

## TOOLS KIT

The tool kit is strapped underneath the pillion seat.

## ENVIRONMENT CARE

You've ridden through some beautiful places on your royal enfield. Won't you like to keep them that way? Here are some tips to help you keep those places unspoiled so that others can enjoy them too:

### Disposal of end of life - Parts/Vehicle

While your liquid waste like engine oil, coolant and other cleaning solvents need to be regularly replaced, what happens to them? Make sure they are not dumped in the soil or water bodies.

You shall store them in a container and handover to an Govt authorized recycling agent, If any or RE Service Centre.

In the case of battery, tyres, plastic parts, electric or electronic parts and oil filter shall be handed over only to an authorized recycling agent, If any or RE Service Centre.

The cleaning solvents or sprays whichever used for cleaning your bike shall be disposed in an environmentally friendly manner.

In case you want to dispose your vehicle considered as an end of life vehicle, please handover the vehicle only to an authorized/registered vehicle scrapping facility near you or contact local authorities to follow due process.

## 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.

- RE will replace or repair defective part(s) at their dealerships and Royal Enfield Authorised Service Centre, free of charge within a period of 36 months/30,000 kms, from the date of sale, whichever is earlier.
- In order to avail warranty benefits by second or subsequent owner, the second/subsequent owner should inform the nearest Royal Enfield Authorised Service Centre about the purchase of the bike and shall fill in the requisite details in the form as requested by Royal Enfield.
- The warranty shall be applicable only if all the 4 free services & 3 paid services are availed in the respective period/kilometer ranges as per the schedule in the owner's manual from RE Authorised Dealer/Service Centre.
- 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.
- Consumables like oil, oil filter, fuel etc., used during warranty repair/replacement are not covered and chargeable to the customer.
- 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.
- Warranty shall not apply to:
  - Normal ageing, deterioration or rusting of plated parts, paints coat, rubber parts, soft items, glass items, plastic parts etc.

- Components like fuel filter, oil filter, air filter paper element, control cables, brake shoes/ brake pads, clutch, drive chain & sprocket kit, steering ball races, electrical equipment, wiring harness etc., which are subjected to normal wear and tear.
  - Failures occurred due to use of non recommended grade lubricants, fuel or improper level.
  - Damages due to use of non-genuine parts, lack of proper maintenance, incorrect riding habits.
  - Parts damaged due to accidents, collision, abuse etc.
  - 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 shock absorber etc.
  - Warranty is not applicable for discoloration of exhaust pipe & silencer, as it is a natural process that will happen during usage.
  - Defects arising from fitment of unauthorised or additional electrical loads.
  - Motorcycle serviced or repaired at unauthorised service centres.
  - Motorcycle used for competitions/racing/stage rallying etc.
  - Electrical component like bulbs, fuses etc. and electronic components failure including ECU due to repairs by arc welding.
  - Motorcycle found with tampering/drilling/welding mark on any part of the frame.
  - Normal maintenance operations like adjustment of brakes, cleaning fuel system, engine tune-up and other such adjustments.
  - Oxidization of buffed/painted/powder coated items etc.
- Use only Royal Enfield approved parts and accessories. Use of any other manufacturers parts or parts claimed to be performance parts which are not approved by RE will void your new motorcycle warranty.
  - RE reserves the right to finally decide on all warranty claims.
  - RE reserves the right to make changes in design of the motorcycle without any obligation to install these changes on previously supplied motorcycles.

## SERVICE/MAINTENANCE RECORD

S.No.	Type of Service	Schedule
1.	1 <sup>st</sup> Free Service*	500 km/45 Days
2.	2 <sup>nd</sup> Free Service*	5,000 km/6 Months
3.	3 <sup>rd</sup> Free Service*	10,000 km/12 Months
4.	4 <sup>th</sup> Free Service*	15,000 km/18 Months
5.	5 <sup>th</sup> Paid Service	20,000 km/24 Months
6.	6 <sup>th</sup> Paid Service	25,000 km/30 Months
7.	7 <sup>th</sup> Paid Service	30,000 km/36 Months

\* Labour is free for this services alone.

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.

## PERIODIC MAINTENANCE

The periodic maintenance schedule detailed below is based upon average riding conditions and indicates the intervals at which regular inspections, adjustments, replacements and lubrications must be carried out to help maintain your Himalayan motorcycle meticulously. If in case the motorcycle is used frequently in a very dusty environment/severe climatic conditions/poor roads/stagnant water etc., The maintenance will need to be done earlier as may be required. Contact a nearest Royal Enfield Authorised Dealer/Service Centre to carry out the periodic maintenance and for any expert advice.

