ROYAL ENFIELD OWNER'S MANUAL

CLASSIC 350

BS VI - SIGNALS

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FOREWORD

We congratulate you on your choice of the legendary Bullet motorcycle and welcome you to the exciting world of motorcycling on a Royal Enfield. This manual will help you to operate your Classic 350 Signals motorcycle, the right way and guide you to maintain your motorcycle meticulously. We have also provided tips on safe riding and on minor adjustments for the care of your motorcycle. Please avail four free and three paid services at the nearest Royal Enfield Authorised Dealer / Service Center, at the appropriate time to maintain your Bullet motorcycle in top riding condition. Log on to the exciting world of Royal Enfield website: www.royalenfield.com to get to know more about the company, its products and exciting news from time to time. We request you to carefully read the terms and conditions of warranty and other useful information given in this manual before starting to use your Bullet Motorcycle.

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 motorcycles 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

Please note that in case of fuel tank replacement, for any reason or under any circumstances, we will not be able to supply fuel tank with the same or a preferred serial number.

NOTE: BS VI - This motorcycle meets Emission Norms - Bharat (Trem) Stage - VI

Disclaimer

Applicable for all Matt finish motorcycles

1. Do not polish matt finished paint surfaces in your motorcycle as it will increase the gloss level.
2. Wash the painted parts only with plain water and do not use any strong solvents, cleaning agents or detergents.
3. Scratches, if happens on the matt finish parts cannot be touched up and corrected / removed.
4. Warranty is not applicable for any matt finished painted parts of the motorcycle.
5. The Heat Resistance Coated components such as silencer pipe, exhaust etc... shall not be wiped clean with oiled cloth as it can generate smoke when the vehicle is driven and also leave patch marks.

Part No. RAM00208/A / Qty. / Dec. '19 / 10134

CONTENTS

Personal and Motorcycle Information	4
Technical Specifications	5
Recommended Lubricants	8
Safety Definitions	9
Motorcycle Identification Numbers	10
Location of Key Parts	11
Operation of Controls	14
Pre-Operational Checks	18
Safe & Happy Riding	19
Running in Period	20
Warning Indications & Safety Systems	21
Starting	25
Gear Shifting, Riding & Stopping	26
Parking	27
Periodical Maintenance Chart	28
Tools & First Aid kit	31
Wheel Removal & Assembly	32
Minor Maintenance Tips	37
Long Trip Precautions	48
Washing Procedure	49
Storage Precautions	50
Trouble Shooting	51
Warranty Terms & Conditions	53
Emission Warranty	55
EVAP	58
Environment Care	60
Service & Maintenance Record	61
Regional & Area Offices	63
Notes	64

PERSONAL & MOTORCYCLE INFORMATION

Name					
Door No./Street					
Locality					
City		State		Pin	
Contact Nos.	Res: Off: Mobile :			Email :	
Engine No.			Battery No.		
Frame No.			Battery make		
Reg. No.			Licence No.		
Date of Sale			Valid till dt.		
Model			Key No. :		
Tyre make			Colour		
Sold by			Dealer Code		

TECHNICAL SPECIFICATIONS

ENGINE

Engine Type	Single Cylinder 4 Stroke
Bore	70mm
Stroke	90mm
Swept volume	346.36cc
Compression ratio .	8.5±0.3:1
Maximum Power	14.08 Kw @ 5250 rpm
Maximum Torque ..	28 Nm @ 4000 rpm
Idle RPM	1050±100
Starting	Kick Start E-Start
Air filter element	Paper element
Lubrication	Wet sump
Engine oil capacity	2.75 litres (First Fill only) 2.30 to 2.50 litres (subsequent refills)
Engine oil grade	SAE 15W 50 API SL Grade & Above JASO MA2 Semi Synthetic
Cooling	Natural air flow

IGNITION SYSTEM

Ignition system	Electronic ignition ECU/Variable
Spark plug Electrode gap	WQR8DC : 0.80 to 0.90 mm
Spark plug	WQR8DC M14 (Bosch)

TRANSMISSION

Clutch	Wet multiplate (6 plates)
Primary drive	Duplex chain
Primary ratio	2.15 : 1
Gear box	Constant Mesh, 5 Speed
Gear Ratio	1st 3.06:1
	2nd 2.01:1
	3rd 1.52:1
	4th 1.21:1
	5th 1:1
Final drive	16 Teeth (Sprocket)
Final Ratio	2.375:1
Drive Chain links	102 links

TECHNICAL SPECIFICATIONS

CHASSIS

Type	Single downtube, using engine as stressed member
Frame	Tubular
Suspension	
Front	Telescopic, 35mm forks, 130mm travel
Rear	Twin gas charged shock absorbers with 5 step adjust able preload, 80mm travel
Brakes	Hydraulic Disc Brakes Front & Rear with ABS System
Front:	280 mm dia disc with twin piston caliper
Rear:	240 mm dia disc with single piston & floating caliper
Tyre size	
Front	90/90 X 19" - 52P
Rear	110/90 X 18" - 61P
Tyre Pressure	
Solo	
Front	20 psi/1.41 kg/cm^2
Rear	30 psi/2.11 kg/cm^2
With Pillion	
Front	22 psi/1.55 kg/cm^2
Rear	32 psi/2.25 kg/cm^2
Steering Lock	In built
Fuel tank capacity	13.5 litres approx.*
Low fuel warning	4$\pm$0.5 litres approx.*

* The above values are approximate and the actual fuel filling capacity will vary from the values mentioned.

ELECTRICALS

Generation	Alternator (III Phase)
System	12V - DC
Battery	12V - 12 Ah MF
Head lamp	12V, H4-60/55W (Halogen)
Brake/Tail lamp	12V, P21/5W
Parking lamp	12V, 2W X 2 Nos.
Position lamp	12V, 4W

TECHNICAL SPECIFICATIONS

Speedometer lamp	12V, 3.4W
High beam indicator	12V, 1.7W
Neutral lamp tell tale	12V, 1.7W
Turn signal tell tale	12V, 1.7W
Turn signal	12V, 10W X 4 Nos.
Horn	12V, 2.5 Amp (Max.)
Starter Motor	12V, 0.70 KW
Warning Indicator lamps ...	12V, 1.7W x 3 nos

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

Length	2160 mm
Width	790 mm (without mirrors)
Height	1090 mm (without mirrors)
Wheel base	1390 mm
Ground clearance.	135 mm
Saddle Height	800 mm

WEIGHTS

Kerb weight (90% fuel & oil) ...	195 Kg.
Gross Vehicle Weight	350 Kg.
Luggage load carrier	should not be more than 15 Kgs

- 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.

