EXPORT

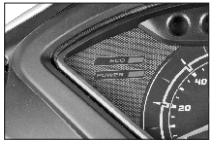
Jupiter

FUEL INJECTION

OWNER'S MANUAL

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 no. 12 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 no. 15 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.

TELESCOPIC FRONT & GAS FILLED REAR SHOCK ABSORBERS

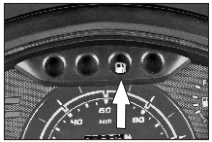
Your Scooter has Motorcycle-like Telescopic Front Suspensions for extreme comfort and Gas Filled Shock Absorber in the rear for excellent riding comfort even on bad roads.

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.

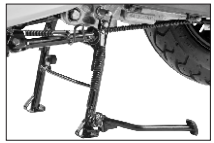
LOW FUEL INDICATOR

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 13 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 no. 18 for operating procedure.



ALL BLACK LARGER ALLOY WHEELS

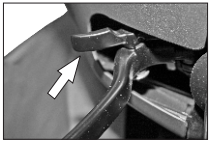
All Black Larger Black Alloy Wheels with high mechanical advantage gives progressive braking of your scooter, results in best-in-class 'shortest distance' braking. It also provide superior comfort in bad road conditions.

LED TAIL LAMP-CUM-BRAKE LAMP

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

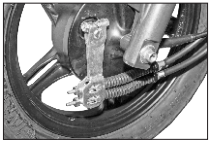
PARKING BRAKE (REAR BRAKE LOCK)

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 no. 14 for details.



SYNCHRONISED BRAKE SYSTEM (SBS)

Synchronised Brake System reduces the stopping distance, while keeping the stability intact.



IGNITION LOCK WITH SECURITY SHUTTER

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

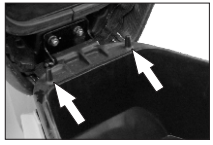
Security shutter protects the use of key other than the original supplied along with your vehicle. Refer page no. 11 for operating procedure.

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 no. 20 for details.

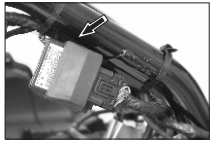
HELMET HOOKS

Your scooter has two helmet hooks under the seat assembly at the front end of utility box to secure your helmet. Refer page no. 21 for details.



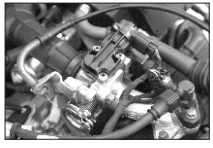
ECU

Your scooter's fuel efficient engine uses "Electronic control unit" engine built with fuel injector, makes sure that you get the best from your engine.



THROTTLE BODY ASSY

The throttle body consists of sensors to identify the throttle position and based on this , the fuel injection is done.

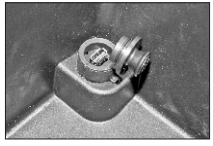


SEAT-CUM-FUEL TANK CAP LOCK

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 no. 16 & 19 for operating procedure.

SMART PHONE CHARGER

Smart phone charger is supplied as an optional accessory for your scooter. Location for fixing the socket is provided inside the utility box.



INDICATOR BUZZER

Your scooter has an electronic buzzer which alerts you that the turn signal indicators are 'ON'.

Dear **Jupiter Fi** Owner,

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

With **TVS Jupiter Fi**, 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 Fi**. 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 Fi** serviced only at TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers at specified regular periodic intervals.

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

TVS MOTOR COMPANY LIMITED

Always keep your Owner's Manual in the scooter and give it to the new owner if you ever sell your TVS Jupiter Fi.

Take time to familiarize yourself with your TVS Jupiter Fi and its performance characteristics.

This Owner's Manual contains a host of useful information. Please take the time to read this manual before you ride your new TVS Jupiter Fi. Get familiarised with the operation of your scooter for maximum safety and pleasure. The better you know your vehicle, the more pleasure you will experience riding your new vehicle. Ensure that anyone else riding your TVS Jupiter Fi does the same.

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.

Note

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

Part Number :-

Revision 1, November 2017

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 in this manual. These words carry the following connotations:

⚠ 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.***

The first 1000 km is a crucial part for the life of your scooter. 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 scooter depends on the special care and restraint exercised during the running-in period. It is especially important that you avoid operating the engine in high speed (RPM), 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 and transmission oil to be replaced. Timely performance of the first service will ensure optimum service life and performance from the engine.

Caution

Replacing the engine and transmission oil during first service is most important for better life of engine. Always use TVS TRU4 PREMIUM oil (SAE10W30 API-SL, JASO MA2) for better performance and life.

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 Fi

Riding skill and your mechanical knowledge form the foundation of safe riding practices. We suggest you to practice riding TVS Jupiter Fi 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 them will help you avoid accidents.

⚠ Warning

Two wheeler safety equipment starts with wearing a good quality helmet. *One of the most serious injuries that can happen is a head injury. Always wear good quality helmet. You should also have good quality goggles to protect your eyes and help your vision.*

To prevent or minimize accident, never consume alcohol or drugs before or during the operation of your vehicle. Even minimal consumption of these will affect the rider's ability to control the vehicle.

Posture

Proper vehicle riding starts with proper posture.

1. Keep your elbows relaxed and flexible.
2. Sit and adjust yourself on seat so that arms and shoulders are relaxed.
3. Look widely instead of gazing at one point.

⚠ Warning

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.

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.

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 the radius of the corner.

During cornering, reduce speed so as to lessen the effects of centrifugal force. By all means, avoid abrupt application of brake or sudden steering.

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 brakes.**
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 60% 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.

Avoid directing the water jet directly towards brake drums during water wash.

Using only 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 **should not obstruct lighting, steering, 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 CO levels.

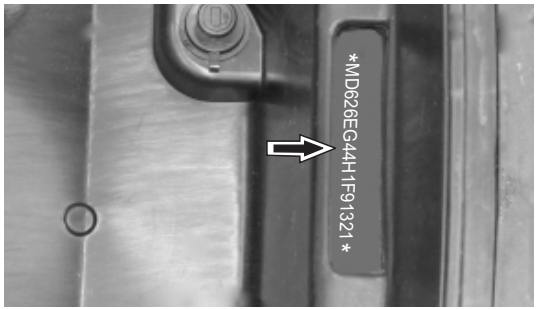
If the vehicle needs any adjustments, please consult nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers.

