PREFACE

Thank you for selecting a Hero MotoCorp **GLAMOUR X**. We wish you many miles of continued riding pleasure in the years ahead.

We at Hero MotoCorp, are committed to demonstrate excellence in our environment performance on a continual basis, as an intrinsic element of our corporate philosophy. To achieve this we commit ourselves to continue product innovations to improve environment compatibility, comply with all applicable legislation including environment legislation and strengthen the green supply chain.

Your vehicle is conforming to latest BS-VI OBD Stage II-B regulation for emission, safety & noise levels. We are also using non asbestos brake shoes/pads and engine gaskets which are environment friendly in nature.

This booklet is your guide to the basic operation and maintenance of your new Hero MotoCorp **GLAMOUR X**. Please take time to read it carefully. As with any fine machine, proper care and maintenance are essential for trouble-free operation and optimum performance.

Authorised Distributor or dealer (s) of the Distributor (''Dealer'') will be glad to provide further information or assistance and is equipped to handle your future service needs.

Let us make this world a safer, healthier and more environment friendly place.

NOTE

ALL INFORMATION, ILLUSTRATIONS, PHOTOGRAPHS, DIRECTIONS, SPECIFICATIONS AND OTHER CONTENTS COVERED IN THIS OWNER'S MANUAL ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF ITS PUBLISHING APPROVAL, AND THE ACCURACY OR CORRECTNESS OF THE SAME IS NOT UNDERTAKEN OR GUARANTEED.

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Hero
WeCare

VEHICLE IDENTIFICATION



Vehicle Identification Number (VIN)

Location: Stamped on the right side of the steering head tube.



Engine No.

Location: Stamped on the lower side of the left crankcase.

VIN: M B L J A W 5 7 # # # # # # # # # #

MBL	JAW57	#	#	#	#	#####
Manufacturer code	Vehicle Description	Check Digit	Model Year	Plant Code	Month of Manufacturing	Production Serial Number

Engine No.: J A 0 7 A 1 # # # # # # # # # #

JA07A1	#	#	#	#####
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

Model: GLAMOUR X

Variant	VIN	Engine
Electric start/Front disc/Cast wheel	JAW57	JA07A1
Electric start/Front drum/Cast wheel	JAW56	JA07A1

VIN and Engine No. may be required:

1. During registration of the vehicle.
2. For dealing with legal & insurance departments.

VEHICLE VIEWS

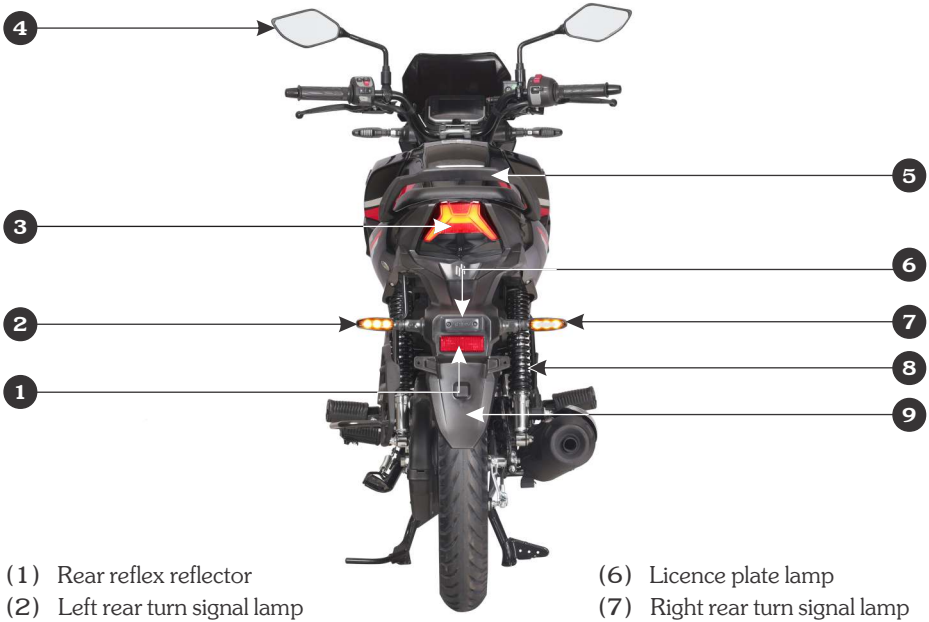
FRONT VIEW



(1) Front fender
(2) Headlamp (Low beam)
(3) Position lamp
(4) Front right turn signal lamp
(5) Windscreen
(6) Front left turn signal lamp
(7) Headlamp (High beam)
(8) Front suspension

***Accessories and features shown may not be part of standard fitment.**

REAR VIEW



(1) Rear reflex reflector
(2) Left rear turn signal lamp
(3) Tail/stop lamp
(4) Rear view mirror
(5) Rear grip
(6) Licence plate lamp
(7) Right rear turn signal lamp
(8) Rear shock absorber
(9) Rear fender

***Accessories and features shown may not be part of standard fitment.**

TOP VIEW



(1) Fuel tank lid
(2) Horn switch
(3) Turn signal lamp switch
(4) User interface mode and set button
(5) Clutch lever
(6) Headlamp dimmer/Passing switch
(7) Mode switch
(8) USB charger
(9) Meter console
(10) Ignition switch with steering lock
(11) Front brake master cylinder/ Reservoir#
(12) Hazard switch
(13) Integrated start-kill switch
(14) Front brake lever
(15) Cruise control switch#

#Disc variant

***Accessories and features shown may not be part of standard fitment.**

LEFT SIDE VIEW



(1) Side reflex reflector
(2) Gear shift pedal
(3) Rider footrest
(4) Main stand
(5) Side stand
(6) Pillion footrest
(7) Left side cover
(8) Saree guard with women pillion step
(9) Seat lock
(10) Battery (inside)
(11) Side stand switch

***Accessories and features shown may not be part of standard fitment.**

RIGHT SIDE VIEW



(1) Exhaust muffler
(2) Kick starter pedal
(3) Oil level window
(4) Brake pedal
(5) Oil filler cap
(6) Starter motor
(7) Caliper assembly#
(8) Front brake disc#
(9) Throttle body (inside)
(10) Seat

#Disc variant

***Accessories and features shown may not be part of standard fitment.**

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Dimensions		
Overall length		2045 mm
Overall width		796 mm
Overall height		1035 (Ground to Handle grip top) 1230 (Ground to Mirror)
Wheelbase		1267 mm
Saddle height		790 mm
Ground clearance		170 mm
Weight		
Kerb weight	Disc-Drum variant	127 kg
	Drum-Drum variant	125.5 kg
Max Payload		130 kg
Capacities		
Engine oil		1.2 litres at disassembly and 1.0 litre at draining
Fuel tank capacity		10 litres
Engine		
Maximum power		8.5 kW @ 8250 r/min
Maximum torque		10.5 N-m @ 6500 r/min
Bore and stroke		52.4x57.8 mm
Compression ratio		9.9:1
Displacement		124.7 cc
Spark plug		P-RG6HCC (Federal Mogul)
Spark plug gap		0.8-0.9 mm
Idle speed		1500±100 r/min (Road mode)

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Chassis and suspension		
Front suspension		Telescopic hydraulic shock absorbers
Rear suspension		Swingarm with 5 step adjustable hydraulic shock absorbers
Caster angle		26°
Trail length		88 mm
Tyre size	Front	80/100-18 47P (Tubeless tyre)
	Rear	100/80-18 53P (Tubeless tyre)
Brakes	Front (Disc variant)	Dia. 240 mm
	Front (Drum variant)	Dia. 130 mm
	Rear (Drum variant)	Dia. 130 mm
Transmission		
Primary reduction		3.35 (67/20)
Final reduction		3.214 (45/14)
Transmission		5 Speed transmission
Gear ratio	1st	3.455 (38/11)
	2nd	1.94 (33/17)
	3rd	1.318 (29/22)
	4rd	1.04 (26/25)
	5th	0.923 (24/26)
Electricals		
Battery		*MF battery,12V-4Ah/ETZ5
Alternator		165 W @ 5000 r/min
Starting system		Kick/Electric start
Headlamp (High/Low)/Position lamp		LED

***MF stands for Maintenance Free**

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Chassis and suspension		
Tail/Stop lamp	Disc-Drum variant	LED
	Drum-Drum variant	12V-5/21W
Turn signal lamp	Disc-Drum variant	LED
	Drum-Drum variant	12V-10Wx4 (Amber bulb) with clear lens-**MFR
Meter illumination		LED
Neutral indicator		LED
Turn signal indicator (RH + LH)		LEDx2
Hi beam indicator		LED
i3s indicator		LCD
Side stand indicator		LED
Malfunction indicator lamp (MIL)		LED
Low fuel indicator		LED
Licence plate lamp	Disc-Drum variant	12V-5.0W
	Drum-Drum variant	12V-3.0W
Fuse	Circuit fuse	15A, 25A, 10A, 10A & 10A
	Spare fuse	25A, 10A

****MFR stands for Multi-Focal Reflector**

ACCESSORIES & MODIFICATIONS

Modifying your vehicle or using non-Hero MotoCorp accessories can make your vehicle unsafe. Before you consider making any modifications or adding an accessory, be sure to read the following information.

⚠ WARNING

- ***Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.***
- ***Follow all instructions in this owner's manual regarding accessories and modifications.***

Accessories

- Make sure that the accessory does not obscure any lamps, reduce ground clearance, limit suspension travel or steering travel, affect your riding position or interfere with the operation of any controls.
- Be sure electrical equipment does not exceed the vehicle's electrical system capacity **(page 8).** A blown fuse can cause a loss of lights.
- Do not pull a trailer or sidecar with your vehicle. This vehicle was not designed for these attachments, and their use can seriously impair your vehicle's handling.

Modifications

We strongly advise you not to remove any original equipment or modify your vehicle in any way that would change its design or operation. Such changes could seriously impair your vehicle's handling, stability and braking, making it unsafe to ride. Removing or modifying your lamps, mufflers, emission control system or other equipment can also make your vehicle illegal.

ANTI-THEFT TIPS

- Always lock the steering and never leave the key in the ignition switch. This sounds simple but people do forget.
- Be sure the registration information for your vehicle is accurate and correct.
- Park your vehicle in a locked garage whenever possible.
- Use an additional anti-theft device of good quality.
- Never park your vehicle in an isolated area. Park as far as possible in a designated area.
- Keep a note in your vehicle all the time with your name, address and contact details.

VEHICLE SAFETY

IMPORTANT SAFETY INFORMATION

Your vehicle can provide many years of service and pleasure if you take responsibility for your own safety and understand the challenges you can meet on the road.

There is much that you can do to protect yourself when you ride. You will find many helpful recommendations throughout this manual. Following are a few that we consider most important.

Always wear a helmet

It is a proven fact, helmet significantly reduces the number and severity of head injuries. So always wear a helmet and make sure your pillion rider does the same. We also recommend that you wear eye protection, sturdy boots, gloves and other protective gear.

Before riding your vehicle

Make sure that you are physically fit, mentally focused and free of alcohol and drugs. Check that you and your pillion are both wearing an approved vehicle helmet and protective apparel. Instruct your pillion on holding onto the grab rail or your waist, leaning with you in turns, and keeping their feet on the footrest, even when the vehicle is stopped.

Take time to learn & practice your vehicle

Even if you have ridden other vehicles, practice riding in a safe area to become familiar with how this vehicle works and handles, and to become accustomed to the vehicle's size and weight.

Hero RideSafe

Ride defensively

Always pay due attention to other vehicles around you, and do not assume that other drivers see you. Be prepared to stop quickly or perform an evasive maneuver.

Make yourself easily visible

Some drivers do not see vehicles because they are not looking for them. To make yourself more visible, wear bright reflective clothing, position yourself so that others can see you, signal before turning or changing lanes, and use horn which will help others to notice you.

Ride within your limits

Pushing the limits is another major cause of vehicle accidents. Never ride beyond your personal abilities or faster than conditions demand. Remember that fatigue and negligence can significantly reduce your ability to make good judgements and ride safely.

Do not drink and ride

Riding under the influence of alcohol or drugs is dangerous. Alcohol can reduce your ability to respond to changing conditions and increase the reaction time. Do not drink and ride.

Keep your vehicle in safe condition

For safe riding, it is important to inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits, and use accessories that have been recommended by Hero MotoCorp for this vehicle.

If you are involved in a crash

Personal safety is your first priority. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. Call for emergency assistance if needed. Also follow applicable laws and regulations if another person or vehicle is involved in the crash.

If you decide to continue riding, first evaluate the condition of your vehicle. If the engine is still running, turn it off. Inspect for fluid leaks, check the tightness of critical nuts and bolts, and check the handlebar, brake levers, brakes, and wheels. Ride slowly and cautiously. Your vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

PROTECTIVE APPAREL

For your safety, we strongly recommend that you always wear a helmet which should conform as per your country standards, in addition to eye protection, boots, gloves, long pants and a long sleeve shirt or jacket hanging clothes while solo/pillion riding. Although complete protection is not possible, wearing proper gear can reduce the chance of injury when you ride.

Following are suggestions to help you choose proper riding gear.

⚠ WARNING

- ***Not wearing a helmet increases the chance of serious injury or death in a crash.***
- ***Be sure you and your pillion always wear a helmet, eye protection and other protective apparel when you ride.***

Helmets and eye protection

Your helmet is your most important piece of riding gear because it offers the best protection against head injuries. A helmet should fit your head comfortably and securely. A bright coloured helmet can make you more noticeable in traffic, as can reflective strips.

An open-face helmet offers some protection, but a full-face helmet offers more. Always wear face shield or goggles to protect your eyes and help your vision.

Additional riding gear

In addition to a helmet and eye protection, we also recommend:

- Sturdy boots with non-slip soles to help protect your feet and ankles.
- Leather gloves to keep your hands warm and help prevent blisters, cuts, burns, and bruises.
- A two wheeler riding suit or jacket for comfort as well as protection. Bright coloured reflective clothing can help make you more noticeable in traffic. Be sure to avoid loose clothes that could get caught on any part of your vehicle.

SAFE RIDING TIPS

Do's:

- Always conduct simple pre-ride inspection **(page 49)**.
- Always wear a helmet chin strap securely fastened and insist on a helmet for your pillion rider.
- While riding, sit in a comfortable position with your legs close to fuel tank.
- Ride defensively and at a steady speed (between 40-50 km/hr).
- To stop the vehicle (in IBS), press the rear brake pedal for the application of front and rear brakes simultaneously. However, for more effective braking, use both brakes simultaneously, keeping throttle in the closed position.
- During night time, dip headlamps of your vehicle for oncoming traffic, or when following another vehicle.
- Give way to others on the road and signal before you make a turn.
- To make yourself more visible, wear bright reflective clothing that fits well.
- Tightly wrap loose/hanging clothes & avoid entangling with moving parts.
- Get your vehicle serviced regularly by the Authorised Distributor/Dealer..
- Before riding make sure in which mode you are riding whether with i3s switch "ON" or "OFF".

Don't

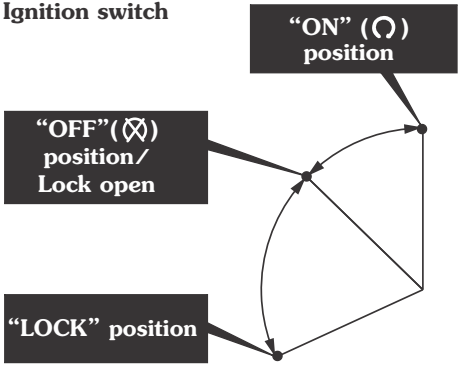
- Never use cell phone while riding the vehicle.
- Avoid sudden acceleration, braking and turning of your vehicle.
- Never shift gears without disengaging the clutch and closing the throttle.
- Never touch any part of the hot exhaust system like muffler.
- Never ride under the influence of alcohol or drugs.
- Concentrate on the road and avoid talking to the pillion rider or others on the road.
- Do not litter the road.
- Do not cross the continuous white/yellow line in the center of the road, while overtaking.
- Do not attach large or heavy items to the handlebars, front forks, or fenders.
- Never take your hands off the steering handle while riding.
- Do not switch off the integrated start-kill switch (⊠) while riding the vehicle **(page 39).**
- Do not move the side stand down while riding, as engine will stop while vehicle is in gear **(page 45).**
- Navigation system assists you to reach your destination, don't be distracted while driving. Drive safely and always obey traffic rules.

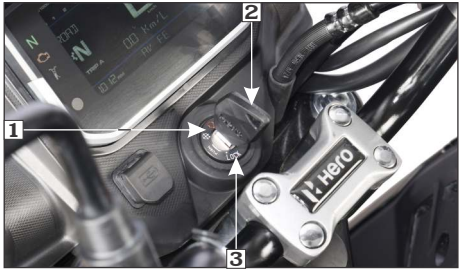
TIPS FOR HEALTHY ENVIRONMENT

The following tips shall ensure a healthy vehicle, healthy environment, and a healthy you.

- **Healthy engine:** The engine is the lifeline of every vehicle. To keep it healthy, it should be tuned regularly, which will also help reduce pollution and improve vehicle performance & fuel efficiency.
- **Regular servicing:** Get your vehicle serviced at an Authorised Distributor/Dealer, as per the service schedule, for an optimum performance and keep the emission level under check.
- **Genuine spares:** Always insist on Hero MotoCorp genuine parts as spurious or incompatible spares and accessories can upset or deteriorate your vehicle's running condition.
- **Genuine engine oil:** Hero 4T Plus SAE 10W 30 SL grade (JASO MA2) engine oil recommended by Hero MotoCorp and make sure you change it every 6000 km (with top up every 3000 kilometres) to keep the engine fit and environment healthy.
- **Noise pollution :** Noise beyond a certain decibel is pollution. Whether it is from horns or defective mufflers, excessive noise will cause headaches and discomfort.
- **Fuel saving & Reduce pollution :** Switch "OFF" the engine while waiting at traffic signal points to save fuel and reduce pollution, if the waiting period is long.
- **BS-VI grade fuel :** Always use BS-VI grade fuel to adhere to BS-VI.

PARTS FUNCTION
Ignition switch



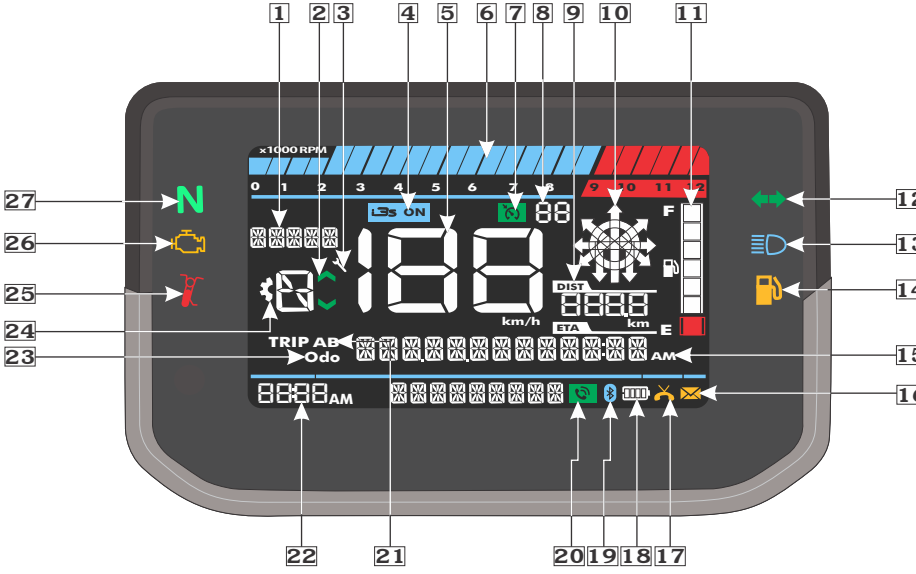


(1) Ignition switch
(2) Ignition key
(3) Steering lock position

Key position	Function	Key removal
"ON" (⏻)	The LCD panel illuminates & initial display of multi function digital segments are displayed. The fuel gauge segment will swing to the maximum scale once and back to its normal position. The speedometer, odometer and RTMI will go to their maximum values and will come back to their normal readings. The engine can be started. Turn signal lamp, horn, stop lamp, fuel gauge, neutral indicator & hazard switch will be functional. Malfunction indicator lamp (MIL) illuminate continuously and i3s indicator glows for 2 seconds.	Key cannot be removed
"OFF"(⊗)	Engine cannot be started and no electrical system will be functional.	Key can be removed
"LOCK"	Steering is locked.	Key can be removed

Instruments and Indicators

The indicators are in the speedometer panel above the headlamp. The functions are as below.