RECOMMENDED LUBRICANTS

Engine Oil	
Grade	SAE 15W 50 API SL Grade & Above JASO MA2 Semi Synthetic
Capacity	2.75 Ltrs. (First Fill only) 2.30 to 2.50 Ltrs. (during oil & filter element replacement in periodical maintenance)

Front Fork Oil	
Grade	Royal Enfield Front Fork Oil (or 1F Grade Endurance)
Capacity	195 ml/leg

Brake Fluid	
Capacity	Front : 100 ml Rear : 100 ml
Grade	DOT 4

DO NOT Mix DOT 4 & Other brake fluid together.

CAUTION

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

NOTE

Recommendation subject to change without notice.

SAFETY DEFINITIONS

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 clearer understanding.

All Images shown in subsequent pages are for reference to explain and need not to be exactly the same on the model you own.

MOTORCYCLE IDENTIFICATION NUMBERS

FRAME NUMBER

Punched on steering head tube right side.

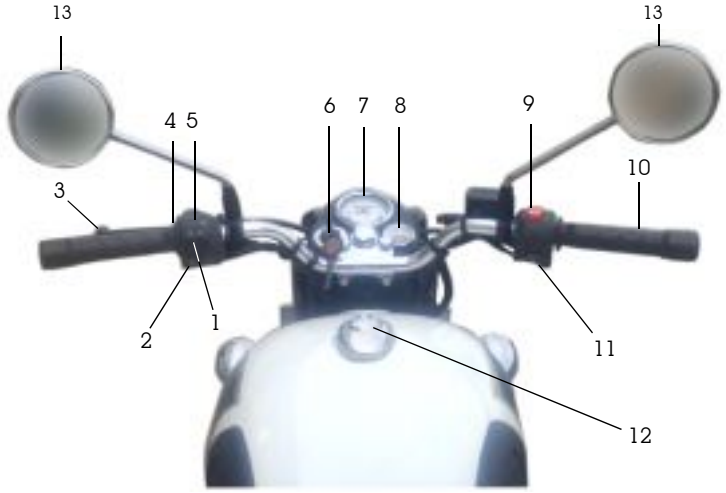


ENGINE NUMBER

Punched on crankcase left top side.



LOCATION OF KEY PARTS



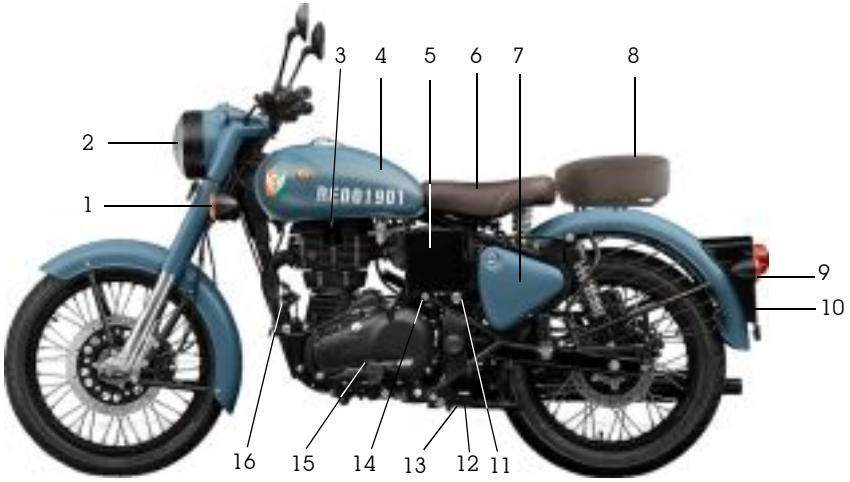
1. Turn Signal Switch
2. Horn Button
3. Cluth Lever
4. Day Flash
5. Head Lamp Dip Switch
6. Ignition Switch
7. Speedo Meter
8. Warning Indicator
9. Engine Kill Switch
10. Brake Lever
11. E-Start Switch Button
12. Petrol Tank Cap
13. Rear View Mirrors

LOCATION OF KEY PARTS



1. Right Trafficator Rear
2. Mudguard Reflector Rear
3. Tail Lamp
4. Shockabsorber (gas filled)
5. Air filter box
6. Pilot Lamp Right
7. Head Light
8. Number Plate Front
9. Right Trafficator Front
10. Steering lock
11. Brake Pedal
12. E-Start Motor
13. Kick Start Lever
14. Silencer

LOCATION OF KEY PARTS



1. Left Trafficator Front
2. Pilot Lamp Left
3. Spark Plug
4. Fuel Tank
5. Battery Box Cover
6. Seat - Rider
7. Electricals & Tool Box Left
8. Seat - Pillion Rider
9. Left Trafficator Rear
10. Number Plate Rear
11. Canister
12. Side Stand
13. Center Stand
14. ABS Module
15. Gear Change Lever
16. Horn

OPERATION OF CONTROLS

STEERING LOCK

- Turn Clockwise to lock
- Turn Anticlockwise to Unlock



FILTER / ELECTRICAL / BOXES

- Turn anti clockwise to open



BATTERY BOX

- Turn anti clockwise to open



IGNITION SWITCH

OFF

ON



FUEL TANK CAP

OPEN

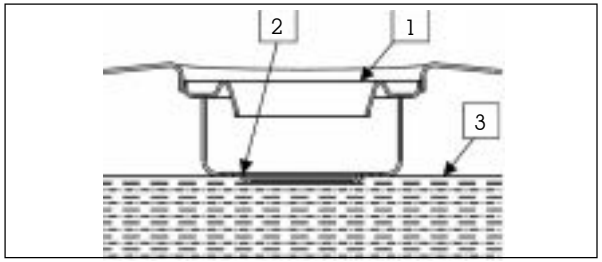
- Turn Key Clockwise & lift the lid

CLOSE

- Gently press lid till it "click" into lock position.



