# ROYAL OWNER'S MANUAL

**ROYAL ENFIELD** 



# Royal Enfield Support **1800-210-0007**

- 1. Roadside Assistance
- 2. Product Updates
- 3. Feedback
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To access dealer details scan the OR code



#### **FOREWORD**

Congratulations!

Now you are a part of an unparalleled heritage in motorcycling, owning a Royal Enfield, the world's oldest motorcycle marque in continuous production.

The Meteor is our new cruiser, easy on those long open highways, as it is in tight traffic situations. Fitted with our new 349 cc air-oil-cooled engine on a completely new frame, the motorcycle is designed for a more refined performance, confident handling & a comfortable ride, be it on long adventures or quick urban jaunts. A quintessential Royal Enfield, the Meteor, redolent with classic design cues, retains the signature exhaust note and gloriously blends timeless aesthetics with contemporary motorcycling needs.

This manual is to help you operate your motorcycle and guide you to maintain it in the right way. Please do avail all the services at your nearest Authorised Service Centre ensuring your motorcycle gets the care it is meant to. Do read through the terms and conditions of warranty and other useful information given in this manual before your fun ride begins.

Keep riding pure.

 $For support and information please call 1800\,210\,0007\, any time \, between\,9\,AM\, and\,9\,PM, any \, day \, of the \, week.$ 

#### **NOTICE**

All information in this manual is based on the latest product information available at the time of publication. Due to continuous improvements, there may be discrepancies between the information in this manual and your motorcycle.

Royal Enfield reserves the right to make production changes at any time without prior notice and without incurring any obligation to make the same or similar changes to motorcycle previously built or sold.

All images shown are for reference to explain and need not to be exactly the same on the model you own. Technical specifications are subject to change without prior notice.

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#### Disclaimer

Following precautions are to be taken, to ensure longer paintlifeofyour motorcycle.

- 1. Do not polish your motorcycle as it decreases gloss.
- 2. Wash only with plain water.
- 3. Scratches or marks cannot be removed or touched up.

Part No. RAMO0244/A / Qty. 1000 / Nov. '2020

#### NOTE:

This motorcycle meets the BS VI Emission Norms.

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The information given under the titles: Warning, Caution and Note are for your safety and for the care and safety to your motorcycle and others. Please read these carefully and if disregarded may result in injury to yourself or others and damages to the motorcycle.



# WARNING

Indicates a potentially hazardous situation. Disregarding this message may result in injury to rider or other persons.

#### **CAUTION**

This message, if disregarded, may result in damage to the motorcycle.

#### NOTE

Indicates important and useful messages for better understanding.

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# PERSONAL AND MOTORCYCLE INFORMATION

Name			
Door No./Street			
Locality/Town			
City	Country		
Contact	Res: Off:		
Contact	Mobile: Email:		
Licence No.	Valid till :		
Model	Color:		
Engine No.			
VIN. No.			
Tyre make	Front: Rear:		
Tyre Nos.	Front: Rear:		
Battery make	Battery No.		
Sold by			
Date of Sale			

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- Before operating your new motorcycle, we request you to carefully read and follow the operating and maintenance instructions detailed in this manual for the safety of your own, your motorcycle, and also that of others.
- Know and adhere to the rules of the road with respect to your driving country.
- Before starting the motorcycle, check for proper operation of brakes, clutch, gear shifter, handle bar controls, tyre pressures, fuel and oil levels, etc.
- Use only genuine Royal Enfield spare parts and approved accessories. Use of other manufacturer's parts may affect the performance of your motorcycle and render the motorcycle void of warranty. Visit your Royal Enfield Authorised Service Centre for details.
- Whenever refueling your motorcycle, please exercise utmost caution and carefully observe the following guidelines.
  - \* Refuel in a well ventilated area with the engine turned off condition.
  - ★ Open the fuel tank cap slowly.
  - ★ Switch OFF mobile phones and other hand held electronic devices.
  - ★ DO NOT smoke and please ensure that there are no open flames or sparks near the motorcycle, when refuelling or servicing the fuel system.

★ DO NOT fill the fuel in tank to its brim. Please fill fuel till the bottom of anti splash plate, so as to leave sufficient air space in the fuel tank to allow for fuel expansion.



#### WARNING

Royal Enfield cautions you against the use of certain nonstandard parts such as aftermarket and custom made extended front forks or suspensions, which may adversely affect performance and handling. Removing or altering original parts may adversely affect performance and could result in accident.

- A new motorcycle must be operated according to the special running-in-procedure. See running-in-procedure mentioned in respective section.
- Operate motorcycle only at moderate speeds and out of traffic until you have become thoroughly familiar with its operation and handling characteristics under all conditions.
- DO NOT exceed the legal speed limit or ride too fast for existing conditions. Always reduce speed when poor riding conditions exist. High speed increases the influence of any other condition affecting stability and increases the possibility of loss of control.

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#### NOTE

If you are an inexperienced rider we recommend that you obtain formal training on correct motorcycle riding techniques and become thoroughly familiar with the operation of your motorcycle. New riders should gain experience under various conditions while driving at moderate speeds.

Pay strict attention to road surfaces and wind conditions. Any motorcycle may be subject to the following upsetting forces:

- ★ Wind blasts from passing vehicles.
- ★ Rough or uneven road surfaces.
- ★ Slippery road surfaces.

These forces may affect the handling characteristics of your motorcycle. If this happens, reduce speed of the motorcycle to a controlled condition. Do not apply brake abruptly.

Operate your motorcycle defensively. Remember that a motorcycle does not afford the same protection as an automobile in an accident. One of the most common accident situations occurs when the rider / driver of the other motorcycle / vehicle fails to see or recognise a motorcycle and turns into the oncoming motorcyclist.

- Wear an approved helmet, clothing, and footwear suited for riding a motorcycle. Bright / light colours are best for greater visibility in traffic, especially at night. Avoid loose, flowing garments and scarves.
- When carrying a pillion rider, it is your responsibility to instruct them on proper riding procedures.
- DO NOT allow other individuals, under any circumstances, to operate your motorcycle unless you know they are experienced, licensed riders and are thoroughly familiar with the operating conditions of your motorcycle.



#### WARNING

- Regularly inspect shockabsorbers and front forks and look for leaks. Replace worn out parts. Worn out parts can adversely affect stability and handling.
- For your personal welfare, all the listed service and maintenance recommendations should be performed. Lack of regular maintenance at the suggested intervals may affect the safe/durability/longevity operation of your motorcycle.

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#### WARNING

- Avoid any contact with the exhaust system when hot. Wear clothing that will completely cover the legs while riding. The exhaust system gets very hot when the engine is running and remains too hot to touch, even after the engine is turned off. Failure to wear proper or protective clothing could result in serious injury.
- Exhaust gas contains poisonous carbon monoxide and chemicals, known to cause cancer, birth defects or other reproductive defects.
- Motorcycle batteries contain lead, acids and chemicals known to cause cancer, birth defects or other reproductive harm. Exercise extreme caution while handling a battery, wash hands thoroughly whenever a battery is handled.



#### WARNING

- Consult your Royal Enfield Authorised Service Centre regarding any questions or problems that occur in the operation of your motorcycle. Failure to do so may aggravate an initial problem, cause costly repairs and jeopardize your personal safety.
- DO NOT tow a motorcycle. The steering and handling of the towed motorcycle will be impaired due to the force of the towline. If a motorcycle must be transported, use a truck or a trailer.
- DO NOT pull a trailer behind a motorcycle. Towing a trailer may cause reduced braking efficiency, tyre overloading and unstable handling, as it may cause loss of control of the motorcycle in the front, leading to an accident.

# **RULES OF THE ROAD**

- Be sure your number plate is installed in the position specified by law and it is clearly visible at all times.
- Ride at a safe speed that is consistent with the type of road surface you are on. Pay strict attention while riding on the following surfaces:
  - **★** Dusty
  - **★** Oily
  - lcy
  - **★** Wet
  - **★** Sand
- Watch for loose debris, such as leaves, slippery substances or gravel that can hamper the stability of your motorcycle.
- Keep to the correct side of the road center line, when meeting oncoming vehicles.

#### **RULES OF THE ROAD**

- Actuate your turn signals and exercise caution when passing other vehicles going in the same direction. Never try to pass another vehicle going in the same direction at street intersections, on curves, or when going up/or down a hill.
- At street intersection give the right-of-way to the motorcycle on your left or right. DO NOT presume you have the right-of-way.
- Adhere to the rules of the road with respect to your country when preparing to stop, turn or pass. While turning either right or left, watch for pedestrians, animals, as well as other vehicles.

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- All traffic signs, including manual controls at intersections, should be obeyed promptly. SLOW DOWN at traffic signs near schools and CAUTION signs at rail road crossings.
- When intending to turn, signal at least 100 feet (30.5 meters) before reaching the turning. Be close to the centre line (unless local rules require otherwise), slow down and then turn carefully.
- Never jump a traffic light. When a change is imminent from GO to STOP (or vice versa) at intersections, slow down and wait for the light to change to green. Never run through a yellow or red traffic light.
- DO NOT leave the curb or parking area without signalling. Be sure your way is clear to enter moving traffic. A moving line of traffic always has the right-of-way.

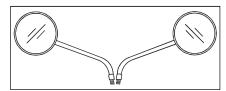


#### **RULES OF THE ROAD**

- When parking the motorcycle, park on a firm and flat surface to prevent it from falling over.
- Protect your motorcycle against theft. After parking your motorcycle, ensure that the steering head is locked and then remove the ignition key.

#### **SIDE VIEW MIRRORS**

Your motorcycle is equipped with convex mirrors and have a curved surface. This type of mirror is designed to give a much wider view of the rear than a normal flat mirror. However, vehicles and other objects seen in this type of mirror will look smaller and farther away than when seen in a flat mirror.



Use care when judging the size or distance of vehicles / objects seen in these mirrors.

#### NOTE

To establish the relative distance of vehicles / objects behind your motorcycle through the mirrors, adjust each mirror in such a way, that a small portion of your shoulder is visible and a large portion behind your motorcycle is seen clearly with reference to your riding posture.

#### **ACCESSORIES AND LUGGAGE**

Royal Enfield offers a range of Genuine Motorcycle Accessories that have been fully approved and extensively tested alongside the motorcycle.

Therefore, the rider must be responsible for safe operation of the motorcycle when installing accessories or carrying additional weight.

Please adhere to the following guidelines when carrying a pillion, luggage or when fitting any accessories.

- DO NOT exceed 110km/h / 70 mph when riding solo, carrying a pillion or payload on an accessory equipped motorcycle.
- Keep luggage weight concentrated close to the motorcycle and as low as possible; this minimizes sudden shift in the motorcycle's centre of gravity.
- Distribute weight evenly on both sides of the motorcycle.
- DO NOT load bulky items behind the rider or add weight to the handlebars or front forks.
- DO NOT exceed 6.6 pounds (3 kgs) maximum weight in each Royal Enfield Genuine motorcycle accessory pannier.
- Re-check the luggage periodically to ensure it is secured and will not shift while riding. Accessories mounted loosely may affect the riding of the motorcycle and affect the handling and stability of the motorcycle.
- Large surfaces such as fairings, windshields, backrests and luggage racks can adversely affect handling of the motorcycle. Use Royal Enfield Genuine Motorcycle Accessories which are model specific and follow installation procedure.

#### **ACCESSORIES AND LUGGAGE**



#### WARNING

- DO NOT load weight or install accessories incorrectly on the motorcycle. Doing so may affect the motorcycle's stability, handling characteristics and safe operation and could result in an accident causing serious injury or loss of life.
- Royal Enfield offers a range of Genuine Motorcycle Accessories that have been fully approved and extensively tested alongside the motorcycle.
- Royal Enfield cautions you against use of nonstandard parts such as aftermarket and custom made extended front forks which may adversely affect the performance and handling of the motorcycle. Removing or altering original parts may adversely affect the performance of the motorcycle, causing an accident, which could result in serious injury or loss of life.
- DO NOT ignore model / design specifications. Doing so constitutes both motorcycle and accessories misuse which may adversely affect the handling and performance of the motorcycle causing an accident, which could result in serious injury or loss of life.
- Total weight and axle loads influence the handling characteristic of the motorcycle.

#### **ACCESSORIES AND LUGGAGE**

- The total weight consists of the following:
  - a. motorcycle ready for operation and with a full tank,
  - b. Driver
  - c. Passenger
  - d. Protective clothing and helmet,
  - e. Luggage / accessories.
- Do not exceed the maximum permissible overall weight or the axle loads.
- If your motorcycle is equipped with saddlebags, a windshield or a passenger backrest, be prepared to reduce operating speed to maintain stability.

# ! WARNING

- A high payload alters the handling characteristic and increases the stopping distance of the motorcycle.
- Riding off-road, riding with more than one passenger, or carrying weight exceeding the maximum weight rating can make handling difficult, which may cause loss of control of the motorcycle which may cuase injury to the rider.

