

# BL Motorcycles Ltd

Professional Workshop Manual - English Translation

## Royal Enfield - Classic350\_Owner\_Manual

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Paid Service / Maintenance Record

All India Road Signs

Notes

Annexures

Vehicle Installation Form

Pre-Delivery Inspection Report

Bike Installation Confirmation By Customer

Form 22

Contents

4Personal & Vehicle Information

Vehicle Installation Form (VIF) No.

Name

Door No./Street

Locality

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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

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 Authorised Dealer / Service Point 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.

Avaling 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.

NOTE : Please ensure that the free service details are recorded in this sheet immediately after the service is carried out. Date of Service

Kms Covered

Servicing

Dealers Name

Address

1st Service 4th Service 2nd Service 3rd Service Free Service Record

Dealer / ASP

Rubber Stamp Dealer / ASP

Rubber Stamp Dealer / ASP

Rubber Stamp Dealer / ASP

Rubber Stamp

## 6ENGINE

Engine Type ..... 4 Stroke, OHV, Dual  
..... Spark Ignition, air  
..... cooled, single Cylinder

Bore ..... 70mm

Stroke ..... 90mm

Swept volume ..... 346cc

Compression ratio ..... 8.5:1

Max Power @ rpm ..... 19.8 BHP @ 5250 rpm

Max Torque @ rpm ..... 28 Nm @ 4000 rpm

Idle rpm ..... 1050±200 rpm

Starting ..... EStart / Kick Start

Air filter element ..... Paper element

Carburettor ..... Ucal - BS 29

Lubrication ..... Wet Sump

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..... Forced lubrication  
Engine oil capacity ..... 2.75 lits  
Engine oil grade ..... Royal Enfield 15W50 API  
..... SL Engine Oil (JASOMA)  
FD Sprocket ..... 16 Teeth  
Rear Wheel Sprocket ..... 38 Teeth  
Cooling ..... Natural air flow

## TRANSMISSION

Clutch ..... Wet multiplate (6plates)  
Primary drive ..... 3/8 Duplex chain  
..... & sprocket  
Primary ratio ..... 2.15 : 1  
Gear box ..... Constant mesh 5 Speed  
Gear ratio ..... 1st - 3.06 : 1  
..... 2 nd - 2.01 : 1  
..... 3 rd - 1.52 : 1  
..... 4 th - 1.21 : 1  
..... 5 th - 1 : 1  
Secondary drive ..... 5/8 Chain & Sprocket  
Secondary ratio ..... 2.375 : 1  
Drive Chain links ..... 100 links  
Specifications

## 7CHASSIS

Frame ..... Tubular  
Suspension : Front ..... Telescopic, hydraulic  
..... damping 130mm  
Rear ..... Swing arm with gas  
..... filled shockabsorbers  
Fr. Fork oil capacity ..... 195 ml per leg  
Front fork oil ..... 1F (Endurance Fork Oil)  
Brakes : Front ..... Hydraulic 280 mm  
..... ventilated disc  
Rear ..... Foot operated 153 mm  
..... single lead, internal  
..... expanding (drum)  
Brake Oil Capacity ..... 60ml  
Brake Oil Grade ..... DOT 3 or DOT 4  
Tyre size : Front ..... 90/90 X 19 - 52P  
Rear ..... 110/90 X 18 - 61P  
TYRE PRESSURE  
Solo : Front ..... 20 psi/1.41kg/cm 2  
Rear ..... 30 psi/2.11kg/cm 2  
With Pillion : Front ..... 22 psi/1.55kg/cm 2

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Rear ..... 32 psi/2.20kg/cm 2  
Fuel tank capacity..... 13.5 litres\*  
Reserve ..... 2 litres approx.

### ELECTRICALS

Generation ..... Alternator/magneto  
System ..... 12V - DC  
Ignition ..... Digital Dual Spark  
..... Ignition, TCI System  
Battery ..... 12V - 14AH, MF  
Spark plug ..... Mico / W5DC (M14)  
..... Super Bosch / UR5DC  
..... (M10)  
Spark plug gap ..... 0.70 to 0.80 mm  
Head lamp ..... 12V, 60 / 55W  
Halogen  
Specifications

8Position Lamp ..... 12V, 4W  
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 ..... 187 Kgs.  
Max. pay load..... 163 Kgs.

### DIMENSIONS

Length ..... 2160 mm  
Width ..... 800 mm  
Height ..... 1050 mm  
Wheel base ..... 1370 mm + 20 mm  
Ground clearance ..... 135 mm  
Saddle height ..... 800 mm  
Rear Chain Slackness ..... 25-30 mm

### NOTE :

Values / Dimensions given above are for your guidance only.  
In view of continuous improvements being done on our products, the specifications are likely to change without prior notice.

### Specifications

\*Fuel tank is not a measuring instrument. The capacity of

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tank may vary slightly from specified value.

### 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 bike which are not approved by Royal Enfield may not only disqualify for warranty, but also affects performance of the bike.

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.

### Safety Definitions

### NOTE: BS III

This vehicle meets Emission Norms - Bharat (Trem) Stage - III