FUEL TANK



1. Fuel Tank Mouth
2. Fuel Level Plate
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.

OPERATION OF CONTROLS

NOTE

- Key is common for ignition, petrol tank cap, steering lock, battery cover and tool boxes.
- Key can be removed only in locked position from fuel tank, Filter box, Electrical boxes locks in "OFF" position from Ignition switch.
- Turn handle bar to extreme left, before attempting to lock steering.

ENGINE STOP SWITCH

Engine OFF

Engine ON



E-START SWITCH

Depress & hold till engine starts



HORN

Press



OPERATION OF CONTROLS

DIMMER SWITCH

High beam

Low beam



TURN SIGNAL SWITCH

Left turn signal ON

OFF (Push to off)

Right turn signal ON



DAY FLASH

Press for Head Light Flash



PRE OPERATIONAL CHECKS

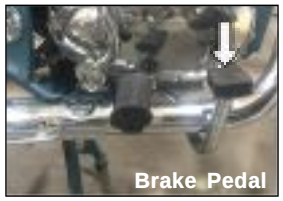
CHECK FOR

1. Petrol level in the tank and leakage if any.
2. Smooth operation and free play in Front and Rear Brake levers.

Front Brake



Rear Brake



3. Free play and smoothness of all operating controls.
4. Free movement of steering.
5. Any cuts, cracks in the tyre and correct tyre pressure.
6. Operation of all electrical equipments.



FRONT BRAKE



REAR BRAKE

7. Brake fluid level is above the "MIN" mark in the front and rear master cylinder.
8. Engine Oil Level is between "MAX & MIN" Level.



NOTE

Start engine, run for 2 minutes before checking Engine Oil Level.

SAFE & HAPPY RIDING

RIDING DRESS

- A proper riding apparel
- Proper Riding Boots
- Soft Leather Gloves
- Goggles or spectacles
- An ISI Certified helmet. (Affix light reflecting strips of stickers on the front and rear of the helmet for good visibility at night).

NOTE

A light coloured shirt enables greater visibility to other road users especially during nights.

CAUTION

Loose clothing may get caught on moving parts of the motorcycle.

SITTING POSTURE

Correct sitting posture is a must for stable and safe riding.

- Sit Straight with your shoulders completely relaxed.
- Keep your elbows close to your body.
- Hold the handle grip close to its inner end.
- Slightly grip the fuel tank with the knees.
- Keep your toes in "straight ahead" direction.
- Before turning, look extensively in the rear view mirror, without turning your head.

BRAKING

- Use both front and rear brakes simultaneously for maximum braking efficiency.
- While riding on wet or bad road conditions use brakes cautiously.

WARNING

Applying any one of the brakes suddenly may cause the motorcycle to skid.

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 subsequently.

1. During the first 2000 Kms of run, do not exceed the speed limits as shown in the table below.
2. Do not exceed maximum specified pay load.
3. 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.
4. Avoid full throttle operation and do not ride at constant throttle continuously. Vary the speed by 10% while riding.
5. Avoid sudden accelerations and racing starts.

Motorcycle Speed / Gear	First 500 kms	501 - 2000 kms
1	15 KMPH	20 KMPH
2	25 KMPH	30 KMPH
3	30 KMPH	40 KMPH
4	45 KMPH	55 KMPH
5	60 KMPH	70 KMPH

WARNING INDICATIONS & SAFETY SYSTEMS

YOUR MOTORCYCLE IS FITTED WITH THE FOLLOWING WARNING INDICATIONS AND SAFETY SYSTEMS:

1. LOW FUEL INDICATION



The Low fuel indication in the small meter will glow if the fuel level in the fuel tank is approximately 4±0.5 Lts. (Approx).

Please ensure the motorcycle is not used with the low fuel indicator lamp "ON" continuously. It may not only result in the motorcycle running out of fuel. BUT will also cause serious damage to the fuel pump. Please refuel as soon as the low fuel indication comes ON.

2. ENGINE MALFUNCTION INDICATOR LAMP



A Malfunctioning Indicator Lamp (MIL) is provided in the small meter.

When both the Ignition & Engine kill switch is "ON" and after vehicle is started, the MIL will glow for few seconds and switch OFF, this indicates that all the functions of Electronic fuel injection (EFI) system is functioning normally.

In the event of any malfunction in the EFI System the MIL will glow continuously. It is recommended to take the motorcycle to a nearest Royal Enfield Authorized service station for a detailed inspection and correction of the EFI system.

2. 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. This will help the rider to have better traction and control over the motorcycle and prevent the motorcycle from skidding which can cause a accident.

In the event of sudden and hard application of the brakes by the rider, the sensors in the braking system will signal the ABS moderator to momentarily and continously 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 console (as shown in adjacent image) to warn the rider in the event of any malfunction of the ABS.

When the ignition and kill switch are switched 'ON', the ABS sign light up and remain 'ON' till the motorcycle attains a speed of 5 Kmph (3MPH) and switch 'OFF'. This indicates the ABS is working properly. In the event the lamp does not switch 'OFF' and remains continously 'ON' at higher speeds, it is recommended not to drive the motorcycle and get the brake system inspected and corrected through a nearest authorized Royal Enfield Distributor. Failure to do so can result in a serious injuries and loss of life.

CAUTION : (ABS)

ABS is a safety feature to help prevent locking of wheels during sudden 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.

Please apply both brakes to stop - front brake momentarily earlier, followed by rear brake, to have better traction and control of the motorcycle.

Always ensure that you ride well within the legal speed limits.

