

USER MANUAL



NEW

DUAL BATTERY
UPGRADE
ASK YOUR DEALER



VEHICLE IDENTIFICATION PLATE

MFG

RILU TRADING PTY LTD

VER

3.1-6-1740

RILU101234561890

VIN

SYS

250W 25KMH



THIS EPAC (ELECTRICAL POWER ASSISTED CYCLE) CONFORM TO ALL APPLICABLE FEDERAL STANDARDS FOR USE ON AUSTRALIAN ROADS WITHOUT REGISTRATION UNELSS MODIFED

Welcome

Thank you and congratulation on your purchase of a RILU POGO with unique identification VIN# **RILIU1234567890**.

Please don't forget to register your VIN to help us assist you in the unfortunate event your POGO is lost or stolen.

Your POGO has two different ways of activating motor power.

PAS

Built into your POGO is a "Pedal Assistance Sensor".

This automatically detect the speed at which you pedal and moderates the 'motors speed' while riding.

By selecting from PAS 0 – 9 on the LCD display you can adjust the amount of 'motor output power that is automatically given when pedalling is detected by the PAS.

COMPONENT	STANDARD		REGISTERED	
Battery (80%)	5000km	1 YEAR	10,000km	2 YEAR
Motor, Display	5000km	1 YEAR	10,000km	2 YEAR
Charger, Controller	5000km	1 YEAR	10,000km	2 YEAR

2 YEAR – ELECTRICAL WARRANTY - ACTIVATION



**SMS
REGISTRATION**



**UNLOCK
WARRANTY**



**2 YEARS
ELEC WARRANTY**

STEP 1 .
SCAN THE QR CODE

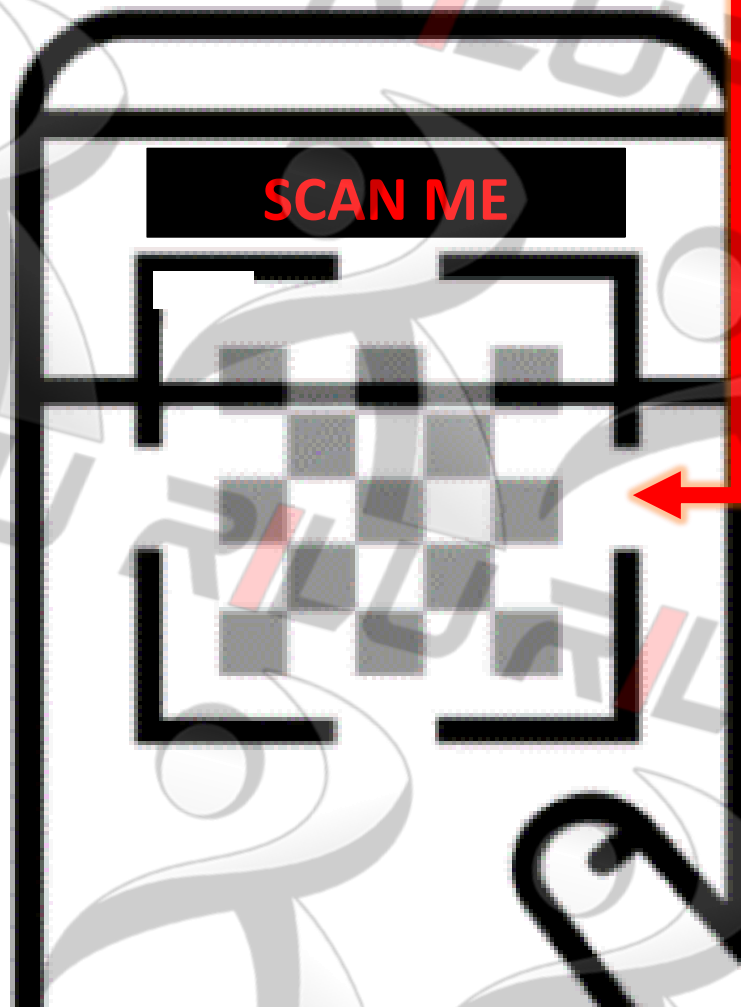
STEP 2.
CLICK THE POP-UP
AUTO FILLED SMS MESSAGE WITH:
RILIU1234567890, 2 Year,
Postcode

STEP 3.
ENTER YOUR POSTCODE

STEP 4.

STEP 5.
RECEIVE A CONFIRMATION SMS REPLY
"Congratulations your 2 Year...."

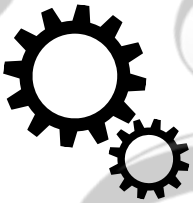
STEP 6.
REPLY WITH A PHOTO OF YOUR RECEIPT



Product Specifications



Frame: Rated to 120Kg
Brakes: Front and Rear Disc
Gears: 7 Speed
Stem: Height Adjustable Stem
Fork: Suspension Fork – 80mm Travel
Tire: 20" x 4" Kenda
Saddle: Soft feel with handle

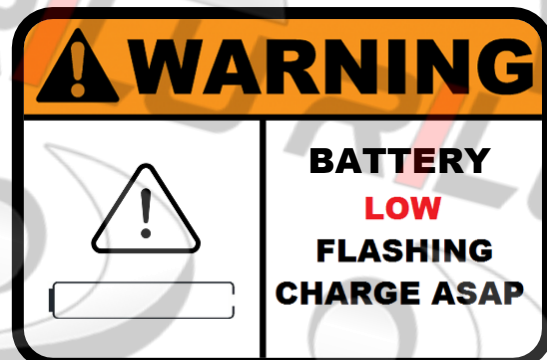
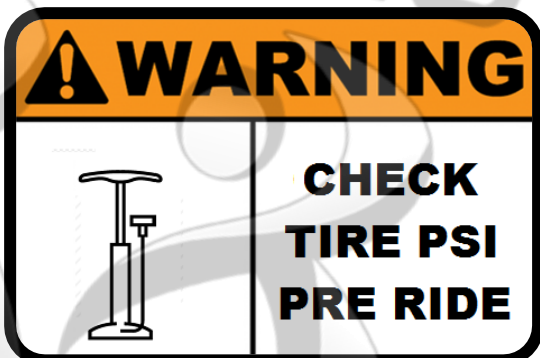


Range: 40-50Km PAS
Motor: 36V / 250 W (High Torque)
Throttle: Thumb (Adjustable)
Display: LCD / 9 Modes (Motor Power)
Battery: 36 V / 14AH (Lithium Ion)
Charger: 36V / 2A (Smart charger)
Lights: Front & Rear (eBike battery power)



General Usage Summary

RILU recommends you first ride the bike without using any electrical assistance to familiarize yourself with the mechanical gearing and braking system of your POGO.



