# **Classic 350 Owner's Manual**



### Foreword

We congratulate you on your choice of the legendary Royal Enfield motorcycle and welcome you to the exciting world of motorcycling on a Royal Enfield. This manual will help you to operate your Classic 350cc 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 the four free services at the nearest Authorised Service centre, at the appropriate time to maintain your Classic 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 Classic Motorcycle.

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### Notice

All information in this manual is based on the latest product information available at the time of publication. Due to continues improvements or other changes, there may be discrepancies between information in this manual and your vehicle. Royal Enfield reserves the right to make production changes at any time without prior notice and without incurring any obligation to make same or similar changes to vehicles 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 specification are subject to change without prior notice.

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# Personal & Vehicle Information



## Free Service Record

It is our endeavour to provide excellent service to your Classic 350 at all times. Towards this we provide 4 free services at specific Intervals.

Please avail these services at the specified time, in any of the Royal Enfield Dealerships / Authorised service centres nearest to you and as a token of satisfactory services, kindly return the free service coupon duly filled in and signed, to the service outlet.

Availing the free services in the specified time is a prerequisite for warranty consideration. The cost of fuel, oil, grease etc. used for all free services are chargeable to the customer.

|                                       | 1 <sup>st</sup> Service |  |   | 2 <sup>nd</sup> Service |  |  |   | 3 <sup>rd</sup> Service |  |      |  | 4 <sup>th</sup> Service |  |          |   |          |  |          |  |  |  |   |
|---------------------------------------|-------------------------|--|---|-------------------------|--|--|---|-------------------------|--|------|--|-------------------------|--|----------|---|----------|--|----------|--|--|--|---|
| Date of Service                       |                         |  |   |                         |  |  |   |                         |  |      |  |                         |  |          |   |          |  |          |  |  |  |   |
| Kms Covered                           |                         |  |   |                         |  |  |   |                         |  |      |  |                         |  |          |   |          |  |          |  |  |  |   |
| Servicing<br>Dealer's Name<br>Address | ·                       |  | • | •                       |  |  | - |                         |  | <br> |  |                         |  | <u>.</u> | - | <u> </u> |  | <u>.</u> |  |  |  | • |

 ${\bf NOTE}$  : Please ensure that the free service details are recorded in this sheet immediately after the service is carried out.

# **Specifications**

### ENGINE

| Engine Type         | 4 Stroke, OHV, Dual<br>Spark Ignition, air<br>cooled, single Cylinder |   | Rear W<br>Cooling |
|---------------------|---|---|-------------------|
| Bore                | 70mm  |   | TRANS             |
| Stroke              | 90mm  |   | Clutch            |
| Swept volume        | 346cc   |   | Primar            |
| Compression ratio   | 8.5:1   |   |                   |
| Max Power @ rpm     | 19.8 BHP @ 5250 rpm   |   | Primar            |
| Max Torque @ rpm    | 28 Nm @ 4000 rpm  |   | Gear bo           |
| Idle rpm            | 1050±200 rpm  |   | Gear ra           |
| Starting            | E'Start / Kick Start  |   |                   |
| Air filter element  | Paper element   |   |                   |
| Carburettor         | Ucal - BS 29  |   |                   |
| Lubrication         | Wet Sump  |   |                   |
|                     | Forced lubrication  |   | Seconda           |
| Engine oil capacity | 2.75 lits   |   | Second            |
| Engine oil grade    | Motul 3000 4T Plus  |   | Drivo C           |
|                     | 15W50, API SL JASO MA   |   | DIIVEC            |
|                     |   | 6 |                   |
|                     |   |   |                   |

| FD Sprocket<br>Rear Wheel Sprocket<br>Cooling | 16 Teeth<br>38 Teeth<br>Natural air flow |
|---|--|
| TRANSMISSION                                  |  |
| Clutch  | Wet multiplate (6plates)                 |
| Primary drive                                 | 3/8" Duplex chain<br>& sprocket          |
| Primary ratio                                 | 2.15:1                                   |
| Gear box                                      | Constant mesh 5 Speed                    |
| Gear ratio                                    | $1^{\rm st}$ - 3.06 : 1                  |
|   | 2 <sup>nd</sup> - 2.01 : 1               |
|   | 3 <sup>rd</sup> - 1.52 : 1               |
|   | $4^{\rm th}$ - 1.21 : 1                  |
|   | 5 <sup>th</sup> - 1 : 1                  |
| Secondary drive                               | 5/8" Chain & Sprocket                    |
| Secondary ratio                               | 2.375:1                                  |
| Drive Chain links                             | 100 links                                |

# ${f Specifications}$

### CHASSIS

| Frame                |   | Tubular   |
|----------------------|---|---|
| Suspension : Front   |   | Telescopic, hydraulic damping 130mm                               |
| Rear                 |   | Swing arm with gas<br>filled shockabsorbers                       |
| Fr. Fork oil capacit | y | 195 ml per leg  |
| Front fork oil       |   | 1F (Endurance Fork Oil)   |
| Brakes : Front       |   | Hydraulic 280 mm<br>ventilated disc                               |
| Rear .               |   | Foot operated 153 mm<br>single lead, internal<br>expanding (drum) |
| Brake Oil Capacity   |   | 60ml  |
| Brake Oil Grade      |   | DOT 3 or DOT 4  |
| Tyre size : Front    |   | $3.25 \times 19 - 4$ PR/6PR                                       |
| Rear.                |   | 110/90 X 18 - 61P   |

### TYRE PRESSURE

| I I IVII I IVIIA | NO CIULI        |  |  |  |
|------------------|-----------------|--|--|--|
| Solo :           | Front<br>Rear   | 20 psi/1.41kg/cm <sup>2</sup><br>30 psi/2.11kg/cm <sup>2</sup> |  |  |
| With Pillion     | : Front<br>Rear | 22 psi/1.55kg/cm²<br>32 psi/2.20kg/cm²                         |  |  |
| Fuel tank caj    | pacity          | 13.5 litres  |  |  |
| Reserve          |                 | 2 litres approx.   |  |  |
| ELECTRICA        | LS              |  |  |  |
| Generation       |                 | Alternator/magneto   |  |  |
| System           |                 | 12V - DC   |  |  |
| Ignition         |                 | Digital Dual Spark<br>Ignition, TCI System                     |  |  |
| Battery          |                 | 12V - 14AH, MF   |  |  |
| Spark plug       |                 | Mico /W5DC (M14)<br>Super Bosch /UR5DC<br>(M10)                |  |  |
| Spark plug g     | ар              | 0.7 to 0.8 mm  |  |  |
| Head lamp        |                 | 12V, 60 / 55W<br>Halogen                                       |  |  |
|                  |                 |  |  |  |

