#### **PREFACE**

Thank you for selecting Hero MotoCorp **Hunk 440**. 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 EURO-V (OBD STAGE II-PHASE-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 **Hunk 440**. 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.

Your 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, ILLUSTRATION, PHOTOGRAPH, 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. Hero MotoCorp Ltd RESERVES THE RIGHT TO MAKE CHANGES IN ITS CONTENTS AT ANY TIME WITHOUT NOTICE AND/OR INCURRING ANY OBLIGATION, WHATSOEVER. NO ONE IS ALLOWED TO REPRODUCE ANY

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#### VEHICLE IDENTIFICATION





# Vehicle Identification Number (VIN)

steering head tube.

Engine No.

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

VIN: MBLYGU06########

MBL	YGU06	#	#	#	#	#####
Manufacturer	Vehicle	Check	Model Year	Plant	Month of	Production
code	Description	Digit		Code	Manufacturing	Serial Number

Engine No.: YG01AG######

YG01AG	#	#	#	#####
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

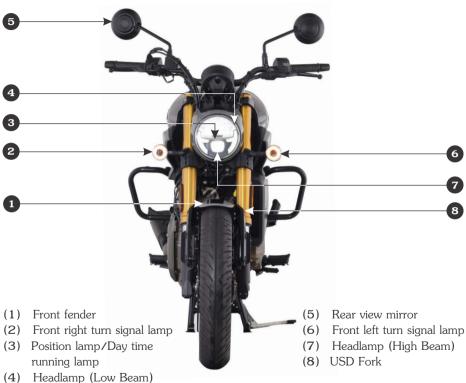
Model: Hunk 440

Variants	VIN	Engine
Cruiser/Roadster/Top Connected 2.0 (Power Cruiser-Premium)	YGU <b>0</b> 6	YG01AG

# VIN and Engine No. may be required:

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

# FRONT VIEW VEHICLE VIEWS





- (1) Rear shock absorber
- (2) Left rear turn signal lamp
- (3) Tail/stop lamp
- (4) Licence plate lamp

- (5) Right rear turn signal lamp
- (6) Rear reflex reflector
- (7) Rear fender



- (1) Fuel tank cap
- (2) Horn switch
- (3) Turn signal switch
- (4) Clutch lever
- (5) Headlamp dimmer/Pass lamp switch
- (6) Home screen navigator control
- (7) USB charger

- (8) Meter console
- (9) Ignition switch with key
- (10) Front brake master cylinder/Reservoir
- (11) Hazard switch
- (12) Front brake lever
- (13) Throttle grip
- (14) Integrated start-kill switch



- (1) Oil cooler
- (2) Starter motor
- (3) Gearshift pedal
- (4) Main stand (Optional)
- (5) Side stand
- (6) Pillion footrest
- (7) Rear grip

- (8) Seat
- (9) Left side cover
- (10) Side stand switch



- (1) Rear disc
- (2) Rear brake fluid reservoir
- (3) Rear brake master cylinder
- (4) Rider footrest
- (5) Brake pedal
- (6) Oil level window
- (7) Front brake caliper assembly

- (8) Front disc
- (9) Right side cover
- (10) Battery compartment (inside)
- (11) Fuse box (inside)
- (12) Rear brake caliper assembly
- (13) Exhaust muffler

# **VEHICLE SPECIFICATION**

ITEM	SPECIFICATIONS
Dimensions	
Overall length	2100 mm
Overall width	868 mm
Overall height	1112 mm
Wheelbase	1388 mm
Saddle height	803 mm
Ground clearance	175 mm
Weight	
Kerb weight	[188 kg
Capacities	
Engine oil	2.6 litres at disassembly and 2.25 litres at draining
Fuel tank capacity	13.5 litres
Hydraulic brake fluid	DoT-4
Engine	
Maximum power	20.13 kW/27 bhp @ 6000 r/min
Maximum torque	36 N-m @ 4000 r/min
Bore and stroke	79.6 x 88.4 mm
Compression ratio	9.65:1
Displacement	440 cc
Spark plug	Federal Mogul REK6YC
Spark plug gap	0.8-0.9 mm
Idle speed	1600±100 r/min (cold condition) 1300±100 r/min (hot condition)

# **VEHICLE SPECIFICATION**

VEHICLE OF EC		1.4	
ITEM			SPECIFICATIONS
Chassis and suspen	sion		
Front suspension			USD
Rear suspension			Hydraulic rear twin shock swingarm mount
Caster angle			23.9°
Trail length			91.4 mm
Tyre size	(	Front	110/70-17 54H TL
Tyre size		Rear	150/60 ZR-17 66W TL
T	(	Front	27 psi
Tyre pressure		Rear	29 psi
Brakes	Front (D	isc type)	Dia. 320 mm
Diakes	Rear (Di	sc type)	Dia. 240 mm
Transmission			
Primary reduction			2.308
Final reduction			2.53
Transmission			Manual 6 speed
Gear ratio, 1 <sup>st</sup>			2.833
$2^{\text{nd}}$			1.875
$3^{\text{rd}}$			1.4
4 <sup>th</sup>			1.136
5 <sup>th</sup>			0.958
6 <sup>th</sup>			0.818

# **VEHICLE SPECIFICATION**

ITEM		SPECIFICATIONS
Electricals		
Battery		*MF Battery 12V-8 Ah/ETZ-9
Alternator		325 W @ 5000 r/min
Headlamp		(LED
Position lamp		(LED
Tail/Stop lamp		(LED
Turn signal lamp		(LED
Turn signal indicator (RH.	/LH)	LEDx2nos.
Hi beam indicator		[LED
ABS indicator		[LED
Service reminder indicator		[LCD
Licence plate lamp		[LED
Malfunction indicator lamp (MIL)		[LED
Low oil pressure indicator		[LED]
Low fuel indicator		[LED
Neutral indicator		[LED
Side stand indicator		[LED
Fog lamp indicator (Optional)		LED
	Starter magnetic switch	25A (Main fuse)
Fuse	Main fuse	15Ax3 & 10x3
	Spare fuse	[25A, 15A, 10A

\*MF stands for Maintenance Free

#### **ACCESSORIES & MODIFICATIONS**

Modifying your vehicle or using non-Hero We strongly advise you not to remove any MotoCorp accessories can make your vehicle original equipment or modify your vehicle in unsafe. Before you consider making any any way that would change its design or modifications or adding an accessory, be sure operation. Such changes could seriously 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 operating any controls.
- Be sure electrical equipment does not exceed the vehicle's electrical system capacity (page 9). 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

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 vour name, address and contact details.

# **1**<sup>2</sup> Hero RideSafe

# VEHICLE 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 through out 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.

#### 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 reduce the reaction time. Do not drink and ride.

## Keep your vehicle in safe condition

For safe riding, its 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.

and wheels. Ride slowly and cautiously. Your noticeable in traffic, as can reflective strips. vehicle may have suffered damage that is not. An open-face helmet offers some protection. facility as soon as possible.

#### PROTECTIVE APPAREL

For your safety, we strongly recommend that In addition to a helmet and eye protection, we you always wear a helmet which should also recommend: conform as per your country standards, in . Sturdy boots with non-slip soles to help addition to eye protection, boots, gloves, long pants and a long sleeve shirt or jacket. whenever you ride. Take care of loose/ 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.

# /I WARNING

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

#### Helmets and eve protection

If you decide to continue riding, first evaluate Your helmet is your most important piece of the condition of your vehicle. If the engine is riding gear because it offers the best still running, turn it off. Inspect for fluid leaks, protection against head injuries. A helmet check the tightness of critical nuts and bolts, should fit your head comfortably and securely. and check the handlebar, brake levers, brakes. A bright coloured helmet can make you more

immediately apparent. Have your vehicle but a full-face helmet offers more. Always thoroughly checked at a qualified service wear face shield or googles to protect your eves and help your vision.

# Additional riding gear

- 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 vou 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 Never use cell phone while riding the vehicle. (page 55).
- Always wear a helmet with chin strap securely fastened and insist on a helmet for your pillion rider. • Never shift gears without disengaging the clutch
- 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).
- For stopping vehicle, use both brakes simultaneously, keeping throttle in the closed position.
- Respect road signs and obey traffic rules for your own Concentrate on the road and avoid talking to the safety and that of others on the road (page 98).
- During night time, dip headlamps of your vehicle for Do not litter the road. oncoming traffic, or when following another . Do not cross the continuous white/yellow line in vehicle.
- reflective clothing that fits well.
- Take care of loose/hanging clothes while Never take your hands off the steering handle while solo/pillion riding.
- Get your vehicle serviced regularly by the Do not attempt to apply the front brake lever Authorised Distributor/Dvehicle
- Before riding make sure that integrated start-kill switch is in "ON" ( $\Omega$ ) position.
- Keep checking the ABS indicator. At any point if indicator remains on, then ABS is not working (page 49).
- Keep checking speedometer. In case of ABS malfunction, speed display may go to zero.
- It is suggested to go through the do's & dont's of ABS (page 60) and practice riding your ABS • vehicle initially in low-traffic condition unless you are thoroughly familiar with your vehicle and its controls.

#### Don'ts

- · Avoid sudden acceleration, braking and turning of vour vehicle.
- and closing the throttle.
- Avoid keeping any cloth or flammable object between or around the hot parts (muffler, oil cooler, engine).
- Never touch any part of the hot exhaust system like muffler
- Never ride under the influence of alcohol or drugs.
- pillion rider or others on the road.
- the center of the road, while overtaking.
- To make yourself more visible, wear bright Do not attach large or heavy items to the handlebars, front forks, or fenders.

