

USER MANUAL



N O M A D



REV.06062022-UM

1800 MY RILU

RILU

Welcome

Congratulation on your purchase of a RILU NOMAD. Your NOMAD has two different ways of activating motor power.

Throttle

Located on the left-hand side of the handlebar is a thumb triggered throttle which enables you to control the speed of the motor up to 20km/h without the need for pedalling.

To learn about limiting your throttle speed read the section titled *“Throttle Speed Menu”*

PAS

Built into your NOMAD 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 – 5 on the LCD display you can adjust the amount of ‘motor output power that is automatically given when pedalling is detected by the PAS.

To learn more about the speed of each PAS read the section titled *“PAS Level Speeds”*



SMS
REGISTRATION

SERIALIZED EBIKE



ACTIVATION
UNLOCKED

DETAILS LOGGED

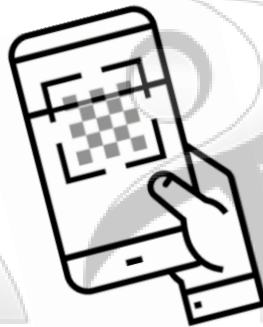


2 YEARS
WARRANTY

SUCCESS

2 YEAR WARRANTY

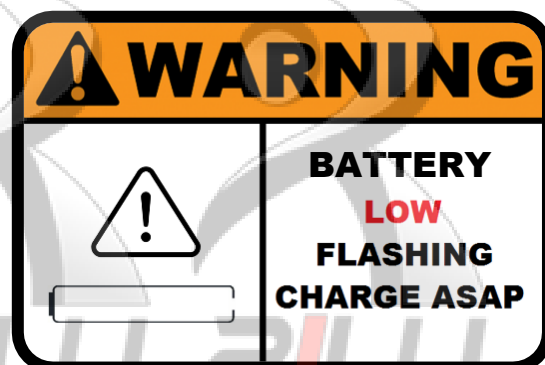
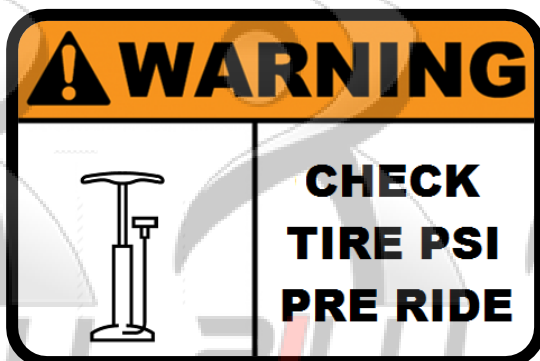
SCAN QR CODE



*Located on the back page
of this user manual*

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 NOMAD.



POWER ON NOMAD



HOLD " M "
2 SECONDS



LIGHTS – TURN ON / OFF



HOLD " + "
4 SECONDS



TRIP METER – REST



HOLD " + & M "
10 SECONDS

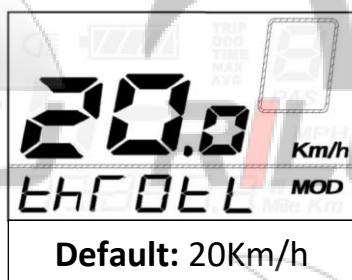


Display - PAS Levels

PAS LEVEL	PAS SPEED	THROTTLE SPEED
0	0 Km/h	20 or 6 km/h
1	8 Km/h	20 or 6 km/h
2	12 Km/h	20 or 6 km/h
3	15 km/h	20 or 6 km/h
4	20 km/h	20 or 6 km/h
5	25 km/h	20 or 6 km/h

Display - Throttle Speed

HOLD "M & -"
10 SECONDS



Adjust
PRESS " + or - "



Confirm
HOLD "M"

Display - Error Codes

Please take note of the number next to **ERR** flashing warning on your LCD.

Cross check it with the error code table and contact your dealer if you are unable to resolve the error.