Sl. No.	Description	Function
1	Driving modes	Displays the selected drive mode state.
2	Gear shift indicator	Recommends upshifting/downshifting based on current riding conditions.
3	Service reminder indicator	Displays when the next service is due **(page 24).**
4	i3s indicator	When i3s symbol is displayed, i3s is "ON". When i3s ON is displayed, i3s is activated **(page 42)**.
5	Speedometer	Indicates driving speed.
6	Tachometer	Shows engine revolution per minute. The tachometer digital segments will swing to maximum scale on the meter console once the ignition switch is turned "ON".
7	Cruise control (Disc variant)	Indicates the activation of cruise mode.
8	Round about exit	Displays the number of round about exits during navigation.
9	Navigation next move distance	Once the navigation is started via Hero Global APP **(page 33)** meter console will display the distance for next move to the location.
10	Navigation	Displays turn by turn navigation guidance/direction through navigation signs once cluster receives the navigation data via Hero Global APP **(page 33)**.
11	Fuel gauge	Indicates approximate fuel available in the form of digital segments. The digital segments will swing to maximum scale on the meter console once the ignition switch is turned "ON" (⏼) **(page 23).**

Sl. No.	Description	Function
12	Turn signal indicators	Flashes when turn signal switch is operated.
13	High beam indicator	Light glows when headlamp is in "Hi" beam.
14	Low fuel indicator	Light glows when the fuel quantity is low **(page 26)**.
15	ETA (Estimated time of arrival)	Once the desired location is enter in navigation via Hero app **(page 33)** meter console will ETA (Estimated time of arrival) to the location.
16	Message alert	You will get all the message alert on the meter console once your smartphone is paired with the vehicle via Hero Global APP **(page 32)**.
17	Missed call alert	You will get all the missed call alert on the meter console once your smartphone is paired with the vehicle via Hero Global APP **(page 32)**.
18	Phone battery status	Display battery status of smartphone on the meter console once your smartphone is paired with the vehicle via Hero Global APP **(page 32)**.
19	Bluetooth	On pairing with Hero Global APP **(page 29)**, the meter console displays a bluetooth symbol, indicating bluetooth is connected.
20	Incoming call alert	You will get all the incoming call alert on the meter console once your smartphone is paired with the vehicle via Hero Global APP **(page 31)**.
21	Tripmeter A & B	Shows the distance travelled during a trip after setting to zero **(page 22)**.

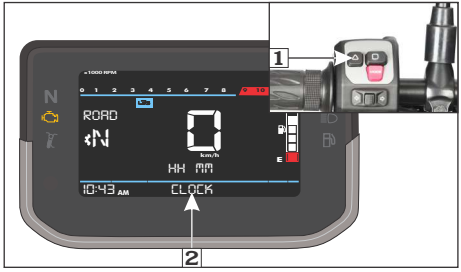
Sl. No.	Description	Function
22	Digital clock	Indicates hours & minutes **(page 20)**.
23	Odometer	Shows accumulated distance travelled **(page 22)**.
24	Gear indicator	Displays the selected gear while riding **(page 26)**.
25	Side stand indicator	Light glows when the vehicle is parked on the side stand.
26	Malfunction indicator lamp (MIL)	When the ignition switch is turned "ON" the malfunction indicator lamp (MIL) glows continuously and then should go "OFF" once the engine is started. It indicates that vehicle is OK. If it glows continuously there is an abnormality in the vehicle, it is recommended to reduce the speed and drive to the Authorised Distributor/Dealer. for check-up.
27	Neutral indicator	Light glows when vehicle is in neutral.

LCD PANEL

(a) Digital clock

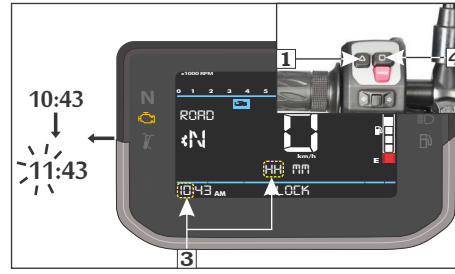
Digital clock shows hour and minute. To adjust the time, proceed as follows :

- Turn the ignition switch "ON" (⏻).
- Press and hold user interface (UI) mode button (1) until clock mode (2) is displayed.



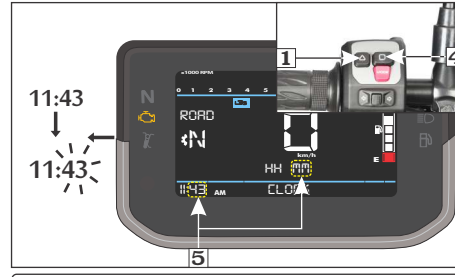
(1) UI Mode button (2) Clock mode

- Press and hold UI mode button (1) until "HH" and hour's digit (3) display starts blinking.
- To set the hour, press user interface (UI) set button (4) until the desired hour is displayed.
  - The time is advanced by 1 hour each time the button is pressed.
  - The time advances fast when the button is pressed and held.
  - "AM" will change to "PM" after 12.



(1) UI Mode button (3) "HH" and hour's digit
(4) UI Set button

- Press the UI mode button (1). The "MM" and minutes digit (5) starts blinking.



(1) Mode button (4) Set button
(5) "MM" and minutes digit

- To set the minute press UI set button (4) until the desired minute is displayed. The minute display will return to "00" when "60" is reached without affecting the hour display.

- The time advances by 1 minute, each time the button is pressed.
- The time advances fast when the button is pressed and held.

- To end the adjustment press the UI mode button (1) until clock stops blinking.

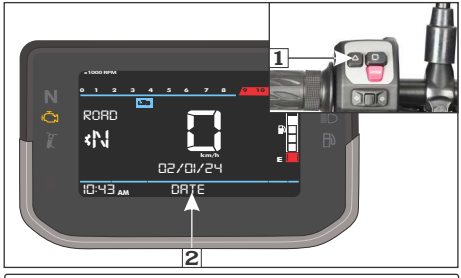
NOTE

The clock will reset to "1:00 AM" if the battery is disconnected.

(b) Date

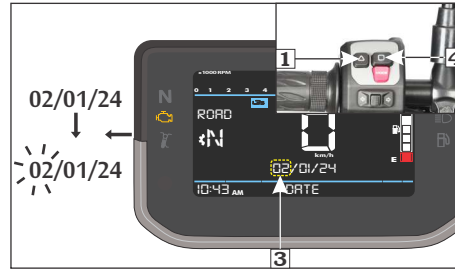
Date shows date, month and year. To adjust the date, proceed as follows :

- Turn the ignition switch "ON" (⏻).
- Press and hold user interface (UI) mode button (1) until date mode (2) is displayed.



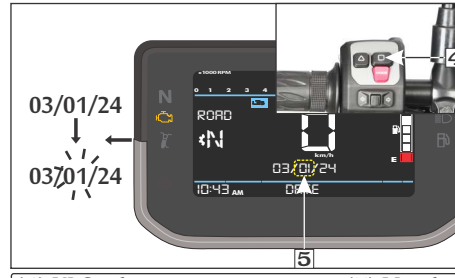
(1) UI Mode button **(2) Date mode**

- Press and hold UI mode button (1) until date (3) starts blinking.
- To set the date, press user interface (UI) set button (4) until the desired date is displayed.



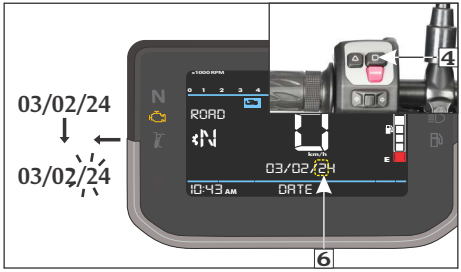
(1) UI Mode button **(3) Date**
(4) UI Set button

- To set the month (5), press UI set button (4) until the desired month is displayed.



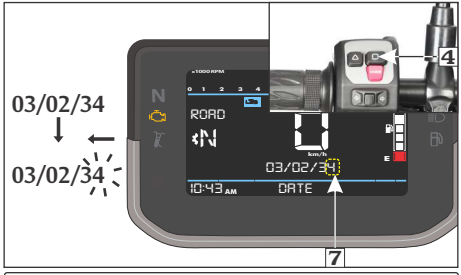
(4) UI Set button **(5) Month**

• To set the year first digit (6), press UI set button (4) until the desired year first digit is displayed.



(4) UI Set button **(6) Year first digit**

• To set the year second digit (7), press UI set button (4) until the desired year second digit is displayed.



(4) UI Set button **(7) Year second digit**

• To end the adjustment press the UI mode button (1) until date stops blinking.

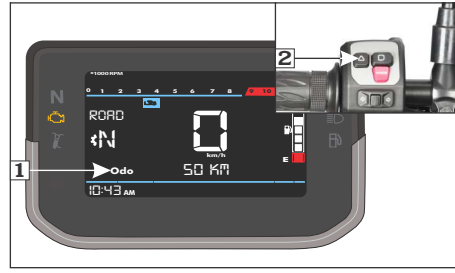
NOTE

The date will reset to "01/01/24" if the battery is disconnected.

(c) Odometer

The odometer (1) shows accumulated distance travelled.

Press the user interface (UI) mode button (2) to select odometer.



(1) Odometer **(2) UI Mode button**

(d) Tripmeter

The tripmeter shows distance travelled since trip meter was reset last time. There are two tripmeters, trip A (1) and trip B (2).

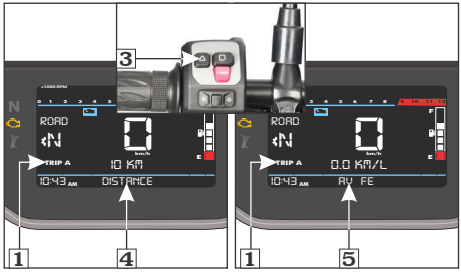
Trip A or trip B can be displayed upto "99999.9" km.

Press the set button (1) to view the following tripmeter parameters:

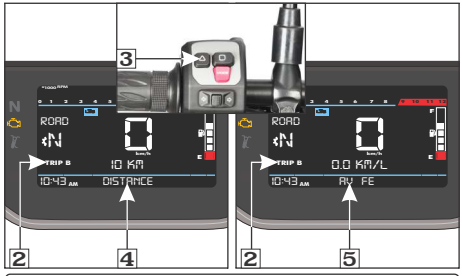
Press the user interface (UI) mode button (3)

to view the following trip A or trip B parameters:

- **Distance (4)**: distance covered in a trip.
- **Avg fuel consumption (FE) (5)**: average fuel consumption at which vehicle covers the trip distance.



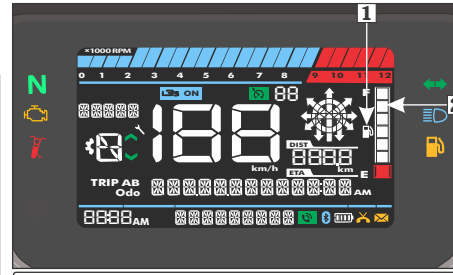
(1) Trip A **(3) UI Mode button**
(4) Distance **(5) Avg fuel consumption (FE)**



(2) Trip B **(3) UI Mode button**
(4) Distance **(5) Avg fuel consumption (FE)**

(e) Fuel gauge

The fuel gauge (1) indicates approximate fuel available in the form of digital segments.



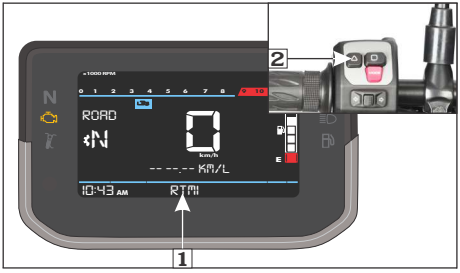
(1) Fuel gauge **(2) Segments**

The digital segments (2) will swing to maximum scale on the meter console once the ignition switch is turned "ON" (⏻).

If all the segments are displayed it means fuel quantity in the fuel tank is 10 litres.

(f) Real time mileage indicator (RTMI)

The real time mileage indicator (RTMI) (1) shows the current mileage of the vehicle in km/litre and is refreshed after every 3 seconds. Press the UI mode button (2) until RTMI is displayed.



(1) Real time mileage indicator (RTMI)
(2) UI Mode button

When the ignition switch is turned "ON" (⏻) position, the real time mileage indicator will temporarily show the digit "----.--" km/litre The display range is from (0 to 120 km/litre).

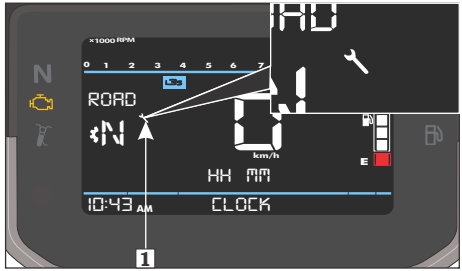
The fuel consumption shall be displayed when the speed of the vehicle is 5±2 km/hr. If the speed is less then 5±2 km/hr "--.-" km/litre will be displayed.

The RTMI shows a minimum value of "0.0" km/litre and maximum value of "120" km/litre. During coasting with throttle fully closed, the fuel consumption is very minimal and hence the display can go up to "120" km/litre.

(g) Service reminder indicator

The service reminder indicator (1) is to indicate the user to bring the vehicle to an Authorised Distributor/Dealer. for service. The indicator shall start blinking when the vehicle covers kilometers as specified in the maintenance schedule. The indicator will keep on blinking throughout the kilometer interval for a particular service and will stay ''ON'' thereafter.

The service reminder indicator "🔧" can be reset at an Authorised Distributor/Dealer.



(1) Service reminder indicator

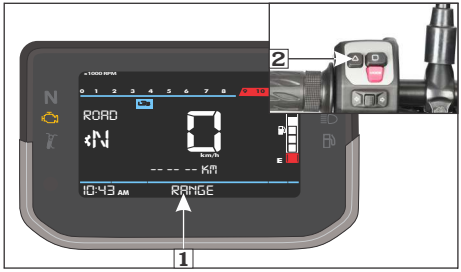
NOTE

After getting the vehicle serviced, make sure that the service reminder indicator has been reset.

(h) DTE (Distance to empty)

Distance to empty "Range" (1) indicates the estimated distance that the vehicle can travel under current fuel economy and fuel level conditions. It is calculated based on the fuel consumed over the last 15 km (approx.), and is updated after every 5 km (approx.). This is only an indicative figure based on past riding conditions, and true distance to empty may differ based on the current riding conditions.

Press the UI mode button (2) until "Range" is displayed.



(1) Distance to empty (DTE) (2) Mode button

NOTE

- ***In low fuel condition, DTE will show "---".***
- ***A new vehicle will show a default value until the system is ready to display actual value.***

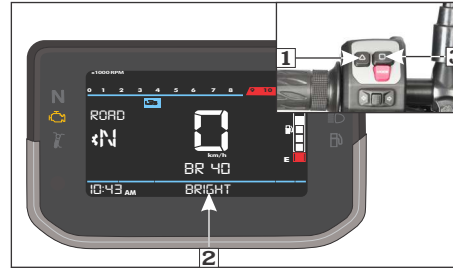
(i) LCD backlight brightness control

The LCD backlight brightness can be adjust.

The range of the brightness is from 20% (minimum) to 100% (maximum) or auto.

To change the brightness level of the LCD backlight, follow the below procedure:

- Turn the ignition switch "ON" (⏻).
- Press and hold the UI mode button (1) for more than 3 seconds from odometer screen. Brightness level mode will appear.
- Press the UI mode button (1) (not more than 1 second) to change the brightness level (2).



(1) UI Mode button (2) Brightness level (3) UI Set button

- The brightness level will change in multiple of 20%.
- Once the brightness level is set, press and hold the UI set button (3) until the brightness mode disappears.

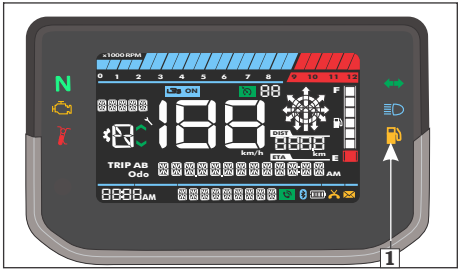
- After setting the brightness level, if the mode button is not pressed and hold until 30 seconds then the last brightness level shall be stored and returned to normal mode.

NOTE

- ***The default brightness level is at "Auto".***
- ***Every ignition "OFF" to "ON" will display the last set brightness level.***
- ***To set the brightness level, the speed of the vehicle should be less than 3km/hr.***
- ***If the vehicle's speed is more than 3km/hr, and the desired brightness level is set then it will not be stored and will return to normal mode.***

LOW FUEL INDICATOR

Low fuel indicator (1) is a warning indicator for the user to refuel as soon as possible.



(1) Low fuel indicator

CAUTION

Please ensure the vehicle is not used with low fuel indicator glowing continuously. It will not only result in the vehicle running out of fuel, but may also cause serious damage to the fuel pump. Please ensure fuel is refilled as soon as the low fuel indicator starts glowing.

NOTE

To check the fuel level indication, the vehicle should be on levelled surface and in stationary condition.

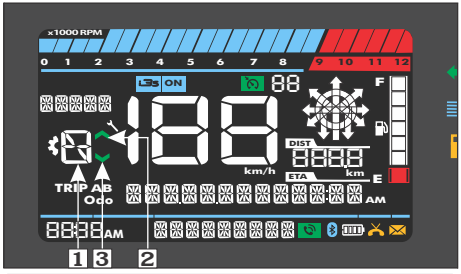
FEATURES

(a) Gear & Shift indication

Indicates current gear position (1) of your vehicle in which it is running and assists the rider to shift gear for achieving optimum fuel efficiency and best ride experience based on your vehicle engine performance.

It displays following riding instructions :

- **Shift up indicator (2):** it recommends shifting to higher gear.
- **Shift down indicator (3):** it recommends shifting to lower gear



(1) Gear indicator (2) Shift up indicator
(3) Shift down indicator

NOTE

- ***Gear indicator displays "N" when your vehicle is in neutral.***
- ***It is recommended to ride your vehicle as per road and traffic conditions.***

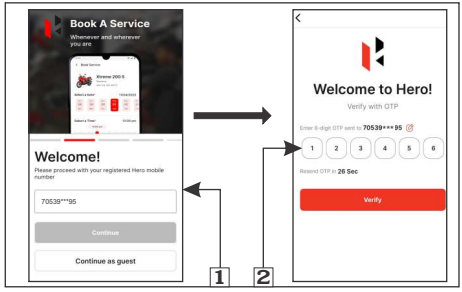
(b) Hero Global App

Application:

Hero Global APP is available in the google play store (for androids) or App Store (for iOS), which can be installed in your device to access bluetooth, incoming calls alerts, missed call alerts, mobile battery status and message alert and navigation features.