# **Specifications**

| Brake / Tail lamp      | 12V, 21 / 5 W    |
|------------------------|------------------|
| Speedometer lamp       | 12V, 3.4W        |
| Neutral lamp Tell tale | 12V, 2W          |
| Turn Signal Tell Tale  | 12V, 2W          |
| Turn signal            | 12V, 10W - 4 nos |
| Horn                   | 12V DC           |
| Starter Motor          | 12V, 0.7KW       |
| WEIGHTS                |                  |
| Kerb weight            | 182 Kgs.         |
| Max. pay load          | 168 Kgs.         |

### DIMENSIONS

| Length               | 2160 mm                           |
|----------------------|-----------------------------------|
| Width                | 800 mm                            |
| Height               | 1050 mm                           |
| Wheel base           | $1370 \text{mm} \pm 20 \text{mm}$ |
| Ground clearance     | 135 mm                            |
| Saddle height        | 800mm                             |
| Rear Chain Slackness | 25-30mm                           |

### NOTE :

- Values 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. 8

# 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 vehicle.

### NOTE :

Indicates important and useful messages for clear understanding.

## Safe and Happy riding

### RIDING DRESS

• A proper riding apparel

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 your motor-cycle.

- A pair of riding boots or shoes.
- Soft leather gloves.
- Goggles or spectacles to safe guard eyes.
- An ISI certified helmet. Affix light reflecting strips of stickers at the front and rear.

#### SITTING POSTURE

Correct sitting posture is a pre-requisite for stable and safe riding :

- Sit Straight with your shoulders completely relaxed.
- Keep your elbows close to your body.

- Keep your toes in straight ahead direction.
- Slightly press the knee pad of petrol tank with the knees.
- Hold the handle grip close to its inner end.
- Look extensively, including rear view mirror, without turning the head.

### BRAKING

• Use both front and rear brakes together for maximum braking efficiency.

### WARNING

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

The hydraulic disc brake, fitted on your Classic 350requires very less effort and high effort or sudden application may lock the wheel. Please use utmost caution while applying the hydraulic disc brake.

• While riding on wet or bad road conditions use brakes cautiously.

# Vehicle Identificaton Numbers

### FRAME NUMBER

### ENGINE NUMBER

Punched on steering head tube RH side.

Punched on top of the engine LH side.





# Location of Key Parts

TOP VIEW

| UF V | IE W                 |                       |                              |
|------|----------------------|-----------------------|------------------------------|
|      | 4 3                  | 5 6 7 8               | 9 10 12                      |
| 1.   | Turn Signal Switch   | 5. Ignition Switch    | 9. Brake Lever               |
| 2.   | Horn Button          | 6. Speedo Meter       | 10. Pilot & Head Lamp Switch |
| З.   | Head Lamp Dip Switch | 7. Ammeter            | 11. E-Start Switch Button    |
| 4.   | Cluth Lever          | 8. Engine Kill Switch | 12. Petrol Tank Cap          |

# Location of Key Parts

LEFT SIDE VIEW

4. Battery Box Cover

Seat - Rider

5.



| 10. | Centre | Stand |
|-----|--------|-------|
|     |        | 13    |

9. Side Stand

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# Location of Key Parts

**RIGHT SIDE VIEW** 

4. Head Light

Front Number Plate

5.



| - 1 |     |
|-----|-----|
|     | - 4 |
|     |     |

14. E-Start Motor

9. Kick Start Lever

10. Silencer

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### **IGNITION SWITCH**

OFF



### FUEL TANK CAP

Turn Key Clockwise to open

• During fuel tank cap lift position key willnot come out.





Gently press Lid to close.

NOTE :

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ON



### SIDE BOX

Tool Box LH Turn Key anticlockwise to open

Air Filter Box RH

Turn Key anticlockwise to open

#### NOTE :

- Key is common for ignition, petrol tank cap, steering lock, side boxes and battery cover.
- Key for fuel tank and tool boxes can be removed from the lock only in locked condition.

### STEERING LOCK

Turn Key clockwise to lock



Turn Key anticlockwise to unlock



### NOTE :

• Turn handle bar to extreme left, before attempting to lock the steering.

### BATTERY CARRIER

BATTERY BOX COVER Turn Key clockwise & lift the battery box cover gently



FUSE LOCATION Open LH side box cover to check fuse condition



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OFF

### ELECTRIC START SWITCH

E-START BUTTON



ENGINE STOP SWITCH





| HEAD LIGHTS SWITCH |     | DIMMER SWITCH |  |
|--------------------|-----|---------------|--|
| OFF                |     | High Beam     |  |
| Pilot ON           |     | Low Beam      |  |
|                    | *** | Flach button  |  |
| Head Lamp ON       |     | Flash buttoll |  |
|                    | 1   | 8             |  |

### TURN SIGNAL SWITCH

Left turn signal ON  $\bigcirc$ 

OFF (Push top off)



Right turn signal ON  $\Rightarrow$ 





CAUTION :

HORN

Depress

Choke



Choke should be used only to start a cold • engine. Riding the motorcycle with the choke 'ON' will increase pollution and result in high fuel consumption and loss of power.

# **Operation of Controls / Pre Operational Checks**

### FUEL TAP

OFF Turn knob to horizontal position

Main ON Turn knob downward position

Reserve ON Turn knob upward position



- 1. Petrol level in the tank and leaks.
- 2. Operate and free play of front and rear brakes.
- Front Brake

Rear Brake







# Pre Operational Checks

- 3. Free play and smoothness of all operating cables.
- 4. Free movement of steering
- 5. Battery electrolyte level.
- 6. Any cuts, cracks in the tyre and correct tyre pressure.



7. Brake fluid is above the 'min' level in the master cylinder.

 Lub oil level should be in between "MAX " & "MIN" Level. Top up if necessary. Do not overfill above maximum level.



NOTE :

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Start engine, run for 2 minutes before checking oil level  $% \left[ {\left[ {{{\left[ {{C_{\rm{s}}} \right]}} \right]_{\rm{s}}}} \right]} \right]$ 

9. Operation of all electrical parts.

## Running in

The Classic 350, as you would be experiencing, is capable of consistent high speeds. However as with any new motorcycle, a "running-in" is essential during the first 2000 kms to achieve optimum performance subsquently.

The following tips will help in proper bedding of a new motorcycle.

1. During the first 2000 Kms of run, do not

exceed the following speed limits.

- 2. Do not exceed maximum pay load as specified. 3. Warm up the engine for a few minutes to allow
- oil for all engine parts before riding the bike. 4. Do not ride in constant throttle for long
- distances. Vary the speed by 10%.
- 5. Avoid sudden revving and racing starts.

| Vehicle<br>Speed<br>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        |
|                          | 22            |                |

# Starting

### USING KICK START

- Turn fuel tap to 'ON'
- Use choke if required (E.g.. When starting a cold engine in winter season).
- Switch on ignition.