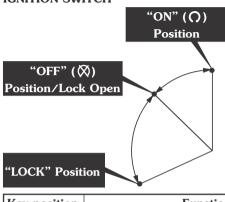
  - intermittently for ABS vehicle.
  - Do not panic by mechanical noises or slight pedal pulses while applying the brake in vehicle. These conditions are normal and indicates that ABS is working.
  - · Do not apply the hard braking in wet or rainy conditions.
  - · Do not switch off the integrated start-kill switch  $(\boxtimes)$  while riding the vehicle (page 48).
  - Do not move the side stand down while riding, as engine will stop while vehicle is in gear (page 48) (Wheel locking leading to accident, part damage, etc.).
  - · Navigation system assists you to reach your destination, don't be distracted while driving. Drive safely and always obey traffic rules.

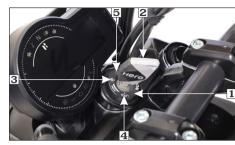
#### TIPS FOR HEALTHY ENVIRONMENT

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 use 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 Xotic+ 100% Synthetic SAE 15W 50 recommended by Hero MotoCorp and make sure you change it every 10000 km. (with top up every 5000 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 Euro-5 grade fuel to adhere Euro-5





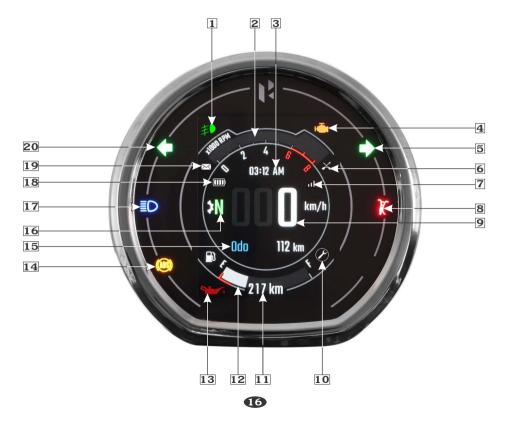


- 1. Ignition switch
- 2. Ignition key
- 3. "OFF" ( $\mbox{\ensuremath{\mbox{$\sc O}$}}$ ) position
- 4. Steering lock position
- 5. "ON" (**○**) position

Key position	Function	Key removal
"ON" (೧)	The LCD panel illuminates & initial display of multi function digital segments are displayed. The tachometer segment and the fuel gauge segment will swing to the maximum scale once and back to its normal position. The engine can be started. Turn signal lamp, horn, tail/stop lamp, fuel gauge, pass lamp, position lamps, hazard switch & neutral indicator will be functional. Malfunction indicator lamp (MIL) illuminates continuously.	Key cannot be removed.
"OFF" (∅)	Engine cannot be started and no electrical system will be functional.	Key can be removed.
"LOCK"	Steering can be 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	Fog indicator (Optional)	Light glows when fog lamp is "ON".
2	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".
3	Digital clock	Indicates hours & minutes (page 21).
4	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.
5	Right turn signal indicator	Flashes when right turn signal switch is operated.
6	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 33).
7	Network strength	Display network strength of smartphone on the meter console once your smartphone is paired with the vehicle via Hero Global App (page 34).
8	Side stand indicator	Light glows when the vehicle is parked on the side stand.
9	Speedometer	Indicates riding speed.
10	Service reminder indicator	Displays when the next service is due (page 19).
11	Distance to empty (DTE)	Indicates how many kilometers are left before the complete fuel is consumed in the fuel tank during riding.

SL.No.	Description	Function
12	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" $(\Omega)$ (page 19).
13	Low oil pressure indicator	When the ignition switch is turned "ON" the low oil pressure indicator lamp glows continuously and then should go "OFF" once the engine is started. It indicates that engine oil pressure in the system is OK. If it glows continuously during a trip, stop immediately, switch "OFF" the engine and contact an Authorised Distributor/Dealer
14	Anti-lock braking system (ABS) indicator	This indicator normally comes on for approx 1.8 seconds when the ignition switch is turned "ON" ( $\Omega$ ) and then keeps blinking until the vehicle attains speed of 5 km/h. If there is a problem with the anti-lock braking system, ABS indicator turns "ON" (page 49).
15	Odometer	Shows accumulated distance travelled (page 19).
16	Gear indicator	Displays the selected gear while riding (page 29).
17	High beam indicator	Light glows when headlamp is in high beam.
18	Phone battery status	Display battery status of smartphone on the meter console once your smartphone is paired with the vehicle via Hero app (page 33).
19	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 33).
20	Left turn signal indicator	Flashes when left turn signal switch is operated.

# THIN FILM TRANSISTOR (TFT) PANEL

#### (a) Odometer

The odometer (1) shows accumulated distance travelled.

The odometer can be displayed from "0 to 999999" km.



(1) Odometer

# (b) Fuel gauge

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

The digital bar (2) will swing to maximum scale on the meter console once the ignition switch is turned "ON"  $(\Omega)$ . If all the bar graph are displayed it means fuel quantity in the fuel tank is 13.5 litres.



# (c) Service reminder indicator

The service reminder indicator (1) is to indicate to the user to bring the vehicle to an Authorised Distributor/Dealer for service. The indicator will 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.



(1) Service reminder indicator

#### (d) Date

Displays the day, month and year (1).

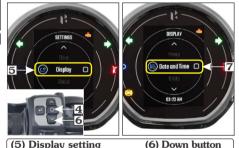
Press the up/down button (2) until the "Date" is displayed.



For date setting refer to the procedure below:

- Turn the ignition switch "ON" ( $\Omega$ ).
- Date will be adjusted in configurable menu.
- To open the settings (3) on the meter console, press and hold the set button (4).
- Navigate to display setting (5) on the meter console by pressing the down button (6) and press the set button (4) to open the display setting.
- In display setting navigate to date and time setting (7) by pressing the down button (6) and press the set button (4) to open the date and time setting.





• In date and time setting navigate to set date (8) on the meter console by pressing the down button (6) and press the set button (4) to open the date setting.

(7) Date & Time



- To set the desired day (9), press up/down button (2) until the desired day is displayed.
- To set month (10), press the set button (4) to switch from day to month display. Now press the up/down button (2) until the desired month is displayed.



- To set year (11), press the set button (4) to switch from month to year display. Now press the press up/down button (2) until the desired year is displayed.
- To set the date press and hold the set button (4).

# (e) Clock

Digital clock (1) shows hour and minute.



## (1) Clock

For clock setting refer to the procedure below:

- Turn the ignition switch "ON" ( $\Omega$ ).
- Clock will be adjusted in configurable menu.
- To open settings (2) on the meter console, press and hold the set button (3).



- Navigate to display setting (4) on the meter console by pressing the down button (5) and press the set button (3) to open the display setting.
- In display setting navigate to date and time setting (6) by pressing the down button (5) and press the set button (3) to open the date and time setting.
- In date and time setting navigate to set time (7) on the meter console by pressing the down button (5) and press the set button (3) to open the time setting.



- (4) Display setting (6) Date & Time
- (5) Down button



- To set the hour (8), press up/down button (9) until the desired hour is displayed.
  - The time is advanced by 1 hour each time the up/down button (9) is pressed.
  - The time advances fast when the up/down button (9) is pressed and held.

- To set minute (10), press the set button (3) (f) Tripmeter to switch from hour to minute display. Now The tripmeter shows distance travelled since desired minute is displayed.
  - time the up/down button (9) is pressed.
  - The time advances fast when the up/ down button (9) is pressed and held.



(8) Hour (10) Minute

- (9) Up/Down button (11) AM-PM
- To change AM-PM (11), press the set button (3) to switch from minute to AM-PM display. Now press the press up/down button (9) to select the AM-PM.
- · To set the clock press and hold the set button (3).

#### NOTE

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

press the up/down button (9) until the trip meter was reset last time. There are two tripmeters, "Trip A" and "Trip B".

- The time is advanced by 1 minute each Short press the set button (1) on the handlebar to view "Trip A" (2) display.

Press the down button (3) to select "Trip B" (4).

"Trip A" and "Trip B" can be displayed up to "999.9" km.

If the tripmeter exceeds "999.9" km it will return to "0.0" km automatically.





(1) Set button (3) Down button (2) Trip A (4) Trip B

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

- **Distance (5):** distance covered in a trip.
- Trip time (6): time taken to complete a trip.
- Avg speed (7): average speed at which vehicle completes a trip.

 Avg fuel consumption (FE) (8): average fuel consumption at which vehicle covers the trip distance.

To view the above parameters press up/down button (9).

When tripmeter sub menu is selected, long press (more than 2 seconds) the set button (1) to reset tripmeter to zero.



- (5) Distance (6) Time (7) Average speed
- (8) Average fuel consumption
- (9) Up/Down button

# (g) Real time mileage indicator (RTMI)

The real time mileage indicator (RTMI) (1) shows the current mileage of the vehicle in km/litre. Initial reading is displayed within  $10\pm3$  seconds of starting the engine, and is refreshed after every 3 seconds.

Press the set button (2) and press the up/down button (3) until the "RTMI" is displayed.



(1) Real time mileage indicator (RTMI) (2) Set button (3) Up/Down button

When the ignition switch is turned "ON" ( $\bigcirc$ ) position, the real time mileage indicator will temporarily show the digit "----- km/L" which indicates that all the digital segments are working. The display range is from (0 to 120 km/litre).

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

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

# (h) Distance to empty (DTE)

Distance to empty indicator "RANGE" (1) shows how many kilometres are left before the complete fuel is consumed in the fuel tank while riding.

