislocate the wheel assembly along with brake panel from front fork. Separate the brake panel from the wheel and take out the wheel.
- Reverse the procedure for reassembling. while reassembling ensure to locate the lug on fork leg L to the slot in the brake panel.



REAR WHEEL REMOVAL

- Place the vehicle on the centre stand.
- Hold the rear brake firmly and loosen the wheel mounting nut (A). Remove the wheel mounting nut along with a washer.

- Slightly tilt the vehicle and take out the wheel from rear axle.
- Reverse the procedure for reassembly.



STORAGE PROCEDURES

For storage of your scooter for longer period of over a month and above, we recommend to carry out the following steps:

- Clean the vehicle thoroughly. Park the vehicle on centre stand.
- Warm up the engine. Drain engine oil and transmission oil. Store the oil, if new, in a dust free container.
- Empty the fuel tank.

4. Drain the petrol from carburettor.
5. Remove the spark plug and feed in several drops of engine oil through spark plug hole. Crank the engine a few times and reinstall the spark plug.
6. Remove the battery, store it away from direct sunlight and freezing temperatures.
7. Place a suitable support at the bottom of the foot board so that both the tyres are off the ground. This will ensure better tyre life.
8. Cover up the vehicle completely with a clean tarpaulin or any other suitable cover. Store the vehicle inside a garage or similar area to avoid damage due to dust and rain. Make sure that the storage area is well ventilated and free from any source of flame or spark.

CAUTION

During storage, the battery must be recharged at recommended charger if stored more than a month.

TAKING THE VEHICLE OUT OF STORAGE FOR REGULAR USE

1. Take the vehicle out of garage and clean it thoroughly.
2. Remount the battery after bench charging if required.
3. Fill the engine oil and check the oil level using gauge oil level.

4. Fill the transmission oil and check the oil level at inspection screw.
5. Lubricate the parts as instructed in lubrication section.
6. Fill up fresh petrol in the fuel tank.
7. Check and inflate the tyres to the specified tyre pressure.
8. Check and correct the points given in page 27.
9. Turn the ignition switch to 'ON' position. Start the engine with choke 'ON' for a few minutes and ride out.

CAUTION

Avoid using alkaline solution like detergent soaps for washing. This may damage head lamp and other lamp assemblies.

RECOMMENDED TIPS WHEN TAKING A LONG TRIP OF MORE THAN 500 KM:

- A) Please keep the following items for use in case of emergency:
1. Tool kit complete.
 2. Recommended spark plug one number.
 3. Head lamp & turn signal lamp bulb each one.
 4. Throttle, front & rear brake cable each one.
 5. First aid kit.
- B) Precautions to be taken for the journey:

MAINTENANCE



1. Ensure engine oil and transmission oil are up to the mark.
 2. Adequate fuel in the fuel tank.
- C) Check your scooter for the following:
1. Tightness of all bolts and nuts with correct torque value.
 2. Fitness of tyres / air pressure / tread depth.
 3. All bulbs, indicator lamps and horn function.
 4. Smooth functioning of all cables and their free plays.
 5. Smoothness of steering operation.
 6. Front / rear brake function and rear brake lamp working.
 7. Front fork for any abnormality.
 8. Spark plug gap and condition of spark plug.
 9. Air filter elements cleanliness.
 10. Correct idling speed.
 11. Lubrication of all items mentioned in the lubrication schedule.
 12. Any other job as necessary.
 13. Have your vehicle checked at any TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centres.

CAUTION

Long journey are to be taken only after the running-in period of 1000 km.

SERVICE RECORD SHEET

Sl.No.	Description	Odometer reading	Job card no. / Date	Servicing Dealer's stamp and sign.
1	1st service between (a) 500 - 750 km or (b) 1 month from the date of purchase, whichever of the two occurs earlier.			
2	2nd service between (a) 2500 - 3000 km or (b) 3 months from the date of purchase, whichever of the two occurs earlier.			
3	3rd service between (a) 5000 - 6000 km or (b) 6 months from the date of purchase, whichever of the two occurs earlier.			
4	4th service between (a) 8500 - 9000 km or (b) 9 months from the date of purchase, whichever of the two occurs earlier.			
5	5th service between (a) 11500 - 12000 km or (b) 12 months from the date of purchase, whichever of the two occurs earlier.			