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#### ENGINE

Engine Type & Emission	Single Cylinder & BS VI
Bore	72 mm
Stroke	85.8 mm
Engine capacity (cc)	349.34 cc
Compression ratio	9.5:1
Max Power	20.2 bhp @ 6100 rpm
Max Torque	27 Nm @ 4000 rpm
Idle RPM	1050 ± 100 rpm
Starting	E-Start
Air filter element	Paper element
Lubrication oil	SAE 15W 5O API SL Grade JASO MA2 Semi Synthetic Oil
Engine oil capacity	2.20 Litres

#### IGNITION SYSTEM

Ignition Type ...... ECU controlled (with ECU map number)

Spark plug gap ...... 0.7 - 0.8 mm

Spark plug ...... M12 Bosch, YR7MES

#### TRANSMISSION

110 (113)(1135)(011		
Clutch	Convention Wet clutch	
Primary drive	Gear	
Primary ratio	2.313	
Gear box	Constant Mesh	
Gear Ratio	1 <sup>st</sup> 2.615	
	2 <sup>nd</sup> 1.706	
	3 <sup>rd</sup> 1.300	
	4 <sup>th</sup> 1.040	
	5 <sup>th</sup> 0.875	
Final drive	Chain	
Secondary Sprocket Ratio	2.800:1	
Drive Chain links		

CHASSIS			
Frame Suspension		Twin Downtube Spine Frame	
·	Front Rear	Telescopic, 41 mm forks, 130 mm travel Twin tube Emulsion shock absorbers with 6 step adjustable preload	
Brakes			
	Front Disc  Rear Disc  ABS	300 mm disc with twin piston floating caliper. 270 mm disc, single piston floating caliper Dual channel	
Tyre size			
	Front Rear	100/90-19 M/C 57P (Tubeless) - Alloy wheel 140/70-17 M/C 66P (Tubeless) - Alloy wheel	
Tyre Pressure Solo			
	Front	32 PSI	
	Rear	32 PSI	
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#### CHASSIS

With Pillion

32 PSI Front .....

36 PSI Rear .....

Steering lock ..... Integrated with ignition lock Petrol, upto E10 minimum Fuel Type .....

Fuel tank capacity ..... 15 ± 0.5\* Litres

91 RON Minimum Octane Rating .....

5 ± 0.5 Litres (Including Dead Stock) Low fuel warning .....

950 ml ± 50 ml Fuel Dead Stock .....

<sup>\*</sup>The above values are approximate and the actual fuel filling capacity will vary from the values mentioned.

#### **ELECTRICALS**

Generation	Alternator (ACG)
Battery	12V - 8Ah VRLA (maintenance free)
Starter motor	12V - 0.7 kW
Head lamp	
Position lamp	
Brake / Tail lamp	12V, LED type - 2.4/1.2W
Speedometer lamp	12V - LED
Hi-beam indicator	12V - LED
Neutral lamp tell tale	12V - LED
Turn signal tell tale	12V - LED
Turn signal	12V - 10 Wx4 Nos
Horn	
Charger Port	



WARNING
Using bulbs / other electrical gadgets other than specified rating may lead to over loading / erratic behaviour / premature failure of electrical system. Modifications on the motorcycle which are not approved by Royal Enfield may not only disqualify for warranty, but also affects performance of the motorcycle.

#### DIMENSIONS

Width ...... 845 mm Total height ...... 1. 1140 mm\* 2. 1310 mm\* (Windshield) \* Mirrors are excluded for Height measurement. 

#### WEIGHTS

Kerb weight (90% fuel) ...... 191 kg

#### NOTE

- Values / Dimensions given above are for your guidance only.
- In view of continuous improvements being done on our products, the specifications are likely to change without prior notice.
- Do not use the vehicle beyond the allowed Gross weight. The suspensions and tyres are designed to perform only to the maximum Gross Vehicle Weight.

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# **RECOMMENDED LUBRICANTS**

	Engine Oil		
Grade	SAE 15W 50 API SL Grade JASO MA2 Semi Synthetic		
Capacity	Refill : 1.7 Lts. (Approx) Dry fill : 2.2 Lts. (Approx)		

	Front Fork Oil		
(	Grade	Royal Enfield Fork Oil	
	Capacity	453cc	

Brake Fluid		
Grade	DOT 4 or above	
Capacity	Front : 87 ml Rear : 54 ml	

<sup>\*</sup> DO NOT Mix DOT 4 & other brake fluids together.

#### CAUTION

Use of Wrong grade / mixed grade oil will reduce the life of the moving parts and seriously affect performance.

#### NOTE

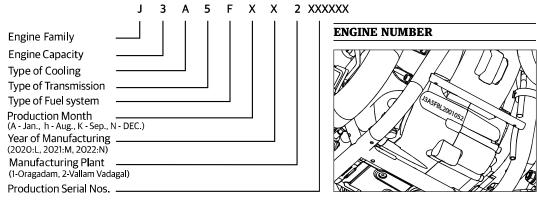
Recommendation subject to change without notice.

#### **MOTORCYCLE IDENTIFICATION NUMBERS** The VIN is a 17 digit number punched on the right side steering head tube in the form of label. ME3 J 3 A 5 F X X 2 XXXXXX Sample VIN: FRAME NUMBER Manufacturer's code Engine Family Name **Engine Capacity** Type of Cooling Type of Transmission Type of fuel system Month of Manufacturing (A - Jan., h - Aug., K - Sep., N - DEC.) **Production Year** (2020:L, 2021:M, 2022:N) Manufacturing Plant (1-Oragadam, 2-Vallam Vadagal) Production Serial No.

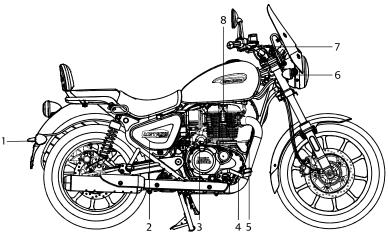
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# **ENGINE NUMBER - DETAILS**

Identification of the engine serial number and its production details. It is illegal to tamper with the engine number as it is the only means of identifications of the engine.

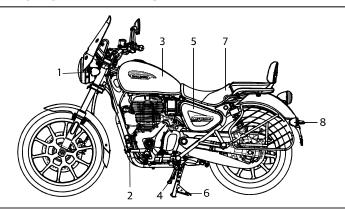


# **LOCATION OF KEY PARTS**



- 1. Right Trafficator Rear
- 2. Right Side Panel
- 3. Starter Motor
- 4. Brake Pedal
- 5. Horn
- 6. Right Trafficator Front
- 7. Brake Lever Front
- 8. Spark plug

# **LOCATION OF KEY PARTS**

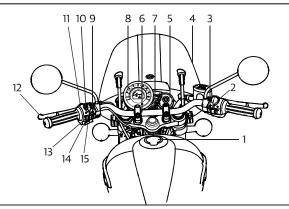


- 1. Left Trafficator Front
- 2. Gear Change Pedal
- 3. Fuel Tank\*
- 4. Side Stand
- 5. Left Side Panel
- 6. Center stand
- 7. Seat\*
- 8. Left Trafficator Rear

#### DISCLAIMER

\* The part displayed above are for reference purpose only. This will vary from the parts chosen using motorcycle configurator.

# **LOCATION OF KEY PARTS**



- Fuel Tank Cap
   Engine Kill switch
   Electric Start Switch
   Wind shield
- 5. Tripper
- 6. Handle bar\*
- 7. Ignition Switch
- 8. Instrument Cluster
- Day Flash Switch
   High Beam / Low Beam Switch
   Info button
- 12. Clutch Lever
- 13. Turn Signal Switch14. Charger Port
- 15. Horn Button

#### DISCLAIMER

\* The part displayed above are for reference purpose only. This will vary from the parts chosen using motorcycle configurator.

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<b>OPERA</b>	ATION	OF CO	<b>ONTROLS</b>
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#### **IGNITION SWITCH**

Ø OFF

ON



#### **STEERING LOCK**

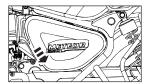
- Turn the handle bar to extreme left position.
- Push the key inside in "OFF" position, press and further turn to anticlockwise direction to lock the steering system.
- Turn the key in the clockwise direction to unlock the steering.



# **OPERATION OF CONTROLS**

# SIDE PANEL LEFT / BATTERY COVER

■ Unscrew the indicated screw and then pull the side panel for opening the same.



#### SIDE PANEL RIGHT

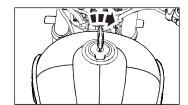
- Turn clockwise to open.
- Pull the side panel outside for opening the same.



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#### FUEL TANK CAP

- Turn key clockwise to open.
- Press cap to lock with key in position.





# WARNING

- DO NOT overfill the fuel tank.
- Fill fuel only till the bottom of anti splash plate.
- Over filling may result in gasoline entering the EVAP canister and may damage the Evaporative Emission System.

#### CAUTION

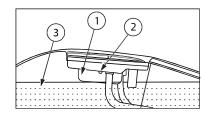
Gasoline vapour is highly explosive. Please ensure there are no open flames or sparks nearby while refueling and fill fuel only in a well ventilated area.

Please ensure gasoline does not spill on painted surfaces. In case fuel spills over the painted surfaces wipe it off immediately as it may leave a permanent stain.

Do not smoke while refueling or when fuel tank cap is open.

#### **FUEL TANK**

- 1. Fuel Tank Mouth
- 2. Splash Arrestor
- 3. Maximum Fuel level





# WARNING

Do not overfill the fuel tank. Fill upto maximum fuel level & stop filling when the fuel reaches the bottom of Splash Arrestor. Failure to do so will lead to canister damage or can cause fuel spill out of fuel tank.

Petrol is highly explosive. Please ensure there are no open flames or sparks nearby while refueling and fill fuel tank only in a well ventilated area.

Please ensure petrol does not spill on painted surfaces. Wipe immediately incase fuel spills over as otherwise it will leave a permanent stain on the painted surfaces.

#### NOTE

- Key is common for ignition, petrol tank cap, battery cover and tool boxes.
- Key can be removed only in locked position from fuel tank, battery cover, electrical boxes locks in "OFF" position from ignition switch.

#### **CAUTION**

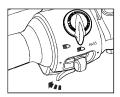
■ Turn off ignition switch when engine is not in running condition. Failure to do so will discharge the battery due to continuous headlamp "ON".

OPERATION OF CONTROLS	
ENGINE STOP SWITCH	
Engine "OFF" Engine "ON"	
CAUTION	
■ In case of prolonged stoppage of vehicle, please turn off ignition key to avoid	d discharge of battery.
E-START SWITCH	
Push & hold till engine starts	
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#### HORN



Press the horn button to sound horn.



### HI BEAM / LOW BEAM SWITCH

■ When the headlamp is in "ON" condition "High / Low beam" will be selected by toggling the switch. High beam indicator lamp located in instrument cluster will glow when high beam is selected.







Low beam

#### DAY FLASH

Press for Head Light Flash



#### **TURN SIGNAL SWITCH**

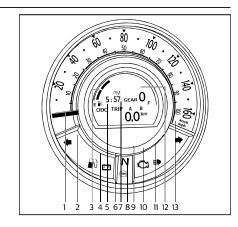
- ← Left turn signal "ON"
- Right turn signal "ON"
- "OFF" (Push to cancel)



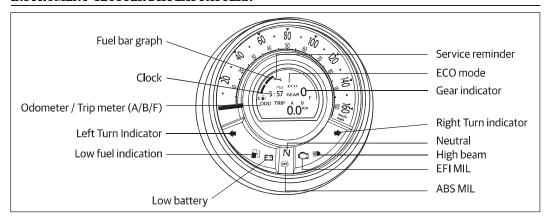
Push the button from "OFF" position to either left or right before turning as needed and restore to "OFF" position to stop blinking.

#### DIGITAL INSTRUMENT CLUSTER

- 1. Digital display with analog speedometer with 3D trim ring
- 2. Speedo indication with stepper motor
- 3. Round segmented floating LCD
- 4. 8 LED based tell tales
- 5. Display features
- 6. Odometer
- 7. Trip A and Trip B
- 8. Trip F
- 9. Fuel bar graph
- 10. Gear indication
- 11. ECO mode
- 12. Service reminder
- 13. Clock
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### INSTRUMENT CLUSTER DISPLAY PATTERN



#### LCD FEATURES

- Fuel gauge:
  - Digital with 7 segment bar graph
  - Last segment blinking along with low fuel tell tale "ON" for low fuel condition
- Service reminder :
  - In case service reminder symbol is "ON" please plan for a scheduled service at an authorized service center.
- Trip F:
  - Distance driven after low fuel tell tale is "ON".
  - Cannot be re-set.

- Will be visible only when low fuel condition is sensed, will vanish if fuel is filled above low fuel condition.
- Display can be toggled using info button during this condition but will auto appear after 25 secs Linked with stand switch to avoid re-set when in side stand condition.
- If ridden > 200 kms in Trip F condition "Low Fuel" will flash continuously on LCD. It is recommended not to ride vehicle in these condition as it will result in fuel pump damage.

#### ■ ECO Mode:

- Indicated when driven under optimum conditions.

### INFO BOTTON MANAGEMENT DETAILS

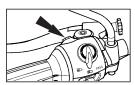
A. LCD SEQUENCE (Info Switch Press <1 Sec.) :-

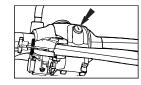
If Trip F enabled



If Trip F Not enabled







### NOTE

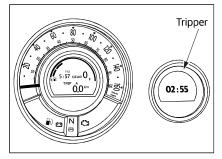
- For trip re-set press info button for T>3 secs.
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#### TRIPPER

Tripper is being provided to have turn by turn Navigation on motorcycle to help riders to have a hassle free riding without handling the smartphones, This device works based on Bluetooth connectivity with navigation search based on RE Mobile app with the support of Google Maps.

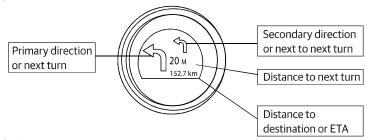
Device is capable of showing turn by turn navigation on a custom designed round color TFT with uniquely designed arrow font designed intuitively for ease of riding.

Background display can be switched between day mode and night mode which can be selected by riders from RE Mobile app.