Sl. No.	DESCRIPTION	PERIODICAL MAINTENANCE																							
		Kms (x1,000)		Months		0-5		5-10		10-15		15-20		20-25		25-30		30-35		35-40		40-45		45-50	
1	Engine oil (level check/replace)	R	I	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	Engine oil filter element	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	Engine oil strainer on crankcase LH	C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
4	Inlet/exhaust tappet setting	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
5	Rubber hose - Inlet manifold	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
6	Oil cooler inlet & outlet pipes	C&A	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A	R	C&A
7	Spark plug	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
8	HT lead for crack	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
9	Fuel hose & clip	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
10	Fuel pump (Under tank) mounting																								
11	Air filter element	C	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C
12	Accelerator cable	Clean/replace more frequently if motorcycle always used in dusty/off road conditions.	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A
13	Rubber hose, air filter to throttle body	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
14	Pav pipes & hose clip	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
15	Evaporative emission equipment rubber hoses	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
16	Throttle body	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
17	Clutch cable	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A	I&A
18	Clutch free play	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
19	Clutch no slippage	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
20	Steering head bearings #	I&A		I&A		I&A		I&A		I&A		I&A		I&A		I&A		I&A		I&A		I&A		I&A	
21	Front fork oil	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
22	Rear wheel drive chain #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
23	Battery terminals (Apply petroleum jelly)	C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
24	Earth wire eyelet tightness	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
25	Hydraulic brake fluid - front & rear #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
26	Hydraulic brake hose & washers - front & rear #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
27	Brake pads - front & rear #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
28	Tyre wear pattern (Front & rear) # (1)	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
29	Spokes tightness/wheel rim run out front & rear #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
30	Front & Rear wheel bearings for play #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
31	Swingarm pivot bearings #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
32	Rear suspension linkages #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
33	Rear brake pedal pivot	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
34	Rear brake pedal free play	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
35	Rear wheel cush rubbers #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
36	All mounting fasteners in vehicle for tightness #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
37	Hand levers, center stand, side stand, rider & pillion foot rest pivots & gear shift levers #	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
38	Cam chain/chain pads/auto chain tensioner	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
39	Starter motor & starter relay connections	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
40	Side stand switch operation	I		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

A: Adjust  
L: Lubricate  
# Service more frequently when ridden in unusually wet or dusty areas.  
# Service more frequently when riding in rain or at full throttle.  
(1) Tyre to be replaced if the tyre wear identification mark reached (2) to be done at Royal Enfield Authorised Dealer/Service Centre.  
For maintenance after 50,000 km, please repeat same frequency specified above, in consultation with a Royal Enfield Authorised Dealer/Service Centre.

## 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

- Applicable for all matt finish motorcycles as it will increase the gloss level.
- Wash the painted parts only with plain water and do not use any strong solvents cleaning agents or detergents.
- Scratches, if happens on the matt finish parts cannot be touched up and corrected / removed.
- Warranty is not applicable for any matt finished painted parts of the motorcycle.
- 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.

## NOTE

- This motorcycle meets the BS VI Emission Norms.

## NOTE

For maintenance after 50,000 km, please repeat the same frequency levels specified above, in consultation with a Royal Enfield Authorised Dealer/Service Centre. The maintenance schedule detailed here will help you to maintain your Royal Enfield motorcycle meticulously and to get a long trouble free service. The frequency of the maintenance must be shortened depending upon the severity of the driving condition or if the motorcycle is used in a very dusty environment, severe climatic cold and hot conditions, bad roads, stagnant water etc., Contact a nearest Royal Enfield Authorised Dealer/Service Centre for expert advice and to carry out the periodical maintenance.