To connect your device proceed as follows:

- Open Hero Global APP on your smartphone.
- Application asks the user to login (1) using registered mobile number.
- Now user will receive the 6-digit OTP on registered mobile number.
- User required to enter the 6-digit OTP (2) and verify.

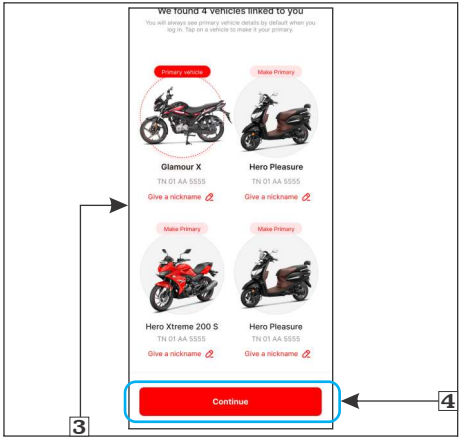


(1) Login (2) Enter OTP

NOTE

- ***Compatibility and performance of Hero Global APP may vary based on your device and software version.***
- ***Application needs GPS signal, internet and bluetooth connectivity to perform the desired navigation functionality.***

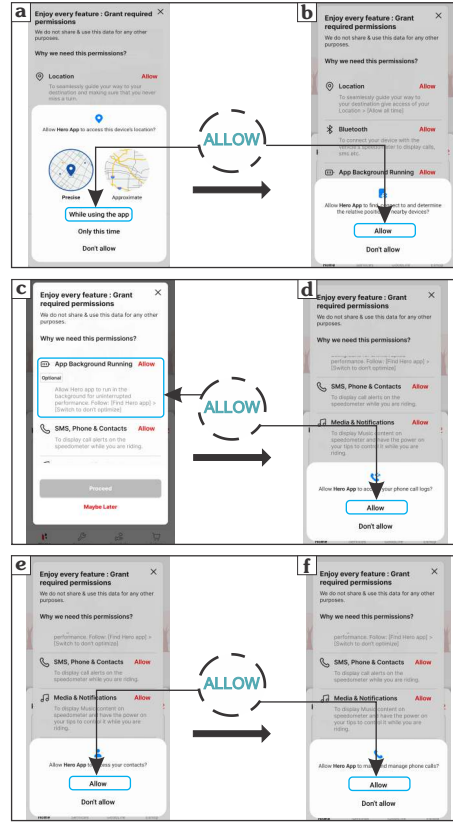
- After successful verification, select vehicle screen (3) will be replicated on mobile screen. Tap on the vehicle image to continue.
- Select the vehicle and click on "Continue" (4).

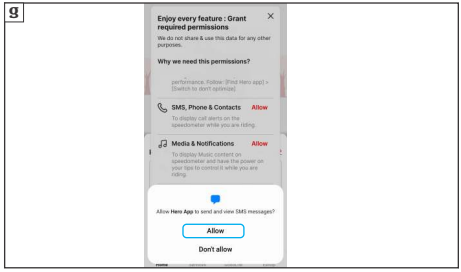


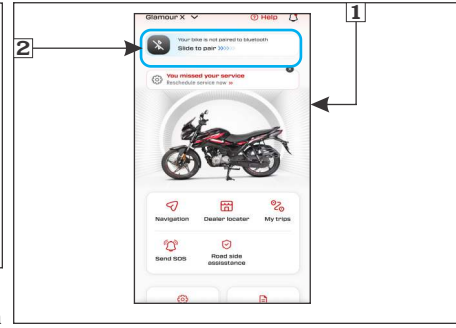
(3) Select vehicle screen **(4) Continue**

- For first time pairing, allow the application to access:

a. Device location.
b. Bluetooth connectivity.
c. App background running (optional).
d. Phone call logs on your device.
e. Contacts.
f. Make and manage phone calls.
g. Send and view SMS messages.







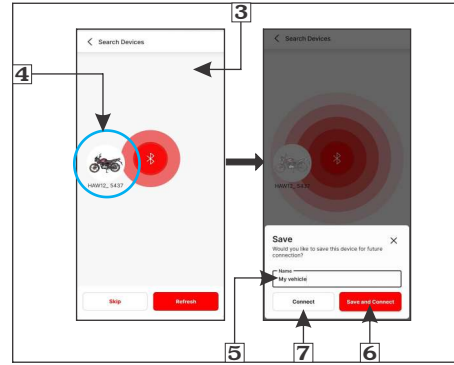
(1) Dashboard **(2) Slide to pair**

Bluetooth:

Your vehicle is equipped with bluetooth connectivity feature by which you can pair your smartphone with the meter console of your **GLAMOUR X** vehicle through Hero Global APP.

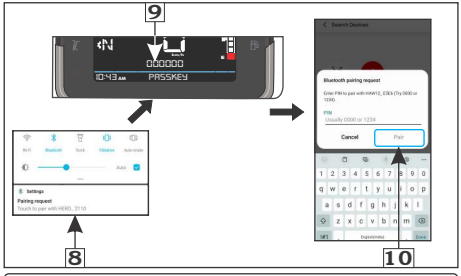
After successful login to Hero Global APP **(page 27)** To connect your device to bluetooth proceed as follows:

- After selecting the vehicle, user can view the Dashboard (1) with 'Slide to pair' tab visible.
- After sliding the 'Slide to pair' (2) tab.
- User will be redirected to the Bluetooth searching screen (3).
- The application searches for a while and displays all compatible nearby devices. Select the device (4).
- Update your name (5) (if required) and select either save and connect (6) or connect (7) to proceed.



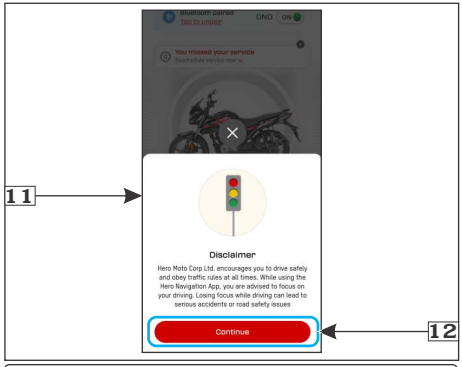
(3) Bluetooth searching screen
(4) Select the device **(5) Update your name**
(6) Save and connect **(7) Connect**

- Now application will send pairing request notification (8). Click on the notification
- Now meter console will display pairing pin (9).
- Enter the pin in application screen and select “Pair” (10).

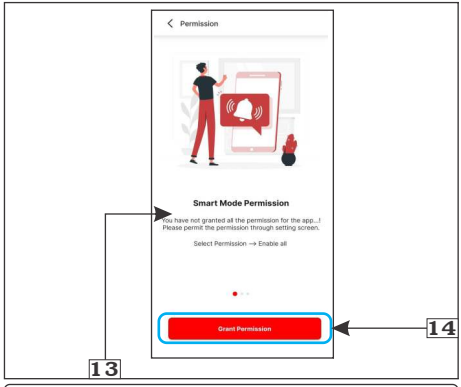


(8) Pairing request notification
(9) Pin **(10) “Pair”**

- Disclaimer popup (11) instruction will show, click on “Ok” (12) to dismiss the popup.
- Now application asks the user to give the smart mode permission (android) (13) for DND mode, where phone will switch to vibrate mode from ringing.
- After granting permission (14) user will be able to access the DND feature.

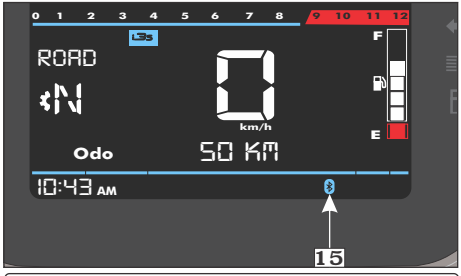


(11) Disclaimer popup **(12) Ok**



(13) Smart mode permission
(14) Grant permission

• On pairing, bluetooth symbol (15) is displayed.



(15) Bluetooth symbol

Autopairing

Your vehicle is equipped with autopairing feature by which if you turn ''OFF'' vehicle's ignition switch after successful pairing with Hero Global APP, it will reconnect automatically once ignition switch is turned

NOTE

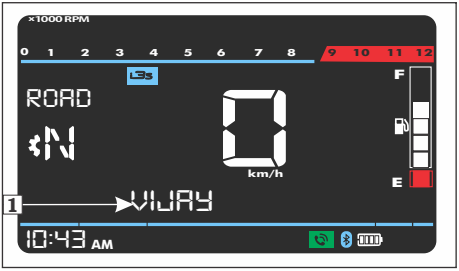
- ***Always keep your smartphone close to your vehicle during the course of pairing, autopairing and navigation.***
- ***Application needs to be running in the background and bluetooth must be "ON".***
- ***For iOS devices, unpair the vehicle from the Hero Global APP and then pair again if any feature does not function properly.***

Various features of Hero Global APP are as follows:

- **Incoming call alert**

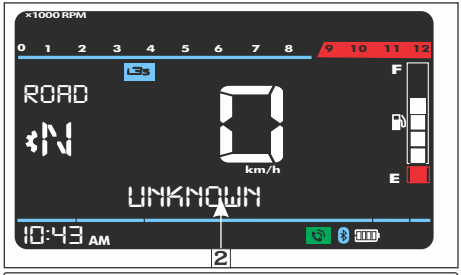
When smartphone is paired with the meter console of your vehicle via bluetooth **(page 29)**, then you will get all the incoming calls alerts with caller name (1) on the meter console.

It will display the name of the caller if it is stored in your compatible smartphone. For example: If caller's number is stored in your compatible smartphone by name of Vijay, then your meter console will display "Vijay".



(1) Incoming call alert by name

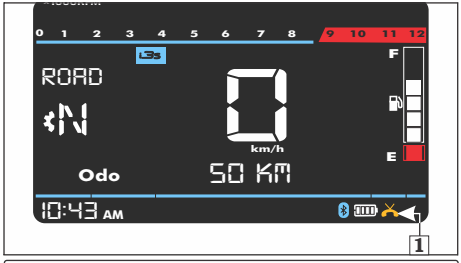
If the number is not saved in your device by name then it will display "Unknown" (2).



(2) Unknown

- **Missed call alert**

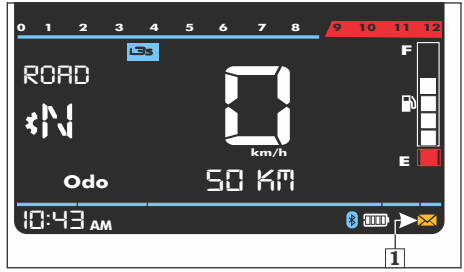
When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 29)**, then you will see missed call alerts (1) on the meter console.



(1) Missed call alert

- **Message alert**

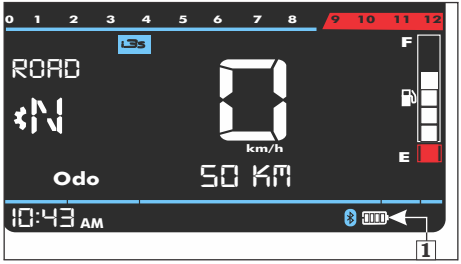
When your smartphone (android) is paired with the meter console of your vehicle via bluetooth **(page 29)**, then you will get all the message alerts (1) on the meter console.



(1) Message alert

- **Phone battery status**

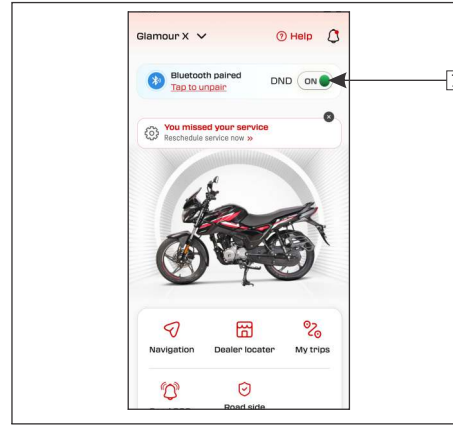
When your smartphone is paired with the meter console of your vehicle via Bluetooth **(page 29)**, then it will display phone battery status (1) of your smartphone on the meter console.



(1) Phone battery status

- **Do not disturb (DND) mode**

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 29)**, then you can switch "ON" the DND mode (only on android) (1) in which your smartphone will be on vibrate mode and if you receive any call, an SMS will be triggered and sent to the caller stating **"I'm riding bike, Please call me later"**.

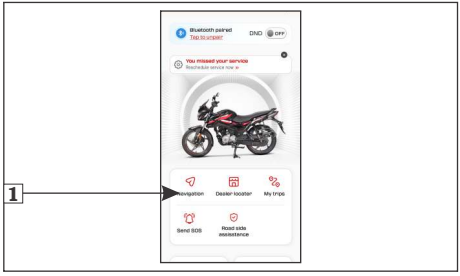


(1) DND mode on Hero Global APP

- **Navigation**

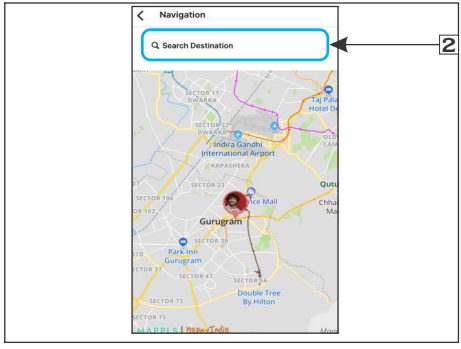
To use navigation feature proceed as follows:

- Connect your vehicle with your Hero Global APP via bluetooth **(page 29)**.
- Click on navigation (1) in the dashboard of Hero Global APP.



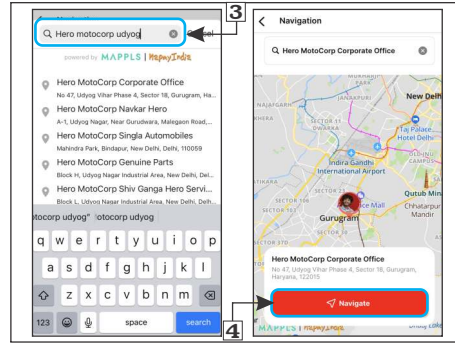
(1) Navigate on Hero Global APP

- User will search the destination (2) on the Hero Global APP.



(2) Search the destination

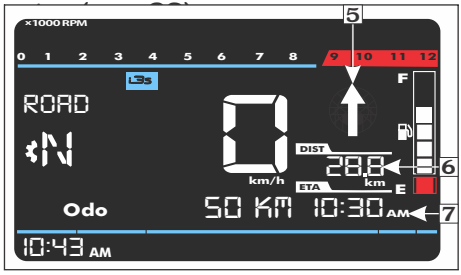
- Application shows the search result (3) of the addresses, User can select the address to find and check the route.
- Once route is found, user has to click on 'Navigate' (4) and the route suggestion will show in the map.



(3) Search result **(4) Navigate**

- Now user can view the turn by turn navigation in navigation on meter console of the vehicle.

- After clicking on navigate, meter console will display the direction (5), distance for next move (6) and estimated time of arrival (ETA) (7). Estimated time of arrival will be displayed in "am"or "pm". Hero Global APP and meter console of your vehicle will display step by step navigation guidance/direction through navigation



(5) Direction (6) Distance for next move (7) ETA

NOTE

At any point, if Navigation system loses signal, then it displays "NO SIGNAL" on meter console when vehicle is in navigation mode.

WARNING

Navigation system assists you to reach your destination, don't be distracted while riding. Ride safely and always obey traffic rules.

(d) Panic brake signal system (Disc variant)

The panic break signal system is a safety feature to alerts the traffic behind by activating the hazard light when brakes are applied rapidly and severely.

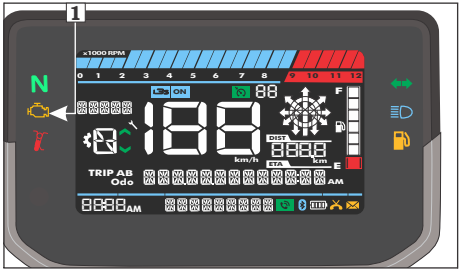
- The system is activated when (vehicle speed is more then 45 km/h and the vehicle deceleration is more than or equal to 6 m/s^2).
- The system shall be de-activated when (the vehicle deceleration has fallen below 2.5 m/s^2).

NOTE

- ***Sometimes during panic or hard braking, the lamp can glow for a few seconds and then go "OFF" when the vehicle returns to normal state.***
- ***If the lamp glows continuously when the engine is "ON", stop immediately, switch "OFF" the engine, and contact an Authorised*** Distributor/D***ealer..***

(e) Limp home mode

Your vehicle has a safety feature called Limp Home Mode. It helps you get to a safe place if the throttle stops working. This mode turns on automatically if there is a problem with the throttle. You will know it's on if turning the throttle grip does not change the engine speed. The MIL (1) will also turn "ON".



(1) Malfunction indicator lamp (MIL)

How to Ride in Limp Home Mode:

- Start the engine.
- Pull in the clutch and shift into 1st gear.
- Slowly release the clutch. Do NOT turn the throttle grip. The engine will automatically set a low, steady speed.
- Shift gears according to the road and load conditions.
- To stop, pull in the clutch and apply the brakes.

⚠ WARNING

- ***Ride at Slow Speeds Only: This is an emergency mode. For your safety, you must maintain a slow and careful speed at all times.***
- ***Get Help Immediately: When this mode activates, ride directly to the nearest authorized workshop. If you are unable to, pull over in a safe location and call for assistance.***

⚠ WARNING

- ***Select Gears as Needed: Use the clutch and shift gears as you normally would, without turning the throttle grip. Be sure to select the correct gear for the riding conditions, such as using a lower gear when riding up a hill or a flyover.***

(f) Steering lock

Steering lock with ignition switch, turn the ignition key (1) to "OFF" (⊗) position & turn the handlebar completely towards left or right & push the key downwards & turn towards "LOCK" position. After locking, take out the key.



(1) Ignition key

HANDLEBAR SWITCHES CONTROL

Left handlebar controls

1. Headlamp dimmer/Passing switch

The headlamp operates only when the engine is running or when passing switch is operated.

Press the switch (1) upwards for high beam " " downwards for low beam " ".

Press the switch to pass lamp position to operate the pass lamp.



(1) Headlamp dimmer/passing switch
(2) Clutch switch

2. Clutch switch

There is a clutch switch (2) provided for the safety of the rider. The vehicle cannot be started by electric starter switch until the clutch lever is operated when the vehicle is engaged in gear.

3. User interface mode and set button

UI Mode/set button (3) are used to operate the functions of the LCD display.

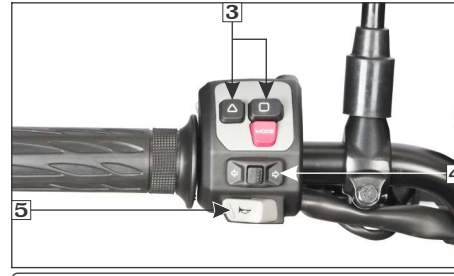
4. Turn signal lamp switch ( )

Shift the turn signal switch (4) sideways for right/left indications and leave it to come back to its normal position on its own.

IMPORTANT : To switch "OFF" the turn signal after completing the turn, gently push the switch inside.

5. Horn switch ( )

Press the switch to operate the horn (5).



(3) User interface mode/set switch
(4) Turn signal switch (5) Horn switch

6. Mode switch

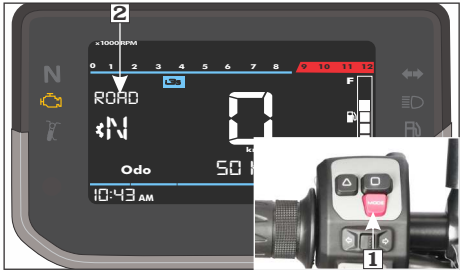
Mode switch allows to switch between following modes:

- **Eco mode**
- **Road mode (Default)**
- **Power mode**

Turn the ignition switch "ON" ( ).