- Ensure gear is in neutral position. **NOTE :**
- Neutral position is indicated by neutral light on the cockpit.
- To shift into neutral, move the motorcycle back and forth gently, while shifting the gear.

### CAUTION :

- 1. Attempting to shift gears without moving the motorcycle back and forth, may damage gears.
- 2. Slightly crank engine further till compression eases over.
- Start the motorcycle with a powerful swinging kick.
- Release the choke, if applied.



## Starting & Gear Shifting

### USING THE ELECTRIC START

• Press the clutch lever and press starter button and release once the engine starts.



### NOTE :

If the engine does not start, wait for 30 seconds before pressing the starter button again.

### CAUTION :

• Please ensure that the gears are in neutral before starting the motorcycle.

- Press Starter button and release starter switch once the engine starts.
- A Clutch switch is provided in the system for the safety of the rider. When the vehicle is gear, the vehicle cannot be started - To start in gear operate the clutch lever, press Starter button and release starter switch once the engine starts.
- Warm up engine for 2 minutes till idling is consistent.
- $\bigcirc$  Operate clutch lever.
- $\bigcirc$  Press gear pedal with toe to engage  $1^{\rm st} {\rm gear}.$



# Riding, Stopping & Parking

- Gently open throttle and realease clutch simultaneously. If clutch is released suddenly, the engine may stall and cause the motorcycle to move with a jerk.
- To shift to 2<sup>nd</sup> and higher gears, close throttle, operate the clutch lever and press the gear pedal with heel.



To stop the vehicle, close throttle, apply front brake with right hand and rear brakes with right leg simultaneously. Shift gears into neutral before the motorcycle just comes to a complete stop.

- Turn the ignition switch to 'OFF' position.
- Turn fuel tap 'OFF'



 $\ensuremath{\textbf{NOTE}}$  : Gear shift pedal is on the left side of the motorcycle.

## Parking

### PARKING VEHICLE ON CENTRE STAND

- Select a firm, flat surface.
- Hold handle bar straight.
- Lower centre stand, such that, both the legs of the stand are resting on firm ground.
- Apply pressure on the fulcrum lever on the centre stand and pull vehicle backward.



### PARKING VEHICLE ON SIDE STAND

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



### 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.

## Tools & First Aid Kit





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Qty.

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FIRST AID KI

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## Periodical Maintenance

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

| S.<br>No | DESCRIPTION   | FRI<br>whic | EE S<br>heve | ERV<br>rise | ICE<br>arlier |       | F     | AID    | SER    | VIC   | Ð     |    |
|----------|---|-------------|--------------|-------------|---------------|-------|-------|--------|--------|-------|-------|----|
|          | Kms (x 1000)  | 0.5         | 3            | 6           | 9             | 12    | 15    | 18     | 21     | 24    | 27    | 30 |
|          | Months  | 1.5         | 3            | 6           | 9             |       |       |        |        |       |       |    |
| 1        | Engine Oil  | R           | Ι            | R           | Ι             | R     | Ι     | R      | Ι      | R     | Ι     | R  |
|          |   | Ch          | eck l        | evel a      | t evei        | y 500 | ) Km  | s or e | arliei | as re | equir | ed |
| 2        | Engine oil filter element                               | R           |              | R           |               | R     |       | R      |        | R     |       | R  |
| 3        | Engine suction filter and Secondary drain magnetic plug | С           |              | С           |               | С     |       | С      |        | С     |       | С  |
| 4        | Spark plug - 2nos.                                      | Α           | Α            | Α           | Α             | Α     | R     | Α      | Α      | Α     | Α     | R  |
| 5        | HT leads for crack                                      | Ι           | Ι            | Ι           | Ι             | Ι     | Ι     | Ι      | Ι      | Ι     | Ι     | Ι  |
| 6        | Air filter element                                      | С           | С            | С           | С             | R     | С     | С      | С      | R     | С     | С  |
| 7        | Carburettor   |             |              |             | Cl            | ean,  | Inspe | ect ar | nd Tu  | ne    |       |    |

 $A: Adjust \quad C: Clean \qquad D: De-carbonise \quad I: Inspect \qquad L: Lubricate \qquad R: Replace$ 

# Periodical Maintenance

| S.<br>No | DESCRIPTION                                      | FR.<br>whic | EE S<br>heve | ERV<br>rise | ICE<br>arlier |      | F    | PAID  | SER  | VIC   | Ð     |    |
|----------|--|-------------|--------------|-------------|---------------|------|------|-------|------|-------|-------|----|
|          | Kms (x 1000)                                     | 0.5         | 3            | 6           | 9             | 12   | 15   | 18    | 21   | 24    | 27    | 30 |
|          | Months   | 1.5         | 3            | 6           | 9             |      |      |       |      |       |       |    |
| 8        | Fuel Tap   | С           | С            | С           | С             | С    | С    | С     | С    | С     | С     | С  |
| 9        | Fuel tank  |             | С            |             | С             |      | С    |       | С    |       | С     |    |
| 10       | Fuel hose  | Ι           | Ι            | Ι           | R             | Ι    | Ι    | Ι     | R    | Ι     | Ι     |    |
| 11       | Accelerator and carburetor cable play Adjustment | Α           | Α            | Α           | Α             | Α    | Α    | Α     | Α    | Α     | Α     | Α  |
| 12       | Rubber hose, Air filter to Carburettor           | Ι           | Ι            | Ι           | Ι             | R    | Ι    | Ι     | Ι    | R     | Ι     | Ι  |
| 13       | Rubber hose, Inlet manifold                      | Ι           | Ι            | Ι           | Ι             | R    | Ι    | Ι     | Ι    | R     | Ι     | Ι  |
| 14       | Inlet / Exhaust valve seating                    |             |              |             |               | Ι    |      |       |      |       | Ι     |    |
| 15       | Cylinder head                                    |             |              |             |               |      |      |       |      |       |       | D  |
| 16       | Exhaust system                                   |             |              |             |               |      |      |       |      |       |       | D  |
| 17       | Clutch free play                                 | Ad          | ljust        | ever        | y 100         | 00 K | ms o | r eai | lier | as re | quire | əd |
| 18       | Rear brake pedal pivot                           |             | L            | L           | L             | L    | L    | L     | L    | L     | L     | L  |
| 19       | Battery terminals (apply petroleum jelly)        | С           | С            | С           | С             | С    | С    | С     | С    | С     | С     | С  |
| 20       | Battery Electrolyte level                        |             | Ι            | Ι           | Ι             | Ι    | Ι    | Ι     | Ι    | Ι     | Ι     | Ι  |
| 21       | Earth wire eyelet (behind battery carrier)       |             |              |             |               | Ι    |      |       |      |       |       | Ι  |