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

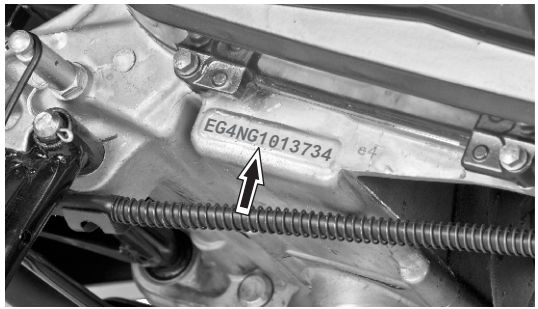
in good condition by getting it periodically checked and serviced by TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers so that the emission and fuel consumption levels are maintained as per norms.

VEHICLE IDENTIFICATION NUMBER

Serial numbers of both frame and engine are required for vehicle identification. They are also required to assist your Dealer for ordering parts or referring to special information.



The frame serial number is stamped on the frame, at the rear end below the seat assembly. Open the seat assembly to read the frame number.



The engine serial number is stamped on the left side of the engine, at the bottom, near center stand mounting. See bottom to read serial number.

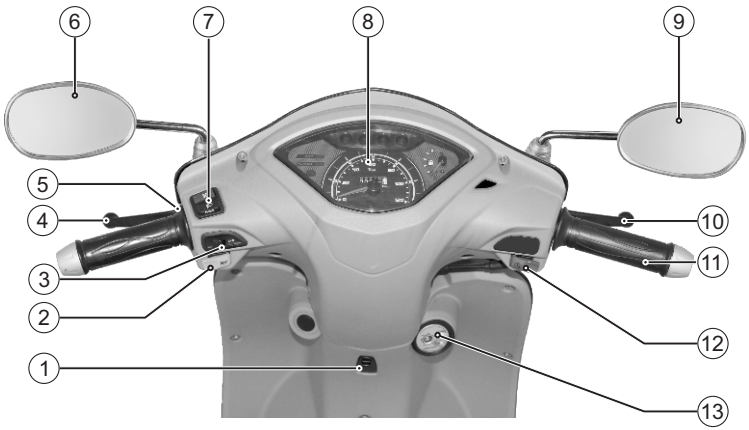
Frame number

Engine number

Control key number

Please fill the above boxes now for future reference

LOCATION OF PARTS - HANDLE BAR

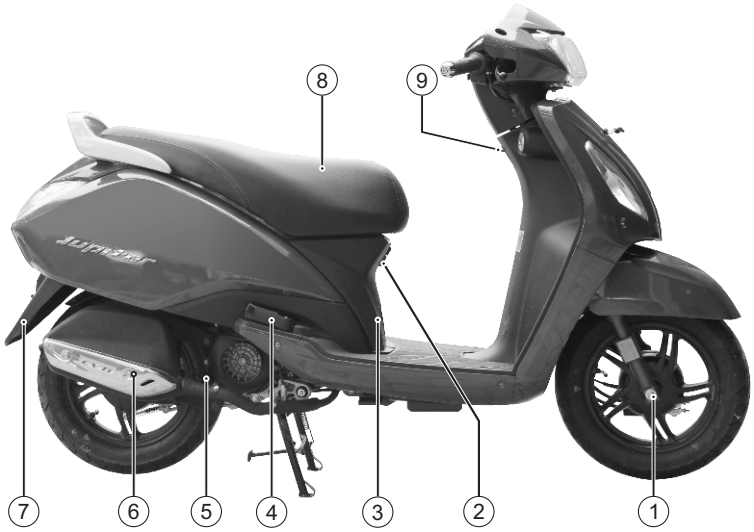


1. Bag hook (front)
2. Horn switch
3. Turn signal lamp switch
4. Rear brake lever
5. Parking brake (rear brake lock)
6. Rear view mirror L
7. High/low beam cum pass by switch
8. Speedometer assembly
9. Rear view mirror R
10. Front brake lever
11. Throttle grip
12. Electric starter switch
13. Ignition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

LOCATION OF PARTS - VEHICLE LEFT SIDE

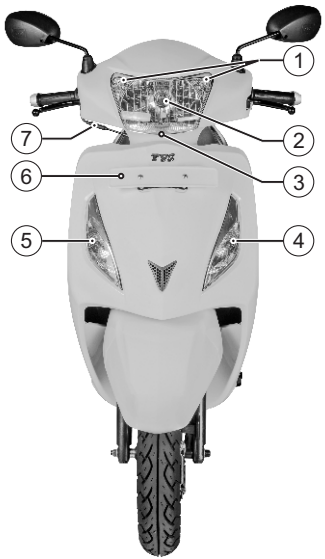
1. Rear brake adjusting nut
2. Kickstarter lever
3. Effortless easy center stand
4. Pillion foot rest L
5. Reflex reflector
6. Speedometer cable
7. Front brake adjusting nuts
8. Seat cum fuel tank cap lock
9. Pillion handle

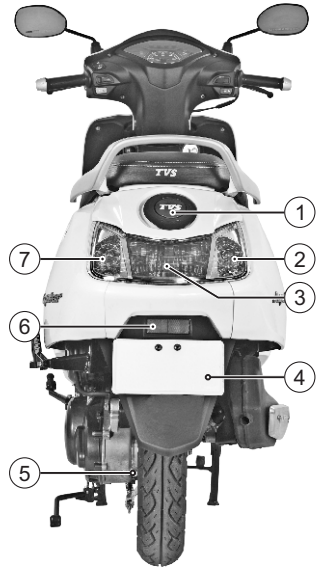
LOCATION OF PARTS - VEHICLE RIGHT SIDE



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 screw
6. Reflex reflector
7. Turn signal lamp rear LH

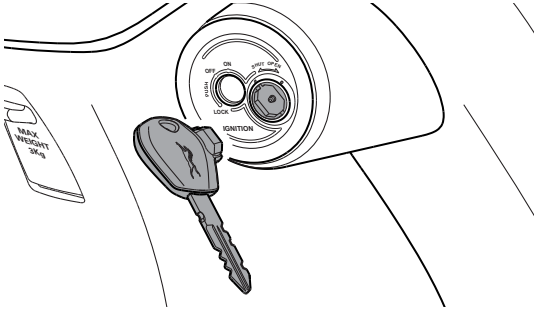
CONTROL KEY

TVS Jupiter Fi 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 Fi 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 cum steering lock. They are:

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 Fi steering can be locked in both 'left' and 'right' directions.