POWER ON POGO



HOLD " M "
2 SECONDS



LIGHTS – TURN ON / OFF



HOLD " + "
4 SECONDS

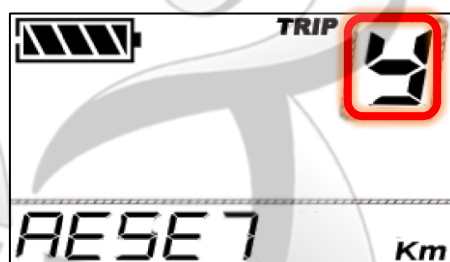


TRIP METER – REST

HOLD " + & M "
4 SECONDS



Adjust
PRESS " + or - "




Confirm
HOLD "M"

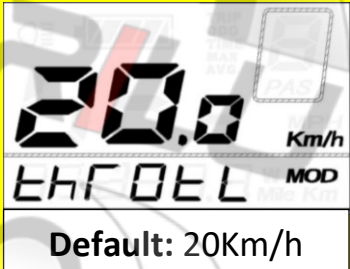
Display - PAS Levels

PAS	SPEED	THROTTLE
0	0 Km/h	6 km/h Public Roads <input checked="" type="checkbox"/> Private Land <input checked="" type="checkbox"/> Default Setting
1	7 Km/h	
2	11 Km/h	
3	13 km/h	
4	16 km/h	20 km/h Public Roads <input checked="" type="checkbox"/> Private Land <input checked="" type="checkbox"/> <u>Modified Settings</u>
5	17 km/h	
6	20 km/h	
7	21 km/h	
8	23 km/h	
9	25 km/h	

Display - Modify Throttle Speed


HOLD "M & -"
10 SECONDS






Default: 20Km/h

Adjust
PRESS "+ or -"



Limited: 6Km/h



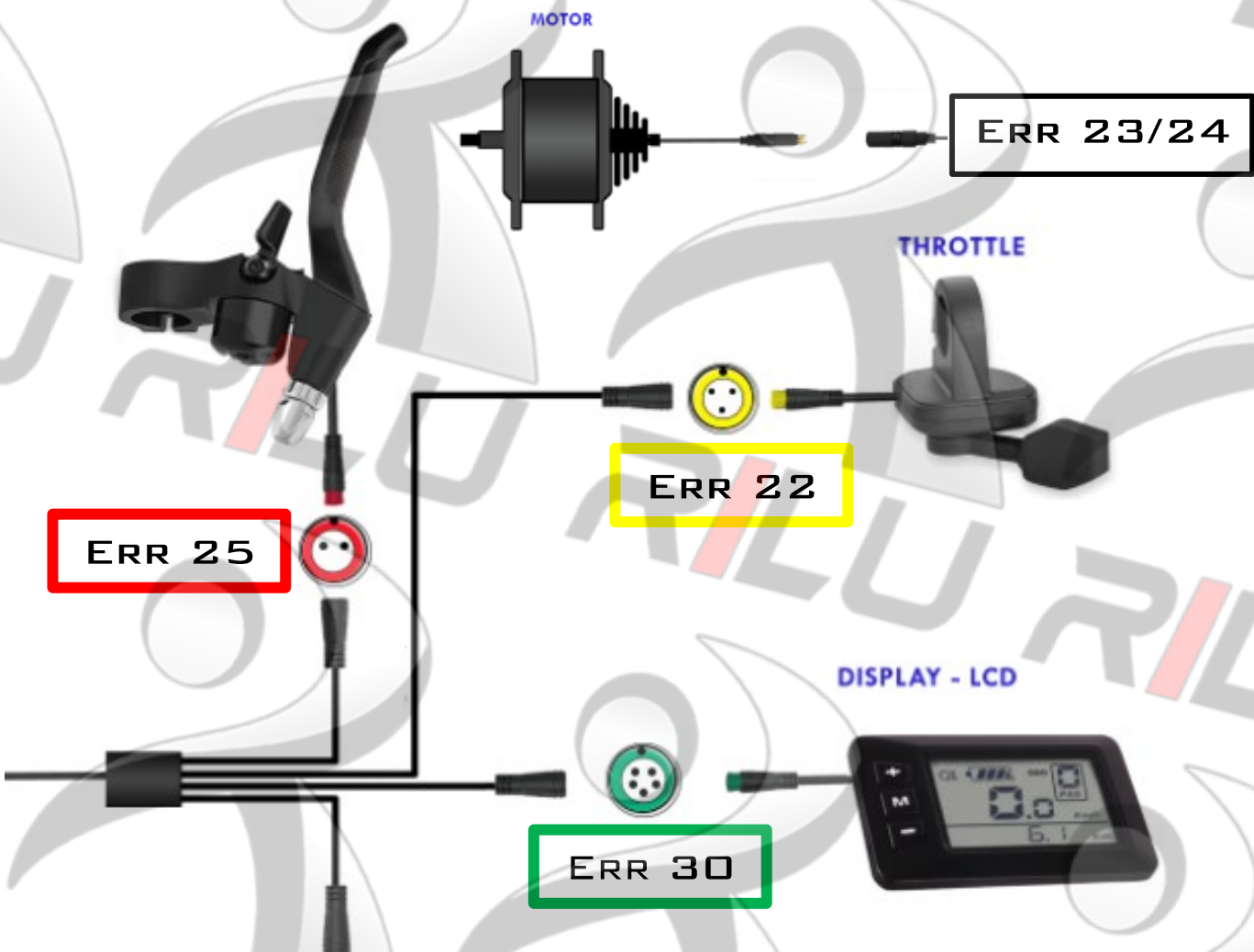
Confirm
HOLD "M"

WARNING
Consequences of modifying throttle speed and riding on public roads:
Fines - Driving License Disqualification - Imprisonment.