ASK YOUR DEALER TO INSPECT YOUR BIKE ASAP



Error code #	Fault
Err 21	Controller Damaged – Requires Replacement
Err 22	Throttle Fault – UNPLUG THROTTLE (YELLOW)
Err 23	Motor Phase Sync – CHECK MOTOR CABLE
Err 24	Motor Hall Sensor – CHECK MOTOR CABLE
Err 25	eABS Sensor Jammed – CHECK BRAKE LEVERS (RED)
Err 30	DISPLAY COMM ERROR – CHECK LCD CABLE (GREEN)

Folding - NOMAD

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



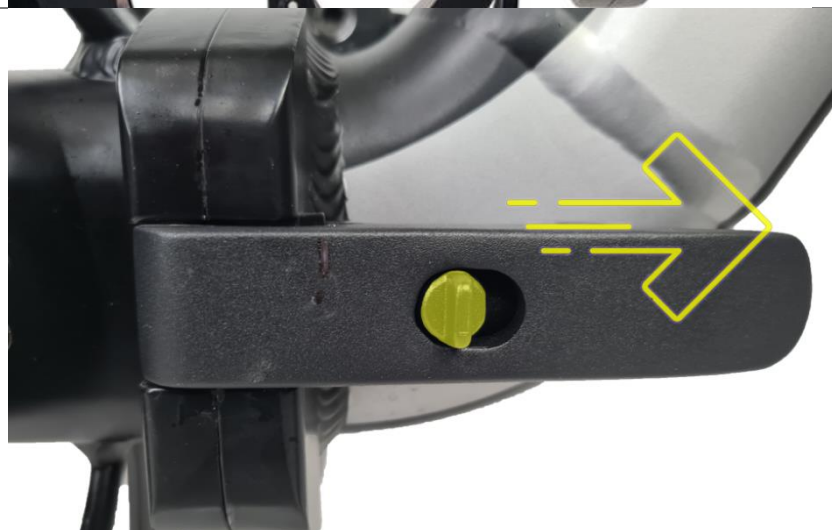
STEP 4

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



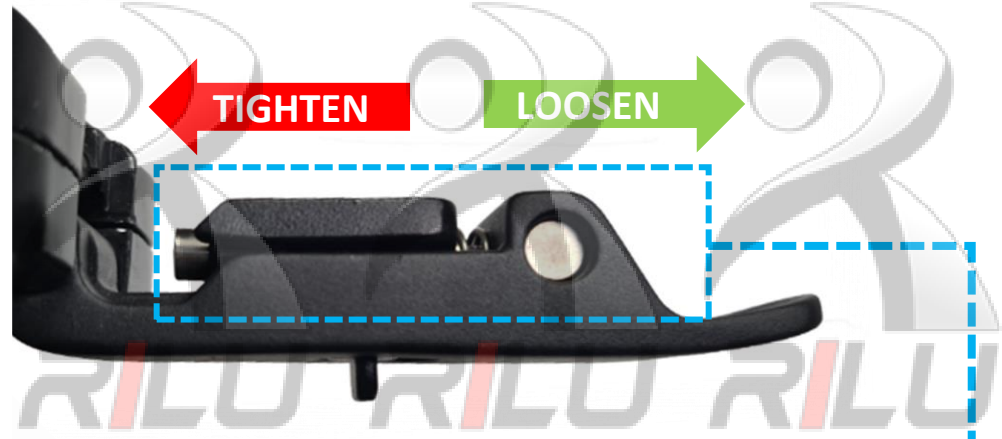
FOLD





Adjusting - Folding Clamp

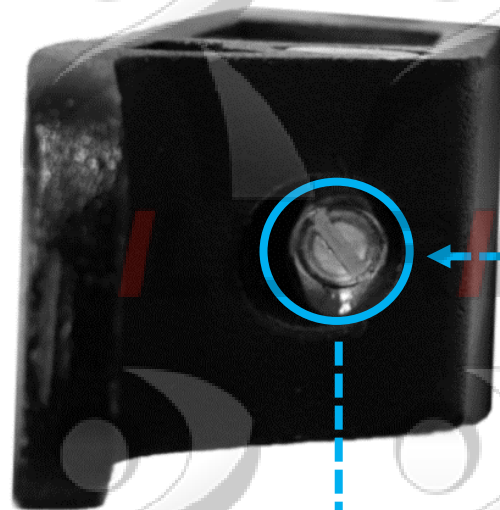
Over time you may need to adjust the folding clamp if you are unable to fully close the clamp before riding or if the folding lock is loose and doesn't grip the frame.