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 take out. All the electrical circuits are turned 'OFF' in this position. Safety shutter can be closed in the reverse order of opening. Insert the key into the lock and turn it to 'OFF' or 'ON' position to unlock the steering.

Warning

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

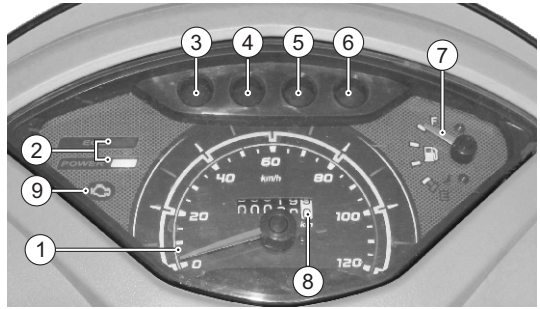
Caution

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 efficiency.

Whenever the vehicle is switched 'OFF' and started again, if the engine is kept running in idle mode for more than 140 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.

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 Centers.

After ignition cum steering lock is in ON , the Eco lamp glows for 6 sec and if the vehicle is not started till then, the power lamp glows. This indicates the user to start the engine or turn the key to off position. This is to avoid draining of battery when the vehicle is not in use.

3. Turn signal indicator lamp left

Flashes when the left side turn signal indication is activated.

4. 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 1.4 liters 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*

9. Malfunction Indicator Lamp

During switching ON the Ignition key, MIL ' ' will glow until the Healthy engine Start. After 10 secs. of Engine start, MIL will switch OFF.

If the MIL ' ' glows continuously even after 10 secs. of engine start, Immediately contact nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Center.

HANDLE BAR LEFT SIDE

1. Horn switch

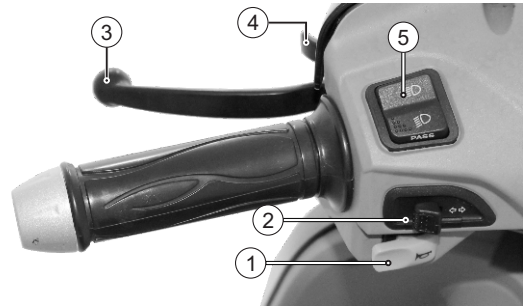
Press the switch ' ' to operate the horn.

2. Turn signal lamp switch

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

⚠ Warning

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



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

The head lamp glows automatically along with the position lamps, speedometer back illumination, tail lamp and number plate lamp once the engine is started. Only the head lamp beam (high/low) can be controlled by pressing the high/low beam switch.

Press the towards ' ≣D ' to operate head lamp high beam or press it towards ' ≣D ' to operate head lamp low beam.

TVS Jupiter Fi 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. It is strongly recommended to ride the vehicle in 'low' beam during day.

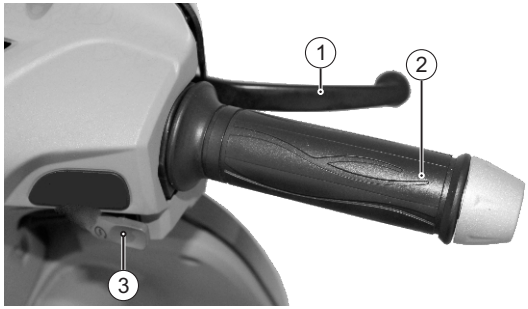
ⓘ Note

Once the engine is started, the head lamp, position lamps, speedometer back illumination, tail lamp and number plate lamp glows automatically. Only headlamp beam can be controlled using beam control switch.

HANDLE BAR RIGHT SIDE

1. Front brake lever

The front and rear brake applied together while squeezing the front brake lever gently towards the throttle grip. The brake lamp glows on application of front brake.



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. 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. A typical example is early morning start. This would reduce load on the battery and prevents quick drain.

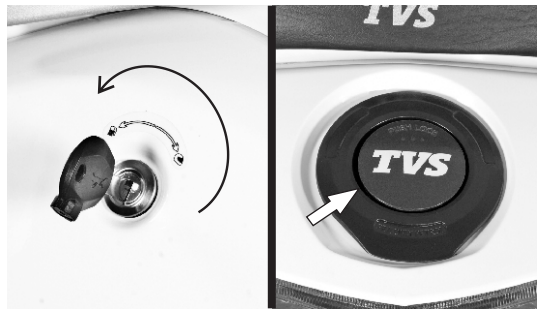
Note

Do Not accelerate/Throttle when applying Electric Start.

FUEL TANK* CAP

Fuel tank is located at the rear end 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.



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

Note

Always maintain minimum 1 liter of fuel in tank. Running of engine with lower fuel level may damage fuel pump. Fill minimum 2 liters of fuel when the tank is empty.

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 loose its grip on the road. Ensure to close fuel tank cap without fail to avoid fuel spillage.

Warning

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

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.

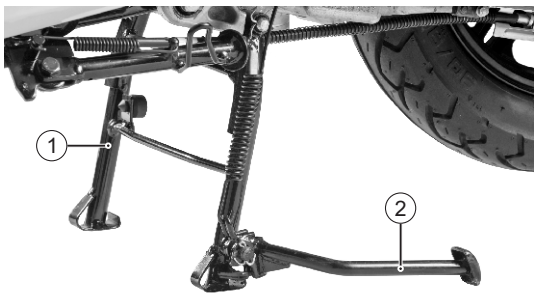
Note

Do Not accelerate/Throttle when applying Kick Start.

EFFORTLESS E-Z CENTRE STAND

TVS Jupiter Fi is equipped with a 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.

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.