Display - Error Codes

Error Code #	Fault
Err 21	Controller Damaged – Requires Replacement CALL DEALER
Err 22	Throttle Fault – UNPLUG THROTTLE (YELLOW)
Err 23	Motor Phase Sync – CHECK MOTOR CABLE AT REAR OF BIKE
Err 24	Motor Hall– CHECK MOTOR CABLE AT REAR OF BIKE
Err 25	eABS Sensor Jammed – UNPLUG BRAKE LEVERS (RED)
Err 30	LCD Data Error – CHECK LCD CABLE (GREEN)

If you see **Err** on your Display LCD consult with the above table.



PLEASE CONTACT YOUR DEALER IF YOU ARE UNABLE TO RESOLVE THE ERROR

Hill Climbing

Your POGO pedal sensor detects CADENCE.

This the rate of speed at which you are pedalling.

POGO doesn't measure the force you are applying on the pedals.

To achieve maximum motor assistance;

Gear down before reaching the hill.

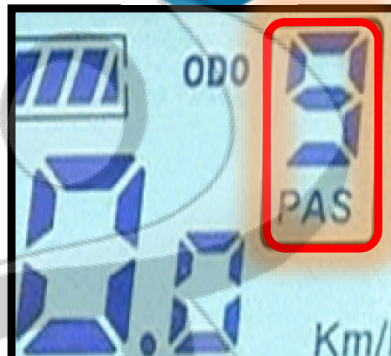
STEP 1



Gear Shifter

1

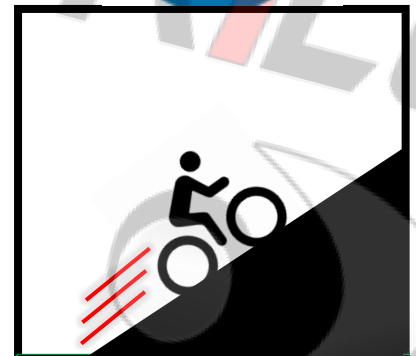
STEP 2



LCD

PAS #9

STEP 3



Max Assistance

HILL CLIMB

Folding - POGO

It's important to be patient while learning how to fold your bike and to be mindful not to pinch your hands as the folded parts expose various hinges that present a pinch danger.



STEP 1

Release Seat Post



STEP 2

Lower Seat Post

STEP 3

Retract Kick Stand



STEP 4

Squeeze Pedals
Unlock & Fold



STEP 5

Position pedals
above
Folding Lock



STEP 6

Pull Forward
Folding Latch

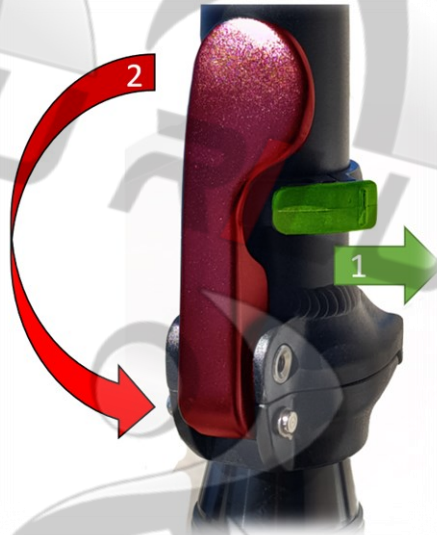
STEP 7



LEFT HAND:
HOLDS REAR
BRAKE WHILE
PULLING BIKE LEFT

RIGHT HAND:
ON SEAT
PUSHING RIGHT

RELEASE



TWIST

PULL



FOLD



Adjusting - Folding Clamp

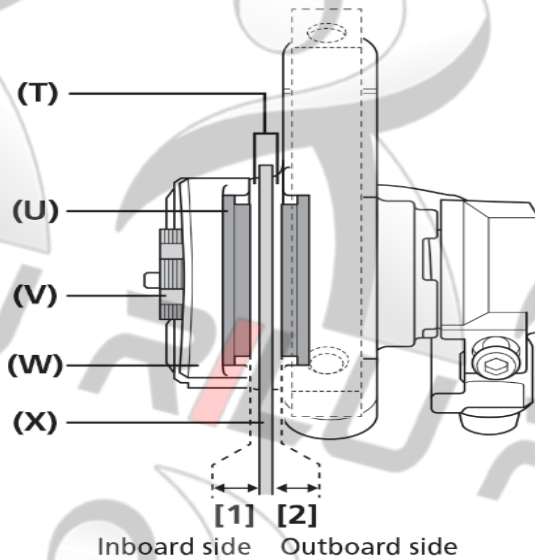
Over time you may need to adjust the folding clamp if you are unable to fully close the clamp before riding or if the folding lock is loose and doesn't grip the frame.



Adjusting - Brakes

The following is only a quick adjustment guide for the clearance spacing on both the inboard side and outboard side of your brake pads, it's not a substitute for regular maintenance performed by your dealer

TAKE YOUR BIKE BACK TO YOUR DEAL FOR REGULAR SERVICE

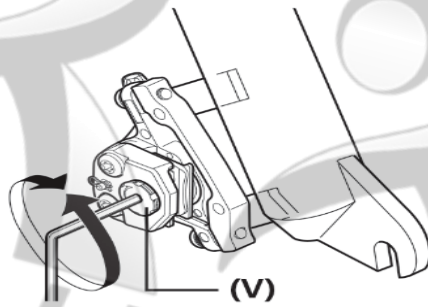


Adjust both clearances between the disc brake rotor and brake pads so that they are within the below range and equal: inboard side [1] = outboard side [2].