A: Adjust C: Clean D: De-carbonise I: Inspect

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L : Lubricate R : Replace

# Periodical Maintenance

| S.<br>No | DESCRIPTION                                       | FRI<br>whic | EE S<br>hever | ERV<br>rise | ICE<br>arlier |      | F     | AID   | SER     | VIC    | Ð      |       |
|----------|---|-------------|---------------|-------------|---------------|------|-------|-------|---------|--------|--------|-------|
|          | Kms (x 1000)                                      | 0.5         | 3             | 6           | 9             | 12   | 15    | 18    | 21      | 24     | 27     | 30    |
|          | Months  | 1.5         | 3             | 6           | 9             |      |       |       |         |        |        |       |
| 22       | Rear Chain  | Ad          | just e        | every       | 1000          | Kms  | or ea | rlier | as re   | quire  | d      | R     |
|          |   | Lu          | brica         | ite ev      | very          | 1000 | Km    | sor   | earlie  | er as  | requ   | iired |
| 23       | Front Fork oil                                    |             |               | Ι           |               | R    |       | Ι     |         | R      |        | Ι     |
|          |   | Ch          | eck le        | evel e      | very          | 1000 | Kms   | or ea | rlier a | as rec | fuired | 1     |
| 24       | Hand levers & kick starter pivot                  | Lu          | brica         | ite ev      | very          | 1000 | Km    | sor   | earlie  | er as  | requ   | iired |
| 25       | Rear brake play                                   | Ad          | just          | ever        | y 100         | 00 K | ms o  | r ear | lier a  | as re  | quire  | ed    |
| 26       | Rear brake cam                                    |             |               | L           |               | L    |       | L     |         | L      |        | L     |
| 27       | Steering ball races / Play Adjustment             |             |               | Α           |               |      | L     |       | Α       |        | L      | Α     |
| 28       | Spokes tightness & Wheel rim run out front / rear | Ι           | Ι             |             | Ι             |      | Ι     |       | Ι       |        | Ι      | I     |
| 29       | Swing Arm spacer & pivot                          |             |               | L           |               | L    |       | L     |         | R      |        |       |
| 30       | Tyre wear   |             | Ι             | Ι           | Ι             | Ι    | Ι     | Ι     | Ι       | Ι      | Ι      | Ι     |

 $A: Adjust \quad C: Clean \qquad D: De\text{-}carbonise \quad I: Inspect \qquad L: Lubricate \qquad R: Replace$ 

Note : For Maintenance after 30,000 Kms, Please repeat the same frequency specified above, in consultation with a Royal Enfield Authorised Service Centre.

## **Recommended** Lubricants

| Engine Oil     |   |
|----------------|---|
| Grade          | MOTUL 3000, 4 T Plus ,15 W 50 API SL Grade, JASO MA |
| Capacity       | 2.75 Litres   |
| Front Fork Oil |   |
| Grade          | Royal Enfield Front Fork Oil (Endurance)            |
| Capacity       | 195 ml/leg  |
| Brake Fluid    |   |
| Grade          | DOT 3 or DOT 4                                      |
| Capacity       | 60ml  |

### CAUTION :

Use of Wrong grade oil can reduce the life of the moving parts and seriously affect performance. NOTE :

Recommendation subject to change without notice.

\* Common oil for Engine, Gear box & Clutch

## Do it yourself

The following simple maintenance activities will help in maintaining your motorcycle. However for an elaborate maintenance, we recommend you to get it done at a Royal Enfield Authorised Service Centre.

### CONTROL CABLES

Lubricate after using the motorcycle in rain, after waterwash or if used in dusty conditions.



### HAND LEVER & KICK STARTER 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.



# Do it yourself

### **OIL LEVEL INSPECTION**

## Place motorcycle on its centre 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 with recommended oil if required.



CAUTION :

•

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

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### BRAKE FLUID

Check if oil is below 'min' level. To top up, remove cover and diaphragm and top up with DOT 3 or DOT 4 as specified.



## Do it yourself

### SPARK PLUG

### Cleaning and adjusting Plug gap

- Two spark plugs are provided • in your vehicle Remove spark plug using the .
- plug spanner and tommy bar.  $\ensuremath{\operatorname{Clean}}$  the insulator tip and
- electrodes of the plug carefully using a pointed scraper or spark plug cleaner.



- cylinder head. Repeat the above procedure for the secondary sparkplug.
- Set the gap between 0.7 to 0.8 mm. • **Tyre Pressure**

|              | e e e e e e e e e e e e e e e e e e e |                                  |
|--------------|---------------------------------------|----------------------------------|
|              | Front                                 | Rear                             |
| Solo         | 1.41 kg/cm <sup>2</sup> (20 PSI)      | 2.11 kg/cm <sup>2</sup> (30 PSI) |
| With Pillion | $1.55 \text{ kg/cm}^2$ (22 PSI)       | 2.20kg/cm <sup>2</sup> (32 PSI)  |

**INSPECTION OF TYRES & WHEELS** 

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

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

- Check and remove stone, splinters, nails or • other particles embedded in the tyre treads.
- Bald spots / swelling may be caused by internal . damage. Replace the tyres, if defective.
- Replace types when the tread depth has reached • the minimum as specified.
- 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. •
- Whenever a new tyre is installed, ensure rim and spokes do not get damaged on account of using wrong levers. Use only standard tyres & tubes inflated to
- correct pressure.
### FRONT WHEEL REMOVAL

- Place the vehicle on center stand
- Place a wooden block the front end of engine to support the vehicle.
- Disconnect speedo cable.
- $\bullet$   $% \left( {{\rm{Loosen}}} \right)$  to bolt on the RH fork guide.



• Remove the axle nut along with washer.



- Tap and remove the front wheel spindle
- Tilt the vehicle to RH Side and take out the wheel along with speedo drive and RH side spacer.
- Take out Speedo drive and bush on the RH side.

• Place a 4 mm thick wooden piece or cardboard sheet between the brake shoes to avoid brake shoes getting locked.

#### CAUTION :

Do not press the front brake lever when wheel is removed as this will result in brake shoes getting locked.

#### FRONT WHEEL REASSEMBLY

- Remove the wooden piece / card board sheet placed between the brake shoes.
- Place the speedo drive bush in position and place speedo drive over it.
- Insert the wheel along with speedo drive and RH spacer between the front fork ends ensuring that the brake disc is located between the brake shoes.
- Insert and tap the front wheel axle gently inside. 36

• Refit the washer and tighten the nut firmly. **NOTE :** 

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



• Tighten the pinch bolt on the RH fork guide.