CCW
LOOSEN



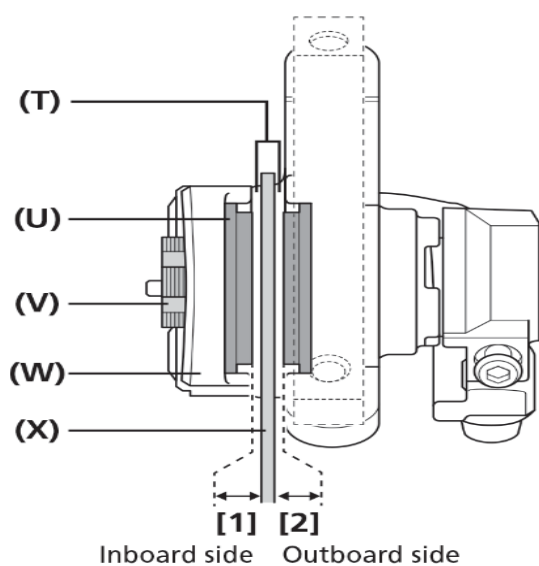
CW
TIGHTEN



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

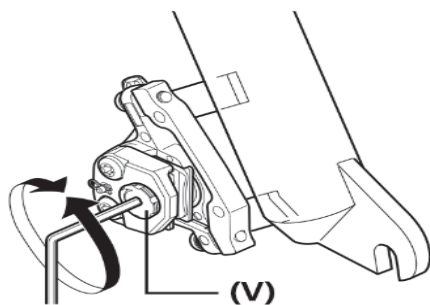


Adjust both clearances between the disc brake rotor and brake pads so that they are within the below range and equal: inboard side [1] = outboard side [2].

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

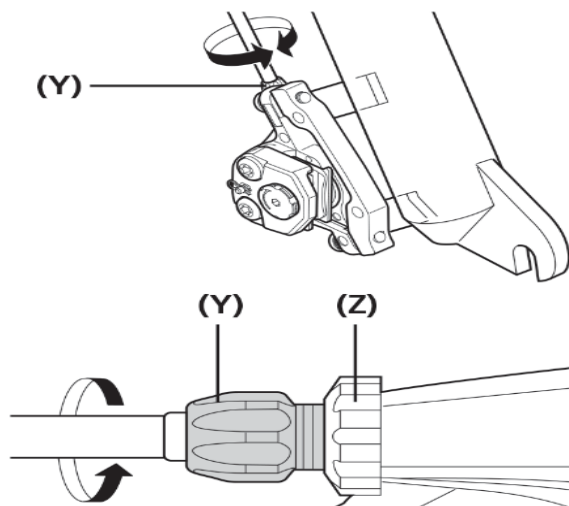
- (T) Rotor slit
- (U) Brake pad
- (V) Pad adjustment screw
- (W) Caliper
- (X) Disc brake rotor
- (Y) Cable adjustment barrel
- (Z) Cable adjustment nut

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 NOMAD

! WARNING

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

! WARNING

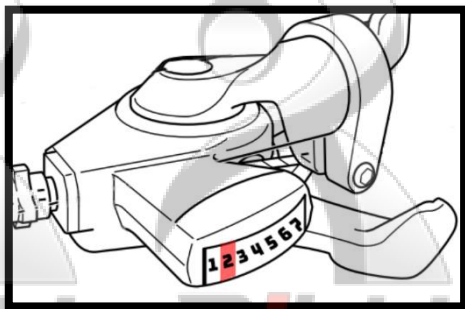
TURN OFF electric system when working on NOMAD



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

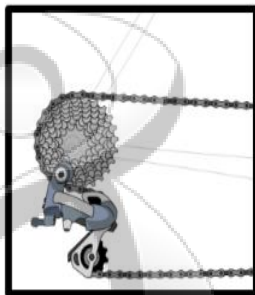


Shift Lever

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"