Pad clearance [1], [2]
0.2mm - 0.5mm

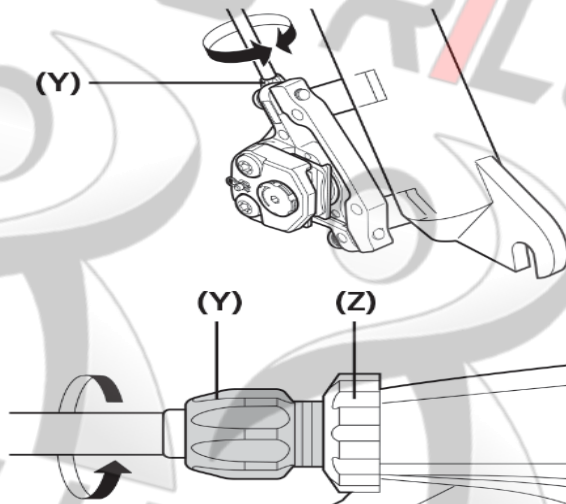
- (T) Rotor slit
- (U) Brake pad
- (V) Pad adjustment screw
- (W) Caliper
- (X) Disc brake rotor
- (Y) Cable adjustment barrel
- (Z) Cable adjustment nut

Inboard side



Adjust by turning the pad adjustment screw.

Outboard side



Adjust by turning the cable adjustment barrels at the brake calipers and brake levers.

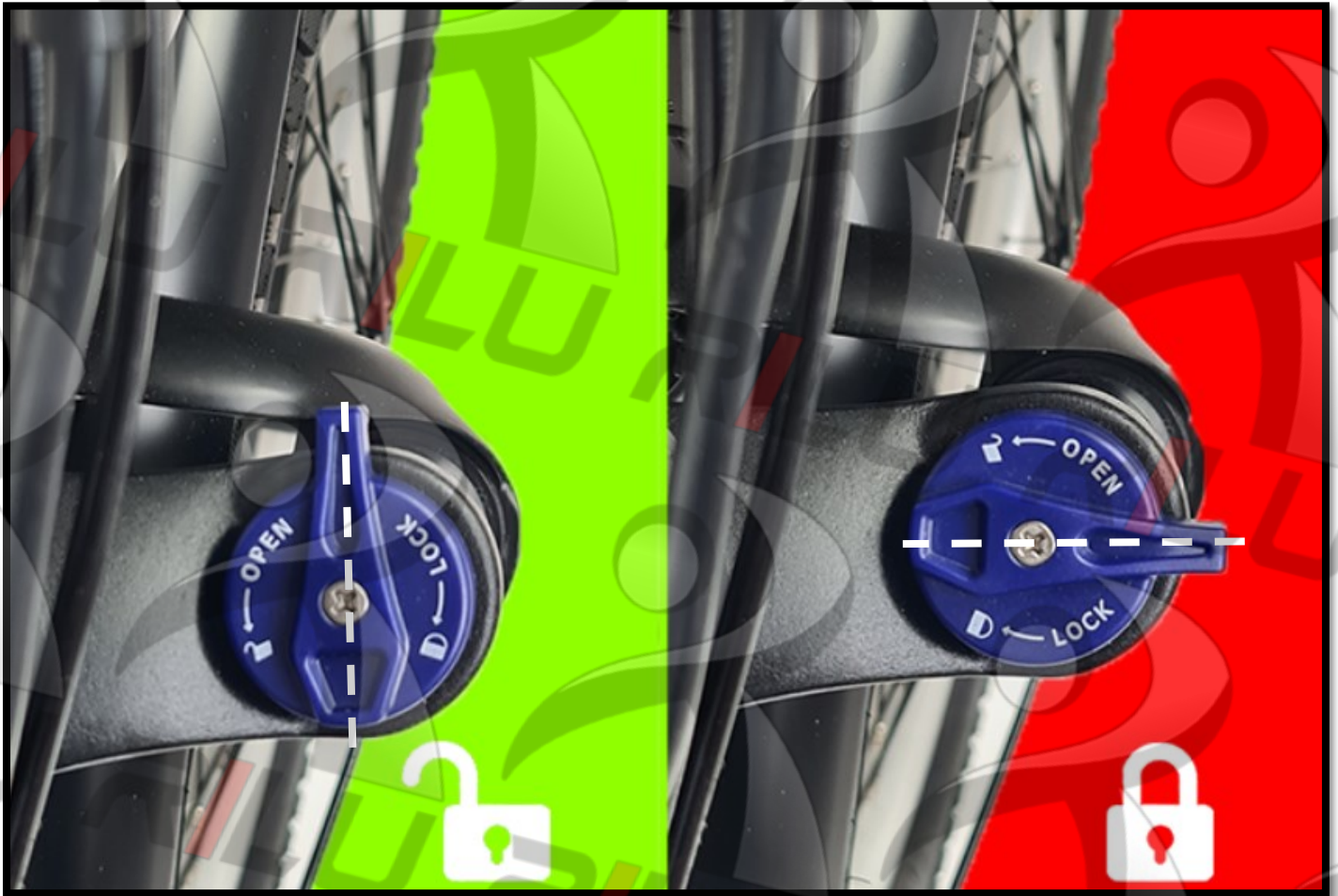
NOTE

Make sure to adjust the clearances on both the inboard side and outboard side at the same time.

Adjusting only one of the clearances may cause the following problems.

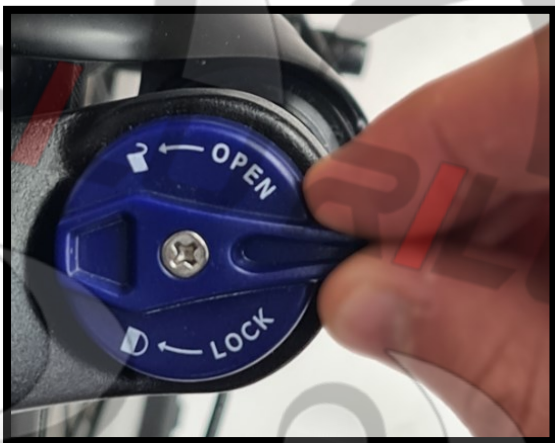
- Contact between the pads and the disc brake rotor may occur during operations other than braking.
- Sufficient braking force may not be obtained when the clearance becomes much greater on one side.
- The disc brake rotor makes contact with the calipers during braking.

Adjusting - Suspension



UNLOCKED
Rail Trail

LOCKED
City



Adjust
Two Fingers



Adjusting - Gears

RILU advises using a bike service stand when performing gearing and breaking adjustments.