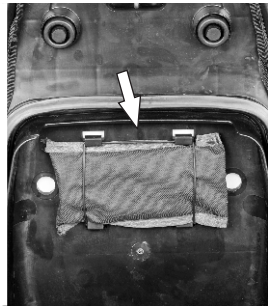


TOOL KIT

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, insert the control key into seat lock and rotate it in clockwise direction. Lift and open the seat.

The tool kit consists one number each of the following. Ensure the contents of the tool kit.

1. 10x12 mm spanner
2. Combination screw driver bit
3. Screw driver handle
4. Tool bag

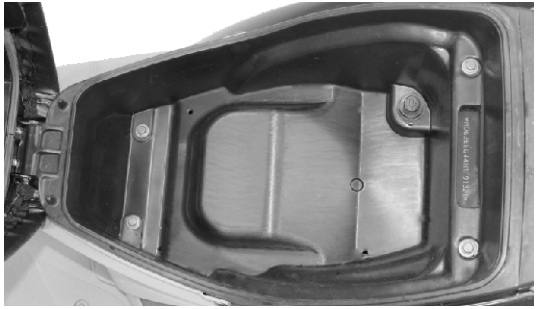


Caution

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 Centers.

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.



Warning

Operating the TVS Jupiter Fi 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

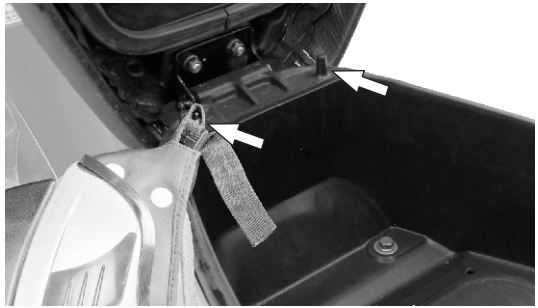
Utility box can be used to carry a load of 10 kg maximum.

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.***

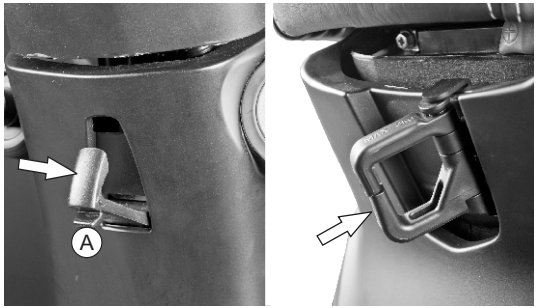
HELMET HOOKS

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 no. 19) to access the helmet hooks. Hook the helmet strap in the helmet hook properly and close the seat assembly.



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.
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.

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.

SMART PHONE CHARGER

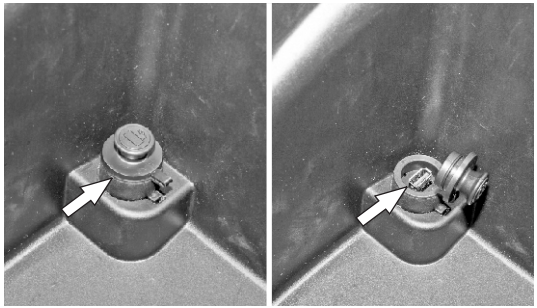
This socket enables you to charge the mobile phone when you are traveling. Open the seat assembly to access the smart phone charger.
The mobile can be kept inside the utility box during charging. Please go through the operating manual of the mobile phone and use a suitable adaptor for the battery operation recommended by the mobile phone manufacturer for that particular model. Please follow the guidelines provided for using it properly:-

DO's

1. Ensure that no water enters into the unit, by closing the USB flap properly.
2. Use only mobile phone company's authorized USB cable for mobile charging.
3. Do make sure the flap is not damaged while opening/inserting the USB cable.

Caution

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



DON'TS

1. Do not leave the USB charging flap open/partially closed.
2. Do not attempt to use/charge any other device, other than one mobile phone at a given time.
3. Do not try to force the USB connector in, check if it is inserted in the appropriate direction, to prevent damage.
4. Do not charge your mobile when engine is off.
5. Do not use other device, this port is for charging mobile phones only.

PRE RIDE INSPECTION

Check the following items before riding.

ITEM	WHAT TO CHECK FOR
Engine oil	Availability of oil upto the level (page no. 34)
Transmission oil	Availability of oil upto the level (page no. 35)
Fuel	Enough fuel for the planned distance of running
Tyres	Correct pressure (page no. 40) Adequate tread depth / No cracks or cuts.
Battery	Proper working of electric starter, horn, fuel gauge, pass by, brake lamp and turn signal lamps. (page no. 31)
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 no. 36 & 38)
Wheels	Free rotation

STARTING THE ENGINE

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

SETTING THE VEHICLE IN MOTION

1. Twist the throttle grip slowly 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 raise the throttle rapidly so the vehicle will move forward suddenly and lead to loss of control.

⚠ Caution

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 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. Do not apply brake while turning / cornering.

FUEL RECOMMENDATION

The petrol should be 85 to 95 octane by research method. Use recommended fuel additives for longer life of engine components and lower maintenance. Petrol mixed with ethanol will have impact on engine components. Contact your TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers for usage.

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 (page no. 28 to 30).

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 element restricts airflow and increases fuel consumption. **Replace the 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 the engine and reduces the engine life, thereby increases the fuel consumption.

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

Regularly inspect the engine oil and the 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, throttle body assembly and fuel lines. Loss of fuel due to leak may drain the fuel tank completely.

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 safety and fuel loss.

Tyres

Low tyre pressure has adverse effect on the 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 no. 41). 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 Centers.