- Rotate the wheel and check for smooth rotation.
- Connect the speedo cable to speedo drive and check for proper working of speedo meter.

### **REAR WHEEL REMOVAL**

- Place vehicle on center stand on a firm and flat surface.
- Note and mark the position of the chain adjuster butting with the stopper on the right side.
- Remove split pin and castle nut on the RH side.
- Remove wheel spindle from LH side along with chain adjuster, taking care not to drop the wheel collar and spacer from the LH side of the wheel.
- Tilt vehicle to RH side and slide out rear wheel.



### REAR WHEEL REASSEMBLY

- Ensure the four cush rubbers are in position inside the rear wheel hub.
- Tilt vehicle to right and insert wheel assembly between the swing arms.
- Position the rear wheel with cush rubber on the rear chain sprocket.



- Hold wheel collar and spacer in position.
  Assemble the wheel
- Assemble the wheel spindle along with chain adjuster from the LH side of vehicle and gently tap it through the wheel.
- Ensure that the chain adjuster notch butts with the stopper as appropriate when both the front & real wheels are aligned.

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• Tighten the castle nut firmly and ensure that the hole on axle shaft and the slot on castle nut are aligned to enable split pin fitment.

• Fit the split pin.

#### REAR BRAKE PEDAL HEIGHT

- Loosen the lock nut
- Turn in or out the pedal stop pin till the brake pedal and front footrest are in the same height as shown in fig.



- Tighten the lock nut
- Check for free rotation of rear wheel.



### REAR BRAKE

mm.

- Turn in or out the adjuster nut at the brake rod end. The recommanded brake pedal travel is 20 - 30
- Check that the brake is not binding and the rear wheel rotates freely.



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### A WARNING

Please ensure brakes are adjusted to their maximum efficiency. Inefficient brakes can cause an accident.

Drive Chain tension (play 25 - 30 mm)

- Remove rear wheel split pin.
- Loosen castle nut, spindle nut, anchor nut and brake rod nut.
- Turn the adjuster cams on both sides, till 25 to 30 mm slackness is achieved.



• Check and ensure that the number of notches from the punch mark on the cam to the notch resting on the pin are equal on both sides.



• Apply brake and tighten all nuts.

#### ADJUSTMENT OF REAR GAS SHOCK ABSORBER

- The rear gas shock absorber is of adjustable type i.e., the spring tension can be increased or reduced.
- Increase the spring tension for high load operation.
  Reduce the spring tension for low

load operation.



- The adjuster provided on the bottom of the spring has five notches.
- Insert 8mm tommy bar into the eyelet provided on the adjuster.
- Turn the adjuster such that the adjuster moves up to increase the spring tension and vice versa to reduce the spring tension.

- Adjust both left hand and right hand shock absorbers to same position.

### A WARNING

Riding the motorcycle with the notches adjusted in different positions can cause loss of control and may lead to on accident.

### REMOVAL OF BATTERY FROM THE VEHICLE

- Remove the side box cover.
- Disconnect both the terminal wires (negative first and then positive).



- Remove bracket.
- Take out battery.
- Visually check for
  - Electrolyte level

### BATTERY MAINTENANCE

• The vehicle is provided with 12V - 14 AH





- The battery must be periodically checked for
   Cleanliness and corrosion free terminals.
  - Electrolyte level
  - Electroryte lever
  - If electrolyte level is low, top up with distilled water.

#### NOTE :

For checking the battery voltage and electrolyte specific gravity, contact authorised battery service centre.

#### **REASSEMBLY OF BATTERY ON VEHICLE**

- Position the battery in the battery carrier such that the negative terminal of the battery is towards fuel tap.
- Connect the positive terminal (Red wire).
- Connect the negative terminal (Black wire).

- Smear the terminals with petroleum jelly. (Do not use grease).
- Refit the bracket to hold the battery.
- Refit battery carrier cover and lock the same.

#### **CAUTION** :

- Do not use battery with low electrolyte level as the battery internals will get damaged.
- Do not overfill the battery electrolyte as it will spill ot through the over flow pipe and cause corrosion to vehicle parts.
- Use only distilled water meant for use in batteries to avoid damage to battery.
- Clean the wire terminals free of corrosion and keep the terminals coated with petroleum jelly.

### CHANGING ELECTRICAL COMPONENTS Head Lamp bulb

#### CAUTION :

Never touch the bulb with your finger. Finger prints will etch the glass and decrease bulb life. Hence, it is recommended to grab the bulb with paper or clean dry cloth during handling.

### **REMOVING THE HEADLAMP**

• Loosen the rim holding screws -  $1\ \text{on top}$  and 2at the sides and take out the head lamp assembly.



- Disconnect the electrical connections. Remove the rubber grommet and the sealed •
- beam. Thumb push and remove the bulp holding ٠ clamp.
- Remove headlight bulb.

### REASSEMBLING THE HEAD LAMP

1 Refix the new halogen bulb into reflector unit of the headlamp.

2 Gently press  $_{\rm the}$ bulb holding clip and lock in its slot. 3 Fit the rubber grommet.

4. Connect the electrical connections carefully.





• Position the head lamp doom assembly in to the casing and tighten all the mounting screws.

### TAIL LAMP BULB

- Remove the two nuts holding the rear number plate of RH & LH side.
- Remove the three screws holding the tail lamp to the bracket.
- Twist the bulb holder anticlockwise and remove.



- Remove the old bulb and replace with a new bulb.
- Refit the bulb holder and turn clockwise to lock the bulb holder.
- Refit the tail lamp on the bracket and rear number plate in the reverse order of removal.



### FUSE

### FUSE LIST

- Open the LH tool box
- Replace the required fuse with the spare fuse available in the fuse carrier.

| Fuse No. | Fuse Rating | Remarks          |
|----------|-------------|------------------|
| 1        | 15          | For Main Circuit |
| 2        | 10          | For TCI Unit     |



### NOTE :

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

### REAR SEAT REMOVAL & REFITTING

#### Rear Seat Removal

(A) Loosen front mounting nut of the rear seat under the rider seat with 12mm trubular spanner.

(B) Loosen both LH and RH shock-absorber top mounting nuts by holding the bolt with  $3/8" \ge 15/16"$ double end spanner and turning the doom nut with 17mm eyelet spanner.

(C) Take out the front mounting bolt of the rear seat from the bracket under the rider's seat





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(D) Pull the rear seat with its sub frame towards back so that it will become free from the shockabsorber mounting bolts.

(E) Take out the rear seat





#### **Rear Seat Refitting**

(A) Place the rear seat in the position over the rear mudguard, inserting the front end of its sub frame goes to its mounting under the rider's seat.