It will be easier when the bike is raised off the ground.

! WARNING

Electric bicycles are heavier than regular bicycles please ensure your bike stands weight rating meets the **25Kg** requirement of your POGO

! WARNING

TURN OFF electric system when working on gearing and breaking to avoid any unexpected motor power.

! WARNING

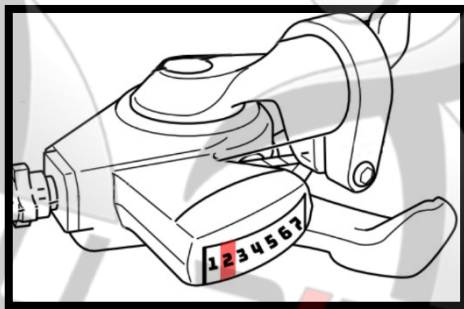
TURN OFF electric system when working on POGO



Gears - Uneven Shifting / Slipping

If you experience uneven shifts or slippage in the lower gears, where the chain jumps from gear #2 to gear #3 unintentionally. Try to adjust the derailleur using the following method to improve shifting.

STEP 1

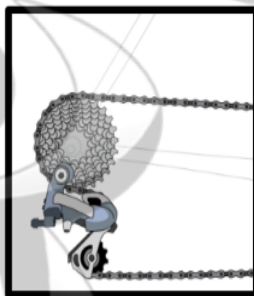


Shift Lever

Turn the cranks clockwise and use the gear lever to shift into "7" then back down "1" two times over.

Set the gear lever to "2"

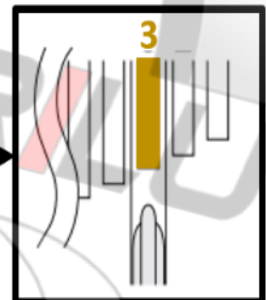
STEP 2



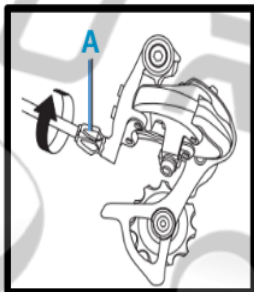
Observe Gearing

If the chain stays on gear #3 when the gear shifter has "2" selected

Proceed to derailleur adjustment



STEP 3

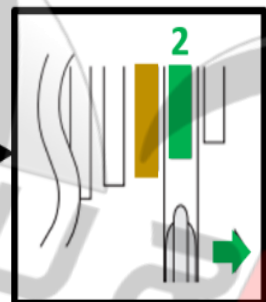


Adjust Derailleur

While turning the cranks clockwise

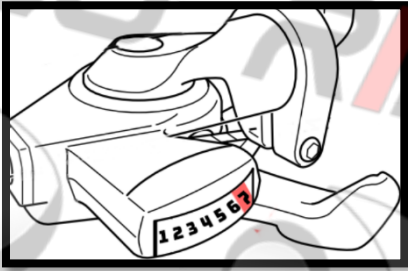
Tighten (A)

Stop when it reached gear 2



Gears – Gear #7 Pulley Alignment

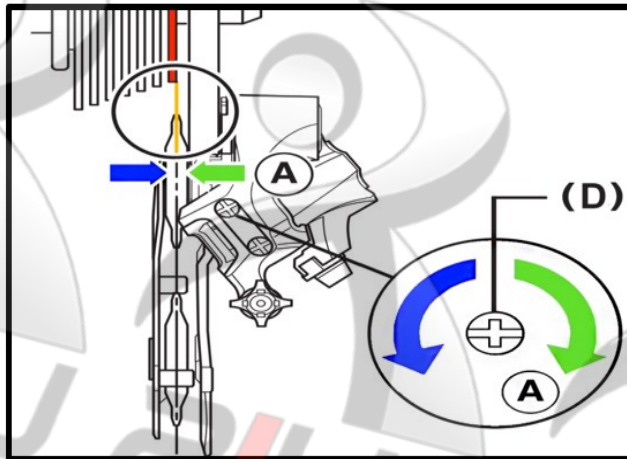
STEP 1



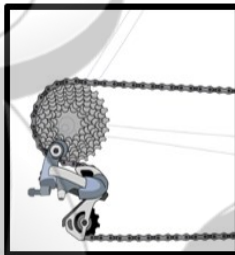
Shift Lever

Turn the cranks clockwise and use the gear lever to shift into "7" then back down "1" two times over.

Set the gear lever to "7"

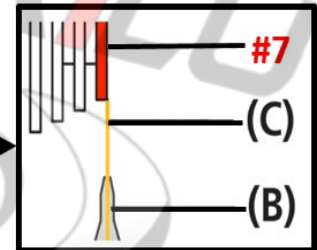


STEP 2

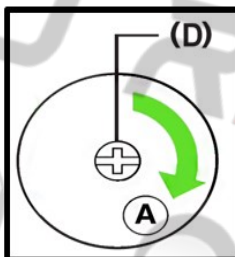


Observe Gearing

Chain (C) is off-centre
Gear #7 (highlighted red)
Gear pulley (B) requires realignment

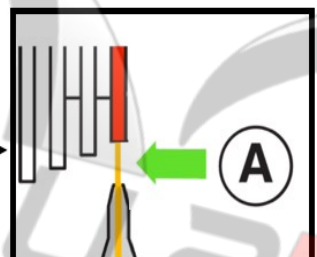


STEP 3



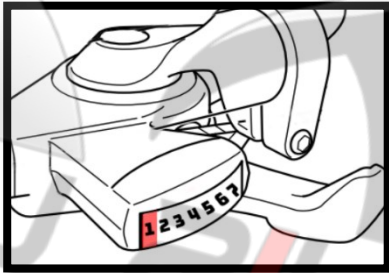
Adjusting Gear Pulley

Using a Philips head screwdriver
Turn (D) Clockwise to align the pulley
with Gear 7