## 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 Centre 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. 2. Very Low/No fuel in the fuel tank. 3. Lights/horn very dim (Horn poor/Low sound). 4. Electricals not working.	Switch 'ON' ignition/engine stop switch. Fill fuel. Weak/Discharged battery, contact Authorised Service Centre. 1. Battery completely dead. Replace battery. 2. Fuse blown. Replace appropriate fuse. Note: If fuse blows again, contact Authorised Service Centre. Spark plug cap/wire disconnected. Reconnect. Check if side stand is on/Side stand switch malfunction. Check if gear is engaged and the side stand is down. If the ambient temperature is low use manual bi-starter. Idle rpm set too low/Setting disturbed. Contact Authorised Service Centre for resetting the idling rpm. Check if the MIL lamp is glowing. If yes, contact Authorised Service Centre.
Engine starts but shuts off immediately	Engine shuts off as soon as throttle is closed.	Drain out entire fuel and refill with fresh fuel from a reputed filling station. Excessive engine temperature. Switch "off" engine and allow to cool down. Check if the MIL lamp is glowing. If yes, contact Authorised Service Centre. Clutch is slipping. Check for sticky clutch/Clutch not having any free play.
Engine misfires & runs erratically/stops	1. Typically happens after a Refill/Adulterated/Water in Fuel. 2. Motorcycle driven in low gear/High rpm/Crowded places for long time.	Adjust rear chain to correct tension. Check if the MIL lamp is glowing. If yes, contact Authorised Service Centre.
Poor pickup	Engine rpm raises disproportionately to motorcycle speed.	Take the vehicle to service centre for diagnosis.
ABS (Anti - lock braking system)	ABS lamp continuously "ON".	

## NOTE

Refer to the QR code for the detailed information of the below headings:

- Rules of the road
- Accessories and luggage
- Motorcycle identification numbers
- Engine number details
- Operation of controls
- Warning indications and safety systems
- Gear shifting, riding and stopping
- Parking
- Minor maintenance tips
- Rear suspension setting
- Long trip precautions
- Washing procedure
- Storage precautions
- Emission warranty
- EVAP



EDITION  
March - 2022

## Royal Enfield Support 1800 - 210 - 0007

- Roadside Assistance
- Product Update
- Feedback
- Dealer Locator



To access dealer details scan the QR code

@royalenfieldSupport  
Support@royalenfield.com  
www.royalenfield.com

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ROYAL ENFIELD



# ROYAL ENFIELD QUICK START GUIDE

## 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.

## SAFETY RIDING TIPS / GUIDELINES

- Please read this manual carefully to get to know the motorcycle and its maintenance schedule.
- Please exercise utmost caution while refueling. Open the lid carefully and slowly. Refuel only in a well ventilated area with the ignition switched "OFF".
- Gasoline vapour is highly explosive. Please ensure there are no open flames or sparks nearby while refuelling and fill fuel only in a well ventilated area. Switch "OFF" mobile phones and other hand held electronic devices.
- Know and respect the rules of the road. Please be a safe rider for your own safety and for other road users.
- Please ride your motorcycle defensively. Remember a motorcycle does not afford the same protection as an automobile.
- Ride only at moderate speeds and out of traffic until you have become familiar with the handling characteristics of your motorcycle under all conditions.
- Do not exceed the legal speed limit. Always reduce speed when poor driving conditions exist. Use extra caution when approaching and passing through intersections since intersections are the most likely places where accidents happen.
- Ride where other motorists can easily spot you. Please do not ride in another motorist's "blind spot".
- Always signal well in advance before turning or changing lanes. Make sure that other motorists can see your signaling and slow down.
- Never ride under the influence of alcohol or other drugs that might affect your riding skills reflex.
- When riding with pillion rider, it is your responsibility to instruct them on proper riding procedures and riding gear.
- If you are an new rider we recommend that you obtain formal training on correct motorcycle riding techniques. New riders should gain experience under various conditions while driving at moderate speeds. Pay strict attention to road surfaces and wind conditions.
- Do not allow other individuals, under any circumstances, to operate your motorcycle unless you know they are experienced, licensed riders and are thoroughly familiar with the operating conditions of your motorcycle.

## RIDING GEAR

- Motorcycle riding trousers and jacket fitted with certified armour.
- Motorcycle riding boots.
- Motorcycle riding gloves.
- ISI, DOT or SNELL certified helmet as applicable for rider and pillion.
- Never wear loose-fitting clothes, otherwise they could disturb on the control levers, footrests or wheels and cause injury or an accident.
- Always wear protective clothing that covers your legs, ankles and feet. The engine or exhaust system become very hot during or after operation and can cause burns.

### CAUTION

Avoid any contact with the exhaust system when hot. Wear clothing that will completely cover the legs while riding. The exhaust system gets very hot when the engine is running and remains too hot to touch, even after the engine is turned off. Failure to wear proper or protective clothing could result in serious injury.