Press the set button (2) and press the up/down button (3) until the "DTE" is displayed.



(1) Distance to empty (Range)(2) Set button(3) Up/Down button

## NOTE

In low fuel condition, range value will not be displayed.

#### (i) Service due

Indicates how many kilometres are left before the next service is due (1). Press the set button (2) and press the up/down button (3) until the "Service due" is displayed.



(1) Service due (2) Set button (3) Up/Down button

#### (j) TFT setting

Turn the ignition switch to "ON" (O) position. To open the setting (1) on the meter console press and hold the set button (2) on the handlebar.



(1) Settings (2) Set button

There are different settings which can be configured by the user according to the preference

User can navigate through the settings by using up button (3) or down button (4).

To select the setting press set button (2) and to come out from the setting press back button (5) on the handlebar.



- (2) Set button (4) Down button
- (3) Up button (5) Back button
- Meter console display the following features:

#### 1. Bike setting

Open the bike setting (1) by press and hold the set button (2).

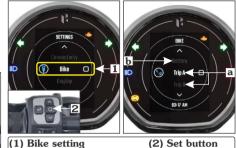
User can view:

# (a) Trip A & B

User can view trip A & B distance, trip time, average speed and average fuel consumption (FE). User can reset the tripmeter by press and hold the set button on the handlebar.

# (b) Battery

User can view the vehicle's battery voltage.



#### 2. Display setting

a. Trip A & B

To customize the meter console user can select from different display settings (1).

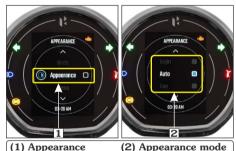
b. Battery



(1) Display settings

#### a. Appearance

Appearance (1) feature allows the user to change the TFT display theme. Select the appearance mode (2) of cluster from the • Trip B option of day and night or auto. When day mode is selected headlamp will be "OFF", when night mode is selected headlamp will be "ON" or when auto mode is selected TFT theme is adjusted automatically and headlamp will be "ON"/"OFF" as per the ambient lighting condition around the vehicle.



#### b. Menu

User can select from different options which will be displayed on meter console menu screen (1).

Below are the following options which can be displayed on the menu screen:

- Volume
- Fuel
- Navigation
- General information
- Music



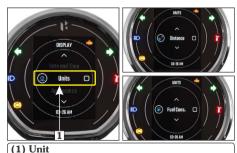
- c. Date and time
- **Set Date-**User can set the date (page 20).
- **Set time-** User can set the time (page 21).
- 24 Hour-User can change the time format.



(1) Date and time

#### d. Units

- Distance-Any distance (1) which is displays on the meter console are shown in kilometers (km).
- Fuel consumption-User can change the fuel consumption (2) unit between "L/100km" and "km/L".



#### 3. About

- Rider info- User can view the rider information which is stored through the App.
- Software version User can view the meter console current software version.
- Disclaimer User can view the disclaimer about the meter console.



(1) About setting

# 4. Connectivity setting

User can connect meter console with bluetooth.



## (1) Connectivity setting

#### LOW FUEL INDICATOR

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



(1) Low fuel indicator

#### NOTE

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

# ( 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.

#### **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

# NOTE

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



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

# (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.

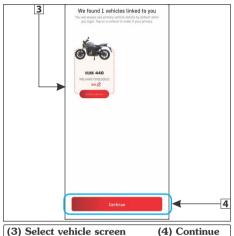
To connect your device proceed as follows:

- 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.

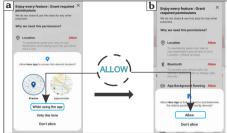


# NOTE

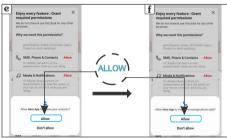
- Compatibility and performance of Hero Global App may vary based on your device and software version.
- Application needs GPS signal, internet and bluetooth connectivity to perform the desired navigation functionality.
- After successful verification, select vehicle screen (3) will be replicated on mobile screen. Tap on the vehicle image to continue.
- Select the vehicle and click on "Continue" (4).

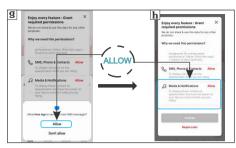


- For first time pairing, allow the application to access:
- a. Device location.
- b. Bluetooth connectivity.
- c. App background running (optional).
- d. Phone call logs on your device.
- e. Contacts.
- f. Make and manage phone calls.
- g. Send and view SMS messages.
- h. Media & notification.









### 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 "ON".

# Various features of Hero Global App are as follows:

# Incoming call alert

When smartphone is paired with Hero App (page 30), then you will get all the incoming calls alerts (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 Star busts, then your meter console will display "star busts". Incoming calls can be accept by pressing set button (2) and can be rejected by pressing back button (3).



- (1) Incoming call alert by name
- (2) Set button (3) Back button

If the number is not saved in your device by name then it will display "unknown" (4).



(4) Incoming call alert by unknown number

#### Missed call alert

When your smartphone is paired with Hero App (page 30), then you will get all the missed calls alerts (1) on the meter console.



(1) Missed call alert on meter console

# Message alert

When your smartphone (android) is paired with the Hero App (page 30), then you will get all the message alerts (1) on the meter console.



# · Phone battery status

When your smartphone is paired with the Hero App (page 30), then it will display phone battery status (1) of your smartphone on the meter console.

#### In meter console:

- 4 bar display 80-100%
- 3 bar display 60-79%
- 2 bar display 40-59%
- 1 bar display 20-39%
- 1 bar blink with outer line display -1-19%.



(1) Phone battery status on meter console

#### Phone network strength

When your smartphone is paired with the Hero App (page 30), then you will display phone network strength (1) of your smartphone on the meter console.



(1) Phone network strength on meter console

#### • Navigation:

To use navigation feature proceed as follows:

- Open the Hero App (page 30).
- 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



(3) Search result

(4) Navigate

- Now user can view the turn by turn navigation in navigation mode (5) on meter console of the vehicle.
- After clicking on navigate, meter console will display the direction (6), distance for next move (7) and estimated time of arrival (ETA) (8). 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) Set button
- (6) Up/Down button
- (7) Navigation screen
- (8) Direction (9) Distance for next move (10) ETA

After clicking on navigate, meter console will display the direction (8), distance for next move (9) and estimated time of arrival (ETA) (10). Estimated time of arrival will be displayed in "am" or "pm". Hero App and meter console of your vehicle will display step by step navigation guidance/direction through navigation signs (page 100).

# 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 driving. Drive safely and always obey traffic rules.

#### (c) Steering lock

Steering lock is with the ignition switch, turn the key (1) to "OFF" (\*\varphi\*) position & turn the handle bar towards left or right & push the key downwards & turn towards "Lock" position. After locking take out the key.



(1) Ignition key

# LEFT HANDLEBAR CONTROL SWITCHES

# 1. Turn signal lamp switch (♦ ♦)

Shift the turn signal switch (1) 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.

#### 2. Horn switch ( )

Press the switch to operate the horn (2).

#### Home screen navigator control

The home screen navigator control (3) is used Headlamp is equipped with a day time running to operate the following functions of the meter lamp (DRL) to enhance the day light time console:

- Up button-Scroll the meter console from the bottom to the top.
- Down button-Scroll the meter console from the top to the bottom.
- Back button-Press the back button to go back to the previous menu.
- Set button—Press to confirm selection.



(1) Turn signal switch

(2) Horn switch

# **WARNING**

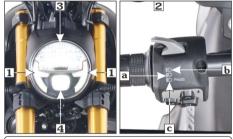
- · It is recommended to use home screen navigator control when the vehicle is in stand still condition.
- · Home screen navigator control assists you to control the meter console home screens. don't be distracted while driving.

#### 3. Headlamp dimmer/pass switch

visibility of the vehicle to other road users.

Headlamp dimmer/pass switch (2) has three positions. The three positions of headlamp dimmer/pass switch " , " ond and

"EDPASS" function differently based on day. night and auto mode as follows:



(1) Position lamp/Daytime running lamp (DRL) (2) Headlamp dimmer/pass switch

(b) **■**D

- (3) Low beam
  - (4) High beam (c) D PASS

(a) D

# i) When appearance is set to day mode PASS (5) (page 27).



(5) Day mode



When the ignition switch is turned "ON", the position lamp will illuminate.

Once the engine is turned "ON" and the 6 headlamp dimmer/pass switch is set to " and " (a) position, the DRL (1) will illuminate.

- DRI will be "ON".
- High beam will be "OFF".
- Low beam will be "OFF".



In engine running condition, when the In engine running condition, when headlamp headlamp dimmer/pass switch is set to " " (b) position, the DRL (1) will illuminate.

- DRI will be "ON".
- High beam will be "OFF".
- Low beam will be "OFF".

In engine running condition, when headlamp dimmer/pass switch "EDPASS", (c) position is pressed:

- High beam (4) will be "ON" till the time it is pressed.
- Low beam (3) will be "ON" till the time it is pressed.
- DRL (1) will be "ON".

#### ii) When appearance is set to night mode (6) (page 27).



(6) Night mode



dimmer/pass switch is set to " (a) position. low beam (3) and position lamp (1) will be "ON".



In engine running condition, when headlamp dimmer/pass switch is set to " D" (b) position. High beam (4), low beam (3) and position lamp (1) will be "ON".

# **D** PASS

In engine running condition, when headlamp There is a clutch switch (3) provided for the pressed:

- pressed.
- Low beam (3) will be "ON".
- Position lamp (1) will be "ON".