Gears – Gear #1 Pulley Alignment

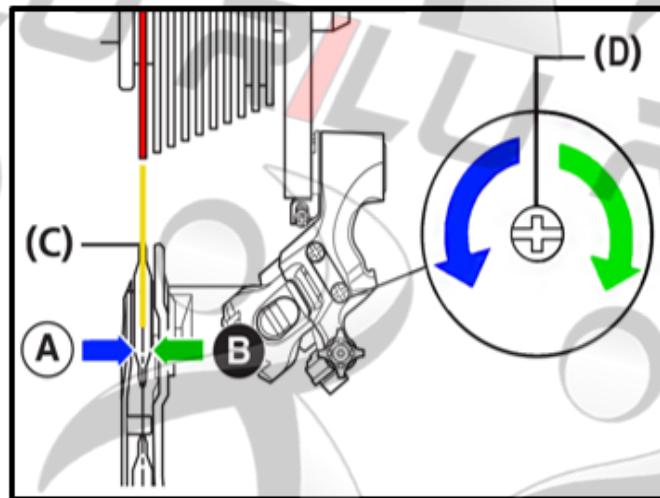
STEP 1



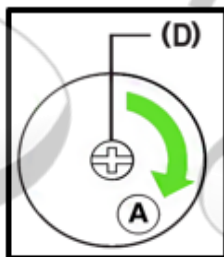
Shift Lever

Turn the cranks clockwise and use the gear lever to shift into "7" then back down "1" two times over.

Set the gear lever to "1"



STEP 2

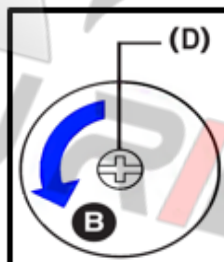


Adjusting Gear Pulley

Using a Philips head screwdriver
Turn (D) Clockwise.
Move Gear Pulley (CW) the left

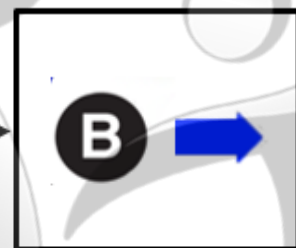


STEP 3



Adjusting Gear Pulley

Using a Philips head screwdriver
Turn (D) Counter Clockwise.
Move Gear Pulley (CCW) the left



Motor – Tire Change

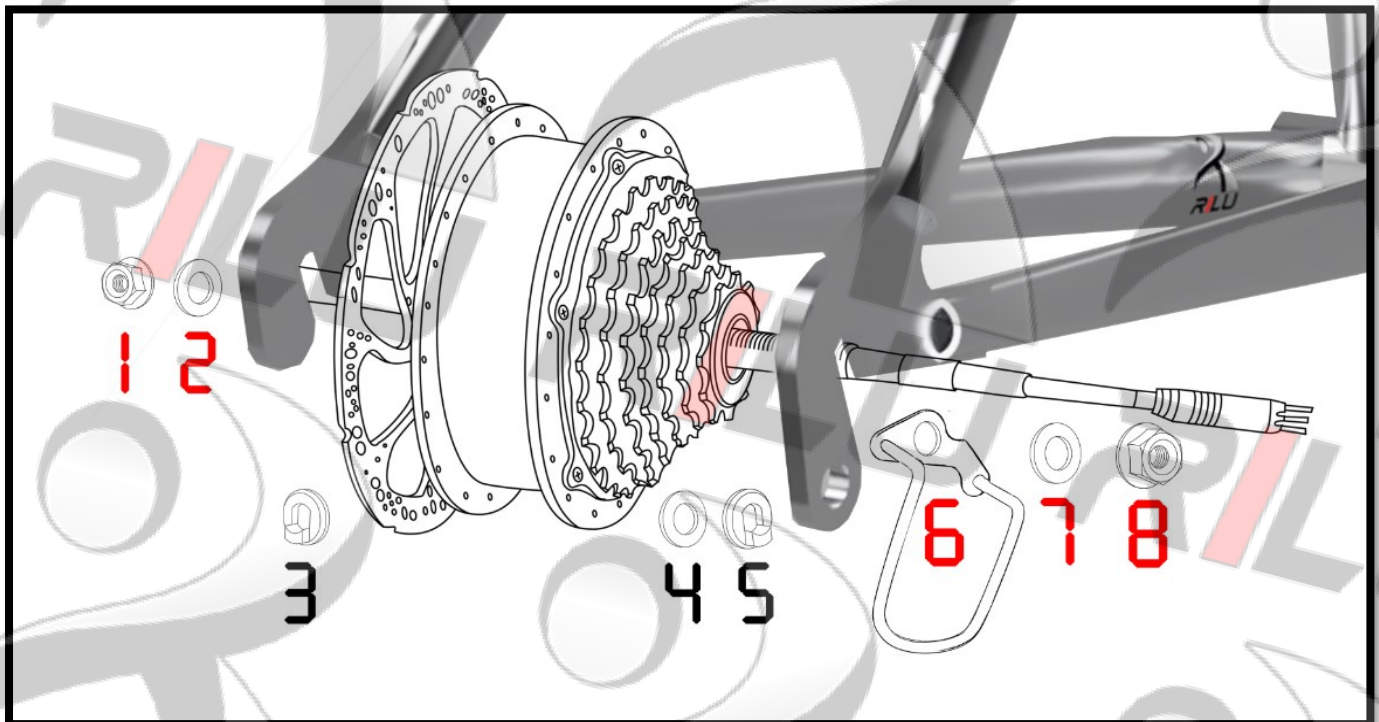
Un-Plug Cable



18mm SPANNER



AXLE ASSEMBLY



DISC - SIDE

1	2	3
Outer Nut	Outer Washer	Inner C-Washer

GEARS - SIDE

4	5	6	7	8
Inner Washer	Inner C-Washer	Outer Hanger	Outer Washer	Outer Nut

Battery – Safety Notes

 WARNING	 WARNING	 WARNING	 WARNING	 WARNING
 CHARGE EVERY 3 MONTHS	 Li-ion SAFELY DISPOSE	 STORE IN DARK PLACE	 LED RED CHARGE ASAP	 SAFE OPERATING RANGE