To change the mode, keep throttle grip released and press the mode switch (1).

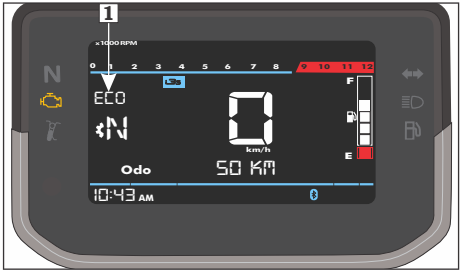
Selected mode (2) will appear on the meter console.



(1) Mode switch **(2) Selected mode**

- **Eco mode**

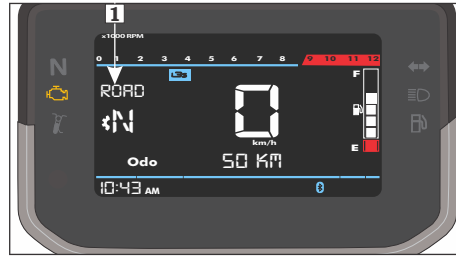
Eco mode (1) offers a relaxed throttle response and acceleration. This mode is ideal for long rides and for extracting maximum fuel efficiency.



(1) Eco mode

- **Road mode**

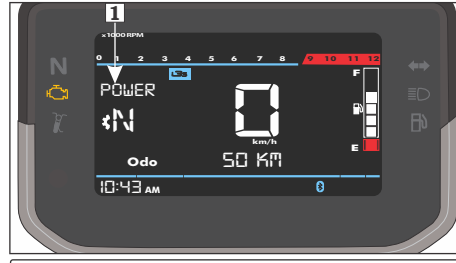
Road mode (1) offers a perfect balance between economy and performance, with a quicker throttle response (compared to eco).



(1) Road mode

- **Power mode**

Power mode (1) offers an instant throttle response, perfect for riders looking for spirited riding experience. This mode is only recommended for seasoned riders.



(1) Power mode

Right handlebar controls

1. Integrated start-kill switch

(a) Electric starter operation (⊛)

Press the electric starter (⊛) (1) of integrated start-kill switch (2) to start the vehicle. Ensure the electric starter operation is done when the vehicle transmission is in neutral. If the vehicle is engaged in gear, press the clutch lever before electric starter (⊛) operation. Release switch after the engine has started.

! CAUTION

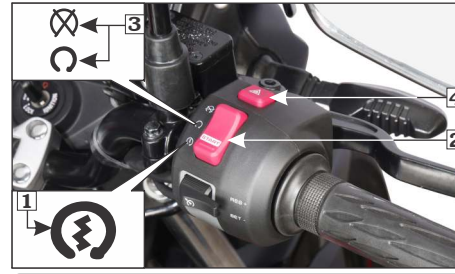
Never hold electric starter (⊛) of integrated start-kill switch continuously more than 5 seconds as continuous cranking of engine will discharge the battery.

(b) Engine stop switch operation

For engine stop operation (3) integrated start-kill switch (2) has two positions. In "ON" (⊙) position, engine will operate and in "OFF" (⊗) position, engine will not operate. The prime function of it is to stop the engine during emergency (Vehicle tip over, throttle stuck etc.). The switch should normally remain in "ON" (⊙) position. During emergency, put the switch to "OFF" (⊗) position.

⚠ WARNING

While riding the vehicle in normal condition, do not press the "Integrated start-kill switch to "OFF" (⊗) position to avoid any damage (Wheel locking leading to accident, part damage, battery discharge etc.).



(1) Electric starter
(2) Integrated start-kill switch
(3) Engine stop (ON/OFF)
(4) Hazard switch

4. Hazard switch (⚠)

Press the hazard switch (4) in ignition "ON" condition whenever your vehicle becomes a temporary hazard for other road users and it is necessary to park the vehicle due to breakdown or other unavoidable problems.

Upon pressing the hazard switch, all turn signal lamps start flashing simultaneously to warn other road users behind you of a hazard or obstruction ahead.

To turn "OFF" the indicator lamps in hazard switch "ON" condition, press the hazard switch again.

NOTE

Use hazard lights only when your vehicle becomes a temporary hazard for other road users.

5. Cruise control switch (Disc variant)

Your vehicle comes equipped with cruise control, which offers multiple benefits:

Enhanced comfort: while riding on open roads or highways, rider can maintain consistent vehicle speed and have a relaxed journey.

Reduce fatigue: the system requires no regular input from the rider, which results in reduced overall fatigue.

Speed adjustment: while cruise control is engaged, rider can easily fine-tune the riding speed using a single switch.

Fuel efficiency: while cruise control is engaged in the recommended gear for the currently set speed, rider can obtain the maximum fuel efficiency.

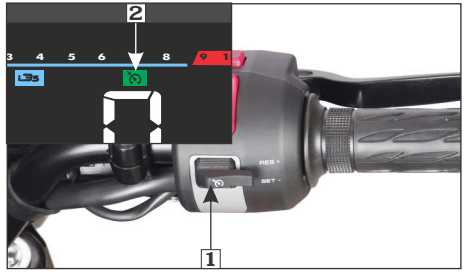
WARNING

- ***Cruise control must only be used when you can safely maintain a steady speed. Do not use it in heavy traffic, on roads with sharp bends, on hilly gradients, or when the road surface is slippery. Using cruise control in these conditions can lead to a loss of vehicle control and may result in an accident.***
- ***Cruise control is designed for usage during regular riding only. Any unconventional usage may result in erratic behaviour. If any concern is observed during regular riding, visit your nearest Authorised Distributor/Dealer.***
- ***for assistance.***
- ***Always have your hands on the steering handlebars when riding. Even with cruise control active, you need to be prepared to take over instantly.***

The cruise control switch (1) is a multifunctional switch that can be pressed in, pushed up, and pushed down to perform various functions.

Enable Cruise Control Mode

Press the cruise control switch (1) once to enable cruise control mode. The cruise control indicator (2) will start flashing.



(1) Cruise control switch
(2) Cruise control indicator

Set/Resume & Adjust Cruise Control Speed

NOTE

Cruise speed should be set when the vehicle is at a steady throttle. If cruise speed is set while vehicle is accelerating or decelerating quickly, the actual vehicle speed may initially increase or decrease, but it will eventually reach the SET SPEED in due course.

NOTE

- ***For proper cruise control function, ensure the front brake lever (drum variant) and rear brake pedal free play adjustments are within specifications.***
- ***The cruise control function will not activate if there is any malfunction in the stop lamp switch. Visit your nearest Authorised Distributor/Dealer.***
- ***for assistance.***

NOTE

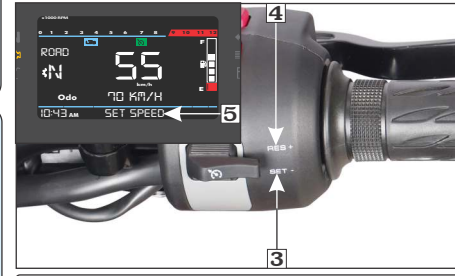
- ***Cruise control speed can only be set when following conditions are met:***
  - ***Vehicle is in 3rd, 4th, or 5th gear.***
  - ***Vehicle speed is more than 30 kmph, but less than 80 kmph.***
  - ***Engine speed is more than 2200 r/min, but less than 8500 r/min.***
  - ***Front or rear brake has been used at least once during current riding session.***
  - ***MIL is not active. Cruise speed may still be set in some cases depending on which DTC is active, however, it is not recommended.***

When all conditions are fulfilled and cruise control mode is enabled, push the cruise control switch to set– (3) to set current vehicle speed as the cruise speed.

WARNING

When resuming cruise control, always ensure that the traffic and road conditions are suitable for cruise control and the previously set speed.

If cruise control has already been used previously during the current riding session, push the cruise control switch to res+ (4) to resume cruise control in the previously set speed. The set speed (5) can be seen on the meter just below the actual vehicle speed.



(3) SET– switch **(4) RES+ switch**
(5) Set speed

The set cruise control speed can be increased by pushing the cruise control switch to res+ (4). Pushing the switch up increases the speed by 2 km/h, while pushing the switch up and holding it increases the speed in steps of 2 km/h up to a maximum of 10 km/h. Similarly, set cruise control speed can be reduced by pushing the cruise control switch to set– (5) down.

Pushing the switch down reduces the speed by 2 km/h, while pushing the switch down and holding it reduced the speed in steps of 2 km/h up to a maximum of 10 km/h.

When vehicle is moving in cruise control mode, the throttle grip can be rotated to momentarily increase the speed (for overtaking). The vehicle will return to the set cruise control speed when throttle grip is released. If the throttle is rotated beyond a certain limit (about 30°), cruise control will be deactivated.

Deactivate Cruise Control

Cruise control can be deactivated by performing any of the following actions:

- Clutch lever is pulled.
- Front or rear brake is applied.
- Throttle grip is rotated more than 30 degrees.

Cruise control will deactivate automatically if any of the following occurs:

- If the engine speed drops below 2500 r/min.
- If the engine speed goes above 8500 r/min.
- If vehicle speed drops below 20 km/h.
- If vehicle speed goes above 85 km/h.

All above-mentioned methods will deactivate cruise control, but keep cruise control mode enabled (cruise control indicator blinking). Cruise control can also be deactivated by pressing the cruise control button, which will also disable the cruise control mode (cruise control symbol off).

i3s (IDLE STOP START SYSTEM)

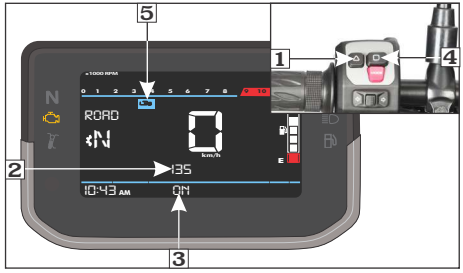
Turning i3s "ON":

Turn the ignition key "ON" position and wait for the meter to initialize.

Repeatedly press the user interface (UI) mode button (1) until i3s mode (2) is displayed.

Turn i3s mode "ON" (3) by pressing and holding the user interface (UI) set button (4).

The i3s indicator (5) on the speedometer console will start to glow.



(1) UI Mode button **(2) i3s mode**
(3) i3s ON/OFF **(4) UI Set button**
(5) i3s indicator

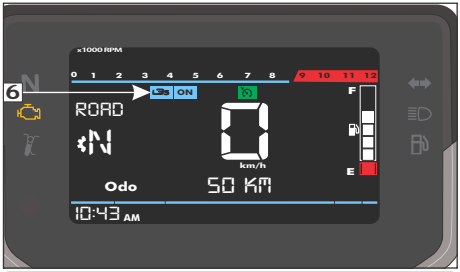
Initial activation of i3s:

Start the vehicle (in neutral and clutch lever released condition) and let it idle till engine gets warmed up.

When the engine reaches its optimal operating temperature, the i3s indicator will show "i3s ON" indicator (6). It shows that i3s is now activated.

The engine will cut-off in 30 seconds. After the first stop start, every subsequent stop will be in 5 seconds.

In this condition, the engine can be restarted either with clutch lever, kick or electric start.



(6) i3s ON indicator

Driving with i3s ON:

While driving, if the engine is kept idling (while waiting in a traffic signal), the engine will cuts-off in 5 seconds. (The vehicle should be in stand still condition, with neutral gear position at less than 2000 r/min with clutch lever/throttle is in released position and engine is warmed up).

The i3s ON indicator will be continuously blinking in the meter console indicating that vehicle stopped in i3s condition. By pressing the clutch lever, the engine will start again and gear can be engaged to move the vehicle.

NOTE

- ***If vehicle stops in i3s condition and kept idle for more than 500 secs (ignition switch is "ON" position) i3s function will be deactivated and cannot be started by pressing the clutch lever, rider can only start the vehicle with electric or kick start.***
- ***If engine is stopped by any means other than i3s function, i3s indicator will not glow/blink in the speedometer. In this condition, vehicle will not start by pressing the clutch lever. Vehicle can be started by using kick or electric start.***
- ***If all the required i3s conditions are met, i3s indicator will glow for 5 secs before the engine cuts-off.***

Driving with i3s OFF:

While driving in a traffic jam/or very dense traffic where the vehicle has to encounter a stop and go situation, the i3s can be changed to OFF by pressing and holding the user interface (UI) mode button (2). Once this is done, the i3s system will not work and the vehicle will be in normal operating conditions as other vehicles and no special functions will be performed.

NOTE

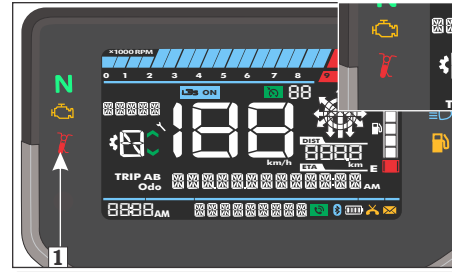
- ***The i3s system will not function if rider puts the i3s switch to"OFF" position.***
- ***If the battery voltage is low and engine r/min is less than 2000, there will be 3 continuous blinks after every 6 secs.***

NOTE

- ***If the low battery voltage is detected while the ignition key is in "ON" position or engine is in running condition, the i3s function will be deactivated or may not function properly until the rider turns the ignition switch to "OFF" (⊗) position and then back to "ON" (○) position.***
- ***If the vehicle is driven without battery or with the dead battery and the engine r/min is less than 2000. The i3s indicator on the speedometer will blink continuously at every 1.5 secs.***
- ***If the vehicle has fallen down, i3s function may not work properly. Before restarting the engine you must turn the ignition switch to "OFF" (⊗) position and then back to "ON" (○) position.***
- ***If the battery is in healthy condition and the i3s system does not work properly, it is recommended to visit your Authorised Distributor/Dealer..***
- ***i3s system will not function properly if the vehicle battery is low/dead or driven without battery.***
- ***If vehicle diagnoses with any problem in electronic control unit (ECU) the i3s function will not work.***

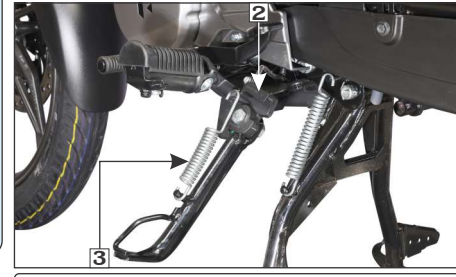
SIDE STAND INDICATOR/SWITCH

For the safety of the customer a side stand indicator (1) is provided.



(1) Side stand indicator

A side stand switch (2) is provided in the side stand, when the side stand is down (ignition switch "ON" (○)), the switch enables the side stand indicator lamp to glow on the speedometer panel.



(2) Side stand switch (3) Side stand spring

- Check the side stand for proper function and the spring (3) for damage or loss of tension and the side stand assembly for free movement.

- Check whether the side stand indicator (1) glows when the side stand is down.
- While the vehicle is removed from side stand, the side stand indicator (1) should not glow.
- If the side stand indicator (1) does not operate as described in above steps, please visit your Authorised Distributor/Dealer.

CAUTION

Ensure that adequate care is taken while cleaning the side stand switch.

Your vehicle is equipped with "Side stand engine kill" feature for safety purpose.

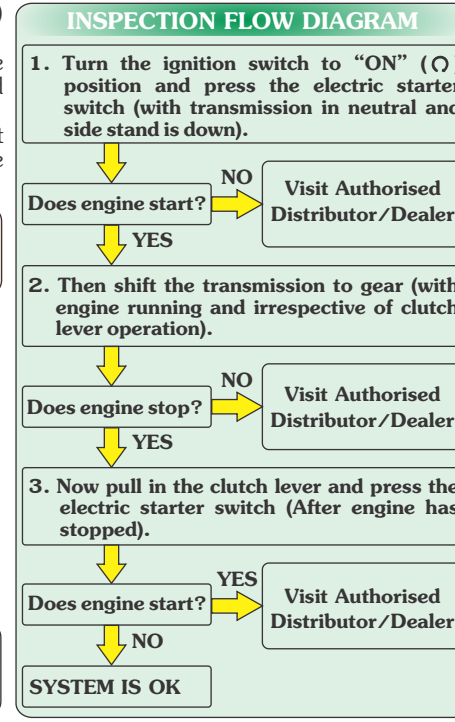
This feature has following functions:

- It prevents starting the engine when transmission is in gear (irrespective of clutch lever operation) and side stand is down.
- It stops the running engine when transmission is in gear (irrespective of clutch lever operation) and side stand is moved down.

WARNING

"Side stand engine kill" system is not affected by clutch lever operation.

To inspect the functionality of this feature, park the vehicle on its main stand and check all the conditions described in the inspection flow diagram:



If your vehicle doesn't operate as described in above flow diagram, please visit your Authorised Distributor/Dealer.

⚠ WARNING

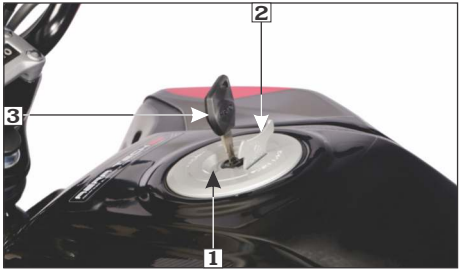
Regularly inspect the functionality of "Side stand engine kill" feature and in case of any malfunction visit Authorised Distributor/Dealer.

FUEL

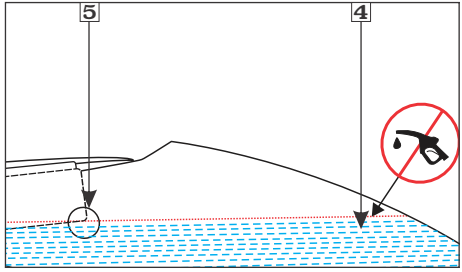
(a) Fuel tank

Fuel tank capacity is 10 litres (Be sure to fill the fuel tank when low fuel indicator glows).

- To remove the fuel tank cap (1), lift the key hole cover (2) and insert the ignition key (3) turn it clockwise and remove the cap.



(1) Fuel tank cap **(2) Key hole cover**
(3) Ignition key



(4) Fuel **(5) Filler neck**

- Do not overfill the tank. There should be no fuel (4) in the filler neck (5).
- For locking, position the cap with "▲" mark facing towards the front, back on the opening and press gently. The key springs back to the normal position and the cap gets locked.

! CAUTION

Do not park the vehicle under direct sunlight as it causes evaporation of petrol due to heat and deterioration of paint gloss due to ultraviolet rays.

⚠ WARNING

Petrol is extremely flammable and is explosive under certain conditions. Refill in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the vehicle is refilled or where petrol is stored.

(b) Petrol containing alcohol

Fuel available at your location may contain ethanol. Ethanol is a form of alcohol and is generally mixed with petrol to reduce emissions.

CAUTION

Please ensure the vehicle is not used with low fuel indicator glowing continuously. It will not only result in the vehicle running out of fuel, it may also cause serious damage to the fuel pump. Please ensure fuel is filled up as soon as the low fuel indicator starts glowing.

WARNING

- ***Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.***
- ***Stop the engine and keep heat, sparks and flame away.***
- ***Refuel only outdoors.***
- ***Wipe off spills immediately.***

SEAT LOCK

Location : On the rear left side of the seat, below the rear cowl.



(1) Ignition key

Operation : To unlock the seat, insert the ignition key (1) and turn it clockwise direction. To install, engage the hook on the underside of the seat with the frame and push on the top rear side of the seat until the lock clicks.

USB CHARGER

A USB charger (1) with a cap (2) located on the left side of the inner panel (3) near meter console to charge your mobile phone safely while riding.



(1) USB charger **(2) Cap**
(3) Inner panel

Use of non-standard USB cable may cause damage to the mobile phones.