# iii) When appearance is set to auto mode (7) (page 27).



(7) Auto mode

Once the appearance is in auto mode, headlamp illuminates as per the lighting condition around the vehicle.

# / WARNING

It is recommended to use the dimmer/pass switch positions " D ", " D ", " PASS D " and day/auto/night modes as per the visibility, road and traffic conditions.

#### 4. Clutch switch

dimmer/pass switch "FDPASS", (c) position is safety of the rider. The vehicle cannot be started by electric starter switch until the clutch · High beam (4) will be "ON" till the time it is lever is operated when the vehicle is engaged in gear.



(4) Clutch switch

#### RIGHT HANDLEBAR CONTROLS

#### 1. Integrated start-kill switch

#### (a) Electric starter operation (3)

Press the electric starter (10) (1) of integrated start-kill switch (2) downwards 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 (10) operation. Release switch after the engine has started.

# ( CAUTION

Never hold electric starter (②) 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 (1) has two positions. In "ON" ( $\Omega$ ) position, engine will operate and in "OFF" ( $\infty$ ) position, engine will not operate. The prime function of it is to stop the engine during emergency (Vehicle tip over, throttle cable stuck etc.). The switch should normally remain in "ON" ( $\Omega$ ) position. During emergency, put the switch to "OFF" ( $\infty$ ) 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.).

#### 2. Hazard switch (A)

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.



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

#### **ABS INDICATOR**

The ABS indicator (1) on speedometer comes "ON" for 1.8 seconds when the ignition switch is turned "ON" ( $\Omega$ ) & then keeps blinking until the vehicle attains a speed of 5 km/h.

When the system functions normally indicator goes "OFF" (((((((())))))) once vehicle speed exceeds 5 km/h.



# (1) ABS indicator

At any point if ABS indicator remains "ON" then ABS is not working, but the brakes still work normally. Reduce your vehicle speed and visit your Authorised Distributor / Dealer.

#### 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" ( $\Omega$ )), 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 side stand is up, 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 should be taken while cleaning the side stand switch.

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

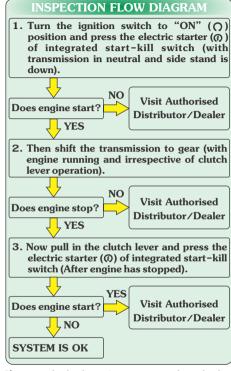
This feature has following functions:

- 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 flow diagram, please visit your Authorised Distributor/Dealer.

#### **FUEL**

#### (a) Fuel tank

Fuel tank capacity is 13.5 litres (Be sure to fill the fuel tank when low fuel indicator glows).

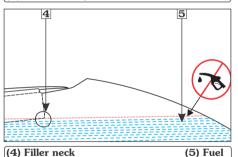
• To unlock fuel tank cap, lift the key hole cover (1), insert key (2) turn it clockwise and lift open the cap (3).



- Do not overfill the tank. There should be no fuel in filler neck (4). Fill the tank with fuel (5) as shown.
- To lock fuel tank cap, close the cap back on the opening and press gently. The key springs back to the normal position and cap gets locked.



(3) Fuel tank cap



 Remove the key and put back the keyhole cover.

# 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 ultra violet 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

sticker on fuel tank indicates that the vehicle **Location**: On the left side of the rear cowl. parts are compliant up to the blend of "5% ethanol with petrol".

It is recommended not to use petrol containing more than 5% of ethanol to avoid any damage to engine and other parts of the vehicle.

If you observe any problem related to the operational performance of the vehicle. contact your Authorized Distributor/Dealer.

# **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

below the rear grip.

**Operation:** Insert the ignition key (1) and turn is clockwise to unlock the seat. To install, engage the hook on the underside of the seat with the frame and slide the seat to the front until the lock clicks.

#### **SEAT LOCK**

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

**Operation:** Insert the ignition key (1) and turn is clockwise to unlock the seat. To install, engage the hook on the underside of the seat with the frame and slide the seat to the front until the lock clicks.



(1) Ignition key

#### USB CHARGER

A USB charger (1) with a cap (2) mounted near fuel tank (3) to charge your mobile phone safely while riding.

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 in the charger cable to it. Hero MotoCorp will not be responsible for damages caused due to use of non-standard USB cable.



(1) USB charger (3) Fuel tank (2) Cap

# ( CAUTION

- Always place the device in a safe and secure condition 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 vehicle, 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 69). 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 journey. Check for leaks.
- Low fuel indicator-Vehicle should not be operated with low fuel indicator glowing continuously (page 29).
- ABS indicator-Check ABS indicator for proper functioning of ABS (page 49).
- Front brake-Check for correct brake fluid level in master cylinder/reservoir (page 79).
- **Rear brake**-Check for correct brake fluid level in the reservoir (page 80).
- Tyres-Check condition and pressure (page 86).
- **Clutch**-Check for smooth operation. Adjust free play if necessary **(page 74)**.
- Drive chain-Check condition and slackness (page 75). Lubricate if necessary.
- **Throttle**-Check for smooth opening and closing in all steering positions (**page 75**).

- Lamps & Horn-Check that headlamp, position lamps, tail/stop lamp, turn signal lamps, indicators 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.
- Integrated start-kill switch-Check for proper functionality (page 48).
- Fitting & Fasteners-Check & tighten if necessary.
- **Steering**-Check for smooth action and for easy maneuverability.
- **Side stand**-Check for proper functionality (page 50).

#### 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 (3) 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 51).

#### **Preparation**

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

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





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

#### 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 Distributor/Dealer for check-up.

• Find neutral position & check neutral N 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

 Press the electric starter (1) of integrated start-kill switch with fully closed throttle.

#### CAUTION

- Do not open excessive throttle when engine is idling and the vehicle is parked, as it may lead to overheating and damage to engine and exhaust system components.
- Running the engine at idle for more than 3 minutes may also result in engine overheating.

# Starting procedure

At any ambient temperature, Press the electric starter  $(\Omega)$  of integrated start-kill switch with the throttle completely closed.

## NOTE

- This vehicle has a fuel-injected engine with an idle air control valve (IACV).
- It is not recommended to start engine with throttle.
- Engine will not start if throttle is kept fully open as Electronic Control Unit (ECU) cutsoff the fuel supply for internal components safety.

#### Flooded engine

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

- Open the throttle fully.
- Press the electric starter (191) of integrated start-kill switch for 5 seconds.
- Follow the normal starting procedure.
- If the engine starts with unstable idle, open the throttle slightly.
- If the engine does not start wait for 10 seconds, then follow first 3 steps again.

#### 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" ( $\bigotimes$ ) position and then back to "ON" ( $\bigcirc$ ) 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 integrated start-kill switch.
- Do not open the throttle during starting the vehicle.

# WARNING

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

#### RIDING

- Excessive revving of the engine during cold condition can reduce engine life.
- While the engine is idling, press the clutch lever and depress the gearshift pedal downwards using the toe to shift into  $\mathbf{1}^{\text{st}}$  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 2<sup>nd</sup> gear by placing the toe on the underside of gear pedal and lift upwards.

• This sequence is repeated progressively to shift to 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> gear.



# ( CAUTION

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

#### **BRAKING**

#### Anti-lock braking system (ABS)

This model is equipped with a Dual-channel ABS which enhances active safety by helping to prevent both the wheels from locking during braking.

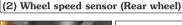
ABS is designed to meet two essential requirements during every brake application:

- To help provide vehicle stability.
- To help maintain steering control and maneuverability—on road surfaces.

The ABS system is self-regulating and always active once vehicle speed exceeds 5 km/h provided ABS indicator lamp is "OFF" on the meter console.



(1) Wheel speed sensor (Front wheel)







(3) Hydraulic electronic control unit (HECU) (4) ABS indicator

 The ABS controller acts on the basis of the comparative speeds of the wheels. The use of non-approved tyres can affect the speed of the wheels and supply incorrect information to the ABS computer.

The system has a wheel speed sensor on both • the wheels (1) & (2), a hydraulic electronic control unit (HECU) (3), and an ABS indicator lamp (4) on meter console.

Whenever you ride your vehicle. Wheel **speed sensor** generates the rotation of wheel signal to Hydraulic electronic control unit • (**HECU**). Then HECU calculates the speed of the wheel & vehicle, HECU becomes active . when vehicle speed exceeds 5 km/h.

Now whenever you will apply front or rear brake, ABS will come into picture based on the • input from respective wheel speed sensor, if wheel is getting locked, HECU will modulate the pressure at respective caliper thus avoiding wheel to lock and in turn resulting in safe stop of the vehicle.

#### Do's and Dont's Do's

- Check your brake pads and be sure you have clean brake fluid. ABS systems can also fail due to worn brake pads or air or dirt in brake Don't's fluid.
- Use the recommended brake fluid.
- Rider is recommended not to ride at high speed when the brakes get wet. If brake gets wet, apply the brake while riding at low speed until the brakes are dry.
- It is recommended that ABS should be serviced at Authorised Distributor/Dealer.
- Read your owner's manual for additional riding instructions.

- Carefully remove the wheel during the puncture/tyre replacement to prevent the Sensor ring damage/bend.
- Use only the recommended make, type, size of tyre and maintain specified tyre pressure (page 8).
- Keep checking speedometer. In case of ABS malfunction, speed display may go to zero.
- Always maintain sufficient distance from the objects/vehicles ahead, for proper braking and to match riding speed.
- On certain surfaces, such as rough road or gravel road, brake lever may have hard/ pulsating feel. Apply full braking on the lever even on the hard or pulsating feel of the lever to get the optimum performance.
- In case of ABS malfunction, the brake system will work as conventional (Non-ABS) brake. Rider is recommended not to apply hard brake to prevent wheel lock and visit Authorised Distributor/Dealer.