#### Features:

- Turn by turn navigation with primary turn, secondary turn
- Distance to next turn, distance to destination or Estimated Time of Arrival (ETA)
- Clock display (in case of no connectivity, no navigation input or after destination is reached)
- User can select day and night mode (through RE Mobile app only)
- Low battery indication

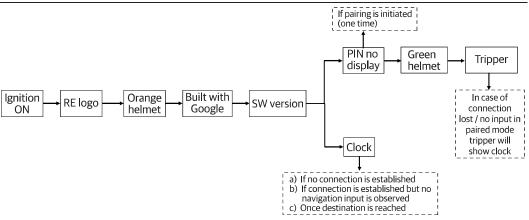


- Primary direction or next turn: Indicates the next turn to be taken along with the distance.
- Distance to next turn: Shows the distance to next turn.
- Secondary direction or next to next turn: Indicates the next turn to be taken after the primary direction, will be shown only when primary turn is less than 100 mts, if there is no turn the display will be blank in this region.
- Distance to destination or ETA: Shows the total distance to destination or Estimated time of arrival (based on user selection from RE Mobile app).

### Smartphones Compatible Version to use RE Mobile app:

- Compatible with Android and iOS.
- Android support: Current version 2.
- iOS support: Current version 1.
- Connectivity control only through RE Mobile app.

### TRIPPER - DISPLAY FLOW SEQUENCE



### **OPERATION OF CONTROLS - TRIPPER** RE MOBILE APP - CONNECTING SEQUENCE RE Mobile app login VIN and details registration One time user registration Navigation window ■ Location and bluetooth services to be enabled ■ Battery optimisation permissions/low battery app settings to be disabled Pair mode Select device and enter 6 digit passcode shown on tripper ■ Device will enter into paired mode once secure passcode is entered ■ This is one time only, next time on the device will be remembered if same phone is used Enter destination ■ Helmet icon will turn into Green color once the bluetooth pairing is completed Get directions Click on Navigate icon Royal Enfield Meteor | 51

### TURN BY TURN ARROW PROGRESSION SEQUENCE

Sl.No	Image description	Day mode image	Night mode image	Remarks
1	When next turn or distance is greater than 500 meters			Image will be shown in orange color with solid type
2	When next turn is less than 500 metres			Image will be shown in red color with solid type
3	When next turn is less than 100 metres			Image will be shown in red color with progressive fill in type 1 bar to 4 bar progression, secondary image will be shown at this time
4	When vehicle is at the turning point			Image will be shown with 3 bar fill in or 4 bar fill in and flash before the next direction is shown

SI.No	Image description	Day mode image	Night mode image	Remarks
5	Destination reached	8	8	Image will be shown when the exact position of destination is arrived
6	Clock mode	01:09		Once destination is arrived, image as shown in sl.no 5 will be displayed and then device will enter into clock mode

### TBT DISPLAY IMAGES

Sl.No	Image description	Day mode image	Night mode image	Remarks
1	Bluetooth connected		<u>8</u>	Indicates a tripper is connected with smart phone
2	Bluetooth disconnected	<b>@</b> 1	<b>(C</b> )	Indicates tripper is not connected with smart phone
3	Go straight ahead	Î	$ \uparrow $	
4	Off ramp Right	4		

Sl.No	Image description	Day mode image	Night mode image	Remarks
5	Off ramp left	Ð	4	
6	Arrived at destination	<b>©</b>	<b>©</b>	Will be shown when rider has reached the destination
7	Arrived at destination which is on the right side of the street	©		
8	Arrived at destination which is on the left side of the street	©	®	

Sl.No	Image description	Day mode image	Night mode image	Remarks
9	Merge at right		A	
10	Merge at left			
11	Fork right		لي	
12	Fork left	<b>ن</b>	<del>ر</del> يا	
13	ONRAMP_RIGHT	众	众	

Sl.No	Image description	Day mode image	Night mode image	Remarks
14	ONRAMP_LEFT	R	众	
15	Roundabout (without exit number)			
16	Roundabout (Take exit 1)		<b>©</b>	Exit number can vary based on selected route, mentioned exit to be taken (exit number upto "9" indicated)
17	Turn left	Ę	Ę	
18	Turn right	(°)		

Sl.No	Image description	Day mode image	Night mode image	Remarks
19	Turn sharp left	S		
20	Turn sharp right	Z	Z	
21	Turn slight left			
22	Turn slight right			
23	ON_RAMP	念	久	

Sl.No	Image description	Day mode image	Night mode image	Remarks
24	Re-route indication			
25	Onramp slight right	忿	仌	
26	Onramp slight left	Ŕ	R	
27	Onramp sharp right	A	A	
28	Onramp sharp left	A	A	

Sl.No	Image description	Day mode image	Night mode image	Remarks
29	Merge slight right	À	Ź	
30	Merge slight left	<i>≪</i> 2		
31	Merge sharp right	\$	\$	
32	Merge sharp left	\$	ß	
33	Fork slight right		7	

Sl.No	Image description	Day mode image	Night mode image	Remarks
34	Fork slight left	Ŋ	F	
35	Fork sharp right	R		
36	Fork sharp left	Z.	Z	
37	Keep left	îtt	îtt	
38	Keep right	111	111	

Sl.No	Image description	Day mode image	Night mode image	Remarks
39	Off ramp slight right		\$	
40	Off ramp slight left	<b>S</b>	<b>₹</b>	
41	Off ramp sharp right			
42	Off ramp sharp left	4	4	
43	Round about right (without exit number)	Ø	<b>Ç</b> Î	

Sl.No	Image description	Day mode image	Night mode image	Remarks
44	Round about (take exit no)	<sup>1</sup>		Exit number can vary based on selected route, mentioned exit to be taken(exit number upto " 9 " indicated)
45	Continue straight	Î	$\hat{\mathbb{T}}$	
46	U Turn left	9	P	
47	U Turn right	R	P	
48	Nearing the destination	<b>8</b> ::-	<b>O</b>	

#### NOTE

- After every ignition "ON" cycle tripper will be in discoverable mode for 120 Secs.
- Incase there is no connection established within 120 secs display will enter into clock mode, to re-initiate connection Ignition OFF-ON cycle to be repeated.
- During navigation mode if there is no input from smartphone for 5 Secs, Bluetooth connection will be terminated to avoid power draw and will display clock.
- Bluetooth connection can be terminated by end user also by closing the mobile application.
- For first time pairing user needs to enter the secured pin shown on tripper through RE Mobile app to setup the device, after that auto-pairing will happen if same device is connected.
- Everytime the tripper is paired the clock time will sync with mobile time after which it will continue to run with internal clock even in case of disconnection, there will be time difference between time shown on instrument cluster and tripper customer needs to update cluster clock inline with time shown on tripper as and when required as mentioned in push button management of cluster.
- Do not apply or use gasoline / petrol related fluids for cleaning or wiping on instrument cluster or Tripper, as it may result in permanent damage to the same.

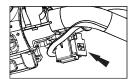
#### **CAUTION**

- Ensure ignition is "ON" and display is in powered while establishing connection.
- Ensure first time pairing is done in isolated environment to avoid cross connections (one time).
- Day and night mode is user selectable only, will not change over automatically to be selected during night driving to avoid rider distraction.
- Bluetooth connection can be established only through RE Mobile app.
- Ensure bluetooth and location settings are turned always "ON" before usage.
- Disable battery optimisation settings / low battery cut-off setting of smartphone for navigation to work in low battery mode.
- RE Mobile app works only with Android (Current version 2) and iOS (Current Version 1) versions, for other lower versions performance lag can be expected.
- Tripper Bluetooth version is V4.2.

- RE Mobile app works with bluetooth version 4.2 and N+1.0, for other lower versions performance lag can be expected.
- Check for network signal strength in case of navigation lag.
- Check for Data speed in case of navigation lag, Navigation system performance is better in 4G band compared to other lower versions.
- Calibrate mobile phones frequently for more GPS accuracy & location accuracy is dependent on.

#### **CHARGER PORT**

Charger Port is located on Left side handle bar beneath the turn signal switch.





### WARNING

- Recommended not to use in rainy conditions to avoid damages to smart phones and charger, RE shall not be liable for any damage to smart phones.
- Do not use any other device other than mobile phones, only one mobile shall be charged at one point of time.
- Ensure proper insertion of USB cable, damages due to hard/wrong insertion of cable will not be entertained in
- Do not leave the USB port cap partially opened/closed to avoid any short circuit when not in use
- Do not insert any metal or conductive materials inside USB charging port which may lead to short circuit.

#### NOTE

- Charging port is provided only for charging purpose and no data transfer is enabled.
- Provided is only constant charging mode, fast/dash charging is not provided to be compatible with multiple make mobile phones and cannot be compared with performance of original smart phone chargers.
- Duration of charging can be higher and will vary for different make mobile phones depending on smart phone battery capacity, SoC and smart phone charging circuits.

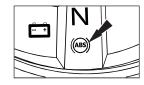
#### CAUTION

- Customer to ensure USB port cap is closed and locked properly when not in use, warranty will not be provided
  if port cap is damaged and not sealed properly.
- If high current draw greater than 2.5 ampere is observed USB charger will shutdown please check your smart phone battery current ratings before using.
- USB charger will function only when engine is in running condition.
- Use standard approved and high quality USB cables for proper functioning.

#### **WARNING INDICATIONS AND SAFETY SYSTEMS**

#### **ANTI-LOCK BRAKING SYSTEM (ABS)**

Anti-Lock Braking System (ABS) will help prevent the brakes from locking the wheels, during sudden application of the brakes at high speeds or at low friction surfaces. This will help the rider to have better traction and control over the motorcycle and prevent the motorcycle from skidding which can cause an accident.



In the event of a sudden and hard application of the brakes by the rider, the sensors in the braking system will signal the ABS modulator to momentarily and continuously reduce the hydraulic pressure and thereby prevent the brakes from locking the wheels while reducing the speed of the vehicle. This will help the rider to control the motorcycle.

An ABS indicator lamp is provided in the cluster (as shown in the adjacent image) to warn the rider in the event of any malfunction of the ABS.

When the ignition and engine kill switch are switched in "ON" position the ABS sign will glow and remain "ON" till the motorcycle attains a speed of 5 kmph / 3 Mph and turns "OFF". This indicates the ABS is functioning properly. If the ABS indicator lamp does not switch "OFF" and remains continuously "ON" at higher speeds, it is recommended not to drive the ABS motorcycle. Get the brake system inspected and corrected through a nearest Authorised Royal Enfield Service Centre. Failure to do so can result in a serious injuries and loss of life.

### WARNING INDICATIONS AND SAFETY SYSTEMS

#### **CAUTION (ABS)**

ABS is a safety feature to help prevent locking of wheels during panic application of brakes. It is by no means a substitute for good riding practices and anticipatory braking.

Please ride carefully and apply brakes cautiously, especially while cornering. ABS cannot estimate the "weight shifts" and momentum of the motorcycle while negotiating a corner and therefore prevent skidding due to loss of traction.

Please anticipate the stopping distance required for the speed of travel and apply brakes well in advance so as to bring the motorcycle to a safe stop.

Ensure instrument cluster is in proper functioning as it is an integral part of ABS system

Please apply both brakes simultaneously to stop with better traction and control of the motorcycle.

Failure to adhere to the above can cause an accident resulting in serious injuries and loss of life.

### WARNING INDICATIONS AND SAFETY SYSTEMS

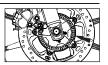


#### WARNING

- Always use the approved front/rear tires and sprockets by Royal Enfield to ensure correct ABS operation.
- Do not make any changes to the suspension travel.
- Only use recommended spare parts on the brake system which have been approved by Royal Enfield.
- ABS does not reduce braking distance. In certain circumstances, ABS may result in a longer stopping distance.

#### CAUTION (ABS)

- Visually inspect for damaged teeth on the front and rear ABS tone rings
- Inspect for damages and dents on the face of the teeth.
- The teeth edges should be consistent in appearance. In case If a toner ring is found to be damaged or bent, it is recommended to visit nearest dealership for necessary action.
- Inspect for debris at the end of the wheel speed sensors front & rear, if contamination is observed, it is recommended to clear it suitably or you may visit to nearest dealership for necessary action.



### **WARNING INDICATIONS AND SAFETY SYSTEMS**

### DO'S AND DON'TS: (ABS)

DO'S	DON'TS
<ul> <li>While starting the engine do check the ABS indicator glows "ON" and turns "OFF" when the vehicle speed exceeds 5 km/h (3.1 mph).</li> <li>Please check the brake fluid at "MAX" level in the front and</li> </ul>	■ DO NOT RELEASE the brake lever / pedal when pulsations are felt during hard application of the brakes in an emergency situation. The pulsations only
rear brake reservoir and ensure there is no leak in the brake systems.	indicate that the ABS is activated.
Apply both the brakes simultaneously for better efficiency.	■ DO NOT APPLY only the front OF rear brake as it can lead to
■ In the event of the ABS indicator remaining continuously "ON", please take the motorcycle to a nearest Authorised Royal Enfield Service Centre to inspect the brake system.	inefficient braking.

#### **ROLL OVER SENSOR**

In the event of motorcycle falling over on either of its sides with the engine running and the gears engaged the Roll over sensor will "disable" both the ignition and fuel systems and switch "OFF" the engine. This is to prevent any damage to the motorcycle and its rider. To reset the Roll over sensor and reactivate the ignition and fuel systems.

- Ensure the motorcycle is made upright and is on its center stand.
- Ensure gears are in correct neutral and the neutral lamp is glowing in the instrument console.
- Switch "OFF" both ignition & stop switches, wait for a few seconds and switch "ON" the Ignition and stop switch again, to start the engine.

### **PRE OPERATIONAL CHECKS**

A careful check of the following must be carried out every time before riding and specially after long periods of storage to determine if any additional maintenance is necessary.