## SITTING POSTURE

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

- Sit with your shoulders completely relaxed.
- Do not lock your elbows and retain them at a slight bend to enable maneuvering.
- Hold the handle grip close to its inner end.
- Lightly grip the fuel tank with your knees.
- Keep your toes in "Straight ahead" direction.
- Before turning, look extensively in the both rear view mirrors, without turning your head.

## BRAKING

- Apply front and rear brakes gently and simultaneously for maximum braking efficiency.
- Please use utmost caution while applying brakes, especially while riding under wet or bad road conditions.

### WARNING

The hydraulic disc brakes fitted on your motorcycle requires very less effort. Applying any one of the brakes suddenly will lock the wheels. Failure to adhere to this warning will cause loss of control of the motorcycle, leading to a potential accident, resulting in serious injury to both rider and other road users, besides causing severe damage to the motorcycle.

■ Brake pad wear will be increased if the motorcycle is used frequently off-road. Always inspect the brake pads more frequently if the motorcycle is used off-road & replace the brake pads before they become worn to or beyond the minimum service thickness. Riding the worn brake pads will reduce braking efficiency, leading to loss of motorcycle control and an accident.

■ Do not place the foot on the brake pedal while riding unless braking is required. Because this will lead to premature wear of brake pad.

## TECHNICAL SPECIFICATIONS

ENGINE		CHASSIS	
Engine type .....	Single cylinder 4 Stroke, SOHC Air cooled, Fuel injection, 78 mm	Frame .....	Half duplex split cradle
Bore .....	86 mm	Suspension	
Stroke .....	410.94 cc	Front .....	Telescopic, hydraulic damping, front wheel travel : 200 mm
Engine capacity (cc) .....	9.5:1	Rear .....	Swing arm with linkage type hydraulic damping mono shock, rear wheel travel : 180 mm
Compression ratio .....	24.3 bhp (17.88 kW) @ 6500 rpm	Brakes	
Max power .....	32 Nm @ 4250 ± 250 rpm	Brake system.....	Dual channel ABS (Switchable to single channel ABS - Rear wheel ABS control deactivation)
Max torque .....	1300 ± 100 rpm	Front disc .....	300 mm dia disc
Idle RPM .....	E-Start	Rear disc .....	240 mm dia disc
Starting .....	Paper element	Tyre size	
Air filter element .....	SAE 15W 50 API SL Grade JASO MA2 Semi synthetic oil	Front .....	90/90 - 21"
Lubrication oil .....	2.3 l (Initial fill only) 1.6 - 1.8 l (Subsequent refills)	Rear .....	120/90 - 17"
Engine oil capacity .....	Forced Lubrication, Wet sump	Tyre Pressure	
Lubrication.....		Solo	
		Front .....	25 psi/1.75 kg/cm <sup>2</sup>
		Rear .....	32 psi/2.25 kg/cm <sup>2</sup>
		With Pillion	
		Front .....	27 psi/1.89 kg/cm <sup>2</sup>
		Rear .....	34 psi/2.39 kg/cm <sup>2</sup>
		Steering lock .....	Inbuilt
		Fuel type .....	Unleaded gasoline E10 or less
		Ethanol content .....	
		Fuel tank capacity .....	15 ± 0.5 l approx*
		Minimum octane rating ...	91 RON or Higher
		Low fuel warning .....	Fuel Gauge (Red zone) 5.5 ± 0.5 l 0.5 l approx*
		Fuel dead stock .....	
		* The above values are approximate and the actual fuel filling capacity will vary from the values mentioned.	
		<b>CAUTION</b>	
		■ The use of petrol containing more than the specified ethanol will cause the fuel tank corrosion & paint damage and will also damage the rubber tubes in the fuel line as well.	
Ignition type .....	Electronic ECU/ Variable		
Spark plug gap .....	0.7 to 0.8 mm		
Spark plug .....	Bosch - UR5CC		
<b>TRANSMISSION</b>			
Clutch .....	Wet multi plates		
Primary drive .....			
Primary ratio .....	2.312:1		
Gear box .....	5 Speed constant mesh		
Gear ratio .....	1 <sup>st</sup> 2.916:1 2 <sup>nd</sup> 1.833:1 3 <sup>rd</sup> 1.428:1 4 <sup>th</sup> 1.173:1 5 <sup>th</sup> 1.000:1		
Secondary drive .....	5/8" chain & sprocket		
Secondary sprocket ratio.....	2.533:1		
Drive chain links .....	110 links		

- It is recommended to use only unleaded petrol, as leaded petrol will cause damage to the catalytic converter.