- Don't panic by mechanical noises or slight lever pulses while applying the brake (whenever ABS actuates) in vehicle. These conditions are normal and indicates that ABS is working.
- Don't apply the hard braking in wet or rainy conditions and while taking a turn.
- Do not adjust the wheel speed sensor air gap by yourself.
- Do not attempt to correct the encoder teeth by bending manually or by using any other mode. Do not use a different encoder teeth.

- · Do not insert any metallic part near wheel PARKING speed sensor.
- Don't try to service HECU or open to separate the parts.
- Don't use the non-genuine spares like pads. discs, tures etc.

#### NOTE

- · ABS may get activated without brake application while riding on uneven road surfaces (sharp drop or rise on the road level). This is normal functioning of ABS and won't be having any impact on performance.
- · ABS may not work if the battery is discharged.
- · ABS operation is also affected by road conditions, vehicle handling and brake operation. It is the rider's responsibility to ride at reasonable speed and to leave a margin of safety.
- ABS consists of an electric motor, from which sound can be heard.

## **WARNING**

- During extreme riding conditions, sometimes it is not possible to balance the vehicle (example- luggage loaded with higher center of gravity, varying road surfaces, hard braking without disengaging the gear).
- Adapt your riding style to the road conditions and your riding ability as well.

After stopping the vehicle, shift the transmission to neutral, turn the ignition switch "OFF" (\omega), 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 on side stand engage the first gear.

#### TOOL KIT

The tool kit (1) is located below the seat. Some emergency repairs, minor adjustment and parts replacement can be performed with the tools contained in the kit.

Kit consists of following tool:

- Tool bag (2) To keep all the tool in one place.
- +, No. 2 Driver (3) To tighten/loosen the screw.
- **Grip (4)** To hold the +, No. 2 Driver.
- Box wrench P16x14 (5)-To loosen/ tighten the spark plug.
- **Spanner 12-14 mm (6)-**For clutch cable adjustment and mirror adjustment.
- Pin spanner (7)-To adjust the pre load of rear shock absorber.
- Handle pin spanner (8)-To hold the pin spanner.

- Fuse puller (9)-To remove the fuse from (2) Tool bag the vehicle.
- Spanner 8-10 mm (10)-For throttle cable free play adjustment
- Allen key 5 mm (11)-For seat, battery cover and frame cover removal.



(1) Tool kit



- (3) +, No. 2 Driver
- (4) Grip
- (5) Box wrench P16x14
- (6) Spanner 12-14 mm
- (7) Pin spanner
- (8) Handle pin spanner
- (9) Fuse puller
- (10) Spanner 8-10 mm
- (11) Allen key 5 mm

#### FIRST AID KIT

The first aid kit (1) is located below the seat. For some emergency first aid can be performed by medicine contained in the kit. Kit contains the following items:

- Anticeptic cream 1 No.
- Sterilised dressing-1 No.
- Water proof plaster-1 No.
- Elastic bandage-1 No.
- Gauze (Rolled bandage) 1 No.
- Sterilised elastic plaster-1 No.
- First aid bag-1 No.
- Hemostatic agent-1 No.



(1) First aid kit

#### CLEANING AND WASHING OF VEHICLE

Follow the below mentioned steps for washing the vehicle.

- Wet the vehicle with light water spray. Avoid directing high pressure water spray to meter console, muffler outlets, electrical parts and oil cooler.
- Clean the headlamp lens and other plastic parts using a cloth or sponge dampened with a solution of mild detergent and water.
- After cleaning spray water thoroughly.
- Dry the vehicle by wiping with dry soft cloth.

# WARNING

Avoid direct high pressure water spray on any electrical, electronic components and oil cooler.

#### NOTE

- Our Authorized dealerships take all above mentioned precautions like usage of recommended detergents to ensure quality wash.
- While washing the vehicle, it is recommended to take necessary precaution to avoid damage to oil cooler and water entry into muffler.

#### MAINTENANCE

#### The 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 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.

# /I 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.

# /I 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 Distributor/Dealer 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 55) at each scheduled maintenance period.

I: INSPECT C: CLEAN R: REPLACE A: ADJUST (IF REQUIRED) 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 12 months or 10000 km from the date of previous service, whichever is earlier.

To be serviced by your Authorized Hero MotoCorp 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**: Service more frequently if the vehicle is ridden in unusually wet or dusty areas.

Note-3 : Replace engine oil once in every 10000 km. Top up if the oil level is at or near the lower level mark.

Note-4 : Strainer cleaning has to be ensured at defined frequency at 1st Service and all service at 10000 km frequency.

Engine oil filter to replaced at 1st Service and in every 10000 km.

Note-5 : Visit Authorised Distributor/Dealer for inspection, cleaning, lubrication and adjustment of drive chain at every 1000 km or as required.

Note-6 : Replace brake fluid once in every two years or 30000 km, whichever is earlier.

Note-7 : Inspect & maintain specified torque.

**Note-8**: Inspect the bearings free play, replace if necessary.

Note-9: Inspect, replace if necessary/damaged, Replace the tyre as per tread wear indicator (TWI).

Note-10: Replace rubber washer once in every 2 years or 10000 km.

Note-11: Replace front fork oil once in every 2 years or 30000 km, whichever is earlier.

Note - 12: Inspect rear suspension mounting bushes play, replace rear shock absorber if necessary.

Note-13: Check CO emission at idle, to be followed Govt. regulation (PUC).

Note-14: Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages.

Note-15: Clean the Magnetic Drain Plug bolt tip in every 10000 km/during oil change/oil replace if any damages.

• Service more frequently if the vehicle is ridden in wet or dusty areas.

• Service more frequently if the vehicle is ridden in rain or at full throttle.

 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.

		SERVICE	1"	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	
	ITEMS	DAYS	1st 60	Next 180	Next 180	Next 180	Next 180	Next 180	
		KM Note-2	500-750	6000-6500	12000-12500	18000-18500	24000-24500	30000-30500	
	Fuel Line		I	I	I	I	I	I	
1	Throttle Operation		I, A	I, A	I, A	I, A	I, A	I, A	
1	Air Cleaner Element	Note-2	I	I	I	I	R	R	
	Spark Plug		I, C, A	I, C, A	I, C, A	I,C,A	R	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	
1	Engine Oil Strainer Screen	Note-4	С		С		С		
×	Engine Oil Filter		R		R		R		
Г	Electric Starter		I	I	I	I	I	I	
	Oil Pressure Indicator		I	I	I	I	I	I	
×	Drive Chain	Note-5	I	I	I	I	I	I	
	Drive Chain Slider		I, C, L, A at every 1000 km			I, C, L, A at every 1000 km			
	Battery Voltage		I	I	I	I	I	I	
	Brake Pad Wear		I	I	I	I	I	I	
×	Brake System & Brake Pedal		I	I	I	I	I	I	
*	Brake System & Brake Pedal Pivot		I, C, L	I, C, L	I, C, L	I, C, L	I, C, L	I, C, L	

ITEMS		SERVICE	1*	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>
		DAYS	1st 60	Next 180	Next 180	Next 180	Next 180	Next 180
		KM Note-2	500-750	6000-6500	12000-12500	18000-18500	24000-24500	30000-30500
	Brake Fluid	Note-6	I	I	I	I	I	R
×	Headlamp Focus		I,A	I,A	I,A	I,A	I,A	I,A
×	Stop Lamp Switch		I	I	I	I	I	I
	Clutch Free Play		I,A	I,A	I,A	I,A	I,A	I,A
	Side Stand/Main Stand (optional)		L	L	L	L	L	L
	Side Stand Switch		I, C	I, C	I, C	I, C	I, C	I, C
`	Nut, Bolts, Fasteners & Grommets	Note-7	I	I	I, R (If required)	I	I, R (If required)	I
*	Wheel Bearings and Flange Bearing	Note-8	I	I	I	I	I	I
×	Wheels Cast	Note-9	I	I	I	I	I	I
×	Wheels Spoke (Spoke variant)	Note-9	I	I, C, A	I, C, A	I, C, A	I, C, A	I, C, A
×	Tyre	Note-9	I	I, A	I, L, A	I, L, A	I, L, A	I, L, A
1	Steering Head Bearing	Note-10	I	I, A	I, L, A	I, A	I, L, A	I, L, A
×	Front Suspension/Oil	Note-11	I	I	I	I	I	I
1	Rear Suspension	Note-12	I	I	I	I	I	I
×	Muffler (Catalytic Converter)	Note-13		I, E	I, E	I, E	I, E	I, E
1	Evaporative Emission Control System	Note-14	I	I	I	I	I	I
×	Magnetic Drain Plug bolt tip	Note-15	С		С		С	
×	Fuel Filter (External)						R	R

# SPARK PLUG INSPECTION Recommended plugs: Federal Mogul REK6YC

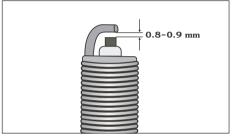
For most riding conditions this spark plug heat range number is satisfactory. However, if the vehicle is going to be operated for extended periods at high speeds or near maximum power in hot climates, the spark plug should be changed to a cold heat range number, consult Authorised Distributor/Dealer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

- Clean 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 baq.



(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 after the plug seats, with a spark plug box 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
- Never use a spark plug with improper heat range.
- Install a dummy spark plug in the cylinder head and test for spark.
- Always use resistor type spark plug.