- 1. Adequate fuel in the tank.
- 2. Tyres for correct pressure, abrasions or cuts.
- 3. Rear chain for proper tension and sufficient lubrication.
- 4. Brakes, steering and throttle for proper responsiveness.
- 5. Cable for fraying or crimping and free operation.
- 6. Engine oil level.
- 7. Alloy wheels for proper tightness.
- 8. Headlamp, tail lamp, brake lamp and indicator lamps for proper functioning.
- 9. Smooth operation and free play in front and rear brake levers.
- 10. Brake fluid level is above the "MIN" mark in the master cylinder.



#### WARNING

For your personal welfare and safety, all the points mentioned above should be performed periodically. Failure to do so may affect safe operation, damage your motorcycle and could result in an accident causing serious injury.

### **RUNNING IN PERIOD**

The Royal Enfield Motorcycle as you would be experiencing is capable of consistent high speeds. However as with any new motorcycle, a "RUNNING-IN" procedure is essential to help in proper "Bedding-In" of the various moving parts in your motorcycle and to achieve optimum performance like gear shifting subsequently.

- 1. DO NOT exceed maximum specified pay load.
- 2. Warm up the engine for a few minutes at idling speed to allow engine oil to lubricate all the moving parts in the engine before riding the motorcycle.
- 3. Avoid full throttle operation and do not ride at constant throttle continuously. Vary the speed by 10% while riding.
- 4. Ride at proper speed and avoid sudden accelerations and braking.
- 5. Avoid riding motorcycle continuously for over an hour, it is recommended to take brief stop.

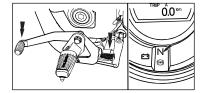
### **RUNNING IN PERIOD**

### NOTE

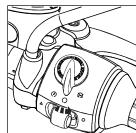
During the running-in period, do not exceed following speed limits.

Coox	Motorcycle speed		
Gear	First 500 kms (kmph)	501-2000 kms (kmph)	
1	20	25	
2	30	35	
3	45	50	
4	60	65	
5	70	80	

■ To shift into neutral, move the motorcycle back and forth gently, while simultaneously shifting the gear. Ensure gear is in neutral position and the neutral lamp is glowing in the instrument cluster.

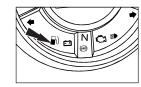


■ Turn ignition key to "ON" position and engine kill switch on right hand side handle bar to "RUN" position .



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■ When both the ignition and engine kill switch is in "ON" position and after the vehicle is started, the MIL will glow for a few seconds and turns "OFF", this indicates that all the function of the electronic fuel injection (EFI) system is functioning normally. In the event of any malfunction in the EFI system the MIL will glow continuously.

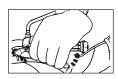


#### CAUTION

- In case the malfunction indicator DOES NOT turn "OFF", get the motorcycle checked through an Royal Enfield Authorised Service Centre for rectification.
- Check the fuel level indicator in the cluster for adequate fuel in the fuel tank. In case the last bar is blinking continuously, it indicates low fuel level in the tank. Please re-fuel immediately.



■ Disengage clutch by pulling in the clutch lever and hold it in depressed condition.



■ Push and hold electric start switch until engine starts for a maximum of 5 seconds.



#### NOTE

In case the engine does not start within 5 second, release starter switch and wait for about 5 second before attempting to start the engine again.

In case vehicle not starting on multiple continuous attempts, please turn "OFF" and turn "ON" ignition switch and then start again.

#### **CAUTION**

- If the engine does not start. DO NOT hold the starter switch in depressed condition for long periods, this will cause the battery to drain below the threshold level of 10 volt. Please get the motorcycle checked through an Royal Enfield Authorised Service Centre to identify and correct the reason for not starting.
- NEVER accelerate as soon as the engine starts, especially in cold condition. The engine should be allowed to run in idle RPM for at least 2 minute for the engine oil to circulate and lubricate all the internal moving parts and for the engine temperature to raise. Failure to adhere to this important information will cause serious damage to the engine internals.
- Accelerate only after the idling RPM has stabilised and it is consistent.
- Ensure side stand is in fully retracted position. Failure to do so will cause the engine to switch "OFF" as soon as gear is engaged.



#### WARNING

Please exercise extreme care while riding the motorcycle. Failure to do so can result in an accident causing injury to you or to other road users / passerby.

■ Ensure Gear is in Neutral position and the Neutral lamp is glowing in the speedometer. To shift into neutral, move the motorcycle back and forth gently, while simultaneously shifting the gear.

#### CAUTION

Do not attempt to shift gears without moving the motorcycle back and forth as it will damage the gears mechanism.

- Depress and hold the clutch lever.
- Press starter button and hold till engine starts. Do not release the button before engine starts.
- Do not press the starter button more than 5 sec. After three successive cranking, wait for 15 to 20 sec. battery to recover.



■ Warm up engine for 2 minutes - till idling is consistent/stable.

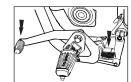
**GEAR SHIFT PATTERN** 

1--N--2 --3--4--5

- Press clutch lever towards the hand grip.
- Press gear pedal with toe towards down to engage 1st gear.
- Gently open throttle and release clutch simultaneously. If clutch is released suddenly, the engine may stall and cause a jerky start.
- It is recommended to use half clutch condition when commuting in the city traffic condition alone (Engine RPM around idling to 2000RPM) at 1st gear condition. In other gears and higher RPM avoid using half clutch which will proportionately reduce the clutch life. During acceleration / deceleration disengage the clutch completely, shift the gear and engage the clutch.

#### CAUTION

The clutch must be fully disengaged before attempting a gear shift. Failure to fully disengage the clutch may cause a jerky start or stalling the engine besides causing damage to transmission parts.



- Press the gear pedal Either upward with toe or Downward with heel to engage 2nd gear.
- Follow the same procedure for 3rd, 4th and 5th gear.

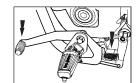
#### **NOTE**

Always start motorcycle with gear in neutral position.

Always move the motorcycle in first gear position only.

When engine speed decreases or while climbing a gradient or running at a reduced speed, shift to the appropriate lower gear to prevent the engine from stalling or straining to pull.

The clutch lever must be fully depressed before attempting a gear shift. Failure to fully depress the clutch lever will cause a roughstart or stalling of the engine besides causing damage to transmission parts.



■ When the vehicle is in Neutral position, press gear shift lever down with toe to engage 1st gear.

GEAR SHIFT PATTERN

1-- N -- 2 -- 3 -- 4 -- 5

Recommended up shift speeds			
Gear Change	Kmph	Unit to Miles per hour (Mph)	
1st - 2nd 20		12.4	
2nd - 3rd	30	18.6	
3rd - 4th 40		24.8	
4th - 5th	55	34.2	

Recommended downshift speeds			
Gear Change Kmph		Unit to Miles per hour (Mph)	
5th - 4th	50	31.1	
4th - 3rd	35	21.7	
3rd - 2nd	25	15.5	
2nd - 1st	15	9.3	

#### CAUTION

- If the clutch lever is released abruptly and throttle opening is done insufficiently the motorcycle will have a rough start and cause the engine to stall.
- If the acceleration is very high and clutch lever is released abruptly, it will cause motorcycle to move suddenly, which will lead to loss of control leading to an accident resulting in injury and or loss of life to rider / other road users / passed by, besides damage to the motorcycle.
- Always exercise utmost caution while releasing clutch and riding the motorcycle.
- Press the gear pedal either upward with toe or downward with heel to shift subsequent gears.

#### NOTE

Always start motorcycle with the gear in neutral position.

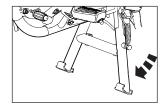
When the engine speed decreases or while climbing a gradient or running at a reduced speed, shift to the appropriate lower gear to prevent the engine from stalling or straining to pull.

- Always shift to lower gears as appropriate whenever slowing down to stop the vehicle.
- Shift gears to neutral position just before bringing the vehicle to a complete stop always.
- Close throttle fully and release the clutch lever slowly ensuring the motorcycle is in neutral position and neutral lamp is glowing.
- Stop the motorcycle in a safe place, turn "OFF" ignition and switch "OFF" engine kill switch.

### **PARKING**

#### PARKING MOTORCYCLE ON CENTRE STAND

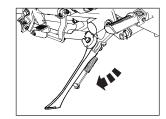
- Select a firm, flat surface.
- Hold handle bar straight.
- Lower center stand, and ensure that both the legs of the stand are resting evenly on firm ground.
- Apply pressure on the fulcrum lever on the center stand and pull motorcycle backwards, gently.



### **PARKING**

#### PARKING MOTORCYCLE ON SIDE STAND

- Select a firm, flat surface.
- Lower side stand and gently tilt motorcycle to the left till it rests firmly.



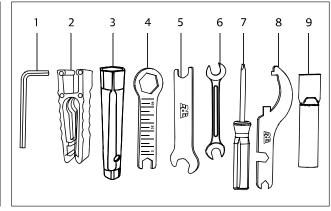
### WARNING

Always park the motorcycle on a firm and flat surface. Parking in a soft ground may cause stand to sink and the motorcycle to fall, causing injury to you or to others and damage to the motorcycle parts.

## **TOOLS KIT**

The tool kit is located in the right side panel of the motorcycle.

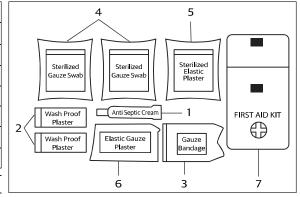
S.No.	Description	Qty.
1	Allen Key 6 mm	1
2	Fuse Puller	1
3	Tool Spark Plug (8x16 Box Spanner)	1
4	Ring Spanner 24x14 -24 (Eye Wrench) x 14 (Open End) Combination	1
5	Open End Spanner 17x13	1
6	D/E Spanner 10x12	1
7	Screw Driver 06x120/135	1
8	C-Spanner	1
9	Extension Tube 28x7 & 24x14	1



### **FIRST AID KIT**

First aid is located on Right side panel. A first aid kit is provided with the motorcycle for any emergency requirements.

S.No.	Description	
1	Antiseptic cream 5 gms	1
2	Wash proof plaster 1.9 cm x 7.2 cm	2
3	Gauze Bandage 5 cm x 2 cm	1
4	Sterilized Gauze Swab 5 cm x 5 cm	2
5	Sterilized Elastic Plaster 7 cm x 6 cm	1
6	Elastic Gauze Bandage 8 cm x 1 mtr.	
7	First aid kit pouch	1



### NOTE

Check the xpiry date of the first aid kit items before usage.

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The following simple maintenance activities will help in maintaining your motorcycle. However for an elaborate maintenance, we recommend you to get in touch with a Royal Enfield Authorised Dealer / Service Center.

#### **CONTROL CABLES**

Lubricate after water washing motorcycle or if used during rainy conditions.

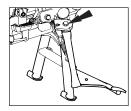
#### HAND LEVER PIVOTS

Wipe the area free of dirt / grease.

Apply a few drops of oil on the pivots.

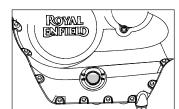
### CENTRE / SIDE STAND PIVOTS

Apply a few drops of oil on the pivots after cleaning the area of dirt.



#### OIL LEVEL INSPECTION

- Ensure vehicle is in center stand.
- Switch on the engine and gently raise the RPM for 10 seconds.
- Leave the vehicle in idling condition for 15 seconds.
- Switch off the engine & wait for the oil to settle down (Approx. 1 to 2 minutes).
- Engine oil level should be max level.
- In case of oil level is not as max condition, then top up oil to "MAX" condition and repeat the procedure as mentioned above.
- Always use recommended engine oil only.

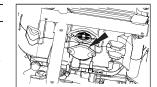


### **CAUTION**

- Use of wrong grade or spurious oil can seriously affect motorcycle performance & damage to moving parts.
- Do not check the engine oil level in cold condition.
- Do not sit on the vehicle while engine oil inspection.
- Do not inspect the oil level window immediately working up allow it to settle properly.
- Do not overfill the engine oil above "MAX".

#### **ENGINE OIL DRAINING**

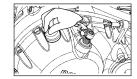
- Ensure vehicle is in center stand.
- Engine oil should always be drained after the engine is warmed up sufficiently (approx. 60 deg C) so that oil drains faster.



- Switch off the engine and wait for the oil to settle down. (approx. 1 to 2 minutes).
- Place the oil collecting tray under the engine.
- With the help of 8mm open end spanner. Slowly loose both the oil strainer cover bolts uniformly.
- Remove strainer cover along with O-ring and pull out the oil strainer gently and allow the engine oil to drain.
- Remove 3 socket bolts uniformly from cover-oil filter by using 5 mm allen key in crisscross sequence.
- Remove the engine oil filter from its housing.

#### ENGINE OIL FILLING PROCEDURE WITH OIL FILTER

- Align the new oil filter in its position so that spring end of oil filter is outside.
- Locate all 3 bolts and tighten all the 3 allen socket bolts with help of 5mm allen key uniformly. Wipe out the excess squeezed oil.



- Take the engine oil strainer & align it. Ensure O-ring (check and replace if required) side of strainer is pressed inside by slightly rotating it to accommodate its position.
- Hand tighten the hex bolts of strainer cap initially and the final tight it.
- Remove the oil filler cap and place the funnel.
- Fill 1.7 litre engine oil & fix the oil filler cap with new O-ring. Ensure the oil level as per the instruction.
- Ensure cover-oil strainer & cover-oil filter o-ring availability in place. Both O-rings are one time use only.

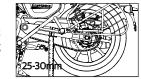
#### **CAUTION**

- Drain the engine oil after engine warming up.
- Fill the recommended grade of engine oil and do not over fill.
- Dispose the drained engine oil separately.
- Strainer cover bolts & engine oil filter bolts to be hand tighten first.

#### **DRIVE CHAIN**

Clean the drive chain carefully. Apply chain lubricant while simultaneously rotating the rear wheel. Wipe off the excess lubricant.