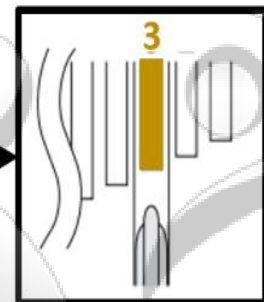
STEP 2



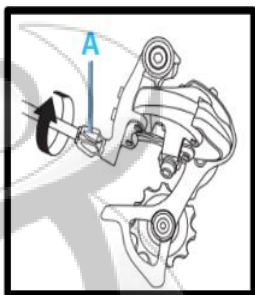
Observe Gearing

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

Proceed to derailleur adjustment



STEP 3



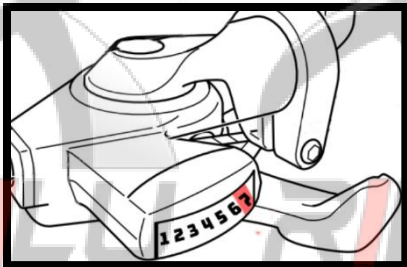
Adjust Derailleur

While turning the cranks clockwise
Shift on (A)
Stop when it reached gear 2



Gears – Gear #7 Pulley Alignment

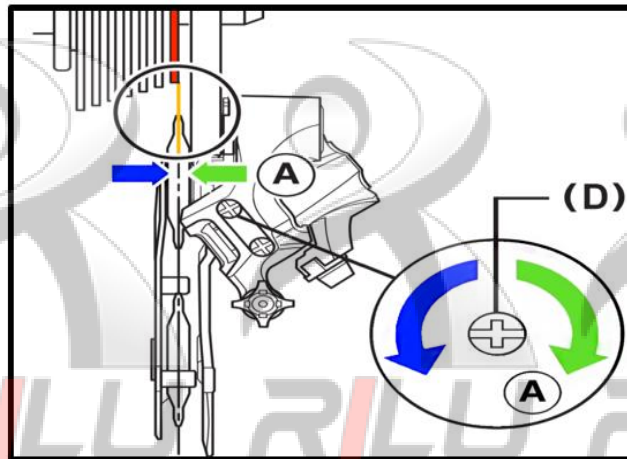
STEP 1



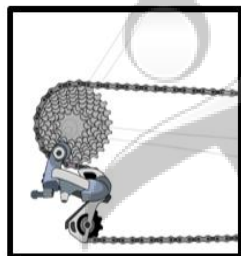
Shift Lever

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"

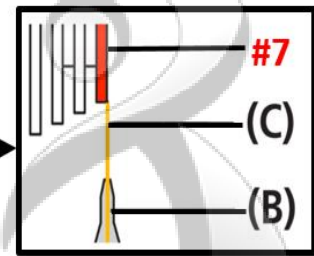


STEP 2

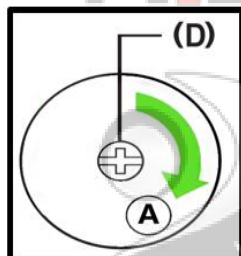


Observe Gearing

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

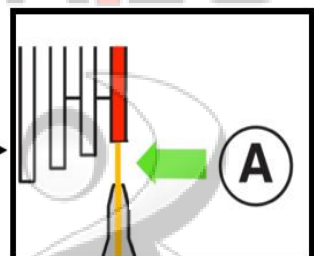


STEP 3



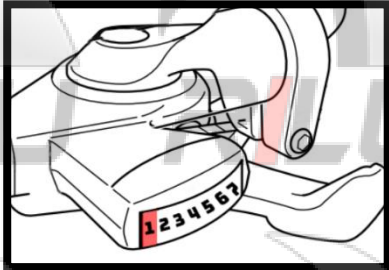
Adjusting Gear Pulley

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



Gears – Gear #1 Pulley Alignment

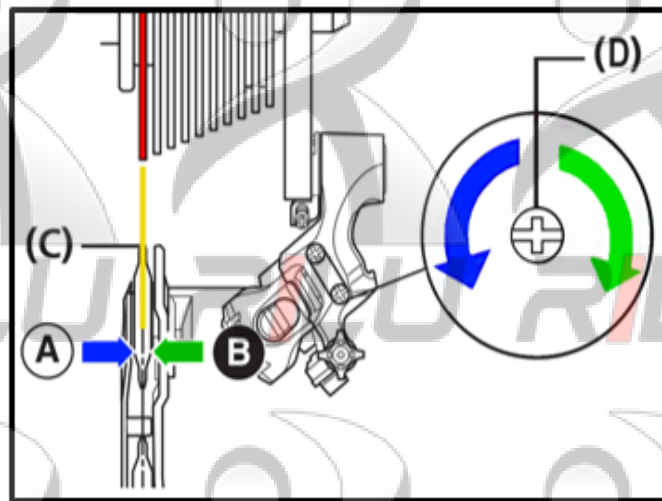
STEP 1



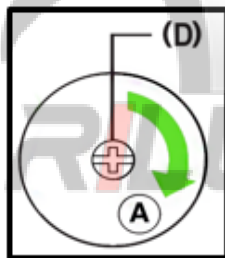
Shift Lever

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"