To connect a mobile phone to the charger, first open the cap from the USB charger and then plug the charger cable into it. Hero MotoCorp will not be responsible for damages caused due to use of non-standard USB cable.

! CAUTION

- ***Always place the device in a soft clean cloth/towel to avoid any damage due to road shocks while riding.***
- ***Multiple charging of USB devices have to be avoided, simultaneous charging may lead to slow or no charging.***
- ***USB port is for charging compatible USB devices.***
- ***Do not leave the USB device and USB cable in the fuel tank cover when the vehicle is parked.***
- ***Charge your device when the engine is operational/while riding.***
- ***USB charger will not be covered under warranty in case of USB charger cap damage.***

NOTE

- ***Do not apply any soap solution, oil or grease inside the USB charger.***
- ***Any personal belongings have to be removed before water washing to avoid damage.***
- ***Always keep the USB port cap closed after use to prevent dust or water entry during rains/water wash.***
- ***Do not direct water jet towards the port even with cap closed to avoid any short circuit. Always dry the area using a dry cloth or moisture free compressed air before use.***
- ***Press the cap slightly for proper locking of USB charger cap.***
- ***The charging time of mobile may vary, depending on the mobile's battery state of the charge, mobile make and conditions.***

PRE-RIDE INSPECTION

You should conduct pre-ride inspection before riding the vehicle to enhance riding comfort and safety. Clean your vehicle regularly. It protects the surface finish. Avoid cleaning with products that are not specifically designed for vehicle surfaces. Inspect your vehicle every day before you start the engine.

The items listed here will only take a few minutes, and in the long run they can save time, expense and possibly your life. Please follow the tips as given below:

- **Engine oil level-** Check and top up engine oil if required **(page 61)**. Check for leaks.
- **Malfunction indicator lamp (MIL)-** When the ignition switch is turned "ON" the malfunction indicator lamp (MIL) glows continuously and then should go "OFF" once the engine is started.
- **Fuel level-**Ensure sufficient fuel is available in your fuel tank for your journey **(page 23)**. Check for leaks.
- **Low fuel indicator-**Vehicle should not be operated with low fuel indicator glowin gcontinuously **(page 26)**.
- **Front brake (Disc variant)-** Check for correct brake fluid level in the master cylinder **(page 69).**
- **Front and Integrated brakes (Drum variant)-** Check operation. Adjust free play if necessary **(page70).**
- **Rear brake-** Check operation. Adjust free play if necessary **(page 72)**.
- **Tyres-** Check condition and pressure **(page 77).**
- **Clutch-** Check for smooth operation. Adjust free play if necessary **(page 65)**.
- **Drive chain-** Check condition and slackness **(page 66).** Adjust and lubricate if necessary.
- **Lamps and Horn-** Check that headlamp, position lamp, tail/stop lamp, turn signal lamps and horn function properly.
- **Rear view mirror-** Ensure that the rear view mirror gives a good rear view when you are sitting on the vehicle.
- **i3s mode-** Make sure whether the i3s mode is in "ON" or "OFF" **(page 42).**
- **i3s system-** Make sure that i3s system is functional properly **(page 42).**

- **Integrated start-kill switch-** Check for proper functionality **(page 39)**.
- **Fitting & Fasteners-** Check & tighten if necessary.
- **Steering-** Check for smooth action for easy maneuverability.
- **Side stand-** Check for proper functionality **(page 44).**

STARTING THE ENGINE

Always follow the proper starting procedure described below :

- To protect the catalytic converter in your vehicle's exhaust system, avoid extended idling and the use of leaded petrol.
- Your vehicle's exhaust contains poisonous carbon monoxide gas. High levels of carbon monoxide can collect rapidly in enclosed areas such as garage. Do not run the engine with the garage door closed.

CAUTION

- ***Never hold electric starter (ⓘ) of integrated start-kill switch continuously more than 5 seconds as continuous cranking of engine will discharge the battery.***
- ***This vehicle is equipped with a side stand engine kill feature (page 45).***

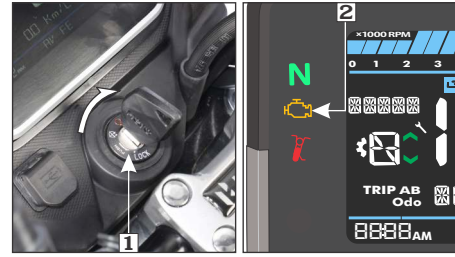
Preparation

Before starting insert the key and follow the below mentioned procedure :

- Turn the ignition switch (1) "ON" (ⓘ).
- Confirm that the malfunction indicator lamp (MIL) (2) glows continuously and then goes "OFF" once the engine is started.

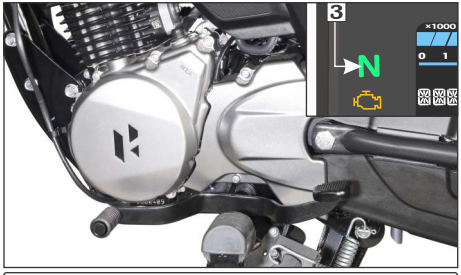
NOTE

If MIL remains "ON" even if the vehicle is started, there is an abnormality in the vehicle. It is recommended to reduce the speed and drive to the Authorised Authorised Distributor/Dealer for check-up.



(1) Ignition switch
(2) Malfunction indicator lamp (MIL)

- Find neutral position & check neutral Ⓝ indicator (3) on instrument console with ignition "ON".



(3) Neutral indicator

- Make sure that the integrated start-kill switch (4) is at "ON" (⏻) position.



(4) Integrated start-kill switch
(5) i3s switch

- Make sure whether the i3s is "ON" or "OFF".

- **Electric start :** Press the electric starter (⏻) of integrated start-kill switch with fully closed throttle.
- **Kick start :** Depress the kick starter until resistance is felt. Then let the kick starter return to the top of its stroke. Kick from the top of the stroke through to the bottom with a rapid, continuous motion.

Starting procedure

Press the electric starter (⏻) of integrated start-kill switch with the throttle completely closed.

Flooded engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel.

- If the engine does not start wait for 15-20 seconds, and try restarting the engine with throttle completely closed.
- If the engine starts with unstable idle, open the throttle slightly.

Ignition cut off

Your vehicle is designed to automatically stop the engine & fuel pump, if vehicle falls down.

(Bank angle sensor cuts off the ignition).

NOTE

If the vehicle has fallen down, before restarting the engine you must turn the ignition switch to "OFF" (⊗) position and then back to "ON" (○) position.

Running in

Help assure your vehicle's future reliability and performance by paying extra attention to how you ride during the first 500 km.

During this period, avoid full-throttle starts and rapid acceleration.

NOTE

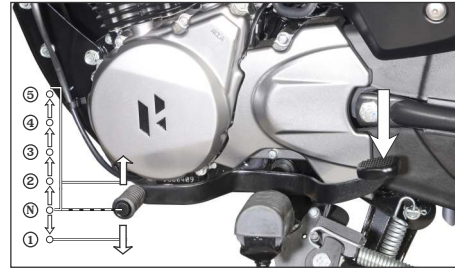
- ***To start the engine if any gear is engaged, press the clutch lever and press the starter switch.***
- ***Do not open the throttle while starting the vehicle.***

WARNING

Never run the engine in a enclosed area, the exhaust contains poisonous gases.

RIDING

- After the engine has been warmed up, the vehicle is ready for riding.
- While the engine is idling, press the clutch lever and lift the gearshift pedal from front to shift into 1st (low) gear.
- Slowly release the clutch lever and at the same time, gradually increase engine speed by opening the throttle. Coordination of the throttle and clutch lever will assure a smooth positive start.
- When the vehicle attains a moderate speed, close the throttle, press the clutch lever and shift to 2nd gear by depressing the gearshift pedal.
- The sequence is repeated progressively to shift 3rd, 4th and 5th (top gear).



Recommended max. operating speed in each gear.

1st : 0-15 km/hr
2nd : 10-25 km/hr
3rd : 20-40 km/hr
4th : 25-50 km/hr
5th : 40 km/hr and above

CAUTION

Do not shift gears without operation of clutch and without closing the throttle otherwise this would lead to damage of gears.

BRAKING

- For normal braking, close the throttle and gradually apply both front and rear brakes simultaneously while shifting down gears to suit your road speed.
- For maximum deceleration/quick stopping, close the throttle and apply the front and rear brakes simultaneously.

For integrated braking system (IBS)

To stop the vehicle, press the rear brake pedal for the application of front and rear brakes simultaneously. However, for more effective braking, it is advised to apply front and rear brake simultaneously, keeping the throttle in closed position.

WARNING

- ***When riding in wet or rainy conditions, or on loose surfaces, apply front brake carefully after applying rear brake to avoid wheel slip.***
- ***Extreme braking may cause wheel locking and reduce control over the vehicle.***
- ***Wherever possible, reduce speed or apply brake before entering a turn, closing the throttle or braking in mid turn may cause wheel slip. Wheel slip will reduce control over the vehicle.***

WARNING

- ***When riding in wet or rainy conditions, or on loose surfaces the ability to stop the vehicle reduces.***
- ***All your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of control. For your safety, exercise extreme caution when braking, accelerating or turning.***
- ***When descending a long steep slope use engine braking (power) by changing to lower gears, with intermittent use of both brakes. Continuous brake application can overheat the brakes and reduce their effectiveness.***

PARKING

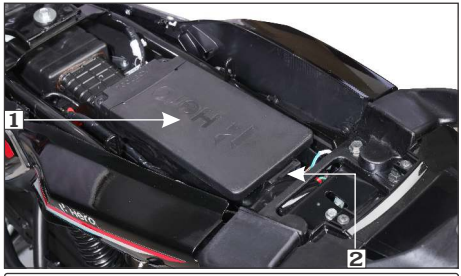
After stopping the vehicle, shift the transmission to neutral, turn the ignition switch "OFF" (⊠), park the vehicle on main stand, lock the steering and remove the key.

CAUTION

- ***Park the vehicle on firm level ground to prevent overturning.***
- ***While parking vehicle on side stand engage the first gear.***

TOOL KIT

The tool kit is located below the seat in the tool box compartment (1).
To open the compartment press the tab (2).



(1) Tool box **(2) Tab**

Tool kit

Some emergency repairs, minor adjustments and parts replacement can be performed with the tools contained in the kit.

Tool kit (3) contains one unit of each of the following tools:

- Tool bag
- +, – No. 2 Driver
- Grip
- Box wrench 16x14
- Pin spanner
- Fuse puller
- Allen key 4 mm
- Spanner 12–14 mm

CLEANING AND WASHING OF VEHICLE

Follow the below mentioned steps for washing the vehicle.

- Wet the vehicle with light water spray. Avoid directing water meter console, muffler outlets and electrical parts.
- Clean the headlamp lens and other plastic parts using a cloth or sponge dampened with a solution of mild detergent and water.
- Rub the soiled area gently rinsing it frequently with fresh water.
- After cleaning spray water thoroughly.
- Dry the vehicle by wiping with dry soft cloth.

NOTE

- ***Our authorised dealership take all above mentioned precautions like recommended detergents and usage of muffler caps/plugs during wash to ensure quality wash.***
- ***Do not use high pressure water (or air). It can damage certain parts of the vehicle.***

MAINTENANCE

Importance of maintenance

A well–maintained vehicle is essential for safe economical and trouble–free riding. It will also help reduce pollution.

To help you, take proper care of your vehicle, the following pages include a maintenance schedule and a maintenance record for regular scheduled maintenance.

These instructions are based on the assumption that the vehicle will be used exclusively for its designed purpose.

Sustained high speed operation or operation in unusually wet or dusty conditions will require more frequent service than specified in the maintenance schedule.

Consult your Authorised Hero MotoCorp Dealer for recommendation applicable to your individual needs and use.

If your vehicle overturns or is involved in a crash, be sure that you visit your Authorised Distributor/Dealer for detailed inspections.

⚠ WARNING

- ***Improperly maintaining this vehicle or failing to correct a problem before you ride can cause a crash in which you can be seriously hurt or killed.***
- ***Always follow the inspection and maintenance recommendations and schedules in this owner's manual.***

Maintenance safety

This section includes instructions on some important maintenance tasks. You can perform some of these tasks with the tools provided (if you have basic mechanical skills).

Other tasks that are more difficult and require special tools are best performed by professionals. It is recommended that wheel removal should normally be handled by a Authorised Distributor/Dealer.

You will come across some of the most important safety precautions in the following pages of this manual.

However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

⚠ WARNING

- ***Failure to follow maintenance instructions and precautions properly can seriously injure you.***
- ***Always follow the procedures and precautions in this owner's manual.***

SAFETY PRECAUTIONS

- Make sure the engine is "OFF" before you begin any maintenance or repair. This will help to eliminate several potential hazards:
  - **Carbon monoxide poisoning from engine exhaust.**
    Be sure there is adequate ventilation whenever you operate the engine.
  - **Burns from hot parts.**
    Let the engine and exhaust system cool before touching.
  - **Injury from moving parts.**
    Do not run the engine unless instructed to do so.
- Read the instruction before you begin and make sure you have the tools and skills required.
- To help prevent the vehicle from falling over, park it on a firm, level surface on the main stand.
- To reduce the possibility of a fire or explosion, be careful when working around petrol or batteries. Use only nonflammable solvent, not petrol, to clean parts. Keep cigarettes, sparks and flames away from the battery and all fuel-related parts.

Remember that your Authorised Hero MotoCorp workshop knows your vehicle best and is fully equipped to maintain and repair it.

To ensure best quality and reliability, it is recommended to use Hero MotoCorp genuine parts for repair and replacement.

MAINTENANCE SCHEDULE

Perform the pre-ride inspection **(page 49)** at each scheduled maintenance period.

I: INSPECT C: CLEAN R: REPLACE A: ADJUST (If necessary) L:LUBRICATE T: TOP UP E: EMISSION CHECK

The following maintenance schedule specifies all maintenance required to keep your vehicle in peak operating condition. Maintenance work should be performed in accordance with standards and specifications of Hero MotoCorp by properly trained and equipped technicians. Your Authorised Distributor/Dealer meets all of these requirements.

Ensure that each paid service is availed within 90 days or 3000 km from the date of previous service, whichever is earlier.

To be serviced by your Authorised Distributor/Dealer unless the owner has the relevant tools, technical information and is technically qualified.

In the interest of safety, we recommend that these jobs are carried out only by your Authorised Distributor/Dealer.

Note-1 : At higher odometer readings, repeat the frequency interval established here.

Note-2 : Replace air cleaner element once in every 15000 km or early replacement may be required when riding in dusty areas.

Note-3 : Replace engine oil once in every 6000 km. Top up once in every 3000 km.

Note-4 : Visit Authorised Distributor/Dealer for inspection, cleaning, lubrication and adjustment of drive chain at every 2000 km.

Note-5 : Replace brake fluid once in a every 2 years or 30000 km, whichever is earlier.

Note-6 : Inspect & maintain specified torque.

Note-7 : Inspect the bearings free play, replace if necessary.

Note-8 : Replace front fork oil once in a every 2 years or 30000 km, whichever is earlier.

Note-9 : Inspect for any play in the rear suspension mounting bushes, replace if necessary.

Note-10 : Check CO emission at idle.

Note-11 : Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages.

Note:

- Always wipe the water from the vehicle after washing. Use clean soft cloth or pressurized air for completely drying the water.
- Always replace gaskets, O-rings, circlips and cotter pins with new one once removed.

Replacement of parts (e.g filters, etc.) and consumables (e.g engine oil, etc.) during paid or free service are at customer's expenses.

MAINTENANCE SCHEDULE

Dear Customer,

We would strongly recommend the following schedule, to keep your vehicle in perfect running condition and healthy environment. Vehicle subjected to severe use or ridden in dusty area will require more frequent servicing.

	ITEMS	WHICHEVER COMES FIRST	#DURING FREE SERVICE PERIOD					AFTER FREE SERVICE ONCE IN EVERY				
		SERVICE	1st	2nd	3rd	4th	5th					
		DAYS	1st 60	Next 100	Next 100	Next 100	Next 100					
		KM Note-1	500-750	3000-3500	6000-6500	9000-9500	12000-12500	3000	6000	9000	12000	15000
	Fuel Line		I	I	I	I	I	I				
	Throttle Operation		I	I	I	I	I	I				
	Air Cleaner Element	Note-2	Do not open air cleaner element unless there is a drivability problem									R
	Spark Plug		I, C, A	I, C, A	I, C, A	I, C, A	R	I, C, A			R	
	Valve Clearance		I, A	I, A	I, A	I, A	I, A	I, A				
	Engine Oil	Note-3	R	I, T	R	I, T	R	I, T	R			
	Engine Oil Strainer Screen		C				C				C	
	Engine Oil Paper Filter		I		I		R		I		R	
	Electric Starter		I	I	I	I	I	I				
	Oil Circulation		I	I	I	I	I	I				
	Drive Chain	Note-4	I,C,L,A at every 2000 km					I,C,L,A at every 2000 km				
	Drive Chain Slider			I	I	I	I	I				
	Battery Voltage		I	I	I	I	I	I				
	Brake Shoe		I, A	I, A	I, A	I, A	I, A	I, A				

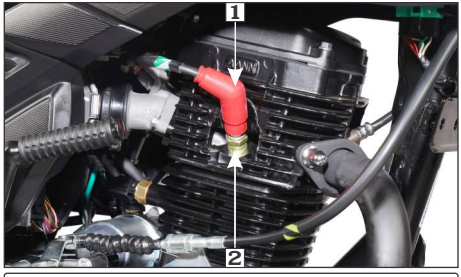
	ITEMS	WHICHEVER COMES FIRST	#DURING FREE SERVICE PERIOD					AFTER FREE SERVICE ONCE IN EVERY				
		SERVICE	1st	2nd	3rd	4th	5th					
		DAYS	1st 60	Next 100	Next 100	Next 100	Next 100					
		KM Note-1	500-750	3000-3500	6000-6500	9000-9500	12000-12500	3000	6000	9000	12000	15000
	Brake Pad (Disc variant)		I	I	I	I	I	I				
	Brake Fluid (Disc variant)	Note-5	I, T	I, T	I, T	I, T	I, T	I, T				
	Brake System (Brake Cam & Brake Pedal)			C, L		C, L			C, L			
	Stop Lamp Switch		I, A	I, A	I, A	I, A	I, A	I, A				
	Headlamp Focus		I, A	I, A	I, A	I, A	I, A	I, A				
	Clutch Lever Free Play		I, A	I, A	I, A	I, A	I, A	I, A				
	Side Stand Pivot Bolt Main Stand Pivot Rear Brake Pedal Pivot		C, L	C, L	C, L	C, L	C, L	C, L				
	Side Stand Switch		I, C	I, C	I, C	I, C	I, C	I, C				
	i3s System		I	I	I	I	I	I				
	Nut, Bolts & Fasteners	Note-6	I	I	I	I	I	I				
	Wheel Bearings	Note-7	I	I	I	I	I	I				
	Wheels/Tyres		I	I	I	I	I	I				
	Steering Head Bearing		I	I, A	I	I, A	I, L, A	I	I, A		I, L, A	
	Front Suspension/Oil	Note-8	I	I	I	I	I	I				
	Rear Suspension	Note-9	I	I	I	I	I	I				
	Muffler (Catalytic Converter)	Note-10			I, E		I, E		I, E			
	Evaporative Emission Control System	Note-11	I	I	I	I	I	I				
	IBS Cable		I, A	I, A	I, A	I, A	I, A	I, A				

SPARK PLUG INSPECTION

Recommended spark plugs:
P-RG6HCC (Federal Mogul)

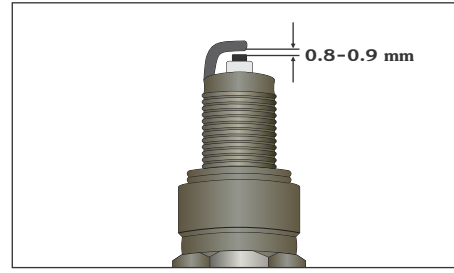
For most riding conditions this spark plug heat range number is satisfactory. However, if the vehicle is going to be operated for extended periods at high speeds or near maximum power in hot climates, the spark plug should be changed to a cold heat range number, consult Authorised Distributor/Dealer on this if required.