#### ENGINE OIL

Use hero genuine engine oil or recommended grade oil.

#### **BRAND:** Hero Xotic+

GRADE: 100% Synthetic SAE 15W 50

Manufactured by (recommended):

- Indian Oil Corporation Limited.
- Savita Oil Technologies Limited.

OIL CAPACITY: 2.6 litres (at disassembly)
: 2.25 litres (at draining)

# Engine oil level inspection/

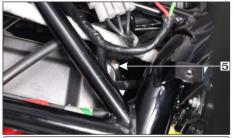
#### Top up process

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 upper (2) and lower (3) level marks on the oil level window.



- (1) Oil level dipstick (3) Lower level mark
- (2) Upper level mark (4) Oil filler cap

- Add the specified oil by removing the oil filler cap (4) and filling till the upper level mark (2). Do not overfill.
- Do top up if oil level reaches towards the lower level mark or every 5000 km whichever is earlier.
- Park the vehicle on its main stand (optional).
- 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.



(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 upper level mark. Do not overfill.

 Reinstall oil filler cap with new O-ring and check for oil leaks.

# Engine oil replacement/Oil circulation inspection

- Start the engine, warm it up for several minutes and then turn it off.
- Wait a few minutes until the oil settles down.
- To drain the oil, remove the oil filler cap, drain bolt (6) and sealing washer (7).



(6) Drain bolt

(7) Sealing washer

- After the oil is completely drained, reinstall the drain bolt (6) with a new sealing washer (7).
- Fill the crankcase through the oil filler hole with 2.25 litres (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 and let the engine oil settle down.
- Recheck the oil level.
- Make sure that oil level is at the "UPPER" level mark of the oil level window with the vehicle in an upright position and that there are no oil leaks

# ( CAUTION

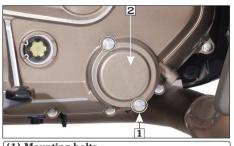
- Engine oil is a major factor affecting the performance and service life of the engine.
   Non-detergent, vegetable or castor based racing oils are not recommended.
- Running the engine with insufficient oil can cause serious engine damage.
- Running the engine with excessive oil can cause spark plug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

#### **ENGINE OIL FILTER ELEMENT**

# NOTE

Drain the engine oil thoroughly (page 64) in case of engine oil filter element replacement.

- Remove the two 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 is 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.

#### ENGINE OIL COOLER



(1) Engine oil cooler

### CAUTION

- No hard objects to be used for cleaning the engine oil cooler (1), otherwise the fins will get damaged.
- No high pressure washing of the oil cooler as it may damaged the fins, any physical contact with fins is to be avoided.
- Avoid keeping any cloth or flammable object between hot parts (muffler, oil cooler, engine).

#### AIR CLEANER

#### Air cleaner element inspection

Refer to the safety precautions (page 64).

The air cleaner element is of wet paper pleated type, it should be serviced at specified intervals (page 65). Service more frequently when riding in unusually wet or dusty areas.

• Remove the right side cover allen key screws (1) and side cover (2) by reales the lug from the grommet.



- (1) Right side cover screws
- (2) Side cover
- Remove the four air cleaner cover screws (3) and remove the air cleaner cover (4).

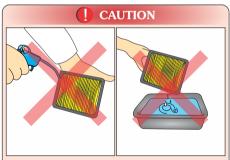


- (3) Screws
- (4) Air cleaner cover

• Remove the air cleaner element (5) from air cleaner housing (6).



(5) Air cleaner element (6) Air cleaner housing



- Never wash or clean the wet, paper pleated type filter. Replace filter element once in every 10000 km.
- Replace it earlier if it becomes very dirty, damaged on surface or on the sealing area.

- Install the air cleaner element.
- Install the air cleaner element cover.
- Install the right side cover.

#### Air cleaner drain tube 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

# NOTE

Always ensure to reinstall the drain tube after draining the deposit.

#### VALVE CLEARANCE

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 an Authorised Distributor/Dealerat the intervals specified in the maintenance schedule (page 65).

# 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 10-15 mm at the lever (2).



(1) Free play: 10-15 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 the vehicle does not creep. Gradually release the clutch lever and open the throttle. The vehicle should start smoothly and accelerate.

# NOTE

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

#### 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.

# THROTTLE OPERATION Cable inspection

Check for smooth rotation of the throttle grip from the fully open to the fully closed position. Check at full left and full right steering positions. Inspect the condition of the throttle cable from the throttle grip down to the throttle body. If the cable is kinked, chafed or improperly routed, it should be replaced or rerouted. Standard throttle grip free play (1) is approximately 1–3 mm of grip rotation.



(1) Free play: 1-3 mm

#### Free play adjustment

To adjust the free play, remove the fuel tank then loosen the lock nut (2). Turn the adjuster (3) towards direction "A" or "B" to adjust free play. After adjustment, tighten the lock nut.



(2) Lock nut (3) Adjuster (A) Decrease free play (B) Increase free play

#### 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 55). Under severe usage, or when the vehicle is ridden in unusually dusty areas, more frequent maintenance will be necessary.

#### Inspection

- Turn the engine "OFF", park the vehicle on its main stand (optional) and shift the transmission to neutral.
- Drive chain slack (2) should be checked in the lower run midway between the sprockets. Move the drive chain up and down by hand and chain slack should be adjusted to 20-25 mm vertical movement by hand.



- (1) Drive chain (2) Drive chain slack: 20-25 mm
- Rotate the wheel and check the drive chain slack. Repeat this procedure several times. Drive chain slack should remain constant (20-25 mm). If the chain is slack only in certain sections, some links are kinked or binding. Binding and kinking can be eliminated by frequent lubrication.

#### NOTE

Drive chain slack should be adjusted at your Authorised Distributor/Dealeras per the specification.

 Rotate the rear wheel slowly and inspect the drive chain and sprockets for any of the following conditions.

#### Drive chain

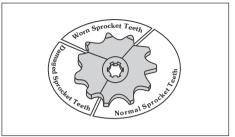
- Damaged rollers
- Loose pins
- Dry or rusted links
- Kinked or binding links
- Excessive wear
- Improper adjustment
- Damaged or missing O-rings

#### **Sprockets**

- Excessively worn teeth.
- Broken or damaged teeth.
- If the drive chain has damaged rollers, loose links or missing O-rings, replace it. If the chain is dry or rusted, it should be lubricated.

Lubricate the chain if the links are kinked or binding. If the problem is not solved after lubrication, replace the chain.

If the drive chain or sprockets are excessively worn or damaged, they should be replaced.



# ( CAUTION

Always replace the drive chain and sprockets as a set. Otherwise the new part will wear prematurely.

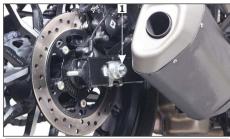
#### Adjustment

Drive chain slack should be checked and adjusted, if necessary at every 1000 km.

When operated at sustained high speeds or under conditions of frequent rapid acceleration, the chain may require more frequent adjustments.

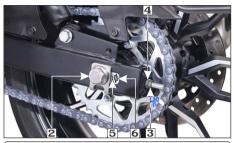
If the drive chain requires adjustment, follow the procedures below:

- Park the vehicle on its main stand (optional) with the transmission in neutral and the ignition switch in "OFF" position.
- Loosen the rear axle nut (1).



(1) Rear axle nut

- Loosen the drive chain lock nut (3) from both side.
- Turn the adjusting nut (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.
- Align the chain adjuster index mark (5) with the rear edge (6) of the adjusting slots on both sides of the swingarm equally.



(2) Axle

(3) Drive chain lock nut

- (4) Drive chain adjusting nut (5) Index mark (6) Rear edge of adjusting slot
- Tighten the rear axle nut.

# Torque: 11 kgf-m

- · Check the drive chain slack again.
- If after adjustment of drive chain slack, axle
   (2) touches to the rear edge of adjustment slot (6). Chain kit has to be replaced.
- Tighten the drive chain lock nut.

# / WARNING

If a torque wrench is not used for installation, see your Authorised Distributor/Dealer as soon as possible to check for proper assembly.

#### **Cleaning and Lubrication**

Lubricate every 1000 km or sooner if the chain appears dry.

- Turn the engine off, park the vehicle on its main stand and shift the transmission into neutral. Open side stand to facilitate cleaning.
- Spray a commercially available chain cleaner for cleaning the drive chain over its entire length.

#### NOTE

Ensure that the chain cleaner and lubricant used is the one recommended for use on an O-ring chain, otherwise the O-rings may deteriorate, fail and lose their sealing properties.

- Rotate the rear wheel backwards to expose the next section of the drive chain and repeat second step until all of the drive chain is cleaned.
- Let the spray dry for about five minutes.
- To remove stubborn dirt, scrub the rollers and side plates with soft nylon brush.
- Apply SAE 90 grade oil on the hanger side of the entire length of the chain using an oil can.
- Wait for 7-10 minutes for penetration of lubricant inside the bush and roller wipe the excessive lubricant from the chain and near by parts using a clean rag.

#### NOTE

Excessive lubricant if not wiped off, will aid in accumulation of dust, sand and dirt on the drive chain, increasing its wear and will also be sprayed on the vehicle as well due to chain movement.