(B) Ensure the rear mounting brackets are seated properly in the LH & RH shockabsorber mounting bolts.

(C) Insert the front mounting bolt through the bracket under the rider seat.







(D) Tighten the front mounting nut with 12mm tubular spanner holding the bolt with 13mm double end spanner from other side.

(E) Tighten both LH & RH rear shock-absorber top foundation bolt and nuts.





### Washing Proceedure

### PRECAUTIONS

- Wash vehicle when the engine is cold.
- Cover the silencer, tail pipe, carburettor and control switches with suitable plastic bags and tie it firmly to prevent water entry to them.
- Remove ignition key and seal key hole using adhesive tape.
- Brush engine area with kerosene / diesel to remove dirt or grease.
- Use low pressure jet of water to clean the vehicle or engine.
- Never spray water with great force on head lamp, speedometer, flasher lights, front and rear wheel hubs, electrical connections and wires, control cables, carburettor, sparkplug, battery etc.
- Do not apply kerosene or diesel on painted parts or rubber parts.
- Use luke warm water and mild detergent on the painted components to remove dirt, etc.

- Rinse vehicle thoroughly with plain water to remove the detergent and wipe vehicle dry.
- If possible, use compressed air and blow off water particles from the obscure areas of the vehicle, electrical connections, etc.

### After washing

- Ensure, the vehicle is thoroughly dry by wiping with a clean soft water absorbent cloth or chamois leather.
- Remove all plastic bags and adhesive tapes.
- Lubricate control cables, pivot and rear chain with lube oil
- Polish the painted and plated surfaces using polishing wax.
- 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 brake shoes.
- Test brakes for full efficiency.

### **Storage Precautions**

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

- Carryout required repair / adjustments on the motorcycle.
- Wash the motorcycle thoroughly and lubricate as per the maintenance chart.
- Drain fuel tank, fuel line and carburettor.
- Keep the fuel tap in closed position and spray motor oil inside the fuel tank to prevent rusting.
- Remove spark plug. Pour in about 30ml of clean engine oil through spark plug hole. Close the hole and crank engine several times and refit sparkplug.
- Clean rear chain thoroughly and apply a thin film of lub oil >90 grade.
- Remove battery from the bike. Clean the terminals free of corrosion.

- Maintain electrolyte level between max. or min. mark, by adding distilled water and wipe the battery dry.
- Store the battery in a cool, dry and well ventilated place.
- Do not place the battery in direct sun light, near open flame or where temperature is above 40°C or below 0°C
- Cover the silencer with plastic bags to prevent moisture entry. Set the motorcycle on its center stand.
- Apply a thin film of oil on the engine barrel fins, cylinder head fins and other painted parts.
- 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. Keep it covered to prevent dust settling on it.

### **Storage Precautions**

#### Preparing the motorcycle for reuse

- Remove the anti-rust solution from all plated parts and clean the motorcycle well.
- Inflate the tyres to the correct tyre pressure.
- Ensure battery is fully charged and proper electrolyte level is maintained.
- Connect the battery.
- Lubricate all control cables and pivots.
- Check proper level of oil in engine.
- Clean and remove the motor oil from tank and fill tank with fresh petrol.
- Clean carburettor and air filter.
- Remove plastic covering from the silencer.
- Remove spark plug on cylinder head and pour in a few drops of engine oil. Crank engine a

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NOTE :

few times to lubricate cylinder walls and piston. Clean spark plug and refit.

Start vehicle and warm up engine for a few

Do not raise the engine rpm the moment it is started, allow the engine to run at idling speed.

Switch on ignition switch.

minutes before riding the vehicle.

### Long Trip Precautions

### Checks prior to the commencement of long journey

- Service the motorcycle thoroughly a Royal Enfield authorised service centre as per periodical maintenance chart.
- Sufficient quantity of petrol in the fuel tank for the journey planned.
- Correct tyre pressure.

#### Checks after every 1500 kms of run

- Tightness of all fasteners.
- Tyre tread condition and wear of tyres.
- Battery condition and electrolyte level.
- Correct level of oil level in engine, clutch, gear box and front fork.
- Working of all lights and horn.
- Proper chain tension.

#### Items to be carried

- Tool kit
- First aid kit.
- Bulbs for headlight, trafficator light, rear tail lamp and fuse (15Amps & 10Amps).
- Accelerator, clutch, front brake.
- Rear chain link lock assembly.
- Spare tube, tyre puncture repair kit cold vulcanising type.
- Foot operated air pump.
- Insulation tape.
- Spark plug, spark plug cap, fuel hose.
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### Wiring Diagram

### Vehicle Starting Procedure

### Basic Guidelines to be followed "FOR ALL ELECTRIC START VEHICLES"

- 1. When ignition key is switched "ON", please wait until the malfunction indicator lamp(MIL) goes off, (EFI models only) before attempting to start.
- 2. In cold condition of the engine or for initial start, it is advised to use electric start (ES) only.
- 3. Apply choke in cold start condition. (ambient temperature <25  $^{\circ}$  C)
- 4. DO NOT ATTEMPT "HALF START" BY CASUALLY PRESSING ELECTRIC START BUTTON.
- 5. PLEASE PRESS AND HOLD ELECTRIC START BUTTON FOR ATLEAST 3 SECONDS CONTINUOUSLY FOR THE CRANKING OR UNTIL THE ENGINE FIRES AND SUSTAINS, WHICHEVER IS EARLIER.
- 6. If engine doesn't start in the first attempt, release the ES button and repeat the above Procedure.
- 7. It is advised not to apply excessive throttle during starting.

# **Complete Wiring Diagram**



CAUSES

### ENGINE FAILS TO START

#### REMEDIES

| I. ENGINE FAILS TO START |
|--------------------------|
|--------------------------|

1) Ignition switch in 'OFF' Position..... Switch on ignition. Stop switch in 'OFF' Position ..... Push stop switch to 'ON' position. 2) Clean the fuel line / tap. 3) Clogged fuel line / tap..... 4) Vent hole clogged in fuel tank cap ..... Clean vent hole. Dismantle carburetor & clean jets 5) Carburetor passage & jets blocked ......\* ..... / passages 6) Carburetor float stuck in closed position..... Ensure correct movement of float 7) Spark plug cap / lead not connected ..... Fix cap / lead firmly 8) Loose HT connections ..... Fix connections firmly 9) HT Lead Damaged .....\* Replace HT Lead 10) Spark plug electrode dirty / fouled ..... Clean spark plug & Reset gap. 11) Spark plug insulation cracked ..... Replace spark plug