- Clean any dirt around the spark plug base.
- Disconnect the noise suppressor cap (1) and remove the spark plug (2) with the help of spark plug box wrench provided in the tool bag.



(1) Noise suppressor cap (2) Spark plug

- Visually inspect the spark plug electrodes for wear. The center electrode should have square edges and the side electrode should not be eroded. Discard the spark plug if there is apparent wear or if the insulator is cracked or chipped.



- Make sure that the spark plug gap is **0.8-0.9 mm** using a wire-type feeler gauge. If adjustment is necessary, bend the side electrode carefully. Make sure the plug washer is in good conditions.
- With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.
- Tighten a new spark plug 1/2 turn with spark plug wrench to compress the washer. If you are reusing a plug, it should only take 1/8-1/4 turn after the plug seats.

! CAUTION

- ***Do not remove the spark plug and test for spark on the vehicle by cranking the engine as this could lead to fire or explosion***
- ***Install a dummy spark plug in the cylinder head and test for spark.***
- ***Never use a spark plug with improper heat range.***
- ***Always use resistor type spark plug.***

ENGINE OIL

Use hero genuine engine oil or recommended grade oil.

BRAND: Hero 4T plus

GRADE: SAE 10W 30 SL Grade (JASO MA2).

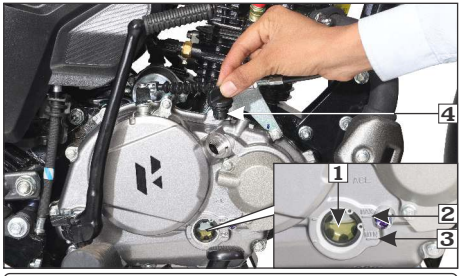
Manufactured by:

- Tide Water Oil Co. (India) Ltd.
- Savita Oil Technologies Limited.
- Bharat Petroleum Corporation Limited.

OIL CAPACITY: 1.2 litres (disassembly)
: 1.0 litre (at oil change)

Engine oil level inspection/Top up process

Check engine oil level each day before operating the vehicle. The oil level window (1) is on the right crankcase cover for measuring oil level. Oil level must be maintained between the MAX (2) and MIN (3) level marks.



(1) Oil level window (2) MAX level mark
(3) MIN level mark (4) Oil filler cap

Do top up if oil level reaches towards the MIN level mark.

- Park the vehicle on its main stand.
- Start the engine & let it idle for 3-5 minutes.
- Slightly loosen the engine oil check bolt (5) and check the engine oil entry into the cylinder head cover.



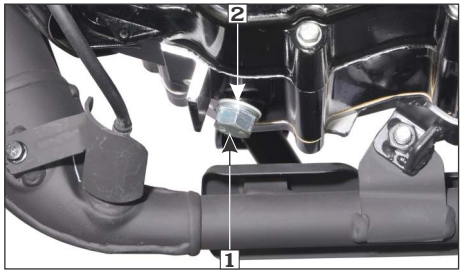
(5) Engine oil check bolt

- After checking the oil circulation, tighten the engine oil check bolt.
- Stop the engine and wait for 2-3 minutes.
- Check the oil level in the oil level window.
- If required, add the specified oil up to the MAX level mark. Do not overfill.
- Reinstall oil filler cap with new O-ring (6) and check for oil leaks.

- Check the oil level in the oil level window.
- If required, add the specified oil up to the MAX level mark. Do not overfill.
- Reinstall oil filler cap with new O-ring and check for oil leaks.

Engine oil replacement process / Oil circulation inspection

- Start the engine, warm it up for several minutes and then turn it off.
- Wait for a few minutes until the oil settles down.
- To drain the oil, remove the oil filler cap **(page 61)**, drain bolt (1) and sealing washer (2).
- After the oil has completely drained, reinstall the drain bolt with a new sealing washer.



(1) Drain bolt **(2) Sealing washer**

- Fill the crankcase through the oil filler hole with 1.0 litre (approximately) of the recommended grade oil as the right crankcase cover is not removed.
- Reinstall the oil level filler cap with a new O-ring.
- Start the engine and allow it to idle for few minutes.
- Stop the engine, let the engine oil settle down and recheck the oil level.
- Make sure that oil level is at the "MAX" level mark of the oil level window with the vehicle in an upright position and that there are no oil leaks.

! CAUTION

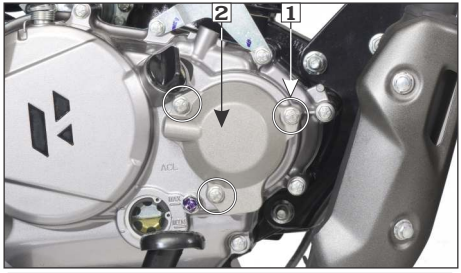
- ***Running the engine with insufficient oil can cause serious engine damage.***
- ***Running the engine with excessive oil can cause spark plug fouling & loss in performance.***
- ***Engine oil is a major factor affecting the engine performance and lifespan. Non-detergent, vegetable or castor based racing oils are not recommended.***

ENGINE OIL FILTER ELEMENT

NOTE

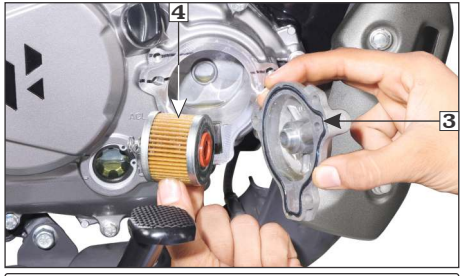
Drain the engine oil thoroughly (page 62) in case of engine oil filter element replacement.

- Remove the three mounting bolts (1).
- Remove the engine oil filter element cover (2) with O-ring (3).



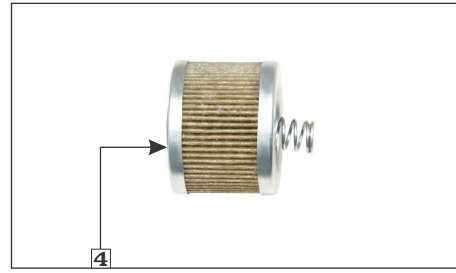
(1) Mounting bolts
(2) Engine oil filter element cover

- Remove the engine oil filter element (4) from the cover.



(3) O-ring **(4) Engine oil filter element**

- Replace the engine oil filter element (4).



(4) Engine oil filter element

NOTE

- ***When the engine oil filter element replaced always replace the O-ring with the new one.***
- ***Make sure that O-ring is properly seated.***
- ***Apply engine oil on engine oil filter element before installation.***
- ***Inspect and replace engine oil filter element as specified in the maintenance schedule.***

- Installation is in the reverse order of removal.

OIL FILTER SCREEN

Oil filter screen need to be cleaned periodically as per the maintenance schedule **(page 57)**. It is advised that you visit your Authorised Distributor/Dealer for this type of service.

! CAUTION

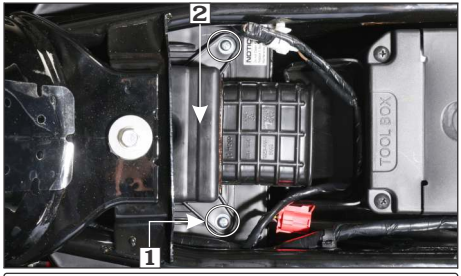
Must clean the strainer screen filter at 1st service and in every 12000 km.

AIR CLEANER

Air cleaner element inspection

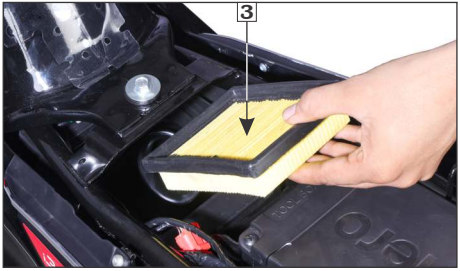
The air cleaner is viscous paper pleated type filter which has enhances filtering efficiency. The air cleaner should be replaced at regular intervals **(page 57).** When riding in dusty areas, more frequent replacement may be necessary.

- Remove the seat **(page 48).**
- Remove the air cleaner cover screws (1) and the cover (2).



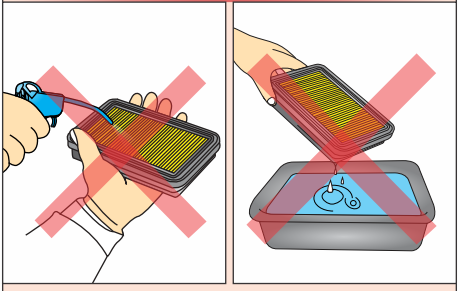
(1) Air cleaner cover screws **(2) Cover**

- Remove the air cleaner element (3).



(3) Air cleaner element

! CAUTION



- ***Never wash or clean the viscous filter. Replace filter element once in every 15000 km.***
- ***Replace it earlier if the air cleaner:***
  - ***Becomes very dirty.***
  - ***Gets damaged on the surface.***
  - ***Sealing area gets damaged.***

NOTE

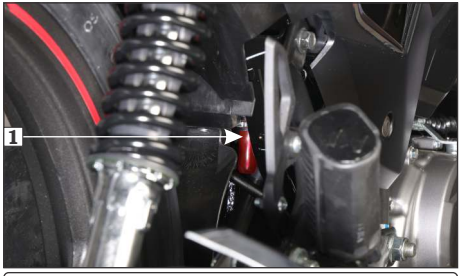
Align the tabs of air cleaner cover before installing screws & the cover.

- Clean the air cleaner housing using a shop towel.
- Install the new air cleaner element.
- Install the air cleaner element cover.
- Install the seat **(page 48)**.

Air cleaner drain tube plug cleaning

Remove the drain tube (1) and drain the deposit into a container.

Follow the above process more frequently when riding in rain or at full throttle.



(1) Drain tube

VALVE CLEARANCE ADJUSTMENT

Engine valve clearance changes with use, which may result in improper air–fuel mixture and/or engine noise. To prevent this, the valve clearance must be adjusted at Authorised Distributor/Dealer. at the intervals specified in the maintenance schedule **(page 57).**

NOTE

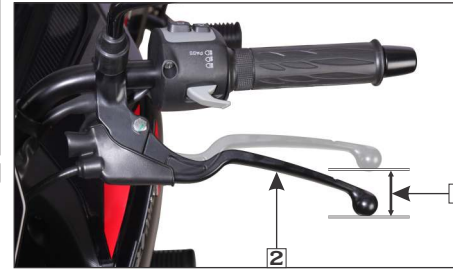
- ***The checking or adjusting of valve clearance should be performed while the engine is cold. The clearance will change as the engine temperature rises.***
- ***Customer can visit* Authorised Distributor/Dealer *in case tappet noise observed before 3000 km.***

CLUTCH LEVER FREE PLAY

Adjustment

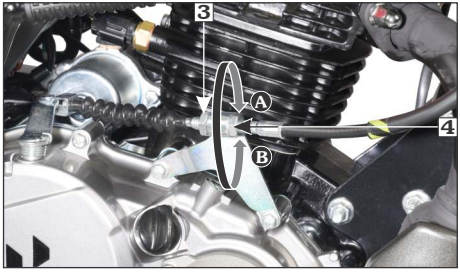
Clutch adjustment may be required if the vehicle stalls when shifting into gear or tends to creep or if the clutch slips, causing acceleration to lag behind engine speed.

Normal clutch lever free play (1) is 10–20 mm at the lever (2).



(1) Free play: 10–20 mm (2) Clutch lever

- To adjust the free play, loosen the lock nut (3). Turn the adjusting nut (4) to obtain the specified free play. Tighten the lock nut and check the adjustment.



(3) Lock nut (4) Clutch cable adjusting nut
(A) Decrease free play
(B) Increase free play

- Start the engine, press the clutch lever and shift into gear. Make sure the engine does not stall, and vehicle does not creep. Gradually release the clutch lever and open the throttle. The vehicle should start smoothly and accelerate.

Other checks

- Check the clutch cable for kinks or signs of wear that could cause sticking or failure.
- Check for clutch cable model. Use genuine clutch cables.
- Check for clutch cable routing.

NOTE

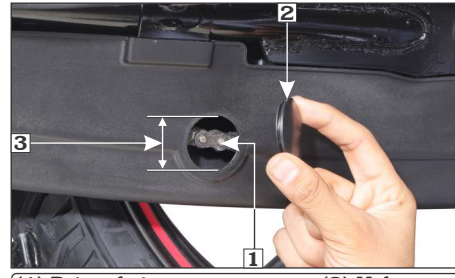
If proper adjustment cannot be obtained or the clutch does not work correctly, visit your Authorised Distributor/Dealer.

DRIVE CHAIN SLACKNESS

The service life of the drive chain depends upon proper lubrication and adjustment.

Poor maintenance can cause premature wear or damage to the drive chain and sprockets.

The drive chain (1) should be checked and lubricated as part of the pre-ride inspection **(page 49).** Under severe usage, or when the vehicle is ridden in unusually dusty areas. more frequent maintenance will be necessary.



(1) Drive chain (2) Hole cap
(3) Drive chain slack: 30 mm

Inspection

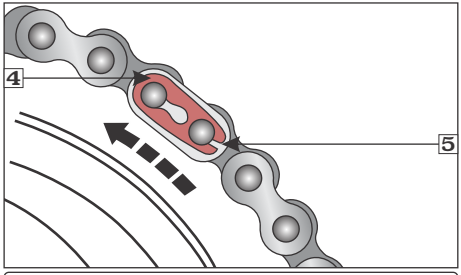
- Turn the engine "OFF", park the vehicle on its main stand and shift the transmission to neutral. Remove hole cap (2).

- Drive chain slack (3) should be adjusted to allow approximately 30 mm vertical movement by hand.

Rotate the wheel and check drive chain slack as the wheel rotates. Drive chain slack should remain constant as the wheel rotates.

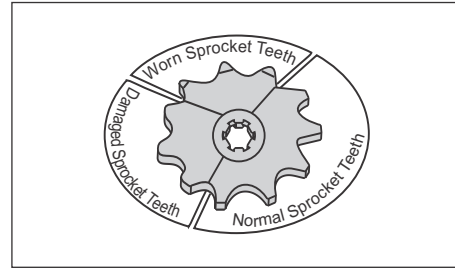
If the chain is slack in one section and tight in another, some links are kinked and binding. Binding can be eliminated by frequent lubrication.

- Turn the chain to view chain lock plate (4) inside the hole. Ensure that the chain lock plate open end (5) is installed in the opposite direction of the chain rotation.
- Inspect the sprocket teeth for wear or damage.



(4) Chain lock plate **(5) Open end**

- If the drive chain or sprockets are excessively worn or damaged, they should be replaced. Never use a new chain with worn out sprockets since this will result in rapid chain wear.



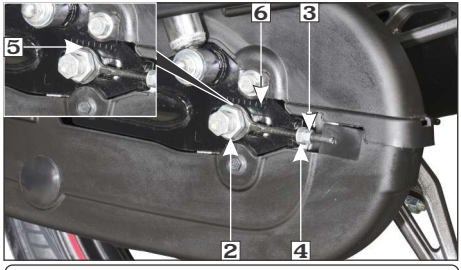
Adjustment

- Park the vehicle on its main stand with the transmission in neutral and the ignition switch in "OFF" (⊗) position.
- Loosen the rear axle nut (1) and sleeve nut (2). Loosen both the drive chain lock nuts (3).
- Turn both the adjusting nuts (4) in an equal number of turns until the correct drive chain slack is obtained. Turn the adjusting nut clockwise to decrease the slack or anticlockwise to increase the slack of the chain.



(1) Rear axle nut

- Align the chain adjuster index mark (5) with the corresponding scale graduations (6) on both the sides of the swing arm equally.



(2) Sleeve nut (3) Drive chain lock nut
(4) Drive chain adjusting nut (5) Index mark
(6) Scale graduation

- If the drive chain slack is excessive when the rear axle is moved to the farthest limit of adjustment, the drive chain is worn and must be replaced. Tighten the rear axle nut and sleeve nut.
  - **Rear axle nut torque: 5.2 kgf-m**
  - **Sleeve nut torque: 4.2 kgf-m**
- Check the drive chain slack again.
- Rear brake pedal free play and stop lamp switch free play are affected when repositioning the rear wheel to adjust drive chain slack. Check rear brake pedal free play and adjust as necessary **(page 72)**.

Lubrication

- Turn the engine "OFF", park the vehicle on its main stand and shift the transmission into neutral.
- Lubricate the drive chain by applying liberal amount of SAE#90 oil.

! CAUTION

Regular adjustment and lubrication as per the maintenance schedule would ensure high performance and longer life.

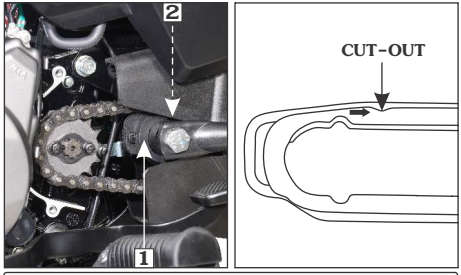
NOTE

Visit Authorised Distributor/Dealer. for inspection, cleaning, lubrication and adjustment of drive chain at every 2000 km.

DRIVE CHAIN SLIDER INSPECTION

(Refer to "Maintenance Schedule" on **(page 57)**.

Check the drive chain slider (1) for wear, the chain slider must be replaced if it is worn to the bottom of the cutout or wear limit (2) is reached. For replacement, visit your Authorised Distributor/Dealer.



(1) Drive chain slider **(2) Wear limit**

BRAKES

Brakes (Integrated braking system)

Brakes are items of personal safety and should always be maintained with proper adjustments. When one applies the Integrated/Rear brake pedal, front & rear brakes activate jointly.

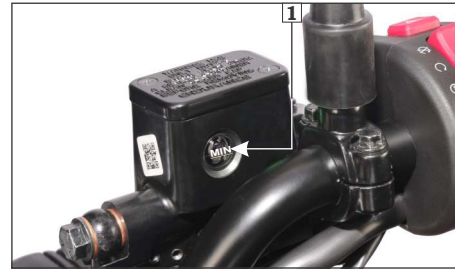
(a) Front brake inspection (Disc variant)

Master Cylinder/Reservoir.

Location: Right handlebar.

Brake fluid recommended: DoT 3 or DoT 4

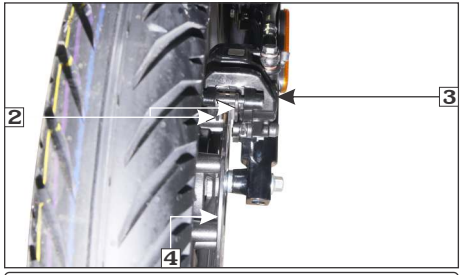
Fluid level–Ensure that the brake fluid level does not fall below "MIN" mark (1) on the master cylinder, when checked with the master cylinder parallel to the ground. The level decreases gradually due to piston movement to compensate pad wear. If the level decreases abruptly, check for leakage in the brake system and contact your Authorised Distributor/Dealer.