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

⚠ Caution

Proper running-in and maintenance are mandatory to ensure 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 / Service km / Period from the date of sale	Service						Remarks
	1st 500-750 2 months	2nd 2500-3000 4 months	3rd 5000-6000 8 months	4th 8500-9000 12 months	Every 3000 km	Every 6000 km	
Engine oil	R	I & T	R	I & T	I & T	R	
Oil filter (strainer)	C	–	C	–	–	C	
Transmission oil	R	I & T	R	I & T	I & T	R	
Spark plug	C & A	–	–	–	–	–	Replace every 12000 km
Air cleaner element	I	–	–	–	–	–	Replace every 12000 km
Air cleaner oil collection tubes	–	I & DR	I & DR	I & DR	I & DR	–	Drain oil if necessary
CVT filter element[1]	–	–	I & C	–	–	I & C	Replace every 12000 km
Tappet clearance	I & A	–	I & A	–	–	I & A	
Fuel hose Fi	–	–	–	–	–	–	Replace every 20000 km
Drive belt and CVT rollers	–	–	–	–	–	–	Replace every 24000 km
Cover variator[2]	–	–	I, C & L	–	–	I, C & L	
Clutch shoe	–	–	–	–	–	–	Replace every 24000 km
Front and rear suspension	I	I	I	I	I	–	Inspect for proper functioning
All control cables[3]	I, A & L	I, A & L	I, A & L	I, A & L	I, A & L	–	
Throttle grip	–	–	L	–	–	L	Lubricate using grease
Steering smooth operation / play	I & A	I & A	I & A	I & A	I & A	–	C, L & A with fresh grease every 12000 km

Item Service km Period from the date of sale	Service 1st 500- 750 2 months	2nd 2500-3000 4 months	3rd 5000-6000 8 months	4th 8500-9000 12 months	Every 3000 km	Every 6000 km	Remarks
Speedometer gear pinion / cable	–	–	L	–	–	L	Lubricate using grease
Front fork oil	–	–	–	–	–	–	Replace every 24000 km
All fasteners	I & TI	I & TI	I & TI	I & TI	I & TI	–	
All bulbs, horn and switches	I	I	I	I	I	–	Inspect for proper functioning
Head lamp beam	I & A	I & A	I & A	I & A	I & A	–	
Battery[4]	I	I	I	I	I	–	
Brake effectiveness / play	I & A	I & A	I & A	I & A	I & A	–	
Brake cam	–	–	C & L	–	–	C & L	Lubricate using grease
Wheel freeness	I	I	I	I	I	–	
Front wheel bearing	–	–	–	–	–	–	Lubricate using grease every 12000 km
Tyre pressure at cold condition	I & S	I & S	I & S	I & S	I & S	–	
Engine idling RPM	I	I	I	I	I	–	

Item Service km Period from the date of sale	In free service 1st 500- 750 2 months	 2nd 2500-3000 4 months	 3rd 5000-6000 8 months	 4th 8500-9000 12 months	After free service Every 3000 km	 Every 6000 km	Remarks
Centre / side stand pivot	L	L	L	L	L	–	Lubricate using TRU4 oil
Kick starter pedal pivot	L	L	L	L	L	–	Lubricate using TRU4 oil

R - Replace; I - Inspect; T - Top up; C - Clean; A - Adjust; DR - Drain; L - Lubricate; TI - Tighten; S - Set

[1] Inspect for damage [2] Clean the cover with air. Lubricate kick starter with grease

[3] Inspect for proper operation and adjust play. Lubricate ends using grease [4] Recharge if necessary

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
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	–	Bechem	Bechem premium
Fuel additives	As recommended	IFTEX	

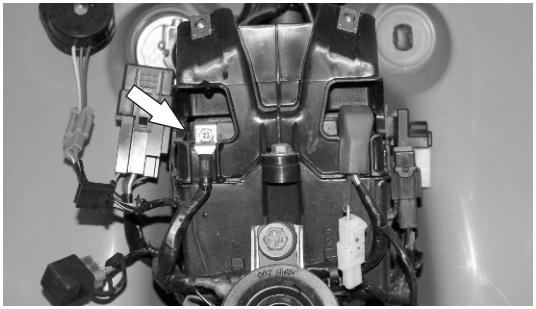
SELF - MAINTENANCE PROCEDURES

BATTERY

Battery is located at the front of Steering column and covered by front panel. The front panel and rear panel must be removed to access the battery. TVS Jupiter Fi is fitted with a maintenance free battery. so it is not required to fill the distilled water.

To ensure better performance and long from the battery, you are requested to follow the steps given below:

1. For cold starting use kickstarter.



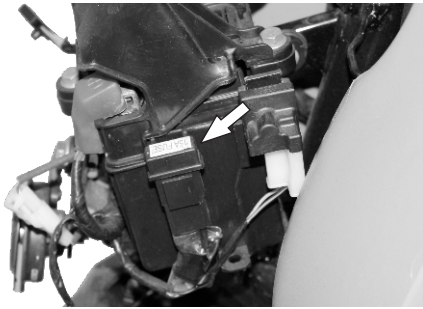
2. Check the battery voltage in every service and charge if the battery voltage is less than 12.4V charge the battery using MF battery charger only at TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers.
3. Do not add additional electrical accessories.
4. While connecting the terminals, observe the correct polarity. Connect the red wire to the ' + ' positive terminal and black wire to the ' - ' negative terminal of the battery.
5. Apply petroleum jelly at terminals to prevent it from corrosion.

FUSE

Non-working of electrical systems may be due to safety fuse failure. Short circuit or overload in the electrical system are the main cause for fuse failure.

Three fuses are used in the vehicle. 15A Main fuse, 10A fuse for Fi loads and 10A fuse for DC loads.

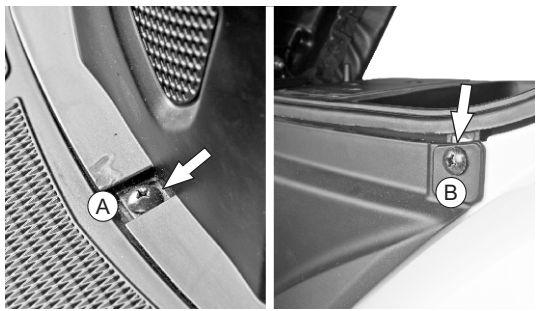
Main fuse is located at the left side of the battery holder. The front panel must be removed to access the main fuse. Follow the procedure given below for inspecting and replacing the fuse.