- Ensure the motorcycle is in upright on a firm and flat surface.
- Hold the spindle from the LH with a screw driver and loosen the spindle nut with a 24 mm ring spanner and loosen the LH & RH chain adjuster by using 6mm allen key.



- Align the line mark in the adjuster and swing arm in both the sides & set the drive chain free play for 25 to 30 mm by using steel rule.
- Tighten the LH & RH chain adjusters in the swing arm using a 6 mm allen key.
- Tighten the spindle nut fully.
- Ensure the chain tension should be 25 to 30 mm using a ruler/scale.



# **WARNING**

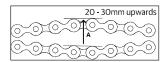
Chain slackness beyond 30 mm will lead to chain slippage.

Maintain drive chain slackness within the specified limits at every 500 kms interval.

Please check the front and rear wheels are correctly aligned, after the chain adjustment.

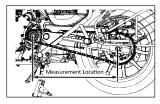
#### CHAIN SLACKNESS AND ADJUSTMENT PROCEDURE

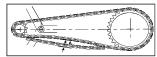
To check the chain slack, place the bike on its centre stand and follow the below instructions accordingly.



#### CHAIN SLACKNESS - MEASUREMENT

- Place the vehicle on center stand.
- Rotate the wheel until you find a position, where the chain slackness is at its lowest / tightest.
- That position to be kept approximately midway between the front and rear sprocket as shown in the fig.
- At the specified point, press the chain upwards and measure the chain free
- If the measurement does not fall in the specified range then adjustment must be made.





#### **CHAIN SLACKNESS - ADJUSTMENT**

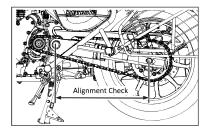
- Loosen the rear wheel spindle.
- Loosen the adjusting M8 allen bolt on both sides.
- Push the rear wheel to the extreme front in the swingarm slot.
- Turn the adjusting allen bolt in small increments with the help of M5 allen key, evenly on both sides, until the specified slackness is achieved.
- Tighten the wheel spindle (TT 80 Nm) and tighten the adjusting allen bolt (TT 10 Nm). Re-check the slack in the chain to confirm it, if it is still not within specification, repeat steps 1-4.



#### **CHAIN SLACKNESS - ALIGNMENT CHECK**

■ Check to ensure wheels are aligned, this can be done from the measurement markings on the Swingarm adjuster or by measuring from swingarm pivot to each side of Rear Wheel spindle center.

If the wheel is not aligned, correct this by repeating the adjustments steps for alignment. If required both sides also. Once aligned, reconfirm chain slack and adjust if necessary.



#### **SPARK PLUG**

#### CLEANING AND ADJUSTING PLUG GAP

- Remove the spark plug cap from the spark plug.
- Remove spark plug using the plug spanner and tommy bar.
- Clean the insulator tip and electrodes of the plug carefully.
- Check and set the electrode gap between 0.70 to 0.80 mm.
- Refit the spark plug on the cylinder head and refit the spark plug cap on the spark plug.

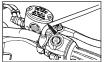
#### CAUTION

- Ensure ignition & kill switch are in off condition before accessing the spark plug.
- Before opening the spark plug blow away the dust in surrounding area to prevent it falling inside cylinder head.
- Ensure spark plug is being replaced with recommended spec only.

#### **CHECKING BRAKE FLUID**

Place your motorcycle in an upright position on a firm, level surface.

**Front:** Check that the brake fluid reservoir is horizontal and that the fluid level is above middle of the oil window. Oil window middle to be considered as Min mark.





Front Brake

Rear Brake

**Rear:** Check that the brake fluid reservoir is horizontal and that the fluid level is between the "Max" level and "Min" level marks.

#### **CAUTION**

Brake fluid is highly corrosive and can cause damage to painted parts. Please ensure that brake fluid does not spill on any part of the motorcycle. In the event of a spill, please clean the area immediately with a soft cloth (preferably a wet cloth) to avoid damage.

DO NOT Mix DOT 4 & other brake fluid together.

#### NOTE

- Clean the filler cap before removing. Use only DOT 4 brake fluid from a sealed container.
- Use only the specified brake fluid; otherwise, the rubber seals may deteriorate, causing leakage.
- Refill with the same type of brake fluid. Adding a brake fluid other than DOT 4 may result in a harmful chemical reaction.
- Be careful that water or dust does not enter the brake fluid reservoir when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock and dirt may clog the ABS hydraulic unit valves.



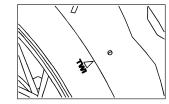
### WARNING

- An insufficient brake fluid level will cause the brake system to fail.
- Old brake fluid reduces the braking effect.
- Make sure that brake fluid for the front and rear brake is changed in accordance with the periodic maintenance schedule.
- Keep brake fluid out of the reach of children.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Brake fluid is highly corrosive and can cause damage to painted parts. Ensure brake fluid does not spill on any part of the motorcycle, in the event of spill please clean the area immediately with a soft cloth to avoid damage.

#### **INSPECTION OF TYRES AND WHEELS**

■ Inspect the tyres periodically for tread wear, cracks and cuts.

Minimum tread depth :			
Front tyre : 1 mm	Rear tyre : 2 mm		



- Check and remove stone, splinters, nails or other particles embedded in the tyre treads.
- Periodically inspect wheels for spokes breakage and wheel rim run out.
- Check proper seating of the tyre beading on the rim whenever the tyre is reassembled.
- Use only recommended tyres & tubes, inflated to correct air pressure.

	Front	Rear
Solo	32 PSI	32 PSI
With Pillion	32 PSI	36 PSI



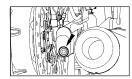
# WARNING

- It is recommended to operate the motorcycle with correct tire pressure as under inflated tires may cause tire to overheat and may result in tire damage and may cause injury to the rider.
- It is recommended to use Royal Enfield recommended tire specification in case of replacement of new tires, it is recommended to use the same specification of the tire recommended by Royal Enfield, failure to adhere the same may result in tire damage and may cause injury to the rider.

#### REAR WHEEL REMOVAL

- Ensure the motorcycle is in upright on a firm and flat surface.
- Mark the alignment markings on LH & RH.
- Hold the rear spindle from LH side with tommy bar & loosen the Spindle nut with the help of 24 mm ring spanner.
- Remove the plain washer, spindle nut and push the spindle with the help of tommy bar and pull it put from the other end.
- Gently tap the rear spindle by using the tommy bar from RH side and gently pull out the spindle by tapping.
- Remove LH & RH chain adjuster from swing arm using 6 mm allen key.
- Plug out the brake hose & ABS cable from the swing arm clips.
- Slide out the calliper reaction bracket assy. by holding it. Place a dry cloth on the silencer and support the caliper reaction bracket over it carefully and support it on the cloth.





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- Place the wooden piece or cardboard sheet in between the brake pads.
- Remove the drive chain from the sprocket and place it on a clean area.
- Tilt the vehicle on left side carefully so that wheel assembly is removed from the vehicle. Slide out the wheel assembly carefully.
- Ensure availability of RH & LH spacer at the wheel assembly centre.

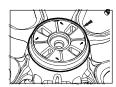
## **CAUTION**

- Do not place the wheel resting on the disc plate, as it may damage the disc plate and toner wheel.
- Do not actuate / press rear brake lever when the wheel is removed from the vehicle.
- Support the rear calliper carefully and ensure it is not getting damaged.
- Hold the wheel assembly from left hand while removing the spindle out.

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#### **REAR WHEEL ASSEMBLY**

- Ensure availability of RH & LH spacer at the wheel assembly centre.
- Tilt the vehicle on left side & carefully slide the wheel assembly into its position, between the swing arm.
- Enusre rear shocker mounting bolt not fouling with disc surface while sliding the wheel assembly.
- Insert the drive chain onto the rear sprocket & chain adjuster LH & RH into swing arm as shown.
- Hold & lift the wheel assembly with both the hands as shown and ensure swing arm eye, chain adjuster are on same axis.
- Insert the LH side chain adjuster into swing arm.
- Lift the wheel assembly & gently push the spindle into the swing arm eye.
- Remove the wooden piece or cardboard sheet from the calliper assembly & slide the reaction bracket carefully to achieve proper fit.





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- Insert the LH side chain adjuster into swing arm & tap the spindle gently at LH side to pass the spindle completely at RH side. Insert the washer on the spindle & hand tighten the wheel spindle nut.
- Ensure chain slackness is between 25-30 mm.
- Tighten the spindle nut using 24 mm ring spanner and Insert the brake hose c able into clips provided.
- Tighten the adjuster nut completely using 6 mm allen key on both LH & RH side to set to initial alignment mark.
- Tighten the wheel spindle nut fully.

### **CAUTION**

Please check the brake hose pipe routing from reservoir to master cylinder, master cylinder to rear wheel caliper.

There should not be any twist or pinch in routing which may affect braking performance.

It is recommended to reach nearest Royal Enfield workshop at your convenience to tighten the bolts to recommended torque.



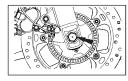
### WARNING

Ensure the motorcycle does not come off center stand while assembling / disassembling the wheel assembly. Failure to adhere could result in damage or serious injury.

#### FRONT WHEEL REMOVAL

- Ensure the motorcycle is upright on a firm and flat surface.
- Place the jack under the engine frame and lift the front wheel of the motorcycle from ground for about 15 cm.
- Fix the extension tube into 24 mm ring spanner.
- Using 6 mm allen key remove the hex socket pinch bolt from LH fork.
- Hold the wheel spindle bolt with a 17 mm spanner and loosen the spindle nut with a 24 mm ring spanner with the help of an extension tube.
- Gently tap the spindle using mallet from RH side to LH side by holding the front wheel.
- Remove the spindle from the LH side of the wheel hub.
- Remove the wheel assembly from and remove the spacer from the wheel hub at RH side.







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MINOR	MAIN	TENA	NCE	TIPS
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# CAUTION

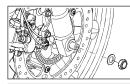
- Do not place the wheel resting on the disc plate, as it may damage the disc plate and toner wheel.
- Do not actuate / press front brake lever, when the wheel is removed from the vehicle.
- Place a soft cloth under the wheel hub center mounting hole area to prevent damage.

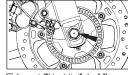
#### FRONT WHEEL ASSEMBLY

- Place the spacer in the RH side of the wheel hub.
- Slowly position the front wheel assembly between the forks and locate to its position.
- Place the front wheel between the forks where the hub of the wheel and fork positions are aligned. Insert the spindle from LH and gently tap with a mallet to insert it completely.
- Insert the plain washer, spindle nut and hand tighten it for few threads.
- Hold the spindle using a 17 mm spanner and tighten the spindle nut with a 24 mm ring spanner with the help of an extension tube.
- Tighten the LH fork hex socket pinch bolt using a 6 mm allen key.

## NOTE

It is recommended to reach nearest Royal Enfield workshop at your convenience to tighten the bolts to recommended torque.







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## BRAKE PADS

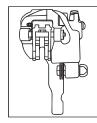
The front and rear brake pads must be checked for wear at the intervals specified in the periodic maintenance chart.

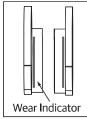
Front: The pads need to be replaced if a brake pad is worn to the indicator.

Rear: The pads need to be replaced if a brake pad is worn to the indicator.

Royal Enfield has provided your new motorcycle with the optimum brake pad friction material available. It gives the best performance under dry, wet and high operating temperature conditions.

Please note that during some braking conditions you may experience noise, this is normal for this friction material.





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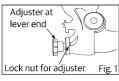


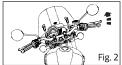
# WARNING

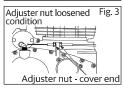
- Worn-out brake linings reduce the braking effect.
- Ensure that worn-out brake linings are replaced immediately.
- Whenever dealer is recommended for replacement of brake pads, it is recommended to always replace both left and right brake pads at the same time for correct and safe brake operation and effectiveness.

#### **CLUTCH FREE PLAY**

- Loosen the cover end adjuster nuts at cover end completely (see Fig.3)
- Tighten the adjuster at lever end on clutch perch fully in (see Fig.1)
- Unwind hand adjuster 4 full turns.
- Adjust free play at engine to give zero free play. Tighten clutch cable adjuster nuts at cover end.
- To avoid parallax error, align the scale with starting point of ball as shown (see Fig.5C) during measurement.
- Set steering to the left lock position (See fig 2). Pull lever and release 3 times. adjust hand adjuster on clutch lever to give a 10 mm to 12 mm free play at ball end (see Fig.5A, 5B, 5C,). Tighten the lock nut (see. Fig 1) with full hand tight.

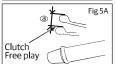


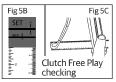




- Pull lever and release 3 times. Check free play is still within a 10 mm to 12 mm (see Fig. 5A, 5B, 5C). Adjust if necessary.
- Set steering to the straight position Pull lever and release 3 times. Ensure the free play is between a - 10 mm to 16 mm.
- Ensure that arm clutch release has positive freeplay (more than Omm) in left steering position by hand feel (see Fig.4).





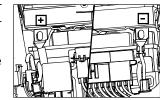


## **CAUTION**

- Clutch free play should be checked and adjusted only when the engine is cold. During clutch play checking and adjustment.
- Check the clutch cable for kinks or sign of wear that could cause stickiness or failure.
- Lubricate the clutch cable using a cable lubricant available in the market to prevent premature failure and corrosion.
- If not able to achieve free play specification, please visit nearest service center after adjusting the free play, start the vehicle & run it smoothly. If any abnormality observed increase the free play sufficiently & visit RE authorized service center.

## **BATTERY AND MAINTENANCE**

- The motorcycle is provided with 12V 8 AH VRLA battery.
- The battery must be periodically checked for Cleanliness and corrosion free terminals.