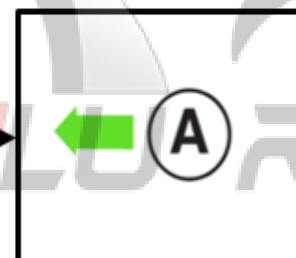


STEP 2

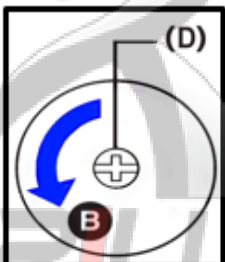


Adjusting Gear Pulley

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

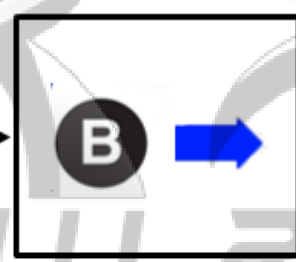


STEP 3



Adjusting Gear Pulley

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



Motor – Tire Change

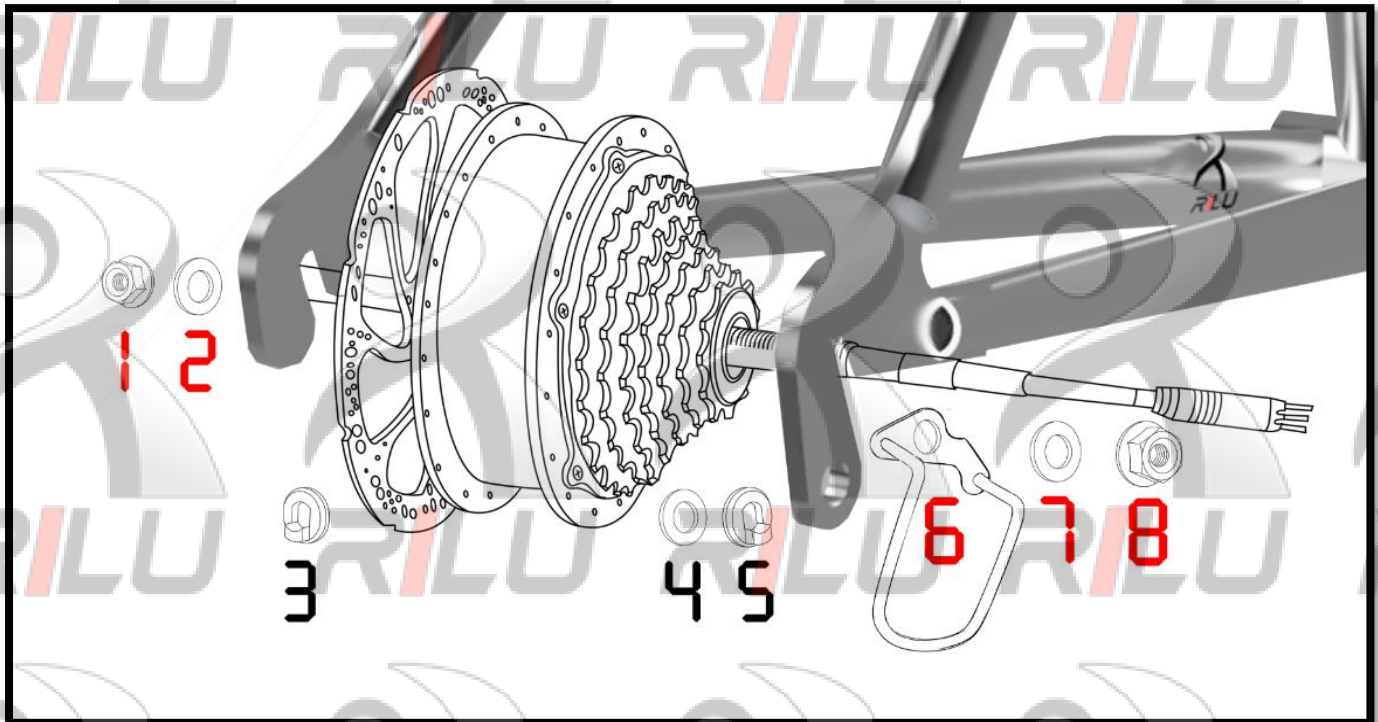
Un-Plug Cable



18mm SPANNER



AXLE ASSEMBLY



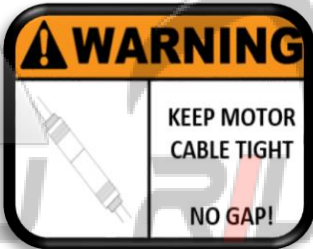
DISC - SIDE

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

Motor – Service Notes



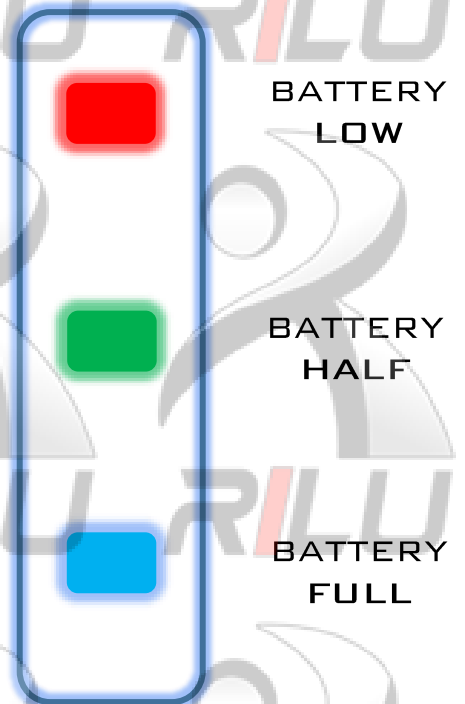
Battery – Safety Notes



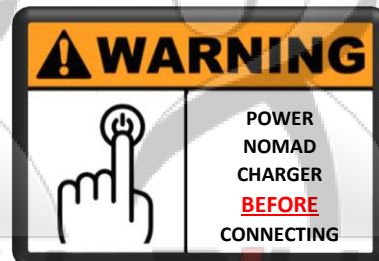
Battery – Locking



Battery – Capacity Bar



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

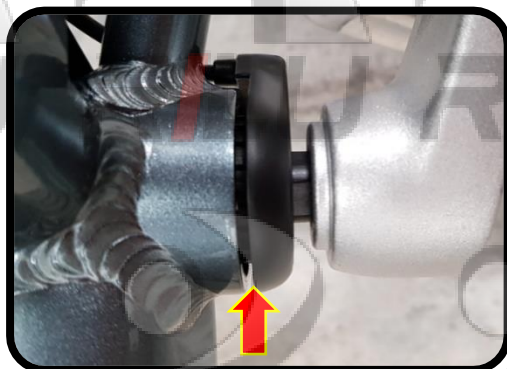