# ( CAUTION

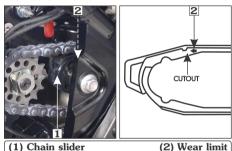
- Steam cleaning, high pressure washers and certain solvents can damage the drive chain O-rings.
- While lubricating and cleaning hold the rear wheel with one hand to prevent the possibility of your finger being trapped between the chain and sprocket.
- Clean and lubricate the chain, whenever possible, after riding the vehicle under rain or in terrain with excessive dust, mud or sand.
- The drive chain is fitted with O-rings between the link plates. These O-rings retain grease inside the chain to improve its service life. However, special precautions must be taken when adjusting, lubricating, washing and replacing the chain.
- If the chain is excessively dirty, it should be removed and cleaned before lubrication. For your own safety, we recommend that service be performed by an Authorised Distributor/Dealer

#### DRIVE CHAIN SLIDER INSPECTION

(Refer to "Maintenance Schedule" on **page 65**).

Check the chain slider (1) for wear, The chain slider must be replaced if wear limit (2) is reached.

For replacement, see your Authorised Distributor/Dealer.



#### **BRAKES**

Refer to the safety precautions on (page 64).

(a) Front brake

Master Cylinder/Reservoir (1)

**Location**: Right handlebar.

Brake fluid recommended:

DoT-4

**Fluid level** - Ensure that the brake fluid level does not fall below "MIN" (minimum) mark (2) on 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 the leakages in the brake system and consult your Authorised Distributor/Dealer.



- (1) Master cylinder/Reservoir
- (2) MIN mark



- (3) Front brake caliper
- (5) Disc

(4) Brake pad

#### NOTE

- Clean the dirt and mud accumulation between the front brake caliper (3), brake pads (4) and the disc (5) by using a water jet.
- Always contact your Authorised Distributor/Dealerfor refilling of master cylinder/reservoir when necessary.
- Always use recommended tyres (page 8) for better braking performance.

#### (b) Rear brake

Refer to the safety precautions on **(page 64)**. Reservoir **(1)** 

**Location:** Near right side pillion footrest.

Brake fluid recommended:

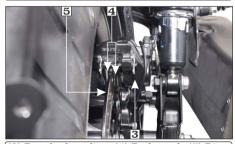
DoT-4.

Fluid level – Ensure that the brake fluid level does not fall below "MIN" mark (2) on the reservoir parallel to the ground. The level decreases gradually due to piston movement to compensate pad wear. If the level decreases abruptly, check for the leakages in the brake system and consult your Authorised Distributor/Dealer.



(1) Reservoir

(2) "MIN" mark



(3) Rear brake caliper (4) Brake pads (5) Disc

# NOTE

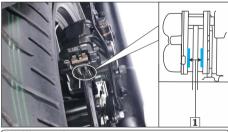
- Clean the dirt and mud accumulation between the rear brake caliper (3), brake pads (4) and the disc (5) by using a water jet.
- Always contact your Authorised Distributor/Dealerfor refilling of reservoir when necessary.

### (c) Brake pad wear

Brake pad wear depends upon the severity of usage, type of riding & road conditions. Generally, the pads will wear faster on wet & dirty roads. Inspect the pads as per maintenance schedule, however more frequent inspection is recommended if used in wet and dirty roads.

#### Front brake

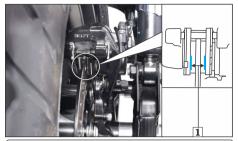
- Check the brake pads for wear by examining the wear indicator groove (1) on each pad.
- If either pad is worn to the bottom of the grooves replace both pads as a set. Visit your Authorised Distributor/Dealer for this service.



(1) Wear indicator groove

#### Rear brake

Check the wear indicator groove (1) in each pad. If either pad is worn to the bottom of the groove, replace both as a set. Visit your Authorised Distributor/Dealer for this service.



(1) Wear indicator groove

# / WARNING

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

#### **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 General

Rear shock absorber pre-load adjustment can be made in any position from 1st to 7th, according to the load/road conditions or owner's requirement.

Recommend Adjustment		
Riding Condition	Position	
Solo rider 😥	2nd position	
Rider + Pillion 🕡 🕡 🯐 (with or without luggage)	7th position (max preload)	

- In direction A: Hard
- In direction B: Soft

# / WARNING

Adjust both shock absorbers equally. Improper adjustment can adversely affect stability and handling, which could result in death or serious injury.

### NOTE

- The total payload (total weight of rider, pillion & accessories etc.) on the vehicle should not exceed 150 kgs.
- Adjustment position should be set same on the left & right rear shock absorber.
- Do not adjust the positions from 1st to 7th or 7th to 1st directly.

To adjust the rear shock absorber (1), use the rear shock absorber adjustment tool [(Pin spanner) (2) with handle (3)] available in the tool kit.



- (1) Rear shock absorber
- (2) Pin spanner
- (3) Pin spanner handle

(A) Hard

# (B) Soft

#### WHEEL.

#### (a) Front wheel

#### Removal

Refer to the safety precautions on (page 64).

- Support the vehicle securely on the main stand (optional) and raise the front wheel off the ground.
- Remove the wheel speed sensor allen key bolt (1) from right fork leg and disconnect the wheel speed sensor (2).
- Loosen the front fork side allen key bolts (3).
- Remove the front axle allen key nut (4) and wheel.





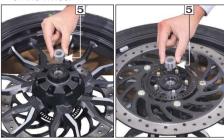
- (1) Wheel speed sensor allen key bolt
- (2) Wheel speed sensor
- (3) Side allen key bolts
- (4) Front axle allen key nut



#### **CAUTION**

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

 Remove the side collars (5) from both sides of the wheel.



(5) Side collars

#### Installation

- Install the side collars (1) to both sides of the wheel hub.
- Insert the disc (2) between the pads in the caliper assembly (3). When installing the wheel, carefully fit the brake disc between the brake pads to avoid damage to the pads.
- Tighten the front axle allen key nut (4) to the specified torque.

# TORQUE: 6.8 kgf-m

- Tighten the front fork side allen key bolts (5)
- Install the wheel speed sensor (6) and tighten the allen key bolt (7).
- 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.



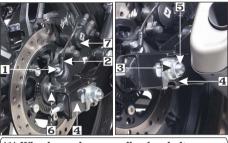


- (1) Side collar
- (2) Disc
- (3) Caliper
- (4) Front axle allen key nut
- (5) Side allen key bolts
- (6) Wheel speed sensor
- (7) Wheel speed sensor allen key bolt

#### (b) Rear wheel Removal

Refer safety precautions on (page 64).

- Support the vehicle securely on the main stand and raise the rear wheel off the ground.
- Remove the wheel speed sensor allen key bolt (1) and disconnect the wheel speed sensor (2) cable.
- Remove the rear axle nut (3) and washer (4).
- Remove the axle (5) and the right side collar (6).
- Move the caliper assembly (7) upwards.
- · Slide the wheel out from right side.



- (1) Wheel speed sensor allen key bolt
- (2) Wheel speed sensor
- (3) Rear axle nut
- (4) Washer
- (5) Axle
- (6) Side collar
- (7) Caliper assembly

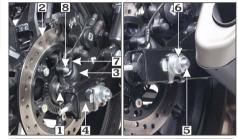
#### Installation

- Install the side collar (1) to the right side of the wheel hub.
- Position the rear wheel between the swingarm.
- Insert the disc (2) between the pads in the caliper assembly. When installing the wheel, carefully fit the brake disc between the brake pads to avoid damage to the pads.
- Align the rear caliper holder (3) with the swingarm (4).
- Insert the axle (5) from the left side through the swingarm, wheel hub, collar and rear caliper holder.

• Tighten the rear axle nut (6) to the specified torque.

# TORQUE: 11 kgf-m

- Install the wheel speed sensor (7) and tighten the allen key bolt (8).
- Adjust the drive chain slack (page 79).



- (1) Side collar
- (2) Disc
- (3) Caliper holder
- (4) Swingarm
- (5) Rear axle (6) Rear axle nut
- (7) Wheel speed sensor
- (8) Wheel speed sensor allen key bolt

# MAIN STAND (OPTIONAL)/ SIDE STAND LUBRICATION

- Park the vehicle on the 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.
- Lubricate the side stand.
- Make sure the main/side stand is not bent.



(1) Main stand

(2) Side stand

#### **TUBELESS TYRES**

The tyres fitted on your vehicles 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.

# / 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 a air pressure gauge (1) to measure air pressure at least once a month or any time you think the tyres pressure might be low.



#### (1) Air pressure gauge

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. 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:

Front	Rear
27 psi	29 psi

# ( CAUTION

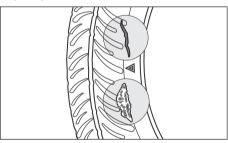
Over inflation/Under inflation will affect the performance.

#### Inspection

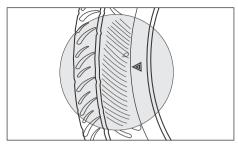
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects.

#### 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.



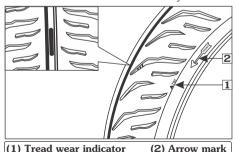
• Carefully inspect the tyres for any damage, if the vehicle hits a pothole or hard object.

#### Tread wear

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

#### **MINIMUM TREAD DEPTH:**

Front: 0.8 mm Rear: 0.8 mm Check the tread wear indicator for tyre wear.



### **Unidirectional tyres**

Whenever the tyre is removed and put back 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, Hero MotoCorp authorised, Distributor/Dealer or the tyre repair shop who has expertise in repairing methods of 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

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.

The recommended tyre for your vehicle are:

Front	110/70-17 54H TL
Rear	150/60 ZR-17 66W TL

## NOTE

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

# / 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.

#### 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 tubetype tyre could slip on the rim and cause the tyre to rapidly deflate.

#### **NUTS, BOLTS & FASTENERS**

- Tighten bolts and nuts as per 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 64).