(1) "MIN" mark

NOTE

- ***Clean the dirt and mud accumulation between the brake pads (2), caliper (3) and the disc (4) using a water jet.***
- ***Always contact your Authorised Distributor/Dealer for refilling of master cylinder when necessary. Do not mix DoT 3 and DoT 4 brake fluid.***



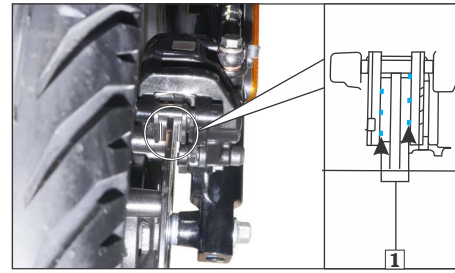
(2) Brake pads (3) Caliper (4) Disc

(b) Brake pad (Disc variant)

Brake pad wear depends upon the severity of usage, the type of riding & road conditions. Generally, the pads will wear faster on wet & dirty roads. Inspect the pads at each regular maintenance interval.

Inspection

- Check the wear indicator grooves (1) on each pad.
- Check the brake pads for wear by examining the wear limit grooves on each pad.
- Replace the pads if worn out to the bottom of the groove.
- Always replace both the pads as a set.
- Visit your Authorised Distributor/Dealer. for the brake pad replacement.



(1) Wear indicator groove

⚠ WARNING

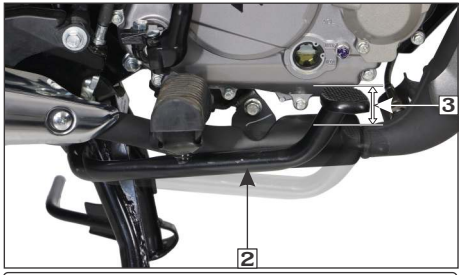
Always apply front and rear brakes simultaneously to avoid skidding of vehicle.

(c) Front brake inspection (Drum variant)

The distance, the front brake lever (1) and integrated brake pedal (2) moves before each brake starts to engage is called free play (3).



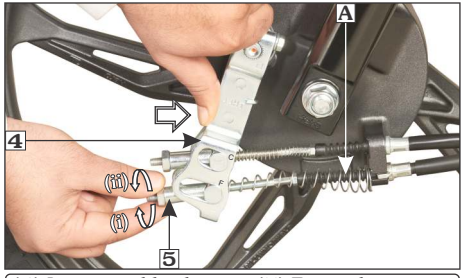
(1) Front brake lever
(3) Free play: 10-20 mm



(2) Integrated/Rear brake pedal
(3) Free play: 20-30 mm

Front brake cable (A) on "F" side
Adjustment

- Push the integrated brake arm (4) by hand in the direction as shown.
- Turn the first adjuster nut (5) till you cannot turn it by hand.



(4) Integrated brake arm (5) First adjuster nut
(i) Decrease free play (ii) Increase free play

- Check the free play of front brake lever.

FREE PLAY: 10-20 mm

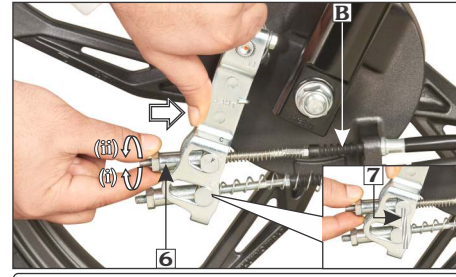
- If the free play is out specification turn the adjuster nut to obtain desired free play.

Integrated brake cable (B) on "C" side
Adjustment

- Push the integrated brake arm (4) by hand in the direction as shown.
- Turn the second adjuster nut (6) until a gap is created between joint (7) and the slot on the first side in integrated brake arm.
- After ensuring the gap, turn the second adjuster nut counterclockwise by half rotation.
- Check the free play of rear brake pedal.

FREE PLAY: 20-30 mm

- If the free play is out specification turn the adjuster nut to obtain desired free play.



(6) Second adjuster nut (7) Joint
(i) Decrease free play (ii) Increase free play

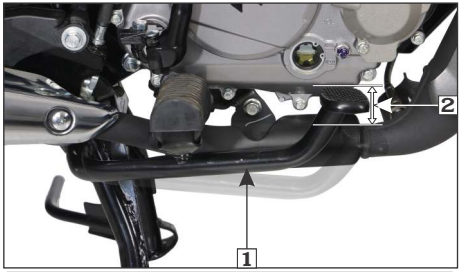
NOTE

"F" & "C" is marked on integrated brake arm.

(d) Rear brake inspection

Adjustment

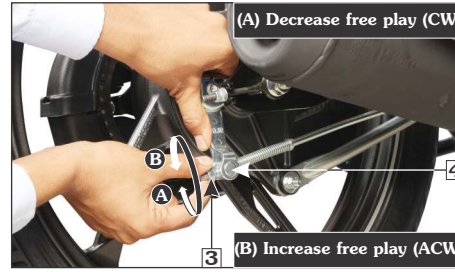
- Park the vehicle on its main stand.
- Measure the brake pedal (1) free play before the brake starts to take hold.
  Free play (2) should be 20-30 mm.



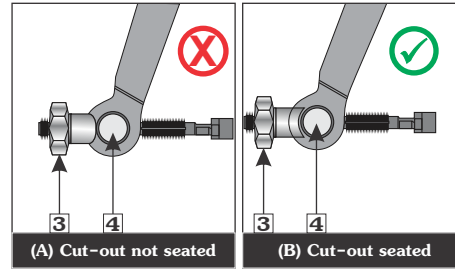
(1) Rear brake pedal
(2) Free play: 20-30 mm

- If adjustment is necessary, turn the rear brake adjusting nut (3).
- Make sure that the cut-out on the adjusting nut is seated on the brake joint pin (4) after the final adjustment has been made.
- Apply the brake several times and check for free wheel rotation when released.

CW- Clockwise, ACW- Anticlockwise



(3) Adjusting nut **(4) Brake joint pin**



(3) Adjusting nut **(4) Brake joint pin**

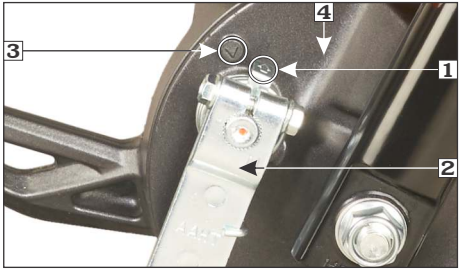
NOTE

If proper adjustment cannot be obtained by this method, visit your Authorised Distributor/Dealer.

(f) Brake wear indicators

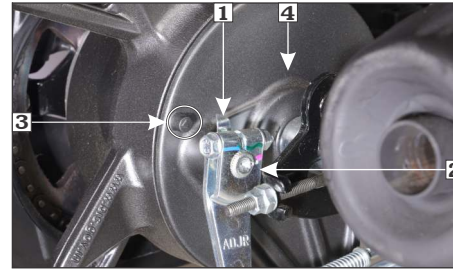
When the brake is applied, an arrow (1), fixed to the brake arm (2), moves towards a reference mark (3) on the brake panel (4). If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced.

Front brake wear indication (Drum variant)



(1) Arrow	**(2) Brake arm**
(3) Reference mark	**(4) Brake panel**

Rear brake wear indication



(1) Arrow	**(2) Brake arm**
(3) Reference mark	**(4) Brake panel**

SUSPENSION

Front and rear suspension inspection

- Check the front forks by locking the front brake and pumping the front fork up and down vigorously. The suspension action should be smooth and there should be no oil leakage.



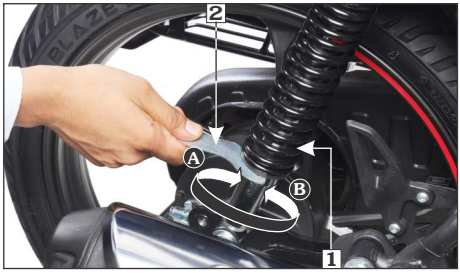
- Check the rear shock absorber by pushing hard downwards on rear grip while the vehicle is not parked on stand. The suspension action should be smooth and there should be no oil leakage.

Rear shock absorber adjustment

Rear shock absorber adjustment can be made in any position from 1st to 5th according to the load/road conditions or owner's requirement.

Recommend adjustment

- Solo rider: 2nd position
- Rider + Pillion: 5th position



(1) Rear shock absorber (2) Pin spanner
(A) Stiffer (B) Softer

- In direction A: Stiffer
- In direction B: Softer

NOTE

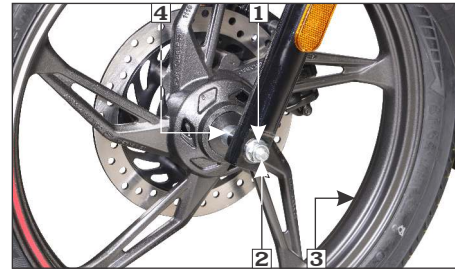
Always adjust both the rear shock absorbers to the same position. To adjust the rear shock absorber (1), use the rear shock absorber adjustment tool (Pin spanner) (2) available in the tool kit.

WHEEL

(a) Front wheel (Disc variant)

Removal

- Support the vehicle securely on the main stand and raise the front wheel off the ground.
- Remove the front axle nut (1).
- Remove the axle (2) and the wheel (3).
- Remove the left & right side collars (4) from the wheel.



(1) Axle nut (2) Axle (3) Wheel
(4) Left & right side collars

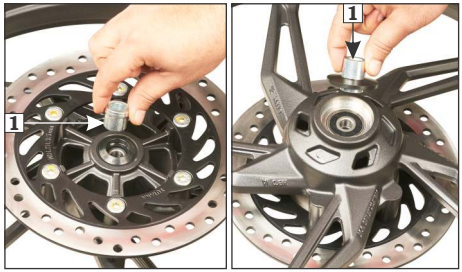
! CAUTION

Do not operate front brake lever when the wheel is removed.

Installation

- Install the left & right side collars (1) to both sides of the wheel hub.
- Position the front wheel between the fork legs and align the disc between the brake pads to avoid damage to the pads. Insert the axle from the right side through the fork legs and wheel hub.
- Tighten the front axle nut to the specified torque.

TORQUE : 5.2 kgf-m



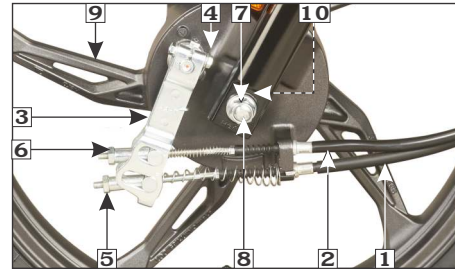
(1) Side collars

- After installing the wheel apply the brake several times and then check if the wheel rotates freely. Recheck the wheel if the brake drags or if the wheel does not rotate freely.

(b) Front wheel (Drum variant)

Removal

- Support the vehicle securely on the main stand and raise the front wheel off the ground.
- Disconnect the front brake cable (1) and integrated brake cable (2) from the integrated brake arm (3) and brake panel (4) by removing the front brake adjusting nut (5) and integrated brake adjusting nut (6).



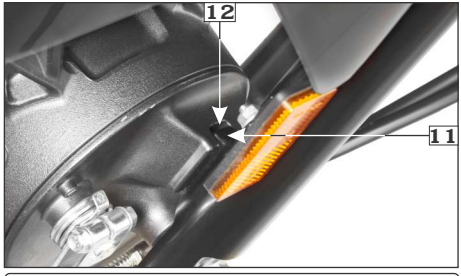
(1) Front brake cable (2) Integrated brake cable
(3) Brake arm (4) Brake panel
(5) Front brake adjusting nut
(6) Integrated brake adjusting nut (7) Axle nut
(8) Axle (9) Wheel (10) Side collar

- Remove the axle nut (7).
- Remove the axle (8) and wheel (9).
- Remove the side collar (10).

Installation

- Reverse the removal procedure.
- Install the front wheel by ensuring that the lug (11) on the left fork is located in the slot (12) in the brake panel.
- Tighten the axle nut.

  Axle nut torque: 5.2 kgf-m
- Adjust the front brake free play and integrated brake free play **(page 70)**.
- After installing wheel, apply the brake several times and check for free wheel rotation when released.



(11) Lug **(12) Slot**

(c) Rear wheel

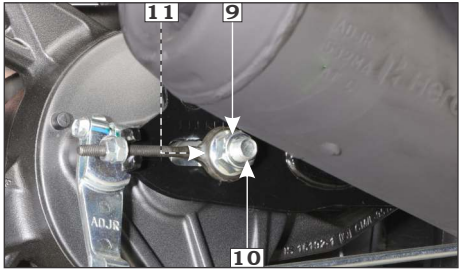
Removal

- Support the vehicle securely on the main stand and raise the rear wheel off the ground.
- Remove the rear hugger fender.
- Remove the rear brake adjusting nut (1) and disconnect the brake rod (2) from the brake arm (3) by pushing down the brake pedal. Disconnect the brake stopper arm (4) from the brake panel (5) by removing split pin (6), lock nut (7) and washer (8).



(1) Rear brake adjusting nut **(2) Brake rod**
(3) Brake arm **(4) Brake stopper arm**
(5) Brake panel **(6) Split pin** **(7) Lock nut**
(8) Washer

- Remove the rear axle nut (9).
- Pull out the axle (10) and collar (11).
- Remove the wheel.



(9) Axle nut (10) Axle (11) Collar

Installation

- Reverse the removal procedure.

  Axle nut torque: 5.2 kgf-m

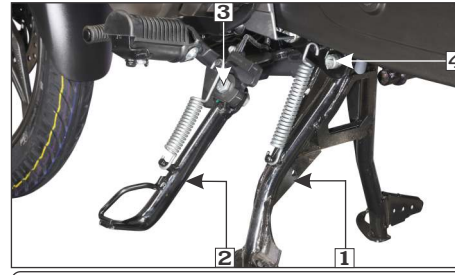
  Brake stopper arm nut torque: 2.2 kgf-m
- Adjust the rear brake free play **(page 72)** and drive chain slackness **(page 66)**.
- After installing the wheel, apply the brake several times and check for free wheel rotation when released.

! CAUTION

Always replace used split pins with new ones.

MAIN/SIDE STAND LUBRICATION

- Park the vehicle on a level surface.
- Check the main/side stand return spring for damage or loss of tension.
- Check the main stand (1)/side stand (2) for freedom of movement.
- Clean and lubricate the side stand pivot bolt (3) and rear brake pedal/main stand pivot (4).
- Make sure the side/main stand is not bent.



(1) Main stand (2) Side stand
(3) Side stand pivot bolt
(4) Rear brake pedal/Main stand pivot

TUBELESS TYRES

The tyres fitted on your vehicle are of TUBELESS type.

To safely operate your vehicle, your tyres must be of the proper type and size, in good condition with adequate tread, and correctly inflated for the load you are carrying.

The following pages give more detailed information on how and when to check the air pressure, how to inspect your tyres for damage, and what to do when your tyres need to be repaired or replaced.

Front	80/100-18 47P (Tubeless tyre)
Rear	100/80-18 53P (Tubeless tyre)

⚠ WARNING

- ***Using tyres that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed.***
- ***Follow all instructions in this owner's manual regarding tyres inflation and maintenance.***

Air pressure

Keeping your tyres properly inflated provides the best combination of handling, tread life and riding comfort.

Generally, under-inflated tyres wear unevenly, adversely affect handling and are more likely to fail from being overheated.

Under inflated tyres can also cause wheel damage in rocky terrain.

Over-inflated tyres make your vehicle ride harshly, are more prone to damage from road hazards, and wear unevenly.

We recommend that you visually check your tyres before every ride and use an air pressure gauge (1) to measure air pressure at least once a month or any time you think the tyres pressure might be low. Tubeless tyres have some self-sealing ability if they are punctured. However, because leakage is often very slow, you should look closely for punctures whenever a tyre is not fully inflated.



(1) Air pressure gauge

Always check air pressure when your tyres are "cold"-when the vehicle has been parked for at least three hours. If you check air pressure when your tyres are "warm"-when the vehicle has been ridden for even a few km-the readings will be higher than if the tyres were "cold". This is normal, so do not let air out of the tyres to match the recommended cold air pressures given below. If you do, the tyres will be under-inflated.

The recommended "cold" tyre pressures are:

	Rider only	Rider and Pillion
Front	1.75 kgf/cm^2 (25 psi)	1.75 kgf/cm^2 (25 psi)
Rear	1.96 kgf/cm^2 (28 psi)	2.30 kgf/cm^2 (33 psi)

! CAUTION

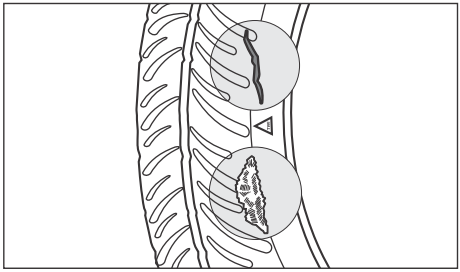
Over inflation/Under inflation will affect the performance.

Inspection

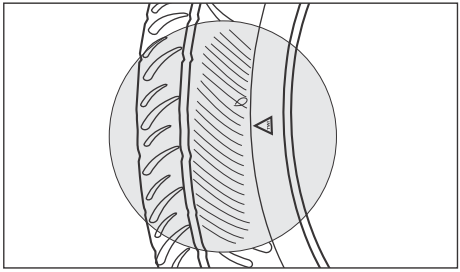
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects.

Look for:

- Bumps or bulges in the side of the tyre or the tread. Replace the tyre if you find any bumps or bulges.
- Cuts, splits or cracks in the tyre. Replace the tyre if you can see fabric or cord.



- Excessive tread wear.
- Carefully inspect the tyres for any damage, if the vehicle hits a pothole or hard object.



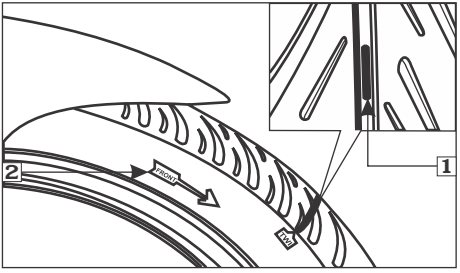
Tread wear

Replace tyres immediately when the tread wear indicator (1) appears on the tyre. The tread limits are:

MINIMUM TREAD DEPTH:

Front: 1.0 mm **Rear:** 1.0 mm

Check the tread wear indicator for tyre wear.



(1) Tread wear indicator (2) Arrow mark

Unidirectional tyres

Whenever the tyre is removed and installed in case of puncture, ensure the arrow mark (2) on the tyre is in the same direction as that of forward rotation of wheel.

Tyre repair

Repairing a puncture or removing a wheel requires special tools and technical expertise. If a tyre is punctured or damaged, it is advised to visit nearest tyre manufacture, Authorised Distributor/Dealer or the tyre repair shop who has expertise in repairing methods of tubeless tyre.

A tyre that is repaired either temporarily or permanently, will have lower speed and performance limits than a new tyre. After an emergency repair, always have the tyre inspected/replaced at our authorised dealer and replace the tyre if suggested.

You should not exceed 70 km/hour for the 1st 24 hours or 105 km/hour at any time thereafter. In addition, you may not be able to safely carry as much load as with a new tyre.

If you decide to have a tyre replace be sure the wheel is balanced before you ride.

Tyre replacement

The tyres that were installed on your vehicle were designed to match the performance capabilities of your vehicle and provide the best combination of handling, braking, durability and comfort.

⚠ WARNING

- ***Operation with excessively worn tyres is hazardous and will adversely affect traction and handling.***
- ***Under-inflation may result in the tyre slipping on or tyre coming off the rim.***
- ***Always use the size and type of tyres recommended in this owner's manual.***

NOTE

For repair and replacement of tyre it is advised to visit your Authorised Distributor/Dealer.

Important safety reminders

- Do not install a tube inside a tubeless tyre on this vehicle. Excessive heat buildup can cause the tube to burst.
- Use only tubeless tyres on this vehicle. The rims are designed for tubeless tyres, and during hard acceleration or braking, a tube-type tyre could slip on the rim and cause the tyre to rapidly deflate.