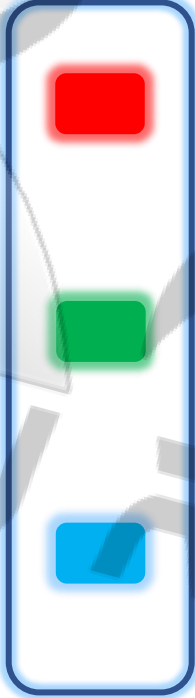
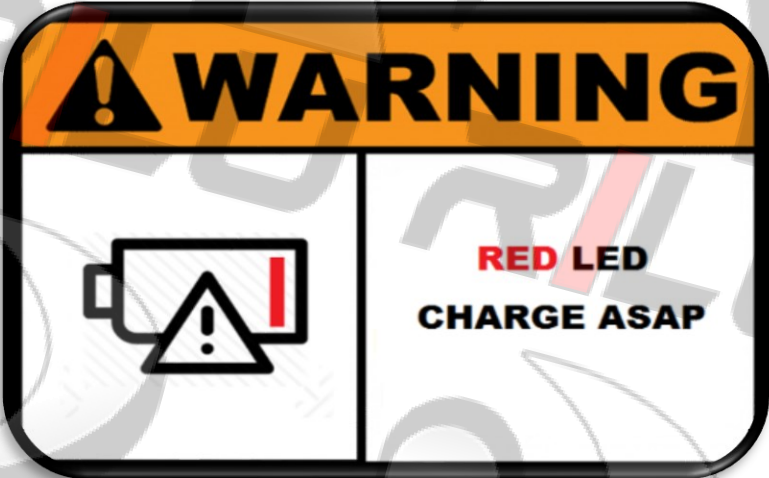
Battery – Locking

 **WARNING**

 	LOCK BATTERY PRE RIDE
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Battery – Capacity Bar

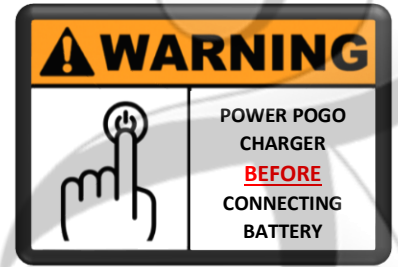


BATTERY
LOW

BATTERY
HALF

BATTERY
FULL

Battery - Charger Warnings



The charger will warm up during charging. Ensure charging takes place in a well-ventilated area.

DO NOT cover the charger.
DO NOT cover the battery during charging.

Battery – Charging Error



Battery (RED) & Charger (GREEN)



ASK YOUR DEALER TO INSPECT YOUR BIKE ASAP

Pedal Sensor – No Motor Power



PAS Sensor – Error Gap



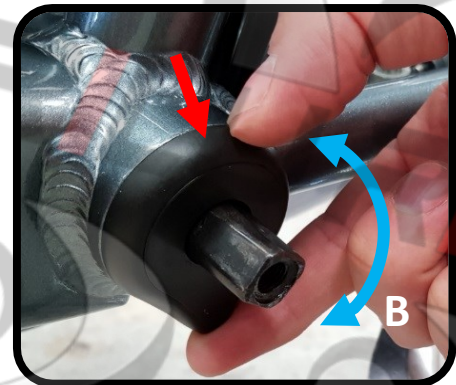
NO GAP

Between sensor and the frame.



NO MOVEMENT

Sensor must remain firm when twisted.



If the sensor becomes misaligned it is possible that your pedal motion may not be detectible. This will cause intermittent (or no motor power) output to occur.

Diagnosing - Faulty PAS Sensor

If you are riding the bike in Level 1 – 5 and do not experience any motor power.

Step 1 - Stop riding the bike

Step 2 - Step of the bike and stand beside it

Step 3 - Hold the – (Down) button on the Display to activate 6Km/h walk function

Step 4 - If the motor only works using 6km/h please contact dealer for servicing.

Step 5 - If the motor does not turn using either 6km/h walk assist or Level 1 – 5 when pedalling please check motor cable is connected correctly and tightly

Replacing - Faulty PAS Sensor

Step 1 - Remove the axle bolt using an 8mm Allen key

Step 2 - Use a crank puller to remove the crank



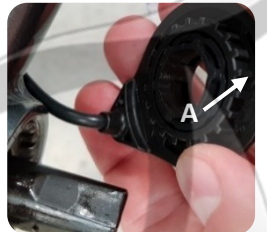
Step 3 - Remove the pedal

Step 5 - Gently use a flat head screwdriver to wedge and pry the PAS sensor (be very gently)

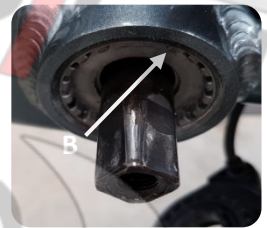


Step 6 - Fully remove the PAS from the axle by wiggling by hand

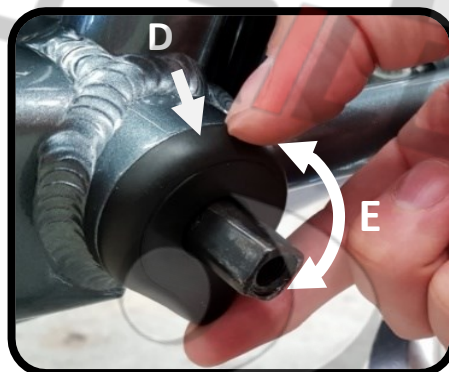
Step 7 - Inspect the PAS sensor teeth for damage
All teeth must be in good condition, (A) No damage to teeth



Step 8 - (B) Align teeth and re-install the PAS sensor onto the axle
(C) The sensor cable must be at the base, towards the ground



Step 9 - Check the PAS sensor is snugly fit with no play.
(D) **No gaps**, between sensor and frame.
(E) **No movement**, sensor remains firm when twisted.