\* Contact Dealer / Authorised Service Centre

#### CAUSES REMEDIES 12) Poor compression : - Auto Decompressor not working ..... Ensure free motion of flyweight in exhaust \* cam gear assembly - Loose spark plug ......\* Tighten spark plug. 13) Clutch slipping ......\* Adjust clutch cable free play **II. ENGINE MISFIRING** 1) Water in petrol tank/carburetor ......\* Clean carburettor / petrol tank. Fill tank with fresh petrol. Tighten rubber hose suitably. 2) Leak through intake hose ..... Replace if necessary Fix cap / lead firmly 3) Loose spark plug cap ..... 4) Spark plug fouled/insulation broken ..... Clean / reset gap or, replace. 5) Poor Compression .....\* Auto decompressor sticky or not working

\* Contact Dealer / Authorised Service Centre

|          | CAUSES  | REMEDIES  |  |
|----------|---|---|--|
| ш        | III. ENGINE STARTS, BUT RUNS IRREGULARLY & STOPS            |   |  |
| 1)<br>2) | Faulty fuel supply<br>Very low idling speed                 | Clean the fuel line / tap / vent hole<br>Increase idling speed  |  |
| IV.      | POOR PICKUP   |   |  |
| 1)<br>2) | Accelerator cable free play excessive<br>Faulty fuel supply | Adjust cable free play<br>Clean the fuel line / tap / vent hole |  |
| 3)       | Choked air filter   | Clean / Replace air filter                                      |  |
| 4)       | Loose carburetor mounting                                   | Tighten clamps firmly   |  |
| 5)       | Brakes adjusted too tight *                                 | Re-adjust properly  |  |
| 6)       | Rear chain adjusted too tight*                              | Re-adjust properly  |  |
| 7)       | Clutch Slipping*  | Adjust clutch cable free play                                   |  |
| 8)       | Under inflated tyres*                                       | Inflate to correct pressure                                     |  |
| 9)       | TPS setting*  | Retard setting  |  |
|          | * Contact Dealer / Authorise<br>55                          | d Service Centre  |  |

|              | CAUSES  | REMEDIES                                     |
|--------------|---|--|
| <b>v</b> . 1 | WHITE/BLUE SMOKE  |  |
| 1)           | Oil level in tank above the middle line in the $^\ast$ oil level window | Check and drain excess oil                   |
| VI.          | ENGINE OVERHEATING  |  |
| 1)           | Cylinder fins not clean   | Clean the cylinder fins at regular intervals |
| 2)           | Clutch slipping*  | Check and correct                            |
| 3)           | Suction leakage*  | Check and correct                            |
| 4)           | Incorrect carburetor adjustments*                                       | Check and correct                            |
| 5)           | TPS setting*  | Advance setting                              |
| VI           | I. EXCESSIVE FUEL CONSUMPTION   |  |
| 1)           | Fuel leakage*   | Check and rectify                            |
| 2)           | Worn out carburetor jets *  | Change the defective jets                    |
|              | * Constant Dealer / Authority   | 1 Country Country                            |

© Contact Dealer / Authorised Service Centre 56

#### CAUSES REMEDIES 3) Incorrect carburetor adjustments ......\* Check and adjust correctly 4) Choked air filter ..... Clean / Replace Poor compression ......\* Auto decompressor sticky or 5) not working properly Under inflated tyres ..... Inflate to correct pressure 6) 7) TPS setting ......\* Over advance setting VIII. IGNITION KNOCK 1) Carburetor adjusted too lean .....\* Check and readjust 2) Suction leakage ......\* Check and correct IX. BRAKES POOR 1) Not adjusted properly ......\* Adjust properly Oil / grease on lining or drum or disc ......\* 2) Clean and refit

\* Contact Dealer / Authorised Service Centre 57

|          | CAUSES                                      | REMEDIES                            |
|----------|---|-------------------------------------|
| 3)       | Linings worn / Uneven wear*                 | Replace linings                     |
| 4)       | Drum scored / Uneven wear*                  | Rectify or Replace drums            |
| X.       | VEHICLE WOBBLES                             |                                     |
| 1)<br>2) | Wheel rim runout*<br>Loose / Broken spokes* | Rectify<br>Tighten / Replace spokes |
| 3)       | Tyres not fitted correctly*                 | Refit types correctly               |
| 4)       | Wheels misaligned*                          | Ensure proper alignment             |
| 5)       | Under inflated tyres                        | Inflate to correct pressure         |
| XI.      | Electricals                                 |                                     |
| Bu       | lbs do not light                            |                                     |
| 1)       | Loose / improper connection*                | Check and correct                   |
| 2)       | Bulb fused*                                 | Replace bulb                        |
| 3)       | Fuse blown*                                 | Replace fuse                        |
|          | * Contact Dealer / Authorise<br>58          | ed Service Centre                   |

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|                          | CAUSES                                     | REMEDIES                     |
|--------------------------|--|------------------------------|
| 4)                       | Switch defective*                          | Replace switch               |
| Ho                       | rn not working                             |                              |
| 1)                       | Loose connections*                         | Check and correct            |
| 2)                       | Requires tuning *                          | Tune horn                    |
| 3)                       | Switch Defective*                          | Replace                      |
| Trafficators not working |  |                              |
| 1)<br>2)                 | Loose / improper connections<br>Bulb fused | Check and correct<br>Replace |
| 3)                       | Switch defective*                          | Replace                      |
| 4)                       | I.C. Flasher defective*                    | Replace                      |
| Brake light remains on   |  |                              |
| (1)                      | Switch not adjusted properly*              | Adjust switch properly       |
| (2)                      | Switch sticky*                             | Replace switch               |

\* Contact Dealer / Authorised Service Centre 59

CAUSES

REMEDIES

#### XII. ELECTRIC START

Vehicle not starting

| veniere not starting                        |  |  |
|---|--|--|
| (1) Neutral indicator not glowing           | Bring the vehicle in neutral                   |  |
| (2) If vehicle is without neutral indicator | Press the clutch lever & start switch together |  |
| (3) Loose Connection *                      | Check & Correct                                |  |
| (4) Starter relay not working*              | Check & Replace                                |  |
| (5) Malfunctioning of clutch switch*        | Check & Replace                                |  |
| (6) Malfunctioning of Starter switch*       | Check & Replace                                |  |
| (7) Battery discharge *                     | Check & Recharge                               |  |
| (8) Motor not working*                      | Check & Replace                                |  |
| (9) Battery not fully charged *             | Check & charge                                 |  |
| (10)Failure of sprag clutch *               | Check & replace                                |  |

\* Contact Dealer / Authorised Service Centre

### Warranty Terms & Conditions

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

Royal Enfield (RE) warrants Classic 350 motorcycle to be free from manufacturing and material defect under normal use subject to following conditions.