### ELECTRICALS

Flywheel magneto .....	221 W @ 1500 rpm
Generation .....	Alternator, III Phase
System .....	12 V - DC
Battery .....	12 V - 8 Ah (maintenance free)
Starter motor .....	12 V - 0.7 kW
Head lamp .....	12 V, H4 - 60/55 W - Bulb
Front position lamp .....	12 V - LED
Brake/tail lamp .....	12 V, 4/1 W LED
Licence plate illuminator..	12 V - LED
Speedometer lamp .....	12 V - LED
Hi-beam indicator .....	12 V - LED
Neutral lamp tell tale .....	12 V - LED
Turn signal tell tale .....	12 V - LED
Turn signal .....	12 V, 10 W * 4 nos
Hazard warning .....	12 V - 10 W x 4 nos
Horn .....	12 V, 2.5 A
Instrument cluster.....	Digital cluster with LCD
Side stand indicator .....	LCD Indication
Malfunction indicator .....	12 V - LED
ABS indicator .....	12 V - LED

## RECOMMENDED LUBRICANTS

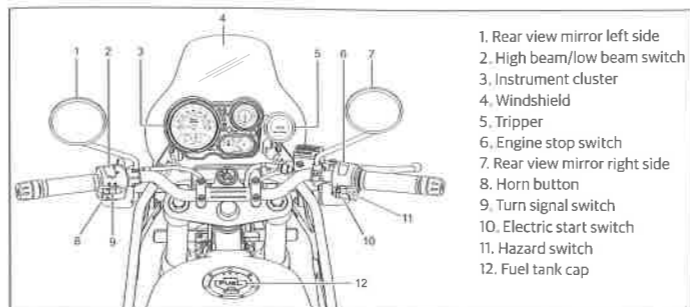
ENGINE OIL		FRONT FORK OIL		BRAKE FLUID	
Grade	SAE 15 W 50 API SL Grade JASO MA 2 Semi synthetic	Grade	10 W/Fork Oil (Viscosity range 35)	Grade	DOT 4
Capacity	2.3 l (First fill only) 1.6 - 1.8 l Approx. (During oil & filter element replacement in periodical maintenance)	Capacity	455 ml/leg	Capacity	Front : 100 ml Rear : 100 ml

\* Do not mix DOT 4 & Other brake fluids together.

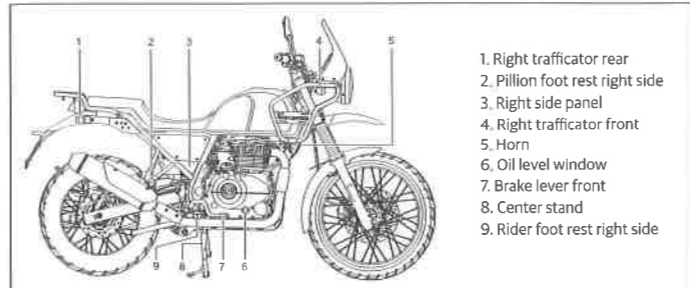
**Caution**  
Use of wrong grade/mixed grade oil will reduce the life of the moving parts and seriously affect performance.

**Note :** Recommendation subject to change without notice.

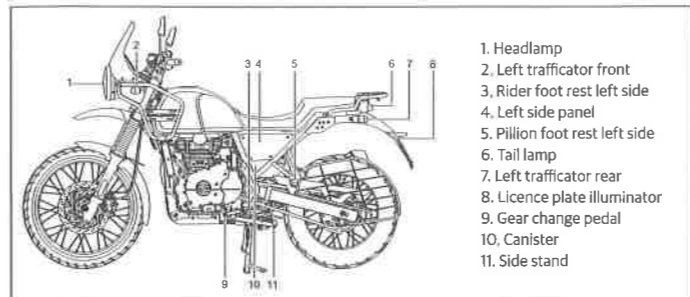
## LOCATION OF KEY PARTS



1. Rear view mirror left side
2. High beam/low beam switch
3. Instrument cluster
4. Windshield
5. Tripper
6. Engine stop switch
7. Rear view mirror right side
8. Horn button
9. Turn signal switch
10. Electric start switch
11. Hazard switch
12. Fuel tank cap



1. Right trafficator rear
2. Pillion foot rest right side
3. Right side panel
4. Right trafficator front
5. Horn
6. Oil level window
7. Brake lever front
8. Center stand
9. Rider foot rest right side