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

DO'S & DON'TS : (ABS)

DO'S	DON'TS
■ While starting the engine do check the ABS indicator comes ON and switches OFF when the vehicle speed exceeds 5 km/h (3.1 mph).	■ **DO NOT RELEASE** the brake lever/pedal when pulsations are felt during hard application of the brakes in an emergency situation. The pulsations only indicate that the ABS is activated.
■ Please check the brake fluid at MAX level in the front and rear brake master cylinders and there is no leak in the brakes systems.	
■ Apply both the brakes simultaneously for better efficiency while braking.	■ DO NOT APPLY only the front OR rear brake as it can lead to inefficient braking.
■ In the event of the ABS indicator remaining continuously ON please take the motorcycle to a nearest authorized Royal Enfield service station to inspect the brakes system control of the vehicle.	

STARTING

- 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.

USING THE KICK START LEVER

- Slowly Crank Engine with the Kickstarter lever till a resistance is felt in the lever. Slightly crank slowly and further till the compression eases over.
- Release Kickstarter lever to enable it to come to its top resting position.
- Apply a powerful swinging Kick on the lever to start the engine. It may be necessary to open the throttle, very slightly, when starting on first time in the morning.

USING ELECTRIC START

- Depress and Hold the Clutch Lever.
- Press Starter Button and hold till Engine starts. Do not release the button before Engine starts.



GEAR SHIFTING, RIDING & STOPPING

NOTE

- Release the Starter button as soon as the Engine starts.
- If Engine does not start, wait for 30 seconds before pressing the starter switch.
- A Clutch switch is provided in the system for the safety of the rider. When the motorcycle is in gear, the motorcycle cannot be started. To start in gear depress the clutch lever and press Starter button to start engine.
- Warm up engine for 2 minutes.
- Depress clutch lever.
- Press gear pedal with toe to engage 1st gear.
- Gently open throttle and release clutch lever simultaneously. If clutch is released suddenly, the engine may stall and cause the motorcycle to move with a jerk.
- To shift to 2nd and higher gears close throttle, depress clutch lever and press the gear pedal with heel.





To stop the motorcycle, close throttle, apply front and rear brakes. Simultaneously, shift gears into neutral just before the motorcycle comes to a complete stop.





- Turn the ignition switch to 'OFF' position.



- Prior to starting, check to see if the low fuel indicator is glowing continuously.
- Low fuel indication will glow continuously, if the fuel level in tank is below 4±0.5 Lts. (Approx).



PARKING

PARKING MOTORCYCLE ON CENTER 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 MOTORCYCLE ON SIDE STAND



- Select a firm, flat surface.
- Extend side stand. Tilt the motorcycle to the left, till it is supported firmly.

CAUTION

When Side stand is in extended position.

a) Engine will start if vehicle is in neutral, but will cut-off (ignition and fuel) when gear is engaged.

b) Engine will not start if gear is engaged already.

WARNING

Ensure both the stands are retracted fully before riding the motorcycle.

Please exercise extreme care while parking and ensure it is parked firmly to avoid the motorcycle from falling over and causing injury to you or to others and damage to the motorcycle parts.

NOTE

The Side stand is only designed for the weight of the motorcycle. Do not sit on the motorcycle when it is resting on the side stand. The side stand or frame may become damaged and the motorcycle may fall over.

PERIODICAL MAINTENANCE

The maintenance schedule detailed here will help you maintain your Classic 350 Signals 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 Center for expert advice and to carry out the required maintenance.

Sl. No.	DESCRIPTION	FREE SERVICE whichever is earlier				PAID SERVICE						
	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	R	I	R	I	R	I	R	I	R	I	R
		Check level at every 1000 kms or earlier and Top up as required										
2	Engine oil filter element	R		R		R		R		R		R
3	Engine sump filter (oil retainer)	C		C		C		C		C		C
4	Spark plug	C&A	C&A	C&A	R	C&A	C&A	R	C&A	C&A	R	C&A
5	Magnetic drain plug under gear box and secondary drain Plug under crankshaft in crankcase right	C		C		C		C		C		C
6	HT leads for crack / damage	I	I	I	I	I	I	I	I	I	I	I
7	Fuel Hose & Clip	I	I	I	I	I	I	I	I	R	I	I
8	Accelerator Cable free play	Adjust every 5000 kms or earlier as required										
9	Rubber hose, Air filter to throttle body	I	I	I	I	I	I	I	I	R	I	I
10	Rubber hose, Inlet manifold / Adaptor	I	I	I	I	I	I	I	I	R	I	I
11	Evaporative Emission Equipment rubber hoses	I	I	I	I	I	I	I	I	R	I	I

PERIODICAL MAINTENANCE

Sl. No.	DESCRIPTION	FREE SERVICE whichever is earlier				PAID SERVICE						
	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
12	Air filter paper element	C	C	R	C	R	C	R	C	R	C	R
		Clean / replace more frequently if operated in dusty condition										
13	Clutch Cable / lever free play	Adjust every 1000 kms or earlier as required										
14	Rear brake pedal pivot	L	L	L	L	L	L	L	L	L	L	L
15	Battery terminals (apply petroleum jelly)	C	C	C	C	C	C	C	C	C	C	C
16	Earth wire eyelet contact	I	I	I	I	I	I	I	I	I	I	I
17	Front Fork oil / Leak	I	I	I	I	R	I	I	I	R	I	I
18	Rear Wheel Drive Chain	I&A	Clean, Lubricate every 1000 Kms / Clean, Lubricate & Adjust every 5000 Kms or earlier as required									
19	Steering ball races play	I&A	Inspect, Adjust & if required lubricate for every 5000 km or earlier as required. Replace if necessary									
20	Spokes tightness / Wheel rim run out front & rear	I	I	I	I	I	I	I	I	I	I	I
21	Swing Arm pivot bush & spacer	I	Inspect & If required lubricate for every 5000 km or earlier as required. Replace if necessary									
22	Rear wheel cush rubbers	I	I	I	I	I&R	I&R	I&R	I&R	I&R	I&R	I&R
23	Tyre wear pattern (Front & Rear)	I	I	I	I	I	I	I	I	I	I	I
24	Disc Brake oil level check (Front & Rear)	I	I	I	I	R	I	I	I	R	I	I
25	Pivot-Side stand, Center stand, Pillion foot rest	L	L	L	L	L	L	L	L	L	L	L