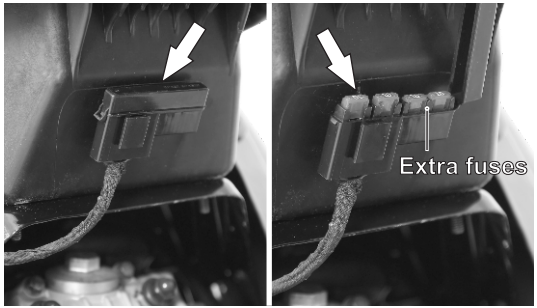


1. A main fuse case having 15 Amps fuse (blade type) is fitted on the left side of battery holder.
2. Take out the fuse case from the battery holder.
3. Open the fuse case and take out the fuse.
4. Inspect the fuse for failure. If found defective, replace the fuse with the extra fuse provided in the wiring harness itself in a pouch.
5. Close the fuse case and re-fix it into the battery holder.

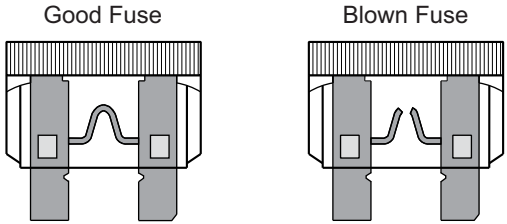
Other two fuses is located at the front end of utility box below the seat and covered by the cover front. The cover front must be removed to access the Fuses. Follow the procedure for removal:

1. Remove the bottom mounting screw (A) of cover front.
2. Open the seat 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. Follow the procedure given below for inspecting and replacing the fuse.





4. Fuse holder contains a 10A x 2nos fuse. Open the fuse case and pull out the fuse.
5. Inspect the fuse for failure. If found defective, replace the fuse (extra fuse is provided inside the fuse holder itself).
6. Close the fuse holder.
7. Turn 'ON' the ignition switch and check for proper functioning of electrical systems. Incase the fuse fails again, consult the nearest TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers.

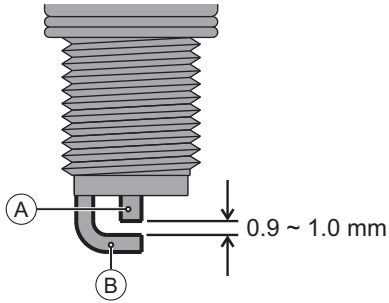


Caution

*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 earlier.
2. Clean the dust and mud around the spark plug mounting to avoid falling inside the cylinder.
3. Pull out the suppressor cap from spark plug. Using the spark plug spanner, 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 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.***

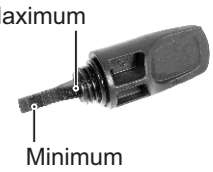
Cover the spark plug hole with cloth when the plug is removed, to prevent dust / water entry.

It is advisable to tighten the new spark plug by hand till the end and then loose and again re-tight 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).

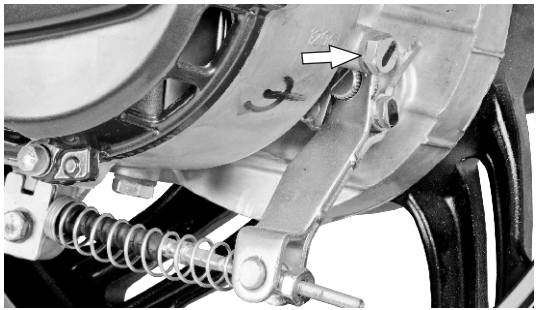


5. If the oil is less than the minimum level, add 'TVS TRU4 PREMIUM' oil upto the maximum level mark.
6. Wipe out the oil traces with a clean cloth to prevent dust accumulation.
7. Assemble back the gauge oil level.

TRANSMISSION OIL - LEVEL

Check the transmission oil level periodically.

1. Place the vehicle on centre stand on a flat surface.
2. Wipe-off the surroundings of oil level screw.
3. Remove the transmission oil level screw along with a gasket from the rear end of crankcase L.
4. Check for the flow of oil from oil level hole.
5. If the level is less (if there is no oil flow), top-up with 'TVS TRU4 PREMIUM' oil till the oil just starts to flow out from the oil level hole.
6. Wipe out the oil traces with a clean cloth to prevent dust accumulation.

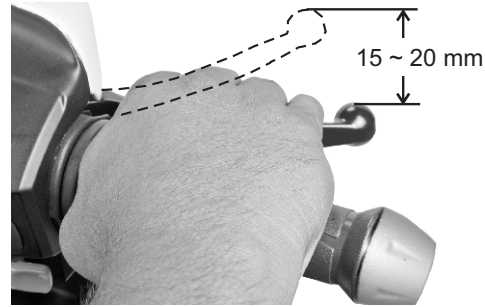


7. Replace the fibre washer while reassembling the oil level screw.

Caution

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

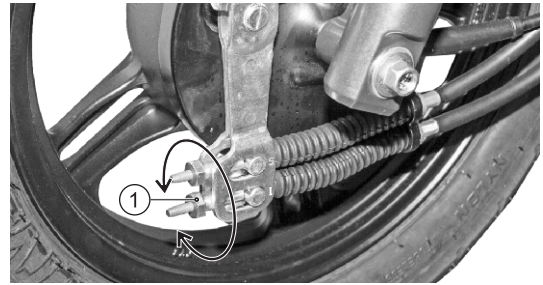
Check the oil level as per the schedule to avoid costly damage. Do not fill excess oil may cause oil leak. Always use 'TVS TRU4 PREMIUM' oil only.



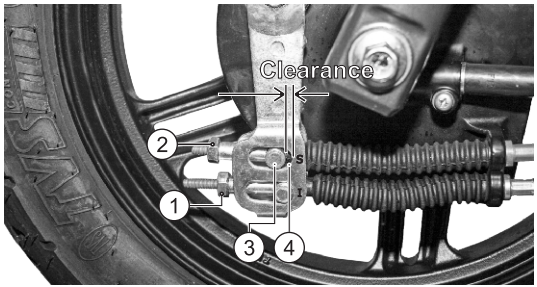
BRAKES

Front brake - SBS type

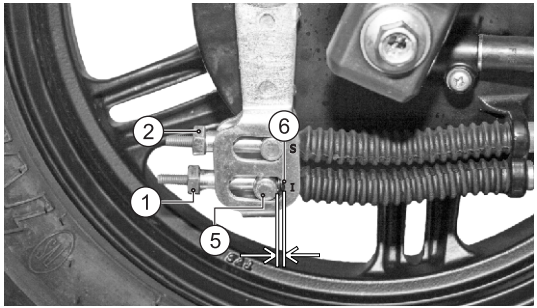
1. Measure the free play of the front brake lever at lever end as shown in the figure.
2. The free play of the brake lever before the engagement of brake should be between 15 ~ 20 mm.
3. Turn the adjuster nut at the bottom side (1) in the slot marked as "I" in clockwise direction for reducing the free play or in anti-clockwise direction for increasing the free play.