Step 10 - Re-install the crank arm and tighten the 8mm

Service Logbook
1st Year

Store	Mechanic	Adjustments	Comments
250Km 1 Month			
1250Km 3 Month			
2500Km 6 Month			
5000Km 12 Month			

Service Logbook
2nd Year

Store	Mechanic	Adjustments	Comments
7500Km 15 Month			
10,000Km 18 Month			
12,500Km 21 Month			
15,000Km 24 Month			



Recommended Service Interval (relative to component warranty)
 ODO Estimations based of 20kmh commute 3 days a week

		Frame	Brakes	Gears	Fork	Rims	Spokes	Stem, Seat....	Electrical
1st Year									
250km	1 Month	✓	✓	✓	✓	✓	✓	✓	✓
1250km	3 Month	✓	✓	✓	✓	✓	✓	✓	✓
2500km	6 Month	✓	✓	✓	✓	✓	✓	✓	✓
5000km	12 Month	✓	✓	✓	✓	✓	✓	✓	✓
2nd Year									
7500km	15 Month	✓	✓	✓	✓	✓	✓	✓	✓
10,000km	18 Month	✓	✓	✓	✓	✓	✓	✓	✓
12,500km	21 Month	✓	✓	✓	✓	✓	✓	✓	✓
15,000km	24 Month	✓	✓	✓	✓	✓	✓	✓	✓



COMPONENT WARRANTY CHART **

SMS REGISTRATION + ACTIVATION UNLOCKED = 2 YEARS WARRANTY

Frames	Standard	25,00Km	5 Year
	Folding	15,00Km	3 Year

Brakes	V-Brake	1,500Km	1 Year
	Disc	3,000Km	1 Year

Forks	Suspension	10,00Km	1 Year
	Rigid	15,00Km	2 Year

Gearing	7 Speed	4,000Km	1 Year
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Wheels	Spokes	3,000Km	1 Year
	Rims	5,00Km	1 Year

Other	Stem, Seat etc	5,000Km	1 Year
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Electrical	Component	Standard	SMS ACTIVATION REQ.	
		Battery (80%)	5000km	1 Year
	Motor, Display	5000km	1 Year	2 Year
	Charger, Controller	5000km	1 Year	2 Year

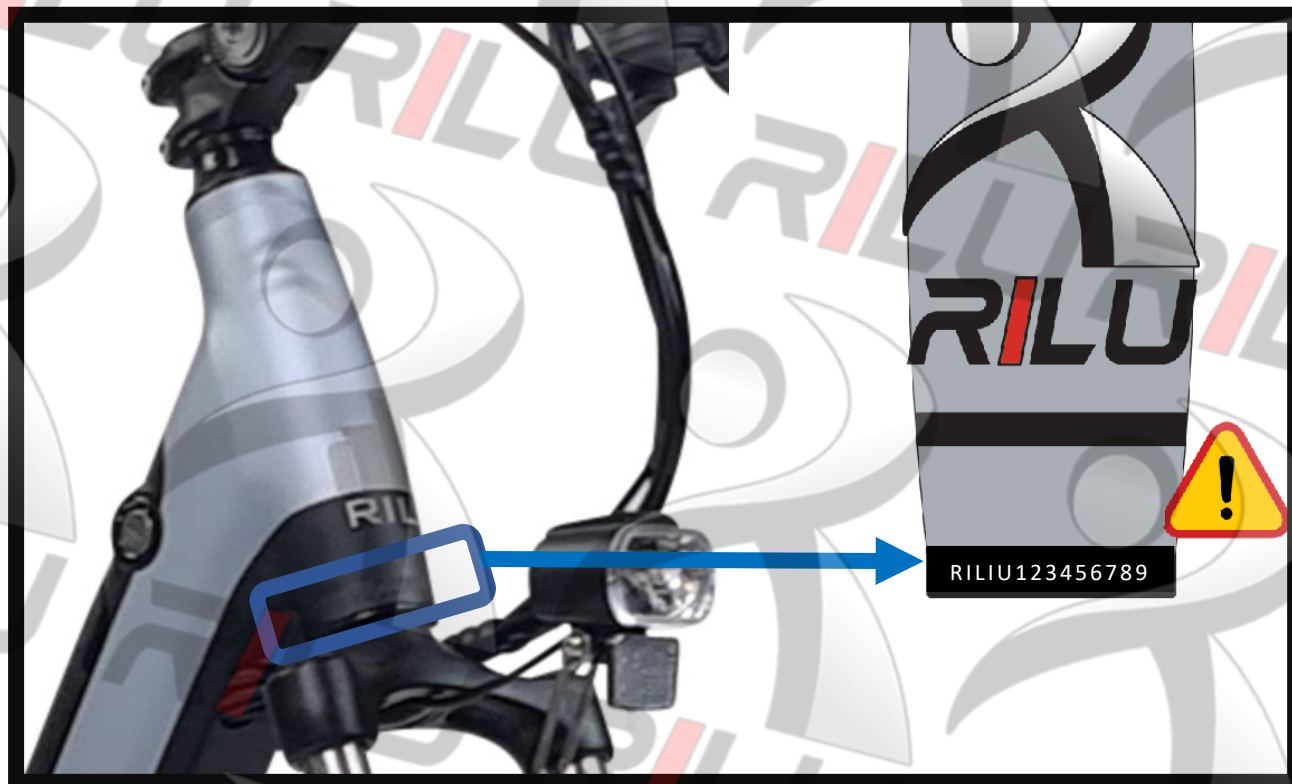
SMS ACTIVATION REQ.

10,000km	2 Year
10,000km	2 Year
10,000km	2 Year

DEALER NOTES PAGE

QR CODE NOT WORKING?

CHECK THE VIN# OF YOUR POGO



SMS: 0400 000 000

RILIU1234567890, 2YEAR , Postcode ####

AUTO WARRANTY REGISTRATION

STEP 1 .

SCAN THE QR CODE
LOCATED ON USER MANUAL BACK PAGE

STEP 2.

CLICK THE POP-UP
AUTO FILLED SMS MESSAGE WITH:
"Your Serial Number, 2 Year, Your Postcode:"

STEP 3.

TYPE YOUR POSTCODE INTO THE SMS

STEP 4.

PRESS SEND (SMS)

STEP 5.

RECEIVE A CONFIRMATION SMS REPLY
"Congratulations your 2 Year...."

STEP 6.

REPLY WITH A PHOTO OF YOUR RECEIPT
AS PROOF OF PURCHASE



SCAN



CLICK



SMS

RILIU1234567890, 2YEAR, POSTCODE:

SEND



SNAP



MMS



SEND

2 YEAR WARRANTY ACTIVATED