Battery (RED) & Charger (GREEN)



ASK YOUR DEALER TO INSPECT YOUR BIKE ASAP

Pedal Sensor – No Motor Power



PAS Sensor – Error Gap



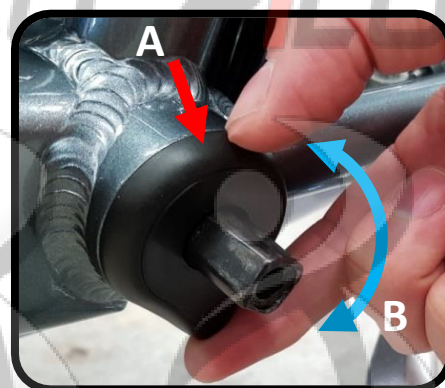
NO GAP

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 interment (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 NOMAD using an 8mm Allen key

Step 2 - Use a crank puller to remove the crank



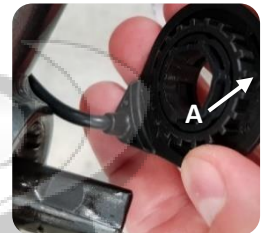
Step 3 - Remove the pedal

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

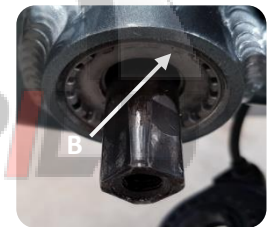


Step 6 - Fully remove the PAS from the axle by wiggling by hand

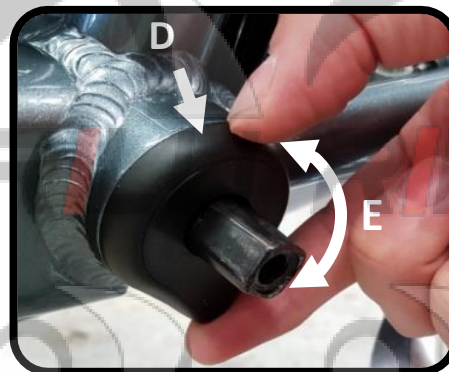
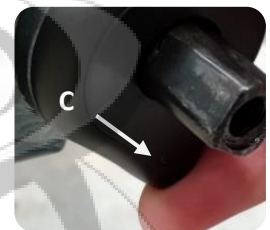
Step 7 - Inspect the PAS sensor teeth for damage
All teeth must be in good condition, (A) No damage to teeth