PERIODICAL MAINTENANCE

Sl. No.	DESCRIPTION	FREE SERVICE (whichever is earlier)				PAID SERVICE						
	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
26	Throttle body	Throttle body should be removed from the vehicle and cleaned with a dry Microfibre cloth, Usage of throttle body cleaners or any similar solvent or alcohol based liquids for cleaning is strictly prohibited. Throttle body cleaning every 10000 kms / 12 Months or earlier as required.										
27	Front & Rear brake hose, Banjo Bolt	I	I	I	I	I	I	I	I	I	I	I
28	Hand levers & kick starter lever pivot	Lubricate every 1000 Kms or earlier as required										
29	Clutch cable	I&A	I&A	I&A	I&A	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R
30	Accelarator cable	I&A	I&A	I&A	I&A	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R	I/A/R
31	Starter motor & Starter relay connections	I	I	I	I	I	I	I	I	I	I	I
32	Brake Pads - Front & Rear	I	I	I	I	I	I	I	I	I	I	I
33	Rear brake pedal free play	Adjust every 1000 Kms or earlier as required										
34	Side stand switch operation	I	I	I	I	I	I	I	I	I	I	I

I : Inspect (Clean, Adjust, Lubricate or Replace if necessary)
A : Adjust C : Clean L : Lubricate R : Replace
I/A/R: Inspect/Adjust/Replace if necessary

NOTE:

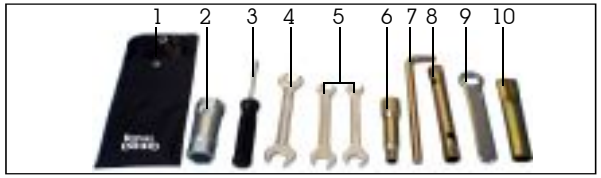
Check, Adjust & Lubricate frequently when riding in unusually wet, muddy, dusty roads and rainy season.

NOTE

For Maintenance after 50,000 Kms, Please repeat the same frequency specified above, in consultation with a Royal Enfield Authorised Dealer / Service Center.

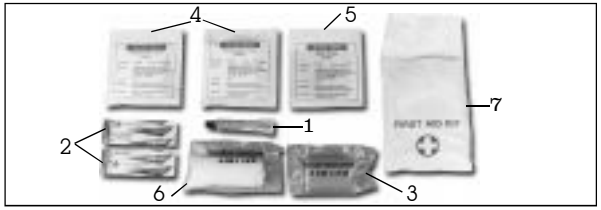
TOOLS & FIRST AID KIT

The tool kit is located in the left side Electrical box of the motorcycle.



S.No.	Description	Qty.
1.	Tool bag	1
2.	Box spanner 21 X 24	1
3.	Screw driver O6 X 160	1
4.	Double end spanner 14 X 15	1
5.	Double end spanner 10 X 12	2
6.	Tool- Spark plug	1
7.	Tommy bar	1
8.	Tubular spanner 12 X 13	1
9.	Single end ring spanner - 17	1
10.	Extension tube	1

A first aid kit is provided with the motorcyle for any emergency requirements.



S.No.	Description	Qty.
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.	1
7.	First aid kit pouch	1

* Please familiarise yourself with the minor maintenance of the motorcycle before attempting to carry out the same.

WHEEL REMOVAL / ASSEMBLY

FRONT WHEEL REMOVAL

- Place the motorcycle on its center stand on a firm and flat surface.
- Provide a suitable support below the front end of the engine such that the front wheel is about 4 inches (10 cms.) above the ground.
- Disconnect speedo cable.
- Loosen the pinch bolt on the right side fork end.
- Hold the axle on the right side and loosen the axle nut on the left side.



- Hold front axle by spanner and loosen axle nut then remove nut along with washer.



- Tap and remove the front wheel spindle from the right side.
- Tilt the motorcycle to right side and take out the wheel along with speedo drive and right side spacer.
- Take out Speedo drive and bush on the right side.

CAUTION

Do not depress the front brake lever when wheel is removed as this will result in the brake pads coming too far out of the brake caliper.

- Place a 4 mm thick wooden piece or cardboard sheet between the brake pads to avoid pads activation in the event the front brake lever is accidently depressed.

FRONT WHEEL REASSEMBLY

- Remove the wooden piece / card board sheet placed between the brake pads.
- Locate small spacer and speedo drive over the wheel hub on the right side.
- Locate stepped spacer in the left side of the hub with its larger face outside.
- Locate front wheel between the fork ends duly ensuring the spacer and the speedo drive do not fall off and the brake disc is correctly positioned between the brake pads.

NOTE

Ensure that the speedo drive is correctly located such that the cable can be connected without difficulty.





- Hold the pinch bolt and tighten the 'U' nut on the right side fork end.
- Rotate the wheel and check for smooth rotation.
- Connect the speedo cable to speedo drive and check for proper working of speedo meter.
- Depress brake lever 2 or 3 times to check front brake efficiency.

WHEEL REMOVAL / ASSEMBLY

REAR WHEEL REMOVAL

- Place the motorcycle on center stand on a firm and flat surface.
- Note the alignment index marks in the both side of swing arm.
- Loosen the axle nut from swing arm by holding other side.
- Remove wheel spindle from left side as shown.
- Remove the brake hose pipe and wheel speed sensor cable from the swing arm clips (Gently Pull the Brake Hose & WSS cable together from the Clip by hand. Do not use any screw Driver or metal rod for removal which may damage the Hose or Sensor cable).
- Remove the brake pads from the caliper assembly.
- Remove the caliper assembly with bracket by pulling out from the swing arm slot.
- Remove the left side spacer from rear wheel hub.
- Tilt motorcycle to right side and slide out rear wheel.









REAR WHEEL REASSEMBLY

- Ensure the four Cush rubbers are in position inside the rear wheel hub.



- Tilt motorcycle to right side and insert the wheel assembly between the swing arms.



- Position the rear wheel with cush rubber on the rear chain sprocket.



- Fix the left side spacer in rear wheel hub.
- Insert the caliper assembly with bracket by matching the slots given in the caliper and swing arm.