## NOTE

The poor contact or loose fitments of battery terminals may cause electrical / electronic parts failure.

#### REMOVAL OF BATTERY FROM THE MOTORCYCLE

- Turn off the ignition switch & kill switch.
- Use key to open the RH side panel, gently lift the RH side panel in a safe place to avoid damage.
- Loosen both the battery terminal clamps screws firstly -ve on right side (black) & then +ve on LH side (red) by using screw driver.
- Remove both the hex bolts on battery holding bracket by using 10 mm T socket handle Pull out the battery clamp gently from its position.
- Remove the Battery along with its housing.
- Gently remove battery from its housing.



## WARNING

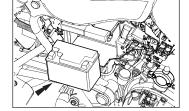
Always disconnect the black negative (-) battery cable first and then the red positive (+) cable while removing the battery connections.





## ASSEMBLY OF BATTERY ON MOTORCYCLE

- Position the battery in its housing.
- Position the battery along with its housing to its position.
- Gently align the battery holding bracket on either sides.
- Tighten both the hex bolts by using 10 mm T socket handle.
- Tighten the screws of battery positive & then negative terminals along with the clamps by using General screw driver.
- Cover both the terminal clamps fully as shown : Red (Positive) Black (Negative).
- Position the RH side panel in its position and lock it by using key.



#### NOTE

Clean the wire terminals free of corrosion and keep the terminals coated with petroleum jelly. It is not necessary to check the battery electrolyte level or add distilled water as the battery is a maintenance free (sealed type).

## **CAUTION**

Keep the +ve and -ve cables firmly connected to the respective battery terminals. Failure to do so may result in damage to the motorcycle electrical system.



## WARNING

Always disconnect the negative (-) battery cable first and then the positive (+) cable while removing the battery connections. If the positive (+ve) battery cable should contact terminal with the negative (-ve) cable installed, the resulting sparks may cause a battery explosion which could result in serious injury.



## WARNING

Battery terminals and internals contain lead and lead components, known to cause cancer and birth defects or other reproductive harm. Always wear approved protective face shield, rubberized gloves, and protective clothing when working with batteries. KEEP BATTERIES AND ACID OUT OF REACH OF CHILDREN.

## NOTE

- 1 Regular usage of motorcycle is very important for battery to be in good performance condition. If the motorcycle is being used very rarely or sparingly and the terminals are not disconnected the battery is bound to lose its charge and result in a dead battery.
- 2. Battery is a maintenance free type and can be permanently damaged if the cap strip is removed.

#### **CAUTION**

- The battery must be periodically checked for cleanliness and corrosion free terminals.
- The poor contact or loose fitment of battery terminals may cause electrical / electronic parts failure.
- Always disconnect the black negative (-ve) battery cable first and then the red negative (+ve) cable while removing the battery connections.
- For checking the battery voltage check with multimeter in Voltage mode or contact Royal Enfield Authorised Service Centre or battery service centre.
- Clean the wire terminals free from corrosion and keep the terminals coated with petroleum jelly.
- Keep the red (+ve) positive terminal and (-ve) negative terminal cables firmly connected to the respective battery terminals. Failure to do so may result in damage to the motorcycle electrical system.

## **CHANGING ELECTRICAL COMPONENTS**

## **HEADLAMP BULB REMOVAL**

- Remove RH & LH pan head collar bolt located on Headlamp casing 2 Nos by Philips screwdriver
- Remove the headlamp assembly by disconnecting bulb & parking light coupler.
- Remove the headlamp rubber boot from the reflector doom.
- Push the Headlamp locater clip & slide out from the slot to unclip from its lock.
- Carefully remove the headlamp bulb from its position using a clean & soft cloth.





#### HEADLAMP BULB REPLACEMENT

- Locate the new headlamp bulb assy into 3 slots provided and fix in its position.
- Fix & lock the clip from other end carefully by pushing it into slot.
- Fix the rubber boot in such that top mark is visible.
- Connect bulb & parking light coupler.
- Align the headlamp casing & tighten the #2 allen bolts using 4mm allen key.

#### NOTE

Never touch the bulb with your fingers. Finger prints will etch the glass and decrease bulb life apart from causing burns to your finger.

Always hold the bulb with paper or clean dry cloth during handling. Don't disturb the vent cap provided in the inner body mould.

Make sure the Ignition switch is in "OFF" position when replacing the bulb/electrical items.







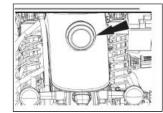
### **HEADLIGHT BEAM ADJUSTMENT**

- The headlight beam focus can be adjusted in vertical direction by using the adjusting screw by turning clockwise or anticlockwise direction.
- The adjusting screw is used to increase or decrease the height of the headlight beam in vertical direction only. This may be required to increase the visibility and to help prevent the other riders / vehicles passing nearby.



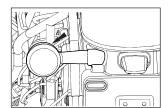
## TAIL LAMP

- This model is equipped with LED Tail lamp. If t ail lamp is not working, you may replace with sealed tail light unit only.
- Contact Royal Enfield Authorised dealer / Service centre to replace it.



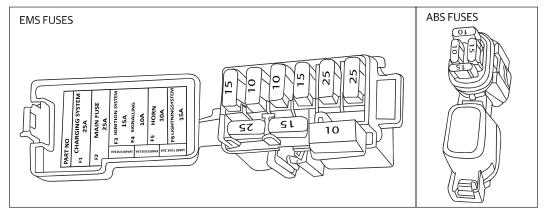
#### TRAFFICATOR BULB REPLACEMENT

- Loose the philips head screw #1 nos on the trafficator assembly body carefully with the help of small screw driver.
- Remove the Lens.
- Rotate the bulb in clockwise direction from the reflector assembly & remove the bulb carefully.
- Inspect for any blown off in the bulb.
- Replace new bulb by rotating it by anti clockwise direction.
- Locate the reflector cover to its position.
- Tighten the philips head screw on the trafficator body using small screw driver.



M	INOR MAINTENANCE TIPS				
NC	NOTE				
	Firmly fit the new bulb into the slot by rotating in correct direction, wrong rotation of bulb may damage th bulb assembly.				
	Fix the trafficator assembly body cover & tighten the philips head screw with minimum effort.				
NC	TE				
_	not over tighten the screw, otherwise the lens may break.				
_					
_					
_					

Fuse & Fuse carrier located in RH side cover.



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### MINI BLADE FUSE USAGE LIST

Fuse ID Number	Color	Rating	Remarks
1	W	25 A	Charging System
2	W	25 A	Main Fuse
3	В	15 A	Ignition System
4	R	10 A	Signaling Fuse
5	R	10 A	Horn Fuse

Fuse ID Number	Color	Rating	Rating Remarks	
6	В	15 A	A Lighting System	
ABS Fuse List				
1	В	15 A	ABS Fuse	
8	R	10 A	ABS Fuse	



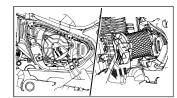
# WARNING

Please get the electrical system of your motorcycle checked thoroughly and get the faults corrected immediately after experiencing any fuse failure. Failure to do so may result in repeated fuse failure.

Usage of fuses other than specified rating will damage the complete electrical system.

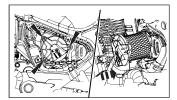
## **AIRFILTER ASSEMBLY REMOVAL**

- Remove the LH side cover by removing 5mm allen bolts 2 qty using 5 mm allen key.
- Remove the airfilter cover by loosening 3 philips head screw using small screw driver.
- Pull out air filter element separately from its cover carefully.
- Clean the air filter element with the help of dry clean cloth.
- Wipe the air filter housing with a clean cloth before assembling.



## AIRFILTER ASSEMBLY FITMENT

- Gently fix the airfilter element into its cover, ensure O ring available in the housing of air filter box.
- Insert the entire air filter assembly into housing and tighten all 3 philips head screws using small screw driver 3.
- Locate the LH side cover to its position.
- Tighten #2 allen screws using 5 mm allen key.
- Fit the LH panel by inserting it into respective lug & tighten 5mm allen bolts (2 Nos)

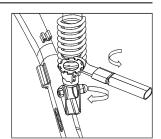


## Caution

- Do not leave cotton waste / cloth inside the airfilter housing.
- Do not use engine oil to clean the airfilter.
- Do not use high pressure compressed air which is not recommended to clean air filter element.

# **REAR SUSPENSION SETTING**

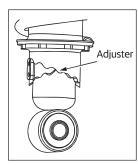
- Rest the motorcycle on center stand.
- Ensure the tire pressure is at recommended specification.
- Ensure adjuster are clear of all dirt and debris before adjusting, if they have dirt or debris please clean it suitably before adjusting.
- The adjuster is a 6 step adjuster and it is kept at first notch position.
- Adjust shock preload by rotating the adjuster clockwise using C-spanner to INCREASE the preload.
- Adjust shock preload by rotating anti-clockwise using C-spanner to decrease preload (to make it to first notch position).
- Make the same adjustments on both sides, uneven adjustment may lead to discomfort to the rider.



# **REAR SUSPENSION SETTING**

## NOTE

- Adjusting the suspension requires a C- spanner. It is We recommend to use the C-spanner that is given in your vehicle tool kit. Extension tube to be used for leverage purposes.
- The best spring preload setting is achieved when it is set for the weight of the rider and that of any luggage and a passenger.
- We recommend to increase the preload and keep it at final notch for fully loaded (GVW condition), thus ensuring an ideal compromise between handling and stability.



# **REAR SUSPENSION SETTING**

Condition	Max Reference Payload	Suspension Setting Notch	Tyre Pressure (Psi)	
Condition	Max Reference Payload		Front	Rear
Unladen / One up Loading / Rider Only.	Rider upto 90 kg	1st	32	32
Laden / Two up / Rider + Pillions / Rider + Pillion + Acceossories	Upto a maximum of 180 kg payload (Inc of rider weight, pillion weight and accessories)	6th	32	36

<sup>\*</sup>Ensure the preload is set equally on the LH and RH rear suspension.

# **LONG TRIP PRECAUTIONS**

### **CHECKS PRIOR TO THE COMMENCEMENT OF A LONG JOURNEY**

- Service the motorcycle at Royal Enfield Authorised Service Centre.
- Ensure sufficient quantity of fuel is always available in the fuel tank for the journey planned.
- Check and correct tyre pressure if necessary.

### **CHECKS AFTER EVERY 1000 KMS OF RUN**

- Any loose fasteners.
- Condition of the tyres.
- Correct oil level in engine.
- Working of all lights and horn.
- Proper drive chain tension.
- Clutch cable free play.

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# **LONG TRIP PRECAUTIONS**

## ITEMS TO BE CARRIED

- Tools kit.
- First aid kit.
- Bulbs for headlight, trafficator light and fuse.
- Accelerator and clutch cables.
- Spark plug, spark plug cap, fuel hose.

## **WASHING PROCEDURE**

#### **PRECAUTIONS**

- Remove ignition key and seal the ignition key barrel slot using adhesive tape.
- Please remove tool kit, first aid kit and other relevant documents if any inside the right side panel before proceeding for washing of the motorcycle.
- Cover the silencer tail pipe, horn and control switches with suitable plastic bags and tie it firmly to prevent water entry.
- Wash the motorcycle only when the engine is in cold condition.
- Do not remove side panel while washing to avoid water entry.
- Brush engine area with a recommend non corrosive solvent to remove dirt or grease.
- Use low pressure water jet to clean.
- Never spray water with great force on head lamp, meter/ cluster unit, flasher lights, front and rear wheel hubs, electrical connections and wires, control cables, EFI components, spark plug, battery, side panels.
- Do not use high pressure washers or steam jet cleaners near the seal of headstock bearing or steering stem bearing, seal of wheel bearing, brake calipers, air intakes & exhaust outlets.
- Do not apply any corrosive solvent on painted surfaces or rubber parts.

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### **WASHING PROCEDURE**

- Use lukewarm water and mild detergent on the painted components to remove dirt, etc.
- Clean motorcycle thoroughly with plain water to remove the detergent.
- Never spray water towards bottom side of instrument cluster directly to avoid water entry through breather holes.
- If possible, use compressed air and blow off water particles from the obscure areas of the motorcycle, electrical connections etc.
- Once the motorcycle has been ridden in salty conditions (i.e. during winter in places where road salt is used) or near coastal areas it is recommended to wash your motorcycle with cold water after the ride to prevent corrosion or rust build-up. Please do not use warm water for washing as it may damage the motorcycle due to chemical reaction with the salt. After washing process once the motorcycle is completely dry it is recommended to apply anti corrosion spray on all the metal and chrome plated areas to protect the parts from corrosion.
- It is recommended not to apply the anti-corrosion spray on the brake discs.
- Do not use petrol or other flammable liquids to clean or wash on electronics parts.
- The parts chosen using motorcycle configurator should not be washed with soap or chemical, use only with plain water.

# **WASHING PROCEDURE**

### **AFTER WASHING**

- Ensure, the motorcycle is thoroughly dry by wiping with a clean soft lint free absorbent cloth or chamois leather.
- Remove all adhesive tapes.
- Lubricate control cables, pivots for footrest, side stand, centre stand, brake and gear shifter linkages, drive chain etc. with lube oil.
- Polish the painted and plated surfaces using recommended automobile polishing wax.
- Start the engine and allow to run at an idling speed for a few minutes to warm up engine.
- Drive the motorcycle slowly, apply both the brakes intermittently to dry up the water in brake pads.
- Please clean / wipe out water spils completely inside the RH side panel before keeping tool kit, first aid kit and other relevant documents inside the right side panel.

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### **STORAGE PRECAUTIONS**

In-case your motorcycle is not going to be used for a month or more. the following precautions should be taken.