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

15,000Km 24 Month				
12,500Km 21 Month				
10,000Km 18 Month				
7500Km 15 Month				

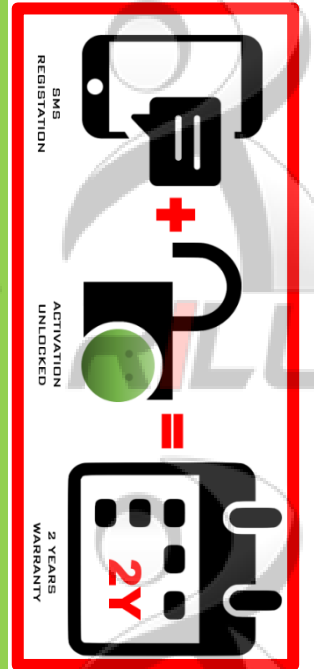
Store

Mechanic

Adjustments

Comments

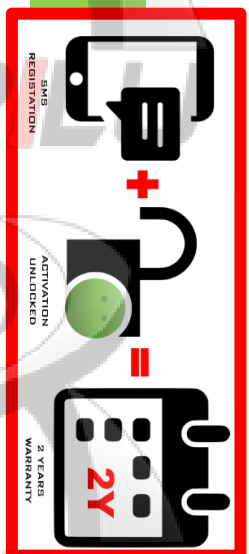
Service Logbook
2nd Year



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

	1st Year	Frame	Brakes	Gears	Fork	Rims	Spokes	Stem, Seat...	Electrical
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 **



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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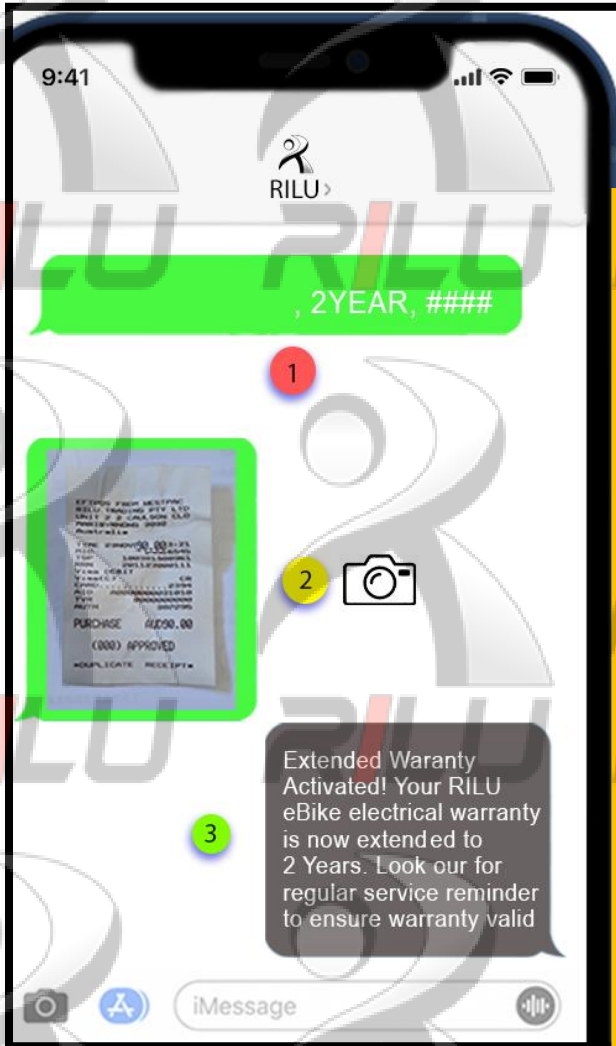
Wheels	Spokes	3,000km	1 Year
	Rims	5,00km	1 Year

Other	Stem, Seat etc	5,000km	1 Year
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Electrical	Component	Standard	SMS ACTIVATION REQ.		
		Battery (80%)	5000km	1 Year	10,00km
	Motor, Display	5000km	1 Year	10,00km	2 Year
	Charger, Controller	5000km	1 Year	10,00km	2 Year