#### Location

The battery is located below the seat.

### **Specification**

\*MF Battery 12V-8Ah/ETZ-9

It is not necessary to check the battery electrolyte level or add distilled water as the battery is a **Maintenance-Free** (sealed) type. If your battery seems weak and/or electrolyte is leaking (causing hard starting or other electrical troubles), contact your Authorised Distributor/Dealer.

\*MF stands for Maintenance Free

# 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 additional 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 than two months, ensure to fully charge the battery once in 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 (page 54).
- Remove the battery cover (1) by removing the four allen key bolts (2).



(1) Battery cover

(2) Allen key bolts

 Disconnect the (-)ve terminal lead (3) from the battery first, then disconnect the (+)ve terminal lead (4).



• Pullout the battery (5) from the battery box.



(5) Battery

### **Battery installation**

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

# NOTE

During battery installation, always assemble the battery carefully so that +ve terminal should be always fitted on the designated harness terminal.

#### **FUSE REPLACEMENT**

Refer to the safety precautions on (page 64).

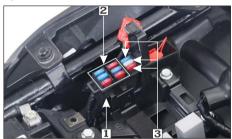
Fuse box (1)

**Location:** Below the seat.

Fuse type: Blade fuse

Main fuse (2): 15A x3 nos. & 10A x3 nos.

Spare fuse (3): 15A,10A, 25A



(1) Fuse box

(2) Main fuse : 15Ax3 nos. & 10Ax3 nos.

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

Starter magnetic switch (4)

**Location**: Below the battery.

Fuse type: Blade fuse

Remove the water protector cover (5).

Main fuse (6) : 25A



- (4) Starter magnetic switch
- (5) Water protector cover (6) Main fuse: 25A

# / 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.
- Battery gives off explosive gases. Keep sparks, flames & cigarettes away.

# ( CAUTION

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

#### **GOOD FUSE**

#### **BLOWN FUSE**



#### HEADLAMP FOCUS ADJUSTMENT

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

- Headlamp adjustment is done by loosening the bolt (1) located below the headlamp.
- Park the vehicle on it main stand (optional) on level ground.
- Turn the ignition switch to "ON" position (Ω) and start the engine.
- Adjust the headlamp beam by loosening the bolt (1) and moving the headlamp unit forward and backward for correct focus adjustment.
- Tighten the bolt after 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 a 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 gasses without affecting the metals. The catalytic converter acts on HC, CO and NOx. 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 come 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.



(1) Catalytic converter

# CAUTION

Avoid keeping any cloth or flammable object between or around hot parts (such as muffler, oil cooler, engine).

# 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.

The canister (1) collects the fuel vapour from the fuel tank and then the fuel vapour is drawn into the engine for re-burning to avoid pollution caused by the fuel vapour diffused into the air.



(1) Canister

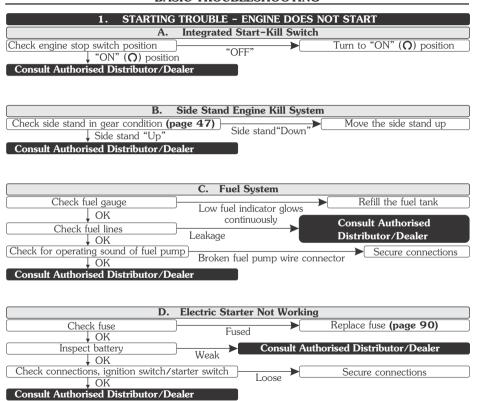
#### **POLISHING OF VEHICLE**

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.

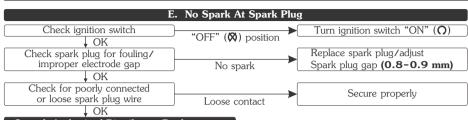
# NOTE

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

#### **BASIC TROUBLESHOOTING**

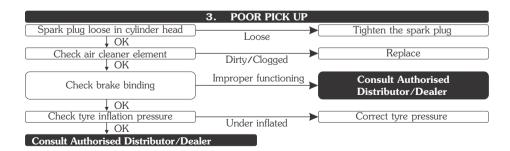


#### **BASIC TROUBLESHOOTING**

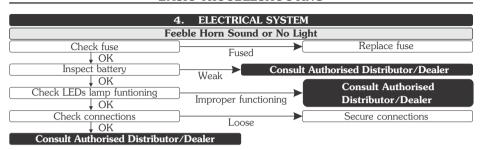


Consult Authorised Distributor/Dealer



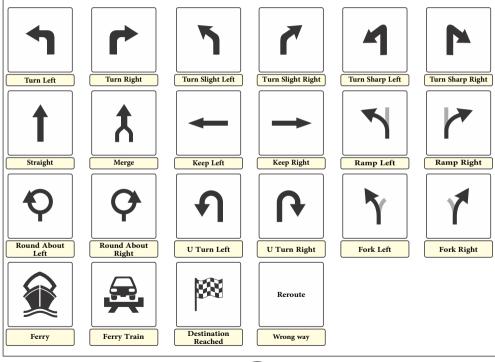


#### **BASIC TROUBLESHOOTING**



### **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.



### **DELIVERY CERTIFICATE**

I certify having taken delivery of one Hero MotoCorp **HUNK 440** 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.	Standa	ard Acces	sories (optional a	accessories is/are chargeable)	
5.	Batter	У	Make	Sr. No	
6.	Tyre	Front	Make	Sr. No	
		Rear	Make	Sr. No	
hav	e unders	tood all ter	ms and conditions	of resh conditions to my satisfaction & of warranty and shall abide by them.	
Cus	stomer's	s Address	S		
Cus	stomer's	s Signatu	re		
Aut	horised	Distribu	tor/Dealer Nan	ne	
Aut	horised	l Distribu	tor/Dealer Add	ress	

#### **Details of Tool kit**

 Tool bag +, - No. 2 Driver., Grip., Box wrench P16x14., Spanner 12-14 mm Pin spanner., Handle pin spanner., Fuse puller., Spanner 8-10 mm., Allen key 5 mm



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Authorised Distributor/Dealer copy



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4.	Standa	ard Acces	sories <b>(optiona</b>	l accessories is/are chargeable)	
5.	Batter	У	Make	Sr. No	
6.	Tyre	Front	Make	Sr. No	
		Rear	Make	Sr. No	
have <b>Cus</b>	e unders stomer's	tood all ter <b>s Name</b> _	ms and condition	ory fresh conditions to my satisfaction & I ons of warranty and shall abide by them.	
Cus	stomer's	s Address	S		
Cus	stomer's	s Signatu	re		
Aut	horised	l Distribu	tor/Dealer N	ame	
Aut	horised	Distribu	tor/Dealer A	ddress	

#### **Details of Tool kit**

• Tool bag +, - No. 2 Driver., Grip., Box wrench P16x14., Spanner 12-14 mm Pin spanner., Handle pin spanner., Fuse puller., Spanner 8-10 mm., Allen key 5 mm



### 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
• Improper sealing • Engine knocking • Leads to leakage and smoky exhaust • Higher emission level	



# CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

• Improper air filtration resulting in premature engine fai • Affects fuel efficiency • Poor engine performance	
<ul> <li>Spark Plug</li> <li>Frequent stalling of engine</li> <li>Higher emission level</li> <li>Poor engine performance</li> <li>Affects fuel efficiency</li> </ul>	
Brake Pads/Shoes	<ul> <li>Poor braking efficiency</li> <li>Rider safety-an issue</li> <li>Discs/Drum wear out, resulting in subsequent repair cost</li> </ul>
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.
- Service more frequently if the vehicle is ridden in unusually wet or dusty areas.
- At higher odometer readings, repeat the frequency interval established here.
- Clean air cleaner element at every service (replace at every 12000 km).
- Inspect, clean the spark plug at every service, adjust if necessary. (replace at every 12000 km).
- Inspect and adjust the valve clearance at 1st service and then at every 12000 km.
- Engine oil top up or change as per the maintenance schedule.
- Replace engine oil once in every 10000 km. Top up if the oil level is at or near the lower level mark.
- Engine oil filter to replaced at 1st Service and in every 10000 km.
- Inspect electric starter operation at every service.
- Inspect oil pressure indicator at every service.
- Inspect, clean, lubricate and adjust the drive chain at every 1000 km.
- · Inspect the drive chain slider.
- Inspect battery voltage at every service and charge if required.
- · Inspect brake pad wear at every service.
- Clean and lubricate brake pedal at every 6000 km.
- Inspect brake fluid level at every service (replace at 30000 km or 2 year whichever is earlier).
- 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.
- Lubricate the side stand and main stand (optional) at every service.
- Inspect the side stand switch at every service.
- Inspect nut, bolts, fastener, grommets and tighten to the specified torque (if required).
- Inspect the wheel bearings and flange bearing free play, replace if necessary.
- Inspect wheels/tyres. Inflate tyre to specified pressure at every service.
- · Inspect steering for smooth operation, adjust 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.
- Check CO emission at idle.
- Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages at every service.
- Clean the Magnetic Drain Plug bolt tip in every 10000 km/during oil change/oil replace if any damages.
- Visit Authorised Distributor/Dealer for inspection, cleaning, lubrication and adjustment of drive chain at every 1000 km or as required.
- 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	Mi/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				
Х	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	Mi/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	Mi/Km	Advice	Authorised Distributor/Dealer (Sig. & Stamp)	Completion Dt.
	Job Card No.			Job Card No.



# 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 / DEALE	FR .				

AUTHORISED DISTRIBUTOR/DEALER STAMP AND SIGNATURE