NOTE

Assemble the brake pads and ensure the brake disc is located in between the brake pads.

- Align the caliper bracket, wheel and swing arm holes all are in one line.
- Insert and tap the rear wheel axle gently from left side.



CAUTION

Do not force the spindle into the wheel as the threads may get damaged. Tap it through the wheel gently.

- Note the alignment index marks in the both side of swing arm.



- Fix all the three W-Clips properly with Brake hose and wheel speed sensor Cable in the locations as shown.



- Insert the wheel speed sensor cable and Brake hose in to the clips provided on the Swing arm, facing WSS sensor cable at the bottom.
- Ensure wheel speed sensor cable & Brake Hose not entrapped between shock absorber mounting bolt and caliper bracket.

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.

Sharp edge instruments should not be used during WSS cable removal and reassembly.

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.

MINOR MAINTENANCE TIPS

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.



CENTER / SIDE STAND PIVOTS

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



DRIVE CHAIN

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

OIL LEVEL INSPECTION



- Place motorcycle on its center stand on a firm surface.
- Warm up engine for a few minutes & switch off before checking oil level.
- The level is correct if the oil level is in the middle of the oil level window.
- Top up only with recommended Engine oil.

CAUTION

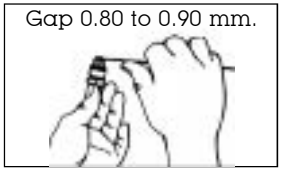
Use of wrong grade or spurious oil can seriously affect motorcycle performance & damage to moving parts.

MINOR MAINTENANCE TIPS

SPARK PLUG

CLEANING AND ADJUSTING PLUG GAP

- Two spark plugs are provided in your motorcycle.
- 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 0.80 to 0.90 mm.



- Refit the spark plug on the cylinder head.

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	1.41 kg/cm^2 (20 PSI)	2.21 kg/cm^2 (30 PSI)
With Pillion	1.55 kg/cm^2 (22 PSI)	2.20kg/cm^2 (32 PSI)

MINOR MAINTENANCE TIPS

BRAKE FLUID

Check if oil is below 'MIN' level. To top up, remove cover and diaphragm, then top up with DOT 4 as specified.



FRONT BRAKE

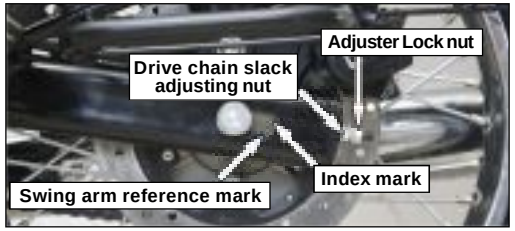


REAR BRAKE

CAUTION

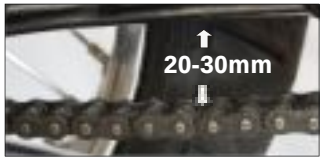
Brake fluid is highly corrosive and can cause damage to painted parts. Please ensure that brake fluid does not spill on any part of the motorcycle. In the event of a spill, please clean the area immediately with a soft cloth (preferably a wet cloth) to avoid damage.

DRIVE CHAIN TENSION (Free Play 20-30mm)



To adjust the free play:

- Ensure the ground level & firm and place the motorcycle in its centre stand.
- Loosen rear wheel spindle nut.
- Loosen rear sprocket stub axle nut.
- Loosen lock nuts of the chain adjuster on both ends of the swing arm.
- Tighten / loosen the adjuster nut on right swing arm end, to reduce / increase free play.
- Rotate wheel slowly and check chain free play at the top run to be between 20 - 30 mm.



- Note the matching index marks on right swing arm and chain adjuster and tighten / loosen adjuster nut on left swing arm side, to ensure the marks on both sides are at the same position.
- Tighten the lock nuts against the adjuster nuts, taking care not to disturb the adjuster nut settings.
- Tighten rear sprocket stub axle nut and wheel spindle nut to a torque of 7 Kg-m.

WARNING

Chain slackness beyond 30mm will lead to chain slippage.

Maintain drive chain slackness within the specified limits at every 1000 kms interval.

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

MINOR MAINTENANCE TIPS

BATTERY & MAINTENANCE



- The motorcycle is provided with 12V - 12 Ah.
- Periodically check the Battery for
  - Cleanliness and corrosion free terminals.

REMOVAL OF BATTERY FROM THE MOTORCYCLE



- The battery is located on the left side of the motorcycle near the electrical box.
- Ensure motorcycle is parked on its centerstand, in a well ventilated area.
- Ensure the ignition switch and engine stop switch are in OFF position.
- Insert the key into the battery cover lock, turn anticlockwise and hold.
- Remove the battery cover outwards while releasing the cover from the lock peg on top.
- Disconnect the -VE Terminal first and then +VE terminal.
- Remove the rubber straps and take out the battery.

ASSEMBLY OF BATTERY ON MOTORCYCLE



- Locate the battery in the carrier.
- Secure the battery to the carrier with the rubber strap.
- Connect the +VE and -VE terminals to the respective cables and smear petroleum Jelly on the terminals.
- Position the battery cover over the lugs on top and close the cover.

- Turn the key anticlockwise and push the lock into the locator and turn the key clockwise such that the cover is locked in position.
- Release Key and remove from the lock.

CAUTION

- Do not use battery with low charge as the battery internals will get damaged.
- Clean the wire terminals free of corrosion and keep the terminals coated with petroleum jelly.

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 (-) 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

Usage of frequency for 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.

Battery 12V - 12Ah

- Your Battery is a maintenance free type and can be permanently damaged if the cap strip is removed.
- It is not necessary to check the battery electrolyte level or add distilled water as the battery is a maintenance free (Sealed type).

CHANGING ELECTRICAL COMPONENTS

HEADLAMP BULB REPLACEMENT







- Loosen the rim holding screw on top and take out the head light reflector.
- Disconnect the wiring coupler over the bulb.
- Remove the rubber grommet from the bulb.
- Press the clip by thumb to release the free end from bulb holder.
- Pull out the bulb.