- Get the motorcycle serviced through a Royal Enfield Authorised Service Centre.
- Drain the fuel completely from the fuel tank and induction system.
- Remove spark plug. Pour in about 5ml of clean engine oil through spark plug hole. Close the hole and crank engine several times and refit spark plug.
- Clean drive chain thoroughly and apply Royal Enfield recommended chain lubricant.
- Wipe off excess lubricant after 5 minutes of application.
- Remove charging circuit fuse from the fuse box.
- Store the battery in a cool. dry and well ventilated place.
- Cover the silencer with suitable bags to prevent moisture entry. Set the motorcycle on its center stand.
- Apply anti rust solutions on all plated parts. Take care not to apply this solution on chrome. rubber or painted parts. Store motorcycle in a clean covered area free of moisture and dust.
- For re-use after storage. it is preferable to get the motorcycle prepared through a Royal Enfield Authorised Service Centre to ensure the motorcycle is restored to its peak operating conditions.

We have listed below a few basic checks in case your motorcycle is not functioning. If in case the problem is not rectified after these checks, it is necessary to get the motorcycle checked by a Royal Enfield Authorised Dealer / Service Center to rectify the problem and to ensure trouble free performance.

Symptom	Observations	Check for / Remedy					
	1. Ignition/Engine stop switch is in "OFF" position	Switch "ON" Ignition / Engine stop switch					
F	2. Very low / No fuel in the fuel tank.	Check fuel level / fuel meter and fill fuel.					
Engine Does not	3. Lights / horn very dim	Weak / Discharged battery. Replace Battery					
Starts	4. Electricals not working	Battery completely dead. Replace battery     Fuse Blown. Replace appropriate fuse.     Note: If fuse blows again, contact Authorised     Service Center.					
	5. Engine cranking but not starting	Spark plug Cap / wire disconnected. Reconnect.					
Engine starts But Shuts off	Engine shuts off as soon as throttle is closed.     Engine starts but shuts of immediately.	Idling RPM set too low / setting disturbed. Contact Authorised Service Center for resetting the idling RPM.					
immediately	2. Engine starts but shuts of infinediately.	Check if the MIL Lamp is glowing; If yes, Contact Authorised Service Center.					

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Symptom	Observations	Check for / Remedy
Engine Misfires &	1. Typically happens after a Refill / Adulterated / Water in Fuel	Drain out entire fuel and Refill with fresh fuel from a reputed filling station.
Runs Erratically	2. Motorcycle driven in Low gear / High RPM / Crowded places for long time.	Excessive engine temperature. Switch OFF engine and allow to cool down.
Poor	Engine RPM raises improportionately to motorcycle speed	Clutch is Slipping. Check for sticky clutch / clutch not having any free play.
Pickup	Rear chain excessively loose causing chain to slip on Sprocket.	Adjust rear chain to correct tension.
ABS (Anti lock Braking)	ABS lamp continuously ON.	Take the vehicle to service centre for diagnosis

### TROUBLE SHOOTING CHECK POINTS - NAVIGATION DISPLAY UNIT

Issue description	Symptoms		Check points
Display not working	Display not lighting up after ignition ON and background illumination is also not visible	a. b. c. d. e.	Check tripper coupler connection in wiring harness  Check for any terminal backout in wiring harness  Check for blown fuse or any short circuit  Check for battery voltage, if low voltage device will not work  Check battery connection

Issue description	Symptoms	Check points
Display working but no images shown	Navigation display unit power up but no contents are shown	a. Repeat ignition off/on     b. Check for pairing status     c. Check for
Display flickering	HW - backlight flickering observed	a. Check battery terminal connection     b. Check couplers for proper connection
lmage overlap / Display freeze	2 or more images are seen at same time or no updates of images when riding in different directions	<ul> <li>a. Ignition OFF/ON cycle to clear overlapped images is sufficient, do not replace device</li> <li>b. Mobile GPS not calibrated</li> <li>c. No network or no data in smartphone, to re-initiate navigation once arrived in a network zone</li> </ul>

Issue description	Symptoms	Counter measure
Navigation not working	Couldn't start the navigation from Mobile app	Make sure the mobile network is ON and preferably 4G and reopen the app.
Navigation inconsistent	Navigation is showing wrong direction or direction is changing frequently	Recalibrate the navigation / GPS position of the mobile phone and restart the navigation from the app.
Continuously auto-rerouting	Device display is continuously rerouting	Make sure your mobile network is stable and GPS is calibrated.
Frequently disconnecting	Navigation display and mobile Bluetooth connection disconnecting frequently.	1. Enable location service always ON 2. Disable the battery optimisation 3. Restart the app

# **ENVIRONMENT CARE**

### BE AN ENVIRONMENTALLY CONSCIOUS RIDER

Swachh Bharat is Sachh Bharat. Being a Royal Enfield rider help the nation and the future generation for a cleaner environment.

Engine oil, oil filter, petrol, battery (Batteries shall be disposed only with an authorised service centre or battery recycler), tyres, tubes, electrical & electronic parts replaced on your vehicle are to be disposed off in a proper way without polluting the environment. When your vehicle is attended in a Royal Enfield workshop our dealers do take care of that aspect. If you are getting it attended elsewhere please ensure that items are segregated and kept in a suitable container or bag without allowing them to get into soil, water or sewerage line, drains, water bodies like lake, canal, river, sea etc. We strongly recommend that they are disposed off, in accordance to the applicable law, through Pollution Control Board approved agencies in the locality.

Please ensure that the effluents are not discharged into the environment. Please promote dry washing which helps the nation to conserve water too.

This note does not constitute legal advice; please contact your local authorities or your nearest Royal Enfield Service Centre for further guidance.

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The maintenance schedule detailed here will help you maintain your METEOR 350 Motorcycle meticulously and to get a long trouble free service. The schedule provided herein is based upon average riding conditions and indicates the Kms at which regular inspections, adjustments, replacements and lubrications are to be carried out. The frequency of the maintenance must be shortened depending upon the severity of the driving condition or if the motorcycle is used in a very dusty environment. Contact the nearest Royal Enfield Authorised Dealer / Service Centre for expert advice and to carry out the required maintenance.

SI. No.	DESCRIPTION				PERI	ODIC	AL M	AINT	ENAN	ICE		
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50
	Months	1.5	6	12	18	24	30	36	42	48	54	60
1	Engine oil (Level check / replace)	R	ı	R	-	R	1	R	ı	R	I	R
		Check level at every 1000 Kms or earlier and topup as requi						uired				
2	Engine oil filter element	R		R		R		R		R		R

A : Adjust C : Clean D : De-carbonise L : Lubricate R : Replace

I: Inspect (Clean, Adjust, Lubricate or replace if necessary)

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SI. No.	DESCRIPTION	PERIODICAL MAINTENANCE										
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50
	Months	1.5	6	12	18	24	30	36	42	48	54	60
3	Engine oil strainer on crankcase LH	С		С		С		С		С		С
4	Inlet / exhaust tappet setting	I&A		I&A		I&A		I&A		I&A		I&A
5	Rubber hose-intake adapter	I	I	ı	-	ı	ı	ı	I	ı	I	
6	Evaporative emission equipment rubber hoses & drain the overfilled by removing plug.	ı	-	ı	1	ı	ı	ı	-	R	-	ı
7	Spark plug			C&A		R		C&A		R		C&A
8	HT lead for crack	1	1	ı	1	1	ı	ı	I	ı	ı	
9	Air filter element	С	С	R	С	R	С	R	С	R	С	R
		Clean/replace more frequently if operated in dusty condition						ition				

A : Adjust C : Clean L : Lubricate R : Replace D : De-carbonise I : Inspect (Clean, Adjust, Lubricate or replace if necessary)

SI. No.	DESCRIPTION				PERI	ODIC	AL M	AINTI	ENAN	ICE		
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50
	Months	1.5	6	12	18	24	30	36	42	48	54	60
10	Vent pipe under air filter box	1	1	1	1	1	1	1	1	1	1	
11	Starter motor & starter relay connections	ı	- 1	ı	I	ı	I	ı	1	1	ı	I
12	Battery terminals (apply petroleum jelly)	С	С	С	С	С	С	С	С	С	С	С
13	Earth wire eyelet contact					I						Π
14	Injector hose	ı	ı	ı	1	ı	I	ı	ı	ı	ı	ı
15	Fuel filter in fuel pump							R				
16	Front fork oil	I	J	ı	1	R	I	ı	I	R	1	ı
17	Steering ball races play	Inspect & adjust , If required lubricate for every 5000 km earlier as required. Replace if necessary					m or					

A : Adjust C : Clean D : L : Lubricate R : Replace

D : De-carbonise

I : Inspect (Clean, Adjust, Lubricate or replace if necessary)

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SI. No.	DESCRIPTION				PERI	ODIC.	AL M	AINT	ENAN	ICE		60 I								
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50								
	Months	1.5	6	12	18	24	30	36	42	48	54	60								
18	Wheel rim run out front & rear	I		ı		I		ı		I		ı								
19	Swing arm pivot bush & spacer	I Inspect & If required lubricate for every 5000 km or earlier as required. Replace if necessary								or										
20	Tyre wear pattern (front & rear)	Ι	I	I	1	I	ı	1	1	ı	I	I								
21	Rear wheel drive chain					ry 100 Kms o					te &	•								
22	Rear wheel cush drive rubbers					1 & R				1 & R										
23	Front & rear brake hose & banjo bolt		I	ı	I	ı	I	ı	I	I	I	ı								
24	Brake fluid level, front & rear disc		ı	ı	1	R	ı	I	I	R	ı	ı								

A : Adjust C : Clean L : Lubricate R : Replace D : De-carbonise

I : Inspect (Clean, Adjust, Lubricate or replace if necessary)

SI. No.	DESCRIPTION				PERI	ODIC	AL M	AINTI	ENAN	ICE	40 45 50 48 54 60 quired &									
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50								
	Months	1.5	6	12	18	24	30	36	42	48	54	60								
25	Clutch lever / cable free play	Adjust every 1000 Kms or earlier as required & replace if required.																		
26	Hand levers & foot levers	Lubricate every 1000 Kms or earlier as requi				uired														
27	Pivot-side stand, center stand, pillion foot rest, gear shifter, brake pedal, levers	L	L	L	L	L	L	L	L	L	L	L								
28	Throttle cable		Ac	ljust e	very 5	50001	cm or	earlier	if req	uired.										
29	Brake pads - front & rear	-	ı	ı	ı	ı	1	ı	I	1	I	ı								
30	Side stand switch operation		I	1	I	ı	1	ı	1	1	1	I								
31	All mounting fasteners in vehicle for tightness		1	1	ı	1	1	I	1	1	ı	1								

A : Adjust C : Clean L : Lubricate R : Replace D : De-carbonise

I : Inspect (Clean, Adjust, Lubricate or replace if necessary)

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SI. No.	DESCRIPTION	PERIODICAL MAINTENANCE										
	Kms (x 1000)	0.5	5	10	15	20	25	30	35	40	45	50
	Months	1.5	6	12	18	24	30	36	42	48	54	60
32	Throttle body - cleaning	cle cle cle	aned aners aning	with a or an is stri	dry M y simil ctly pi	d be re licrofi lar solv ohibit oths o	bre clo vant o ed, Tl	oth, U r alcho nrottle	sage o ol base body	of thro ed liqu clean	ttle bo	r

A : Adjust C : Clean D : De-carbonise I : Inspect (Clean, Adjust, Lubricate or replace if necessary)
L : Lubricate R : Replace

The maintenanceschedule detailed here will help you to maintain your Royal Enfield motorcycle meticulously and to get a long trouble free service.

The frequency of the maintenance must be shortened depending upon the severity of the driving condition OR if the motorcycle is used in a very dusty environment, severe climatic cold and hot conditions, bad roads, stagnant water etc., Contact a nearest Royal Enfield Authorised Dealer/Service Centre for expert advice and to carry out the periodical maintenance.

### NOTE

For maintenance after 50,000 Kms, please repeat the same frequency levels specified above, in consultation with a Royal Enfield Authorised Dealer / Service Centre.

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Royal Enfield Motorcycles are manufactured by following best Quality practices in respect of the material and workmanship.

Royal Enfield (RE) warrants its motorcycle to be free from manufacturing and material defect under normal use subject to following conditions.

- 1. RE will replace or repair defective part(s) at their Dealerships and Authorised Service Centre, free of charge within a period of 36 months/30,000 kms. from the date of sale, whichever is earlier.
- 2. In order to avail warranty benefits by second or subsequent owner, the second / subsequent owner should inform the nearest Royal Enfield Service Centre about the purchase of the bike and shall fill in the requisite details in the form as requested by Royal Enfield.
- 3. The warranty shall be applicable only if all the 4 free services & 3 paid services are availed in the respective period /kilometer ranges as per the schedule in the owner's manual from RE Authorised Dealer / Service Centre.

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- 4. During the warranty period, RE's obligations shall be limited to repairing / replacing part(s) of the motorcycle for free, only if the part(s), on examination is deemed to have a manufacturing defect. Defective part(s) which have been replaced will become the sole property of RE.
- 5. Cost of oil, oil filter and fuel are chargeable to the customer.
- 6. Claims on proprietary items like tyres, tubes, spark plug, battery etc. should be taken up with the respective manufacturer or their authorised agents in the area directly by the customer. RE shall not be liable in any manner to replace them through their dealers. RE will, however, provide assistance in preferring such claims on the respective manufacturer.
- 7. The warranty terms of motorcycle configurator parts is similar to that of the motorcycle warranty, i.e. 36 months or 30,000 kms. from the date of purchase whichever is earlier.
- 8. Warranty shall not apply to:
  - (a) Normal ageing, deterioration or rusting of plated parts, paints coat, rubber parts, soft items, glass items, plastic parts etc.