1. Headlamp
2. Left trafficator front
3. Rider foot rest left side
4. Left side panel
5. Pillion foot rest left side
6. Tail lamp
7. Left trafficator rear
8. Licence plate illuminator
9. Gear change pedal
10. Canister
11. Side stand

## PRE - OPERATIONAL CHECKS

1. Ensure adequate fuel in fuel tank for the journey planned.
2. Tyres inflated to correct pressure.
3. No side wall cracks cuts or abrasions in the front and rear tyres.
4. Rear chain for proper tension and sufficiently lubricated.
5. Engine oil level.
6. Control cables, inner, not damaged, frayed or broken. Clutch and accelerator controls working smoothly.
7. Front and rear brake efficiency and free play in front and rear brake levers.
8. Brake fluid level correct to its recommended level on front and rear at master cylinder and reservoir.
9. Free movement of handle bar to left and right sides.
10. All electrical controls horn working correctly head lamp, tail lamp, brake lamp and indicator lamps working correctly.
11. Front and rear wheel axle nuts tightened properly (Do not overtight).
12. Front and rear wheel spokes ensure fixed firmly.
13. No loose or broken spokes.
14. Check all fasteners are properly tightned (Do not overtight).
15. Engine idling correctly and smooth.
16. No abnormal noise/any leak from engine.

### WARNING

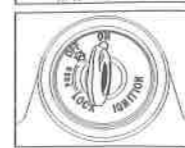
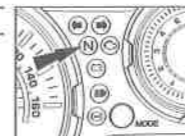
- For your personal welfare and safety, these preoperational checks should be performed periodically. Failure to do so will affect safe operation, damage your motorcycle and lead to accident causing serious injury.

## STARTING

- Ensure gear is in neutral position and the neutral indicator " N " is glowing in the instrument cluster. To shift into neutral, move the motorcycle back and forth gently, while simultaneously shifting the gears.

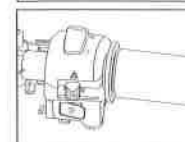
### CAUTION

- Do not attempt to shift gears when engine is "OFF" and rear wheel is stationary as it will cause damage to gear shift mechanism. Please move motorcycle back and forth while simultaneously shifting gears.



### NOTE

- Switch "ON" Ignition and the kill switch to "RUN" Position.
- Depress clutch lever fully.
- Press starter button and hold till engine starts.



### CAUTION

- In case engine does not start, do not keep starter button pressed continuously as it will drain the battery. Release button and restart after a few minutes to allow battery to recoup.

### CAUTION

- Never accelerate the engine immediately after a cold start. The engine should be allowed to run slowly for 15 sec to 30 sec this will allow the engine to warm up and let oil reach all surfaces needing lubrication. Failure to adhere in damage to the engine.
- It is recommended to switch "OFF" the engine when the engine is in idling condition for long time.
- It is recommended not to accelerate by giving excessive throttle for more than 5 min when the engine is in idle condition, which will cause damage to the engine internal parts and exhaust system as well.

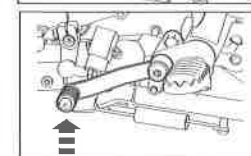
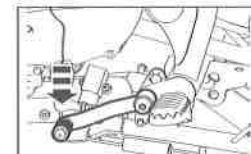
## GEAR SHIFTING, RIDING & STOPPING

1. Warm up engine for 2 min until idling is consistent.

### GEAR SHIFT PATTERN

1-N-2-3-4-5

2. Press clutch lever towards the hand grip.
3. Press gear pedal with toe to engage 1<sup>st</sup> gear.
4. Gently open throttle and release clutch simultaneously. If clutch is released suddenly, the engine will stall and cause a jerky start.



### CAUTION

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

5. Lift gear lever with toe to engage 2<sup>nd</sup> and to subsequent gears.

### NOTE

- Always start the engine with gear in neutral position.
- Always move the motorcycle in 1<sup>st</sup> gear position only.

## RUNNING IN PERIOD

The Himalayan motorcycle is capable of consistent high speeds. However as with any new motorcycle, a "Running-in period" 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 2,000 km 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.
6. Avoid prolonged full-throttle operation. Vary speed occasionally.

Motorcycle Speed Gear	First 500 km	501 - 2,000 km
1	15 kmph	20 kmph
2	25 kmph	30 kmph
3	30 kmph	40 kmph
4	45 kmph	55 kmph
5	60 kmph	80 kmph

### NOTE