ASSEMBLING THE HEAD LAMP BULB









1. Refix the new halogen bulb into reflector unit of the headlamp.
2. Gently press the bulb holding clip and lock the free end in its slot.
3. Fit the rubber grommet.
4. Connect the electrical connections carefully & assemble the headlamp in the reverse order of dismantling.

CAUTION



Never touch the bulb with your fingers, Finger prints will etch the glass and decrease bulb life. Always hold the bulb with paper or clean dry cloth during handling.

TAIL LAMP BULB

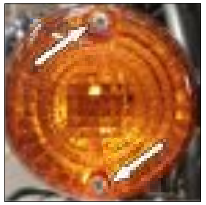






- Remove the two nuts each from Right & Left side of the rear number plate holder.
- Pull out Tail Lamp assembly along with bracket and twist the bulb holder in anticlockwise to remove bulb holder assembly.
- Turn old bulb to remove and replace with a new bulb.
- Refit the bulb holder and turn clockwise to lock the bulb holder.
- Refit the tail lamp with bracket on the reverse order of removal process.

TRAFFICATOR BULB



- Remove the screws & take out trafficator glass cover.
- Press bulb gently & Turn anti-clockwise to take out the bulb.
- Position the new bulb inside holder, ensuring that the pins in the bulb, match with the slots in the holder.
- Gently press the bulb and turn clockwise to lock the bulb in the holder.
- Refit the trafficator glass and screws, ensuring the lens slot / cut mark is at the bottom.

BRAKE PAD WEAR

- Brake pad wear depends upon the severity of usage, the type of riding and road condition.

Front Brake



Check the wear indicator mark on each pad. if either pad is worn to the wear indicator mark. replace both pads as set. Visit royal enfield dealer for this service.

Rear Brake



Check the wear indicator mark on each pad. if either pad is worn to the wear indicator mark. replace both pads as set. Visit royal enfield dealer for this service.

MINOR MAINTENANCE TIPS

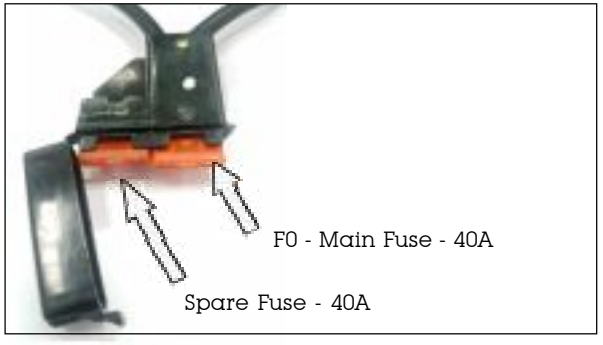
FUSE

- Open the left tool box.
- Replace the required fuse with the spare fuse available in the fuse carrier.
- The blade fuses are located in the carrier and differently coloured for identification.

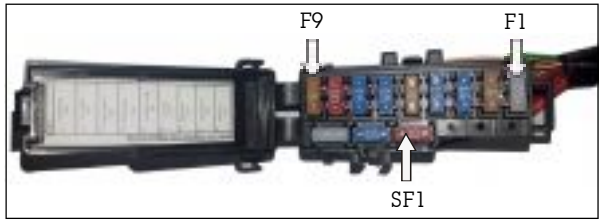
NOTE

Please ensure to replace a spare fuse in the holder at the earliest opportunity.

RELAY STARTER - FUSE BOX



HARNESS MAIN CABLE FUSE BOX



Fuse ID	Description	Rating
F1	CHARGING FUSE	25A
F2	TAIL LAMP FUSE	5A
F3	IGNITION FUSE (EFI)	15A
F4	SIGNALLING FUSE	15A
F5	SPARE FUSE	5A
F6	LIGHTING FUSE	15A
F7	ABS MAIN 1	15A
F8	ABS MAIN 2	10A
F9	ABS IGNITION	5A
SF1	SPARE FUSE	10A
SF2	SPARE FUSE	15A
SF3	SPARE FUSE	25A

CAUTION

- Switch the ignition key to OFF before replacing the fuse to avoid possible short-circuits.
- When replacing a blown fuse, it is important to use only a fuse having the correct amperage rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected.

LONG TRIP PRECAUTIONS

Checks prior to the commencement of long journey

- Service the motorcycle at a Royal Enfield Authorised Dealer / Service Center.
- Ensure sufficient quantity of petrol in the fuel tank for the journey planned.
- Check and correct tyre pressure if necessary.
- Ensure sufficient Brake pad thickness available.

Checks after every 1500 kms of run

- Any loose fasteners.
- Condition of the tyres.
- Electrolyte level in the battery.
- Correct oil level in engine.
- Working of all lights and horn.
- Proper drive chain tension.

Items to be carried

- Tool kit
- First aid kit.
- Bulbs for Headlight, Trafficator light, Rear Tail Lamp, Mini Blade Fuse (25A, 15A, 10A, 5A) and Blade Fuse - 40A.
- Accelerator, Clutch and Front brake cables.
- Rear chain master link lock assembly.
- Insulation tape.
- Spark plug, Spark plug cap, Fuel hose.
- Spare tubes.

WASHING PROCEDURE

PRECAUTIONS

- Wash motorcycle when the engine is cold.
- Cover the silencer, tail pipe, horn and control switches with suitable plastic bags and tie it firmly to prevent water entry.
- Remove ignition key and seal key hole using adhesive tape.
- Brush engine area with a solvent to remove dirt or grease.
- Use low pressure jet of water to clean.
- Never spray water with great force on head lamp, speedometer, flasher lights, front and rear wheel hubs, electrical connections and wires, control cables, throttle body, spark plug, battery etc.
- Do not apply any corrosive solvent on painted surfaces or rubber parts.
- Use luke warm water and mild detergent on the painted components to remove dirt, etc.
- Rinse motorcycle thoroughly with plain water to remove the detergent.
- 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 or near coastal areas it is recommended to wash your motorcycle with cold water. 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.