4. After obtaining the necessary free play, inspect for the clearance between the bullet (3) and slot end (4) marked as "S" as shown in the figure.



5. If any clearance is found, turn the adjuster nut (2) at the top side in the slot marked as "S" in clockwise direction until there is no clearance between the bullet top (3) and the slot top (4).
6. After adjusting the adjuster nut top, If any clearance is observed in between the bullet bottom (5) and the slot bottom (6) marked as "I" as shown, then turn the adjuster nut (2) in anti-clockwise until there is no clearance.



7. Once again check and confirm the brake play at the lever end.

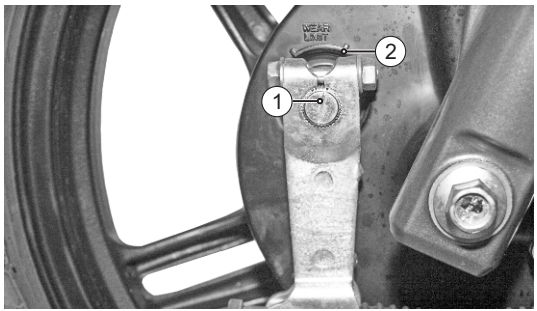
⚠ Warning

Since the vehicle is fitted with Synchronised Braking System (SBS) adjust the brakes with additional care. If not it may result in brakes not working properly. *Please contact TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers for any further assistance.*

Brake shoe wear indicator front

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

Incase the wear limit index mark (1) is going beyond wear limit indicator (2), index the lever to next slot with the help of the Dealer to extend the shoe life.

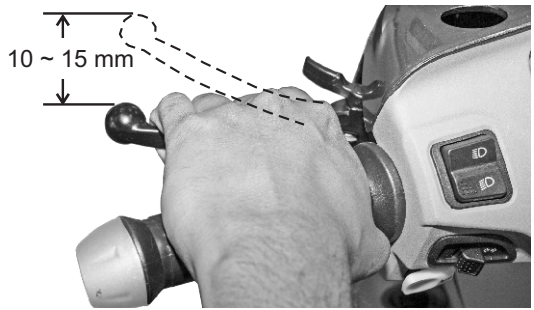


Caution

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

Rear brake

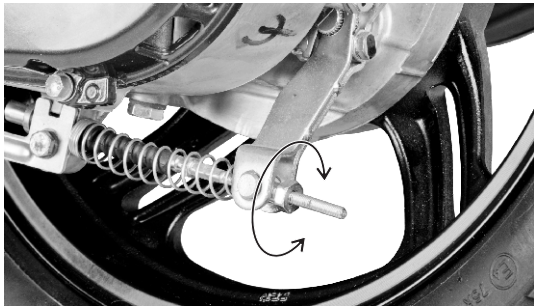
1. Measure the free play of the rear brake lever at the lever end as shown in the figure.
2. Free play of brake lever before the engagement of brake should be between 10 ~ 15 mm.



Warning

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

3. If the measured distance is more than the limit, adjust the nut provided at the rear wheel end to obtain the correct play.
4. Turn the adjuster nut in clockwise direction for reducing free play or in anti-clockwise direction for increasing the free play.

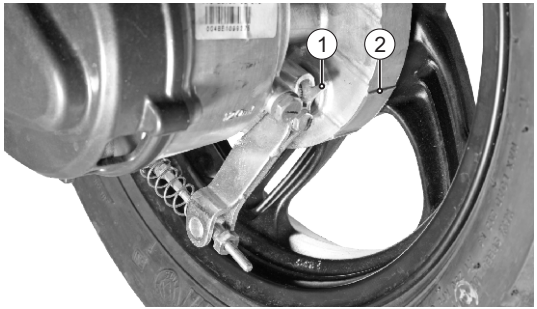


Note

Please remember that the rear brake lever free play adjustment to be done only after adjusting the front brake lever play incase of SBS type brake.

Brake shoe wear indicator (Rear brake)

When brake is applied, the wear limit indication pointer (1) on the rear brake cam lever should be within the wear limit indicator (2) on the crankcase LH. In case the wear limit indication pointer (1) is going beyond wear limit indicator (2), 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 the 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 decreases 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 limit at all times.

Tyre pressure in cold condition:

	Solo	Dual
Front	1.69 kg/cm² (24 PSI)	1.69 kg/cm² (24 PSI)
Rear	2.00 kg/cm² (28 PSI)	2.25 kg/cm² (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 tyres, after removing from the wheel rim, ensure that the arrow mark facing the direction of wheel rotation while fixing the tyre on the front wheel rim.

Tyre puncture

Your scooter is fitted with a tubeless tyre on both front and rear wheel. Incase 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

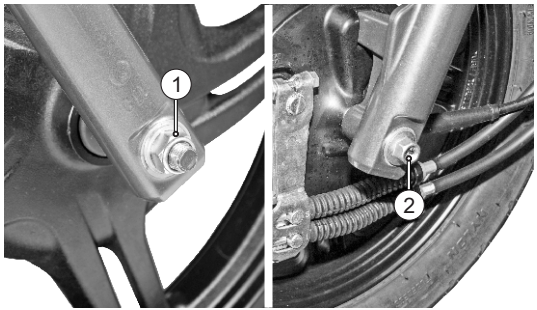
The tyre inflation pressure in cold condition and the tyre tread condition are extremely important for the performance and safety of the rider. Check the tyres frequently for inflation pressure as well as the wear pattern on it. Use of a tyre other than the standard may cause instability.

⚠ 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.