NUTS, BOLTS & FASTENERS

- Tighten bolts and nuts at regular interval shown in the maintenance schedule.
- Check that all chassis nuts and bolts are tightened to correct torque values.
- Check that all cotter pins, safety clips, hose clamps and cable stays are in place.



BATTERY

Refer to the safety precautions on **(page 56).**

Location

The battery is located behind the left side cover.

Specification

***MF Battery, 12V-4Ah/ETZ5**

It is not necessary to check the battery electrolyte level or add distilled water as the battery is a **Maintenance Free (sealed)** type.

***MF stands for Maintenance Free**

If your battery seems weak and electrolyte is leaking (causing hard starting or other electrical troubles), contact your Authorised Distributor/Dealer.

NOTE



This symbol on the battery means that this product must not be treated as household waste.



This symbol on the battery means the old battery must be returned to your Authorised Distributor/Dealer as it must be treated as recyclable material.

- ***Battery is a Maintenance-Free (sealed) type and can be permanently damaged if the sealing strip is removed.***
- ***An improperly disposed battery can be harmful to the environment and human health. Always confirm local regulations for battery disposal.***

Battery charging

Always visit your Authorised Distributor/Dealer if you see any symptom of battery discharge as earliest as possible to get the battery charged. The battery has a tendency to discharge rapidly if optional electrical accessories are fitted on the vehicle.

Battery storage

- If in case your vehicle is not used for more than a month remove the battery, fully charge and store in a cool and dry place.
- If the battery is expected to be stored for more then two months, ensure to fully charge the battery once a month.
- Always ensure the battery is fully charged before installation.
- Ensure the battery leads are properly connected to the battery terminals during installation.

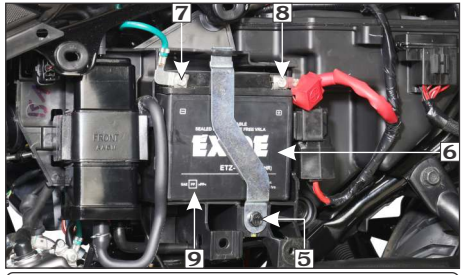
Battery removal

- Make sure the ignition switch is "OFF" (⊗).
- Remove the seat **(pages 48)**.
- Remove the left side cover one screw (1), two allen screws (2) and remove the side cover (3) by releasing the lugs from the grommets (4).



(1) Left side cover screws (2) Allen screws
(2) Side cover (3) Lugs/grommets

- Remove the battery clamp bolt (5) and the battery clamp (6).
- Disconnect the negative (–)ve terminal lead (7) from the battery first, then disconnect the positive (+)ve terminal lead (8).
- Pullout the battery (9) from the battery box.



(5) Battery clamp bolt (6) Battery clamp
(7) (–)ve terminal (8) (+)ve terminal
(9) Battery

Battery installation

- Reinstall in the reverse order of removal. Be sure to connect the positive (+)ve terminal first, then the negative (–)ve terminal.
- Check all fasteners are secured properly.

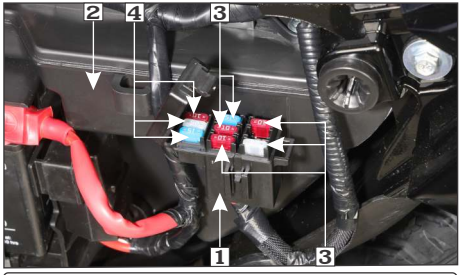
FUSE REPLACEMENT

Fuse box (1)**:** Location: Mounted on the air cleaner assembly (2) left hand side.

Fuse type: Blade fuse

Circuit fuse (3) : 25A, 15A, 10A, 10A & 10A

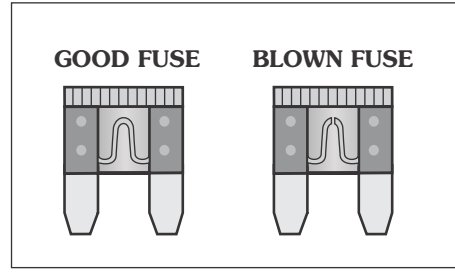
Spare fuse (4) : 25A, 15A, 10A



(1) Fuse box (2) Air cleaner assembly
(3) Circuit fuse: 25A, 15A, 10A, 10A & 10A
(4) Spare fuse: 25A, 15A & 10A

⚠ WARNING

Never use a fuse with a different rating from that specified. It may lead to serious damage to the electrical system or a fire due to short circuit.



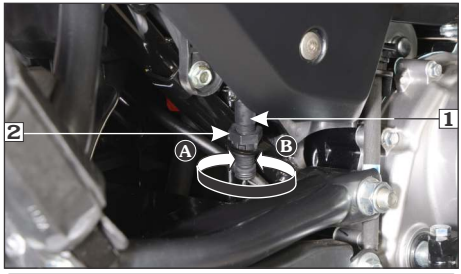
! CAUTION

- ***Do not attempt to start or ride the vehicle without a charged battery, it can cause fusing of the bulbs and permanent damage to certain electrical components.***
- ***Turn the ignition switch "OFF" before checking or replacing the fuse to prevent accidental short-circuiting.***

STOP LAMP SWITCH

The stop lamp switch (1) must be adjusted so that stop lamp will glow when rear brake is applied. Rear brake free play **(page 72)** should be adjusted before performing stop lamp switch adjustment. The procedure for adjusting stop lamp switch is as follows:

- Turn the ignition switch to the "ON" (Ω) position.



(1) Stop lamp switch (2) Adjusting nut
(A) Advance (B) Retard

- Turn the adjusting nut (2) to position stop lamp switch at a point where the stop lamp will glow just before the brake pedal is depressed to the limit of its free play. Turn the adjusting nut in direction (A) to advance switch timing or in direction (B) to retard switch timing.

NOTE

Rear brake free play should be within specification after stop lamp adjustment. Incorrect free play can impact the cruise functionality.

HEADLAMP FOCUS ADJUSTMENT

Headlamp is factory preset. However in case of adjustment required, please follow the steps as given below:

- Headlamp adjustment is done by the headlamp adjusting bolt (1) located below headlamp.
- Park the vehicle on level ground.
- Turn the ignition switch to "ON" (Ω) position and start the engine.
- Adjust the headlamp beam vertically by loosening the bolt & move the headlamp unit forward & backward for correct focus adjustment.



(1) Headlamp adjusting bolt

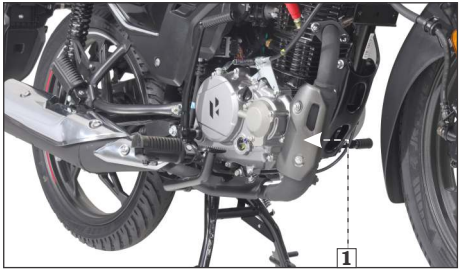
WARNING

An improperly adjust headlamp may blind oncoming rider/driver or it may fail to light the road for a safe distance.

CATALYTIC CONVERTER

This vehicle is equipped with the catalytic converter (1) in the muffler to meet the emission norms.

The catalytic converter contains precious metals that serve as catalysts, promoting chemical reactions to convert the exhaust gases without affecting the metals. The catalytic converter acts on HC, CO and NOx.



(1) Catalytic converter

The catalytic converter must operate at a high temperature for the chemical reactions to take place. It can set on fire any combustible material that comes near it. Park your vehicle away from high grasses, dry leaves, or other flammable material.

A defective catalytic converter contributes to air pollution and can impair your engine's performance.

Follow these guidelines to protect your vehicle's catalytic converter.

- Always use unleaded petrol. Even a small amount of leaded petrol can contaminate the catalyst metals, making the catalytic converter ineffective.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converter to overheat.
- If your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop riding and turn "OFF" the engine. Have your vehicle serviced as soon as possible.

EVAPORATIVE EMISSION CONTROL SYSTEM

This vehicle is equipped with an evaporative emission control system to meet emission standards. During warm weather, the petrol vapours which contain HC evaporates easily into the atmosphere from the fuel tank, if the fuel system is unsealed or open. The evaporative emission control system is used to prevent petrol vapours from escaping into the atmosphere from fuel tank.



(1) Canister

- The canister (1) collects the fuel vapour from the fuel tank, which gets drawn into the engine for combustion. This prevents pollution that would otherwise have been caused by diffusion of fuel vapour directly into the atmosphere.

POLISHING OF VEHICLE

After washing your vehicle, wax all painted surfaces (except matte painted surfaces) using a commercially available polish/quality liquid or paste wax to finish the job. Use only a non abrasive polish or wax made specifically for automobiles. Apply the polish or wax according to the instructions on the container.

NOTE

Polishing or waxing is not applicable for models having matte paint.

1. STARTING TROUBLE - ENGINE DOES NOT START

A. Integrated Start-Kill Switch

Check engine stop switch position
- "OFF" → Turn to "ON" (○) position
- "ON" (○) position → **Consult Authorised Distributor/Dealer.**

B. Side Stand Engine Kill System

Check side stand in gear condition **(page 44)**
- Side stand "Down" → Move the side stand up
- Side stand "Up" → **Consult Authorised Distributor/Dealer.**

C. Fuel System

Check fuel in fuel tank
- Low fuel indicator glows continuously → Refill the fuel tank
- OK → Check fuel lines
  - Leakage → **Consult Authorised Distributor/Dealer.**
  - OK → Check for operating sound of fuel pump
    - Broken fuel pump wire connector → Secure connections
    - OK → **Consult Authorised Distributor/Dealer.**

D. Electric Starter Not Working

Check fuse
- Fused → Replace fuse **(page 83)**
- OK → Inspect battery
  - Weak → **Consult Authorised Distributor/Dealer**
  - OK → Check connections, ignition switch/integrated start-kill switch
    - Loose → Secure connections
    - OK → **Consult Authorised Distributor/Dealer.**

E. No Spark At Spark Plug

Check ignition switch → "OFF" (⊗) position → Turn ignition switch "ON" (◯)

OK

Check spark plug for fouling/ improper electrode gap → No spark → Replace spark plug/adjust spark plug gap **(0.8-0.9 mm)**

OK

Check for poorly connected or loose spark plug wire → Loose contact → Secure properly

OK

Consult Authorised Distributor/Dealer

2. ENGINE STARTS BUT STALLS

Check fuel lines → Leakage → **Consult Authorised Distributor/Dealer**

OK

Check air cleaner element → Dirty → Replace

OK

Consult Authorised Distributor/Dealer

3. POOR PICK UP

Spark plug loose in cylinder head → Loose → Tighten the spark plug

OK

Check air cleaner element → Clogged → Replace

OK

Check brake binding → Improper adjustment → Readjust free play of rear brake pedal

OK

Check tyre inflation pressure → Under inflated → Correct tyre pressure

OK

Consult Authorised Distributor/Dealer

4. ELECTRICAL SYSTEM

Feeble horn sound or no light

Check fuse → (Fused) → Replace fuse **(page 83)**

↓ Ok

Inspect battery → (Weak) → **Consult Authorised Distributor/Dealer**

↓ Ok

Check bulbs → (Fuse/wrong wattage) → Replace bulbs

↓ Ok

Check connections → (Loose) → Secure connections

↓ Ok

Consult Authorised Distributor/Dealer

5. i3s SYSTEM

Check i3s switch → ("ON"/"OFF" position) → Turn i3s switch "ON"

↓ Ok

Inspect fuse → (Fused) → Replace fuse

↓ Ok

Inspect battery → (Weak/i3s indicator blinking) → **Consult Authorised Distributor/Dealer.**

↓ Ok

Check neutral indication → (Loose contact) → Secure connections/replace switch

↓ Ok

Consult Authorised Distributor/Dealer

NAVIGATION SIGNS

Navigation signs: Hero navigation app. and meter console of your vehicle will display step by step navigation guidance/direction through below navigation signs when your vehicle is in navigation mode with your smartphone.


Turn Left


Turn Right


Turn Slight Left

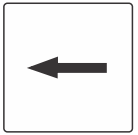

Turn Slight Right

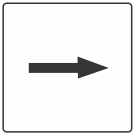

Turn Sharp Left

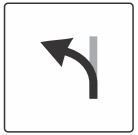

Turn Sharp Right

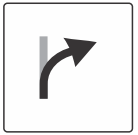

Straight


Merge


Keep Left


Keep Right


Ramp Left


Ramp Right


Round About Left


Round About Right


U Turn Left


U Turn Right


Fork Left


Fork Right


Ferry


Ferry Train


Destination Reached



Wrong way





Hero MotoCorp Ltd.

CUSTOMER'S COPY

DELIVERY CERTIFICATE

I certify having taken delivery of one Hero MotoCorp **GLAMOUR XTEC** Vehicle bearing the following particulars:–

Engine No. _____

VIN _____

Colour/Model _____ **Key No.** _____

Allotment No. _____ **Date of Sale** _____

Customer's Name _____

I have been explained by the dealer about correct and safe driving habits, warranty terms and conditions, service schedules and maintenance tips and understood the same.

Customer's Copy

Alongwith the vehicle I have also received the following:-

1. Owner's Manual
2. 2 Nos. Keys
3. 1 Set of tools **(for details see below)**
4. Standard Accessories **(optional accessories is/are chargeable)**
5. Battery Make _____ Sr. No. _____
6. Tyre **Front** Make _____ Sr. No. _____
   Rear Make _____ Sr. No. _____

The vehicle has been delivered in factory fresh conditions to my satisfaction & I have understood all terms and conditions of warranty and shall abide by them.

Customer's Name _____

Customer's Address _____

Customer's Signature _____

Authorised Distributor/Dealer Name _____

Authorised Distributor/Dealer Address _____

Details of Tool kit

Tool bag- 1 No., +, -No. 2 Driver - 1 No., Grip- 1 No., Box wrench 16 x 14- 1 No., Pin spanner- 1 No.



Hero MotoCorp Ltd.

AUTHORISED DISTRIBUTOR/DEALER COPY

DELIVERY CERTIFICATE

I certify having taken delivery of one Hero MotoCorp **GLAMOUR XTEC** Vehicle bearing the following particulars:–

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VIN _____

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The vehicle has been delivered in factory fresh conditions to my satisfaction & I have understood all terms and conditions of warranty and shall abide by them.

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Customer's Address _____

Customer's Signature _____

Authorised Distributor/Dealer Name _____

Authorised Distributor/Dealer Address _____

Details of Tool kit

Tool bag- 1 No., +, -No. 2 Driver - 1 No., Grip- 1 No., Box wrench 16 x 14- 1 No., Pin spanner- 1 No.

GENUINE PARTS

WHAT ARE THE BENEFITS OF Hero MotoCorp GENUINE SPARE PARTS ?

- Assures long life
- Ensures economy for a long time
- Safety of vehicle and rider
- Peace of mind
- Value for money
- Assured quality

CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

Clutch plate	• Material used is inferior • Damages other parts of clutch like, clutch center and outer clutch • Affects fuel efficiency • Poor acceleration
Cam chain kit	• Poor performance • Reduced life
Gasket cylinder head	• Improper sealing • Engine knocking • Leads to leakage and smoky exhaust • Higher emission level

Hero

GENUINE PARTS

CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

Element air cleaner	• Improper air filtration resulting in premature engine failure • Affects fuel efficiency • Poor engine performance
Spark plug	• Frequent stalling of engine • Higher emission level • Poor engine performance • Affects fuel efficiency
Brake pads/Shoes	• Poor braking efficiency • Rider safety-an issue • Discs/Drum wear out, resulting in subsequent repair cost
Chain sprocket kit	• Noisy operation • Failure of chain can cause fatal accident

JOBS APPLICABLE TO PERIODIC SERVICES

- Test drive the vehicle if required for reported troubles, if any.
- Wash the vehicle, blow dry with air at every service.
- Fuel line inspection at every service.
- Inspect throttle free play and operation at every service, adjust if necessary.
- Replace air cleaner element at every 15000 km.
- Inspect, clean the spark plug at every service, adjust if necessary. (replace at every 12000 km).
- Inspect the valve clearance at every service, adjust if necessary.
- Engine oil top up or change as per the maintenance schedule.
- Clean engine oil strainer screen at first service then every 6000 km.
- Inspect engine oil filter at every 6000 km, replace at every 12000 km.
- Inspect electric starter operation at every service.
- Inspect oil circulation at every service.
- Inspect, clean, lubricate and adjust the drive chain at every 2000 km.
- Inspect the drive chain slider.
- Inspect battery voltage at every service and charge if required.
- Inspect brake shoe wear at every service, adjust if necessary.
- Inspect brake pad and brake fluid level at every service.
- Clean and lubricate brake pedal at second service, then every 6000 km.
- Inspect all lamps, horn and switches at every service, adjust if necessary.
- Inspect headlamp focus at every service, adjust if necessary.
- Inspect clutch lever free play at every service, adjust if necessary.
- Clean and lubricate side stand pivot bolt and rear brake pedal/main stand pivot at every service.
- Inspect and clean the side stand switch at every service.
- Inspect fasteners and tighten to the specified torque (if required).
- Inspect the bearings free play, replace if necessary.
- Inspect wheels/tyres. Inflate tyre to specified pressure at every service.
- Inspect steering for smooth operation, adjust (if necessary) in every alternate service and lubricate at every 12000 km.
- Inspect front suspension at every service, replace oil once in every 2 year or 30000 km whichever is earlier.
- Inspect rear suspension mounting bushes play, replace if necessary.
- Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages at every service.
- Test drive the vehicle for repair of problems reported.
- Polish entire vehicle.

SERVICE RECORD SHEET
To be Filled in by Supervisor

Free/Paid Service	Km. Range	Date	Km. Reading	Job Card No.	Authorised Distributor/Dealer (Sig. & Stamp)
I	500 – 750				
II	3000 – 3500				
III	6000 – 6500				
IV	9000 – 9500				
V	12000 – 12500				
VI	15000 – 15500				
VII	18000 – 18500				
VIII	21000 – 21500				
IX	24000 – 24500				
X	27000 – 27500				
XI	30000 – 30500				
XII	33000 – 33500				
XIII	36000 – 36500				
XIV	39000 – 39500				
XV	42000 – 42500				
XVI	45000 – 45500				
XVII	48000 – 48500				

NOTE

It is suggested to avail all free and paid services as per the recommended schedule for optimum performance of your vehicle. Vehicle malfunction due to unauthorized tempering of the vehicle will not be covered under the warranty policy. Please ensure that each paid service is availed within 90 days from the date of previous service or as per the recommended schedule, whichever is earlier.

SERVICE RECORD SHEET
To be Filled in by Supervisor

Free/Paid Service	Km Range	Date	Km Reading	Job Card No.	Authorised Distributor/Dealer (Sig. & Stamp)
XVIII	51000 - 51500				
XIX	54000 - 54500				
XX	57000 - 57500				
XXI	60000 - 60500				
XXII	63000 - 63500				
XXIII	66000 - 66500				
XXIV	69000 - 69500				
XXV	72000 - 72500				

REMARKS (IF ANY)

SERVICE ADVICE SHEET

Normal wear and tear components replacement advice

Date	Km Job Card No.	Advice	Authorised Distributor/Dealer (Sig. & Stamp)	Completion Dt. Job Card No.



Hero MotoCorp Ltd.

OWNERSHIP RECORD AND DATA

NAME_____

ADDRESS_____

MODEL_____ REGN. NO. _____

ENGINE NO._____

VIN_____

DATE OF PURCHASE_____KM. READING _____

AUTHORISED DISTRIBUTOR/DEALER NAME_____

ADDRESS_____

_____

BATTERY MAKE_____ SERIAL NO._____

AUTHORISED DISTRIBUTOR/DEALER
STAMP AND SIGNATURE