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- (b) Components like fuel filter, oil filter, air filter paper element, control cables, brake shoes / brake pads, clutch, drive chain & sprocket kit, steering ball races, electrical equipment, wiring harness etc., which are subjected to normal wear and tear.
- (c) Failures occurred due to use of non recommended grade lubricants, fuel or improper level.
- (d) Damages due to use of non-genuine parts, lack of proper maintenance, incorrect riding habits.
- (e) Parts damaged due to accidents, collision, abuse etc.
- (f) Irregularities not recognised as affecting the quality or function of the motorcycle such as slight vibration, oil leakage, discoloration of exhaust pipe bend and cat region/silencer/soft or hard shockabsorber etc.
- (g) Warranty is not applicable for discoloration of exhaust pipe & silencer, as it is a natural process that will happen during usage.
- (h) Defects arising from fitment of unauthorised or additional electrical loads.

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- $(i) \quad \text{Motorcycle serviced or repaired at unauthorised service centres.}$
- (j) Motorcycle used for competitions / racing / stage rallying etc.
- (k) Electrical component like bulbs, fuses etc. and electronic components failure including ECU due to repairs by arc welding.
- (l) Motorcycle found with tampering / drilling / welding mark on any part of the frame.
- (m) Normal maintenance operations like adjustment of brakes, cleaning fuel system, engine tune-up and other such adjustments.
- (n) Oxidization of buffed/painted/powder coated items etc.
- 9. RE reserves the right to finally decide on all warranty claims.
- 10. RE reserves the right to make changes in design of the motorcycle without any obligation to install these changes on previously supplied motorcycles.

In compliance with the provisions of Rule 115(2) of the Central Motor Motorcycle Rules, 1989, Royal Enfield certifies that the following warranty is applicable to those components liable to affect the emission of the gaseous pollutants in its range of motorcycle, in normal use to which it may be subjected to.

This emission warranty is valid for 30,000 Kms / 3 years from the date of first sale whichever earlier, to the first customer and is in addition to and parallel to the warranty policy, conditions and obligations laid down in the Owner's Manual.

Royal Enfield further warrants that if on examination by its Royal Enfield Authorised Service Centre, the motorcycle fails to meet the specified emission standards, then the Authorised Service Centre shall take necessary corrective measures and shall, at its sole discretion, repair or replace free of charge components of the emission control system to meet the required emission standards.

The method/s of examination to determine the warranty conditions of the emission warranty related components will be at the sole discretion of Royal Enfield and / or our Authorised Service Centre and results of such

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examination will be final and binding. If on examination the warranty conditions of the part/s is/are not established, Royal Enfield will have the right to charge all, or part of the cost of such examination to the customer in addition to the cost of the components.

In case of acceptance of the component/s under Emission warranty, Royal Enfield will replace free of charge the component/s as required. However, the consumables like fuel, lubricants, solvents, etc. shall be chargeable to the customer as per actuals.

In case any of the components covered under emission warranty or the associated parts are not independently replaceable. Royal Enfield will have the sole discretion to replace either the entire assembly or parts of the assembly through suitable repairs.

Royal Enfield reserves the right to carry out necessary consequential repairs to the motorcycle or replace any part, in addition to the repair or replacement of the components covered under emission warranty, to establish compliance to in-use emission standards. Such repairs / replacements will be chargeable to the customer.

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All parts removed for replacement under warranty will become the property of Royal Enfield.

Royal Enfield will not be responsible for the cost of transportation of the motorcycle to the nearest Authorised Service Centre or for any loss due to non availability of the motorcycle during the period of examination and repairs by Royal Enfield and / or their Authorised Service Centre.

Royal Enfield will not be responsible for any penalties that may be charged by statutory authorities on account of failure to comply with the in-use emission standards.

The cost incurred to check emission of the motorcycle will have to be borne by the customer.

Emission warranty will be applicable irrespective of the change of ownership of the motorcycle provided all the conditions as laid down in this document are met from the date of original sale of the motorcycle.

### THE WARRANTY SHALL APPLY IF THE CUSTOMER

- Observes all the important instructions and any other precautions listed in the owner's manual.
- Under all circumstances uses lubricants and fuel as recommended by Royal Enfield.
- Regularly obtains and carries out maintenance in accordance with Royal Enfield guidelines and enters the details in the Log book.
- Immediately approaches the nearest RE Authorised Dealer / Service Centre upon discovery of failure to comply with the emission standard inspite of having maintained and used the motorcycle in accordance with the instructions in the owner's manual and having carried out such repairs and adjustments as may be required with a view to establish such compliance.
- Production of a valid Pollution Under Control Certificate is necessary to claim Emission Warranty.

- Produces the owner's manual and Log book for verification details.
- Produces receipts covering maintenance of the motorcycle is specified in the owner's manual from the date of original purchase of the motorcycle.
- Produces valid certificate of Insurance and RTO Registration Certificate (R.C. Book).

### THE EMISSION WARRANTY SHALL NOT APPLY IF

- A valid "Pollution under control" certificate is not produced.
- The motorcycle is not serviced by RE Authorised Dealer / Service Centre as per the service schedule described in the maintenance chart.
- The motorcycle has been subjected to abnormal use, abuse, neglect and improper maintenance or has met with an accident.

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- Replacement parts not specified and approved by Royal Enfield have been used.
- The motorcycle, or parts there of, has been altered, tampered with or modified or replaced in an unauthorised manner.
- The odometer is not functioning or the odometer and / or its reading has been changed / tampered with, so that the actual distance covered cannot be readily determined.
- The motorcycle has been used for competitions, races and rallies or for the purpose of establishing records.
- On examination by Royal Enfield or its Authorised Dealer / Service Centre, if the motorcycle shows that any of the conditions stipulated in the Owner's manual with regard to use and maintenance have been violated.
- The motorcycle has been run on adulterated / leaded fuel or lubricant other than those specified by Royal Enfield in the Owner's manual or any other document given to the customer at the time of sale of the motorcycle.
- The emission related components are tampered with.
- All service and parts related bills and vouchers incurred during the tenure of the emission warranty is not produced.
- All maintenance activities carried out on the motorcycle during the tenure of the emission warranty are not entered in the log book.

### TIPS TO BE ON THE RIGHT SIDE OF LAW

- Always get your motorcycle checked to meet the emission regulations through an authorised emission checking centre.
- Always carry a valid "Pollution Under Control" certificate with you, as and if applicable by law.

### TIPS TO REDUCE POLLUTION

- Ensure that the periodical maintenance is carried out as stipulated in the owner's manual through a Royal Enfield Authorised Service Centre.
- Use only Unleaded petrol (91 RON or higher) from reputed fuel pumps.
- Ensure the fuel used is not adulterated.
- Use correct spark plug as recommended in the owner's manual.
- Use lubricants as per recommendations given on grade / brand in the owner's manual.

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### **EVAPORATIVE EMISSION CONTROL SYSTEM WARRANTY**

The following warranty applies to the evaporative emission control system.

Royal Enfield Motors warrants the first owner and each subsequent owner, that this motorcycle is designed and built so as to conform, at the time of sale, with applicable regulations specified by the evaporative emission control system related parts fitted to this motorcycle are free from defects in materials and workmanship which may cause this motorcycle not to meet applicable regulations period of 24 Months from the date of first use of the motorcycle.

The Warranty period shall begin either on the date the motorcycle is delivered to the first retail purchaser OR from the first date the motorcycle is used as a demonstrator OR as a display and/or trial motorcycle.

# THE FOLLOWING ARE NOT COVERED BY THE EVAPORATIVE EMISSION CONTROL SYSTEM WARRANTY

- 1. Failures which may arise as a result of misuse, alterations, accidents OR non performance of routine maintenance, as specified in the Owner's Manual.
- 2. Replacing, removing OR modifying any portion of the EVAPORATIVE EMISSION CONTROL SYSTEM (consisting of fuel tank, fuel tank cap, canister, purge valve, throttle body, vapor hoses, fuel hoses and hose connectors) with parts not certified by Royal Enfield.

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### **EVAPORATIVE EMISSION CONTROL SYSTEM WARRANTY**

- 3. Loss of time, inconvenience, loss of motorcycle use or any other consequential loss or damages.
- 4. Any motorcycle in which the Odometer has been tampered with OR the speedo cable has been disconnected for any reason OR is broken and not replaced immediately, due to which the exact distance covered cannot be determined.
- 5. Normal aging of parts such as fuel hoses, vapor hoses, gaskets and rubber components.

### RECOMMENDATIONS FOR REQUIRED MAINTENANCE

It is recommended that the routine maintenance of the motorcycle be carried out at specified intervals and any maintenance to the evaporative emission control systems should be performed only by an Authorised Royal Enfield Service Centre and using only genuine Royal Enfield spare parts.

# **SERVICE / MAINTENANCE RECORD**

S.No.	Type of Service	Schedule	Date	Job Card No.	Kms.	Dealer Code	Brief Details of Service
1.	1st Free Service*	500 Kms / 45 Days					
2.	2nd Free Service*	5000 Kms / 6 Months					
3.	3rd Free Service*	10000 Kms/12 Months					
4.	4th Free Service*	15000 Kms/18 Months					
5.	5th Paid Service	20000 Kms/24 Months					
6.	6th Paid Service	25000 Kms/30 Months					
7.	7th Paid Service	30000 Kms/36 Months					

### NOTE

Cost of parts, lubricants, filters and other consumables are chargeable to the customer on their respective service activities. Refer the Periodic maintenance Chart for the respective service activities.

<sup>\*</sup> Labour is free for this services alone.

# **SERVICE / MAINTENANCE RECORD**

S.No.	Type of Service	Schedule	Date	Job Card No.	Kms.	Dealer Code	Brief Details of Service
8.							
9.							
10.							
11.							
12.							
13.							
14.							

### NOTE

Cost of parts, lubricants, filters and other consumables are chargeable to the customer on their respective service activities. Refer the Periodic maintenance Chart for the respective service activities.

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### **REGIONAL & AREA OFFICES**

### EAST E1 - Jharkhand

Royal Enfield (A Unit of Eicher Motors Ltd) Maple Plaza, Gate No. 2, 3rd Floor, Ashok Nagar, Ranchi (Jharkhand)-834002

### E2 - West Bengal

ROYAL ENFIELD A Unit of Eicher Motors Ltd Shrachi Tower, 686, Anandapur, 3rd Floor, Kolkata - 700 107 Phone No: 033-40461000

### E3 - Assam

Royal Enfield, Office Number- 501, 5th floor, Sri Kamakhya Tower, Christian Basti, G.S. Road, Assam, Guwahati- 781005

### North N1 - J&K, Punjab, Chandigarh

Royal Enfield (A unit of EICHER Motors Ltd) SCO.369, 1st Floor, Sector 8 Panchkula - 134113 (Haryana)

### N2 - Haryana

Royal Enfield (A unit of EICHER Motors Ltd) Eicher Engineering Components, Plot No.7, HSIDC Industrial Area, Sector - 18, Palam Gurgaon Road, Gurgaon - 122 O15, Haryana. Ph: 0124-4278138, 4278139.

### N3 - Rajasthan

Royal Enfield (A Unit of Eicher Motors Limited) G-5, 6, 7 Gitanjali Towers, Ajmer Road, Jaipur - 302006 Rajasthan

#### N4 - UP

Royal Enfield
(A Unit of Eicher Motors Ltd.)
Office Space #502, 5th Floor
Cyber Heights, Vibhuti Khand,
Gomti Nagar,
Lucknow -226010, UP, India

### N5 - Uttarkhand

Royal Enfield (A Division of Eicher Motors Limited) Doon Express Business Park Opp Transport Nagar, Saharanpur Road, Majra Dehradun -248001, India

### SOUTH S1 - Telangana

Royal Enfield, (A Unit of Eicher Motors Ltd) Ground Floor, No:8-3-166/B to F, Erragadda Main Road, Beside Gokul Theatre Erragadda, Hyderabad-500018.

#### S3 - Tamilnadu

Royal Enfield (A unit of EICHER Motors Ltd) Plot No.9&10, OMR Road, Palavakkam (Opp. to Apollo Hospital) Chennai - 600096

### **REGIONAL & AREA OFFICES**

### S4 - Tamilnadu 2

Royal Enfield (A Unit of Eicher Motors Ltd) Regional Office, Mosika Towers, 4th floor, Plot no. 583, Ward No.8, Anna Nagar 2nd Main Road, Madurai-625 020.

### S5 - Kerala

Royal Enfield (A Division of Eicher Motors Limited) Door No: 41/346A, Ground Floor, St.Jude Building, Near Oberon Mall, NH Bypass, Padivattom, Edappally, Ernakulam- 682 024

### WEST

### W1 - Gujarat

Royal Enfield (A Division of Eicher Motors Limited) Safal Mondeal Heights, B wing - 601, Near Wide Angle Cinema, S.G. Highway, Ahmedabad - 380015, India

### W2 - Madhyapradesh

Royal Enfield (A Unit of Eicher Motors Ltd.) Block no 11,12,13,14 3rd floor, Maple high street, Opp -Aashima Mall, Hoshnagabad Road, Bhopal - 462026

### W3 - Maharashtra

Royal Enfield (A Unit of Eicher Motors Ltd.) Office No : 1402, The Affaires, Plot No 9, Sector 17 Landmark - Near Moraj Residency, Palm beach road, Sanpada Navi Mumbai - 400705

### W4 - Maharashtra 2

Royal Enfield (A Unit of Eicher Motors LTD) Vascon Eco Tower, Office No. 402, 4th Floor, Eco Tower, Behind Symantec, Baner Road, Baner, Pune, Maharashtra – 411045.

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# NOTES

# **NOTES**

# Royal Enfield recommended lubricants



# Royal Enfield recommended add ons to maintain your vehicle.









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