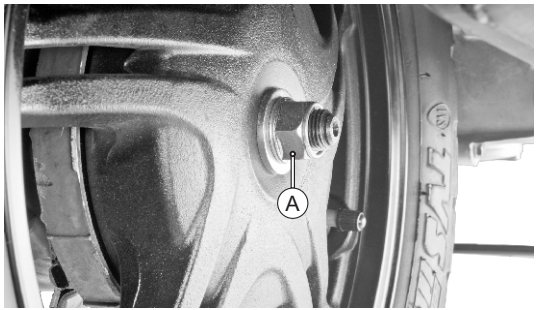
FRONT WHEEL REMOVAL AND REASSEMBLY

1. Remove the axle nut (1) along with a washer.
2. Pull out the axle (2) along with a washer and take out a spacer from the right side of the wheel.
3. Place a support below the foot board to prevent the vehicle from falling and lift the vehicle up.
4. Dislocate the wheel assembly along with brake the panel from front fork. Separate the brake panel from the wheel and take out the wheel.
5. 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 AND REASSEMBLY

1. Place the vehicle on the centre stand.
2. Hold the rear brake firmly and remove the wheel mounting nut (A) along with a washer.
3. Slightly tilt the vehicle and take out the wheel from the rear axle.
4. Reassemble the wheel in the reverse order of removal.



Warning

Always make sure, whenever the wheel is removed, the axle nuts are tightened properly to the specified torque.

STORAGE PROCEDURES

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

1. Clean the vehicle thoroughly. Park the vehicle on centre stand.
2. Warm up the engine and drain engine oil and transmission oil. Store the oil, if new, in a dust free container.
3. Remove the spark plug and feed in several drops of engine oil through spark plug hole. Crank the engine few times and reinstall the spark plug.
4. Remove the battery, store it away from direct sunlight and freezing temperatures.

Caution

Do not park the vehicle on a slope or soft ground or else it may fall down. The exhaust system becomes hot after a run. Park the vehicle in a place where pedestrians or children are not likely to touch the vehicle.

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

5. 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.
6. 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.

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 (TVS TRU4 PREMIUM oil) and check the oil level using gauge oil level.
4. Fill the transmission oil (TVS TRU4 PREMIUM oil) and check the oil level at the oil level screw.

Caution

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

5. Lubricate the parts as instructed in the periodic maintenance schedule.
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 mentioned in page no. 23.

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 and turn signal lamp bulb each one.
   4. Throttle, front and rear brake cable each one.
   5. First aid kit.

B) Precautions to be taken for the journey:
   1. Ensure engine oil and transmission oil are up to the level.
   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 / tyre pressure / tread depth.
3. All bulbs, indicators and horn functioning.
4. Smooth functioning of all cables and their free play.
5. Smoothness of steering operation.
6. Front / rear brake function and rear brake lamp working.
7. Front fork for any abnormality.
8. Any leakage in fuel lines.
9. Spark plug gap and condition of spark plug.
10. Air filter element cleanliness.
11. Lubrication of all items mentioned in the periodic maintenance schedule.
12. Any other job as necessary.
13. Have your vehicle checked at any TVS Motor Company Authorised Distributor or Dealer / Authorised Service Centers.

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) **2 months** from the date of purchase, whichever of the two occurs earlier.			
2	**2nd service** between (a) **2500 - 3000 km** or (b) **4 months** from the date of purchase, whichever of the two occurs earlier.			
3	**3rd service** between (a) **5000 - 6000 km** or (b) **8 months** from the date of purchase, whichever of the two occurs earlier.			
4	**4th service** between (a) **8500 - 9000 km** or (b) **12 months** from the date of purchase, whichever of the two occurs earlier.			
5	**5th service** between (a) **11500 - 12000 km** or (b) **16 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) **20 months** from the date of purchase, whichever of the two occurs earlier.			
7	**7th service** between (a) **17500 - 18000 km** or (b) **24 months** from the date of purchase, whichever of the two occurs earlier.			
8	**8th service** between (a) **20500 - 21000 km** or (b) **28 months** from the date of purchase, whichever of the two occurs earlier.			
9	**9th service** between (a) **23500 - 24000 km** or (b) **32 months** from the date of purchase, whichever of the two occurs earlier.			

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
Throttle body assembly	: FI system (THB Keihin 22)
Air filter	: Dry paper filter with dry foam
Lubrication system	: Forced wet sump
Maximum power in kW	: 5.8 @ 7500 rpm
Maximum torque in Nm	: 8 @ 5500 rpm
Maximum speed	: 78 km / h
Engine idling rpm*	: 1400 ± 200 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	: 640 mm
Overall height	: 1115 mm
Ground clearance	: 132 mm
Wheel base	: 1275 mm
Steering angle	: 90°
Caster angle	: 25°
Kerb weight (with tool kit and 90% of fuel)	: 107 kg
Pay load	: 130 kg
Maximum laden weight	: 237 kg

* Under warm condition

CHASSIS

Dimensions and weight

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

BRAKES

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

TYRE

Front tyre	: 90/90 -12 54J (tubeless)
Rear tyre	: 90/90 -12 54J (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)

ELECTRICAL

Ignition system	: IDI ignition
Spark plug	: BOSCH UR5KCW
Spark plug gap	: 0.9 ~ 1.0 mm
Battery	: 12V, 4Ah
Generator	: Fly wheel magneto, 12V, 130W
Head lamp	: Halogen HS1 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
Eco and power mode lamps	: 12V, LED
Malfunction indicator lamp	: 12V, LED
Horn	: 12V, DC
Fuse	: 12V, 15A x 1(Blade type), 10A x 2 (mini type)

Note

Specifications are subjected to change without notice. Using the bulb other than the specified rating can result in overloading of the electrical system or premature failure of the bulb.

CAPACITIES

Fuel tank capacity	:	4.0 litres*
Fuel	:	Unleaded Petrol
Engine oil and capacity	:	TVS TRU4 PREMIUM oil 750 ml during regular service and 800 ml incase of disassembly.
Transmission oil & capacity	:	TVS TRU4 PREMIUM oil 100 ml during regular service and 120 ml incase of disassembly.
Front fork oil & 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.