SERVICE RECORD SHEET

Sl.No.	Description	Odometer reading	Job card no. / Date	Servicing Dealer's stamp and sign.
6	6th service between (a) 14500 - 15000 km or (b) 15 months from the date of purchase, whichever of the two occurs earlier.			
7	7th service between (a) 17500 - 18000 km or (b) 18 months from the date of purchase, whichever of the two occurs earlier.			
8	8th service between (a) 20500 - 21000 km or (b) 21 months from the date of purchase, whichever of the two occurs earlier.			
9	9th service between (a) 23500 - 24000 km or (b) 24 months from the date of purchase, whichever of the two occurs earlier.			

TECHNICAL SPECIFICATION

MANUFACTURER : TVS MOTOR COMPANY LIMITED
P.B. No 4, Harita, Hosur - 635 109, India.

ENGINE

Type : Single cylinder, 4 stroke, air cooled, spark ignition engine

Cylinder bore : 53.5 mm

Stroke : 48.8 mm

Piston displacement : 109.7 cc

Compression ratio : 9.5:1

Carburettor : UCAL VM 16 SH

Air filter : Viscous paper filter

Lubrication system : Forced wet sump

Maximum power in kW : 5.88 @ 7500 rpm

Maximum torque in Nm : 8.0 @ 5500 rpm

Maximum speed : Around 78 km / hr

Engine idling rpm* : 1600 + 100 rpm

Starting system : Kick starter / Electric starter

TRANSMISSION

Clutch : Dry - Centrifugal clutch

Primary transmission : CVT (Continuous Variomatic Transmission)

Primary reduction : 2.38 to 0.82

Final reduction : 10.47

CHASSIS

Dimensions and weight

Overall length : 1834 mm

Overall width : 650 mm

Overall height : 1115 mm

Ground clearance : 150 mm (unladen)

Wheel base : 1275 mm

Steering angle : 90°

Caster angle : 25°

Kerb weight : 107 kg (with tool kit & 90% of fuel)

Pay load : 130 kg

Maximum laden weight : 237 kg

* Under warm condition

TECHNICAL SPECIFICATION**CHASSIS**

Dimensions and weight

Frame	: Duplex tubular frame
Front suspension	: Telescopic hydraulic
Rear suspension	: Toggle link, gas filled hydraulic damper
Trail length	: 93 mm

TYRE

Front tyre	: 90/90 x 12 (tubeless)
Rear tyre	: 90/90 x 12 (tubeless)
Tyre pressure (cold condition)	
Front	: 1.69 kg/cm ² (24 PSI)
Rear - Solo	: 2.00 kg/cm ² (28 PSI)
Rear - Pillion	: 2.25 kg/cm ² (32 PSI)

BRAKES

Front	: 130 mm dia (hand operated)
Rear	: 130 mm dia (hand operated)

ELECTRICAL

Ignition system	: IDI ignition
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ELECTRICAL

Spark plug	: Bosch UR4KC
Spark plug gap	: 0.9 ~ 1.0 mm
Battery	: 12V, 5Ah Lead Acid type
Generator	: Fly wheel magneto, 12V, 80W
Head lamp	: Halogen HS 12V, 35/35W
Tail / brake lamp	: 12V, LED
Turn signal lamps	: 12V, 10W x 4
Position lamp	: 12V, 3W x 2
Number plate lamp	: 12V, 4W x 1
Speedometer lamp	: 12V, 1.7W x 2
Turn signal indicator lamp	: 12V, 1.7W x 2
Low fuel warning lamp	: 12V, LED
High beam indicator lamp	: 12V, 1.7W x 1
Economy and power mode indicator lamp	: 12V, LED
Horn	: 12V, DC
Fuse	: 12V, 10A x 1 (Blade type)

⚠ CAUTION

Using the bulb other than the specified rating can result in overloading the electrical system or premature failure of the bulb.

TECHNICAL SPECIFICATION

CAPACITIES

Fuel tank capacity	: 5.0 litres*
Fuel	: Unleaded Petrol
Engine oil and capacity	: TVS TRU4 PREMIUM, 4T oil 750 ml during regular service and 800 ml incase of disassembly
Transmission oil and capacity	:TVS TRU4 PREMIUM, 4T oil 100 ml during regular service and 120 ml incase of disassembly.
Front fork oil and capacity	: Gabriel Premium front fork oil, 84 ± 1 ml per leg

* *The fuel tank is not a measuring instrument and the capacity of fuel tank may slightly vary from the indicated capacity.*

NOTE

Specifications are subject to change without notice.



ALWAYS USE TVS-M GENUINE PARTS