MANUAL WARRANTY REGISTRATION

Try if the QR registration doesn't work for you



SMS: 0400 788 063
Your Serial , 2 YEAR, Your Postcode

1 SMS #1 : 123456... , 2 YEAR, Your Postcode

2 SMS #2: Send RILU a photo of your Receipt



3 YOU GET!

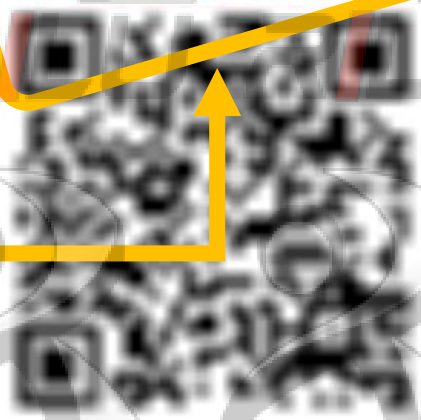


- 2 YEAR - Battery Coverage
- 2 YEAR - Motor Coverage
- 2 YEAR - Service Reminders

See "Componet Warranty Chart" ** for full details

ALL WARRANTY CLAIMS HAVE TO BE SUBMITTED THROUGH THE RETAILERS OF RILU E-BIKES AND ARE NOT ACCEPTED DIRECTLY BY RILU TRADING P/L SERVICE LOGBOOK IS REQUIRED FOR WARRANTY WARRANTY ONLY COVERS THE ORIGINAL PURCHASER

1 2 3 4 5 6....



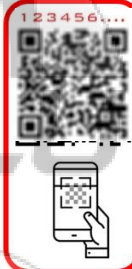
SCAN

CLICK

SMS

SNAP

MMS



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.

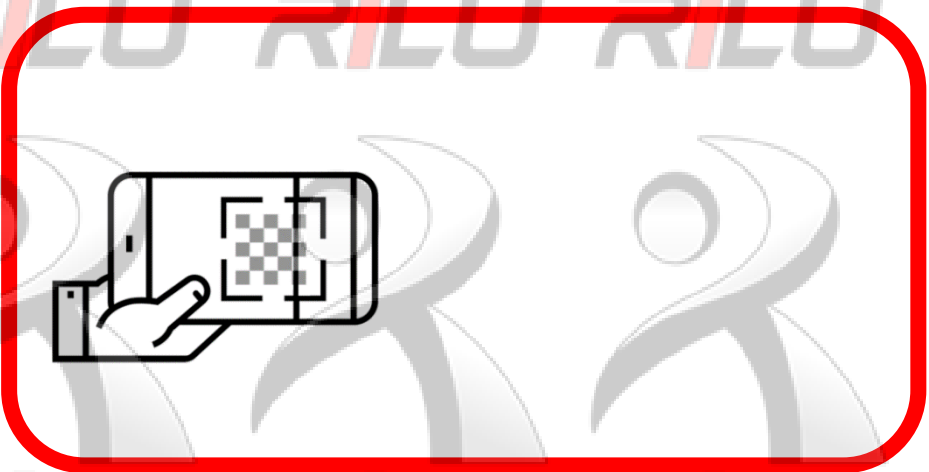
RECEIVE A CONFIRMATION SMS REPLY
"Congratulations your 2 Year..."

STEP 6.

REPLY WITH A PHOTO OF YOUR RECEIPT
AS PROOF OF PURCHASE

EXTENDED WARRANTY ACTIVATION

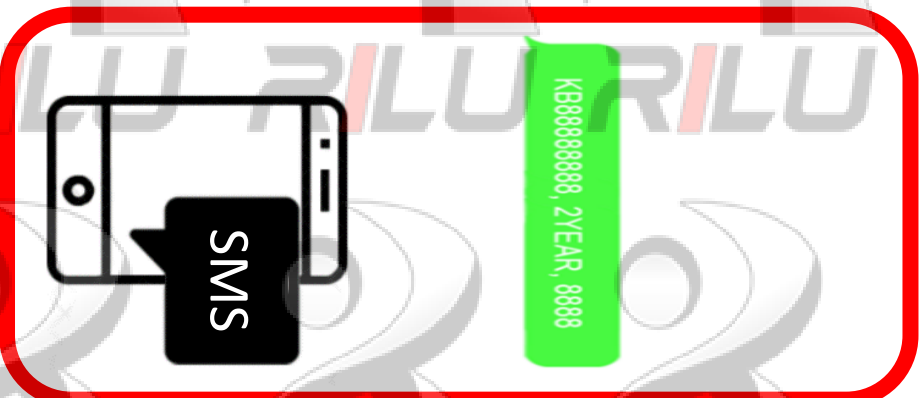
SCAN



CLICK



SMS



SNAP



MMS



STEP BY STEP GUIDE – TURN PAGE OVER