AFTER WASHING

- Ensure, the motorcycle is thoroughly dry by wiping with a clean soft absorbent cloth or chamois leather.
- Remove all plastic bags and adhesive tapes.
- Lubricate control cables, pivot and rear chain with lube oil.
- Start engine and allow to run at idling speed for a few minutes to warm up engine.
- Drive the motorcycle slowly, applying both brakes intermittently to dry up the water in the brake shoes.

STORAGE PRECAUTIONS

Incase your Motorcycle is not going to be used for a month or more, the following precautions should be taken.

- Get the motorcycle service through a Royal Enfield Authorised Dealer / Service Center.
- Drain fuel tank & fuel line.
- Spray engine oil inside the fuel tank to prevent rusting.
- Remove spark plug. Pour in about 25ml of clean engine oil through spark plug hole. Close the hole and crank engine several times and refit spark plug.
- Clean rear chain thoroughly and apply a thin film of lub oil.
- Remove battery from the motorcycle. Clean the terminals free of corrosion and apply petroleum jelly to terminals.
- Store the battery in a cool, dry and well ventilated place.
- Cover the silencer with plastic 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 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 Dealer / Service Center to ensure the motorcycle is restored to its peak operating conditions.
- If the motorcycle is not used for a month or longer, It is advised to disconnect Battery terminals and remove the battery. Before refitting the battery in the motorcycle, check the battery voltage is within specification, if not, recharge it from authorized service workshop / battery dealer.

TROUBLE SHOOTING

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
Engine Does not start	1. Ignition/Engine stop switch is in "OFF" position.	Switch "ON" Ignition / Engine stop switch.
	2. Very low / No fuel in the fuel tank.	Check Fuel level / fuel meter and fill fuel.
	3. Lights / horn very dim.	Weak/Discharged battery. Replace Battery.
	4. Electricals not working.	1. Battery completely dead. Replace battery. 2. 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 immediately	1. Engine shuts off as soon as throttle is closed.	Idling RPM set too low / setting disturbed. Contact Authorised Service Center for resetting the Idling RPM.
	2. Engine Starts but Shuts of immediately	Check if the MIL Lamp is glowing; If yes, Contact Authorised Service Center.

TROUBLE SHOOTING

Symptom	Observations	Check for / Remedy
Engine Misfires & Runs Erratically/ Stops	1. Typically happens after a Refill / Adulterated / Water in Fuel.	Drain out entire fuel and Refill with fresh fuel from a reputed filling station.
	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 Pickup	Engine RPM raises improportionately to motorcycle speed.	Clutch is Slipping. Check for sticky clutch/ clutch not having any free play.
	Rear Chain excessively loose causing chain to slip on Sprocket.	Adjust Rear chain to correct tension.
ABS (Anti lock Braking system)	ABS lamp continuously ON.	Take the vehicle to service center for diagnosis.

WARRANTY TERMS & CONDITIONS

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 Center, free of charge within a period of 3 years / 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 Center 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 services are availed in the respective period / kilometer ranges as per the schedule in the owner's manual from RE Authorised Dealer / Service Center.
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. 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.

(b) Components like fuel filter, oil filter, Air filter paper element, control cables, brake shoes / brake pads, clutch plates, 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.
(i) Motorcycle serviced or repaired at unauthorised service centers.
(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.

8. RE reserves the right to finally decide on all warranty claims.
9. RE reserves the right to make changes in design of the motorcycle without any obligation to install these changes on previously supplied motorcycles.

EMISSION WARRANTY

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 motorcycles, in normal use to which it may be subjected to.

This emission warranty comes into force from 01st July 2001 and is valid for a period of 30,000 Kms. or 36 months, whichever occurs earlier, from the date of sale 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 warranty that if on examination by its Authorised Dealer / Service Center, the motorcycle fail to meet the specified emission standards, then the Authorised Dealer / Service Center shall take necessary corrective measures and shall at its sole discretion, repair or replace free of charge such 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 Dealer / Service Center and results of such 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.

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 Dealer / Service Center 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 Dealer / Service Center.

EMISSION WARRANTY

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

That cost/s 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 Center upon discovery of failure to comply with the IN-USE 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.
- Produces the 'Pollution Under Control' certificate valid for the period immediately preceding the test during which the failure is discovered, the test having been carried out either for obtaining a new certificate or pursuant upon being directed by an officer as referred to in sub rule (2) of rule 116 of the Central Motor Vehicles Rules (CMVR).
- 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 R T O 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 Center 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.

EMISSION WARRANTY

- Replacement parts not specified and approved by Royal Enfield have been used.
- The motorcycle, or parts thereof, 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 Center, 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 is 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 and authorised emission checking center.
- Always carry a valid 'Pollution Under Control' certificate with you at all times during the validity of the emission warranty (30,000 Kms / 3 years from the date of first sale)

TIPS TO REDUCE POLLUTION

- Ensure that the periodical maintenance is carried out as stipulated in the owner's manual through a Royal Enfield Authorised Dealer / Service Center.
- Use only Unleaded petrol (> 87 octane) 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.

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 ITEMS 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 OR 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 to be genuine.

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 ageing of parts such as fuel hoses, vapor hoses, gaskets & 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 DEALER AND USING ONLY GENUINE ROYAL ENFIELD SPARE PARTS.

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, 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.

CLEANING OR WASHING YOUR ROYAL ENFIELD

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

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

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.

* 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.

* Labour is free for this services alone.

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 - 122 015, 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.

S2 - Karnataka

Royal Enfield (A Division of
Eicher Motors Limited)
Door No. 2067/1, 2068/2,
East End - 'A' Main, 9th Block,
Jayanagar, Bangalore - 560069

S3 - Tamilnadu

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

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)
25/85A, Opp. Indian oil Petrol
Pump, Koonamthai,
Edappally Post, Cochin - 24.
PH - 07702302220

WEST

W1 - Gujarat

Royal Enfield (A Division of
Eicher Motors Limited)
103 Safal Prelude, Opposite
Parsavanath Esquire cross
Road, Corporate Road, Prahlad
Nagar, 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.

NOTES

Royal Enfield recommended lubricants



Royal Enfield recommended add ons to maintain your vehicle.



ROYAL ENFIELD

Part No. RAM00208/A

ROYALENFIELD.COM