- RE will replace or repair defective part / parts at their authorised Dealers, Service point, free of charge within a period of 12 months from the date of sale (date of Installation) or 10,000 kms whichever occurs earlier.
- 2. The warranty is applicable only to first registered owner.
- 3. The warranty shall be applicable only if all the free services are availed at the respective period / kilometer range as per the schedule given in the owner's manual from RE Dealers/ authorised service points.
- 4. During the warranty period, RE's obligations shall be limited to repairing / replacing free of charge such part or parts of the vehicle, which on examination to have manufacturing defect. Such defective part / parts which have been replaced become property of RE.
- 5. Cost of oil, oil filter, fuel and other consumables are chargeable to the customer.
- 6. Claims on proprietary items like tyres, tubes, spark plug, battery etc. should be taken up with respective manufacturer or their authorised agents in the area directly by customer. RE shall not be liable in any manner to replace them though their Dealers will provide assistance in preferring such claims on their manufacturer.
- 7. Warranty shall not apply to:
  - (a) Normal ageing, detoriation or rusting of plated parts paints coat, rubber parts, soft items, glass items, plastic parts etc.

### Warranty Terms & Conditions

- (b) Components like fuel filter, oil filter element, control cables, brake pads, brake shoes, clutch plates, which are subjected to normal wear and tear.
- (c) Damages due to use of lubricant / oil / grease etc. other than specified by RE.
- (d) Damages due to use of non-genuine parts.
- (e) Damages due to lack of proper maintenance of the vehicle.
- (f) Damages due to incorrect driving or riding habits.
- (g) Parts damaged due to accidents, collision, abuse etc.
- (h) Irregularities not recognized as affecting the quality or function of the vehicle such as slight vibration, oil leakage, blue discoloration of exhaust bent pipe / silencer / soft, hard shock absorber etc.
- (i) Defects arising from fitment of unauthorised / additional Electrical loads.
- $(j) \quad \mbox{Vehicle serviced / repaired at unauthorised service points}.$
- (k) Vehicle used for competition / racing.
- (l) Electrical component likes bulbs, fuses etc.
- $\left(m\right)$  Normal maintenance operations like adjustment of brakes, cleaning fuel system, engine tune up and other such adjustments
- 8. RE reserves the right to finally decide on all warranty claims
- 9. RE reserves the right to make changes in Design of the vehicle without any obligation to install these changes on previously supplied vehicles.

In compliance with the provisions of Rule 115(2) of the Central Motor Vehicle 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 service center, the motorcycle fail to meet the specified emission standards, then the authorised 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 service centers 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 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 Service centres.

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 vehicle 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 authorised service centre upon discovery of failure to comply with the IN-USE emission standard inspite of having maintained and used the vehicle 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 vehicle.
- Produces valid certificate of Insurance and R T O registration certificate.
- The Emission warranty shall not apply IF :
- A valid "Pollution under control" certificate is not produced.

- The motorcycle is not serviced by authorised service centers 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.
- 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 service centers, 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 vehicle 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 vehicle 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

- 1. Ensure that the periodical maintenance is carried out as stipulated in the owner's manual through a Royal Enfield authorised service center.
- 2. Use only Unleaded petrol (> 87 Octane) from reputed fuel pumps.
- 3. Ensure the fuel used is not adulterated.
- 4. Use correct spark plug as recommended in the owner's manual.
- 5. Use lubricants as per recommendations given on grade / brand in the owner's manual.

### **Regional & Area Offices**

#### **REGION 1**

Royal Enfield SCO -269 - Second Floor 16 Sector, PANCHKULA (Haryana) Pin Code-134113 Ph: 0172-5011255,5011251 Royal Enfield Madhok Business Center, Cabin No.5, Basement, Near AARTI chowk, Ferozpur High Road, LUDHIANA - 141001 Ph: 0161-2431902 Fax: 2431901 **REGION 2** 

# Region 2 Royal Enfield c/o EICHER ENGG. COMPONENTS, Plot No. 7, HSIDC Industrial Area, Sector 18, Palam Gurgaon Rd GURGAON (Haryana)- 122015 Ph:0124-4278138/4278139 Fax: 4382148

Royal Enfield G-5, 6, 7, Gitanjali Towers, Ajmer Road, JAIPUR – 302006

Ph:141-5143434/4034748 Fax: 0141-5125657 REGION 3 **Roval Enfield** UGF-109, Cross Road Plaza, Badshaha Nagar Chauraha, Near flyover, Faizabad Road, LUCKNOW – 226006 Ph:0522-4004640 Fax: 4005973 Royal Enfield 10-C, Hungerford street, (Picasso Bithi), Ground flr., Behind IMS Learning Centre, KOLKATTA - 700017 Ph:033-40060209/206/210 Fax: 44012115 Fax: 44012115 **Royal Enfield** 168-A, Patliputra Colony, PATNA - 800013 Ph:0612-2266042 Fax: 2262413 **REGION 4** Royal Enfield C/O EICHER DEMM SV Road, (Ghodbunder Rd)

Chitalsar, Manpada, THANE (WEST) – 400607 Ph: 022 – 32411898/ 25894314 / 25894315 Fax: 25894292 Fax: 25394292 Royal Enfield 203 & 204, 2<sup>ND</sup> Floor, Sneh Ganga, Near Wega Cen. Shankar Seth Road, Swargate, PUNE-411037 Ph: 020-24447181 Fax: 24447174 Fax: 2444/1/4 Royal Enfield B-306, Shapath IV , Opp to Karnawati Club, S.G. Highway, AHMEDEBAD - 380051 Ph: 079-40024462/463 Fax: 40024461 BEGION 5 **REGION 5** Region 5 Royal Enfield 2-3-52/1 & 2-3-42/52, Unit No. 4, 2<sup>nd</sup> Floor, Maitri Arcade, M.G. Road, Ranigunj, Opp. To Hotel Plaza, SECUNDERABAD-500 003

Ph: 040-40201080.

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Fax: 40201090 **Royal Enfield** A Unit of Eicher Motors Ltd. 309, 3<sup>rd</sup> Floor, Nirmal Plaza, Forest Park, BHUBANESWAR - 751001 Ph:0674 - 2595237 **REGION 6** Royal Enfield Devikripa, No.9, Besant venue Road, Besant Nagar, Adyar, CHENNAL 600020 Ph:044-42607999/42607777 Fax: 42607666 Royal Enfield Royal Enfield Door no. 2067/1, 2068/2, East End "A" Main 9<sup>th</sup> Block, Jayanagar, Bangalore -560069 Ph no. 22440588 / 41753277 / 41536488 Royal Enfield 25/85A, opp. to IOC Pump Koonamthai, Edappally Post, KOCHI - 682024 Ph: 0484-6494990 Fax: 2543616

Fax: 40201090

# All India Road Signs










## ROYAL ENFIELD

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