USER MANUAL

VEHICLE IDENTIFICATION PLATE

MFG	RILU TRADING PTY LTD
VIN	
SYS	250W - 25KMH

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

Welcome

Thank you and congratulation on your purchase of a RILU CRUZE with unique identification VIN# FZCJ3220800164.

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

Your CRUZE has two different ways of activating motor power.

Easy Start

Located on the left-hand side of the handlebar is a thumb throttle which enables you to control the speed of the motor up to 6km/h without the need for pedalling.

PAS

Built into your CRUZE is a "Pedal Assistance Sensor". This automatically detects the speed at which you pedal and activates the motors to a maximum of 25km/h.

You can modulate the amount of power the motor receives by selecting PAS 1/2/3/4/5 on your LCD display.

To learn more about the power of each PAS read the section titled "*PAS Level Settings*"

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 REGISTATION

UNLOCK WARRANTY

2 YEARS ELEC WARRANTY

STEP 1 .
SCAN THE QR CODE

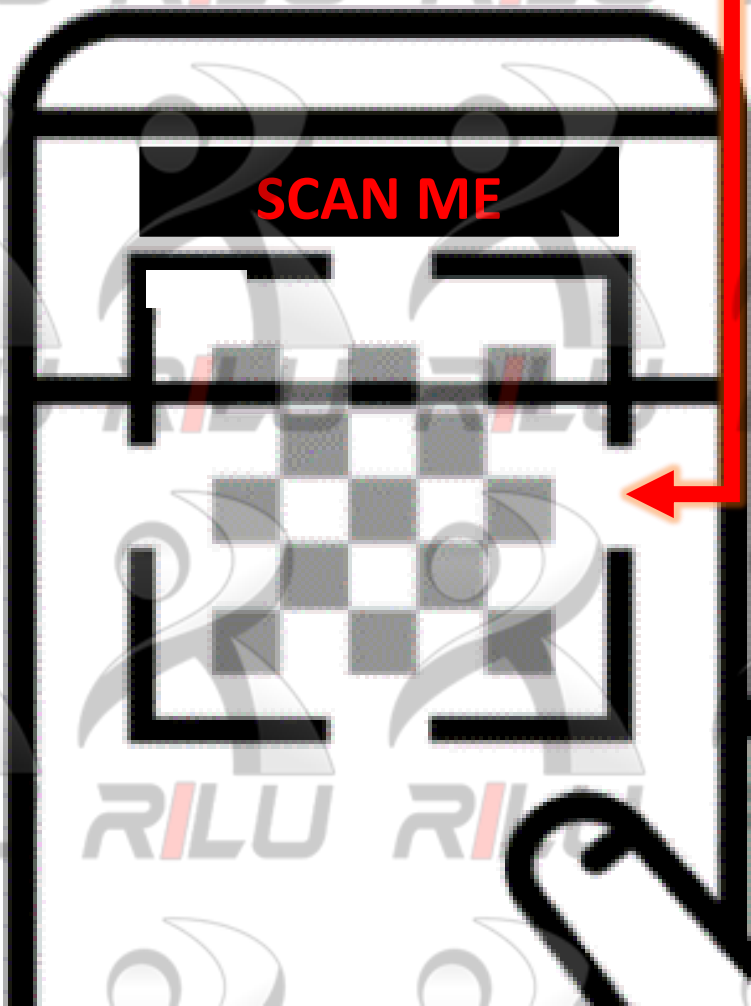
STEP 2.
CLICK THE POP-UP
AUTO FILLED SMS MESSAGE WITH:
00000000, 2 Year, Postcode

STEP 3.
ENTER YOUR POSTCODE

STEP 4.
PRESS SEND (SMS)

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

STEP 6.
REPLY WITH A PHOTO OF YOUR RECEIPT



Product Specifications

Gears:	7 Speed
Brakes:	Front and Rear Disc
Stem:	Quick Adjustable Stem
Fork:	Suspension Fork – 80mm Travel
Tire	27.5” x 2.8” Crème Ballon
Seat Post:	Fixed 30.4mm
Saddle:	Vegan Leather Wide

Motor:	36V / 250 W	(High Torque)
Throttle:	Thumb Start	(6Kmh – Easy Start)
Display:	LCD / 5 Modes	(Motor Power)
Battery:	36 V / 14AH	(Lithium Ion)
Charger:	36V / 2A	(Smart charger)
Lights:	N/A	

Range

The power enabled riding range of your CRUZE depends on:
Terrain, Weather, PAS Level & Battery Age
40Km – 100km

Charge Time: 5 - 6 Hours

Weight

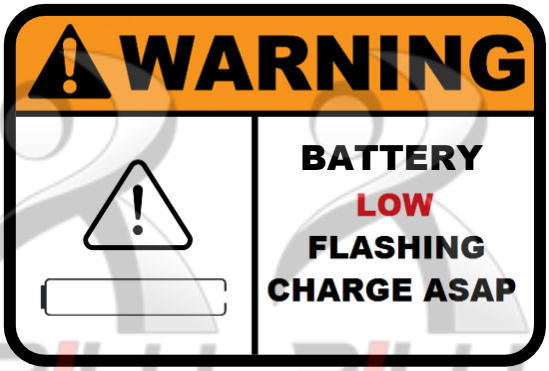
Bike Only: 22 Kg
Bike + Battery: 25 Kg

CRUZE Rated Load Weight: 120Kg

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 CRUZE.

CLEAN YOUR BIKE AFTER EVERY BEACH RIDE



POWER ON CRUZE

HOLD " M "
2 SECONDS

Adjusting your stem

UNLOCKING THE STEM

FIND

Stem Lock Notch

PUSH

Lock Notch

LIFT

Latch

UNLOCKED

Adjust the handlebar

LOCK

PUSH using your palm

⚠ WARNING

CHECK HANDLEBAR IS SECURE AND LOCKED BEOFRE RIDING

CLIMBING HILLS

Your CRUZE pedal sensor detects CADENCE.

This the rate of speed at which you are pedalling.

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

To achieve maximum motor assistance;

Gear down before reaching the hill.

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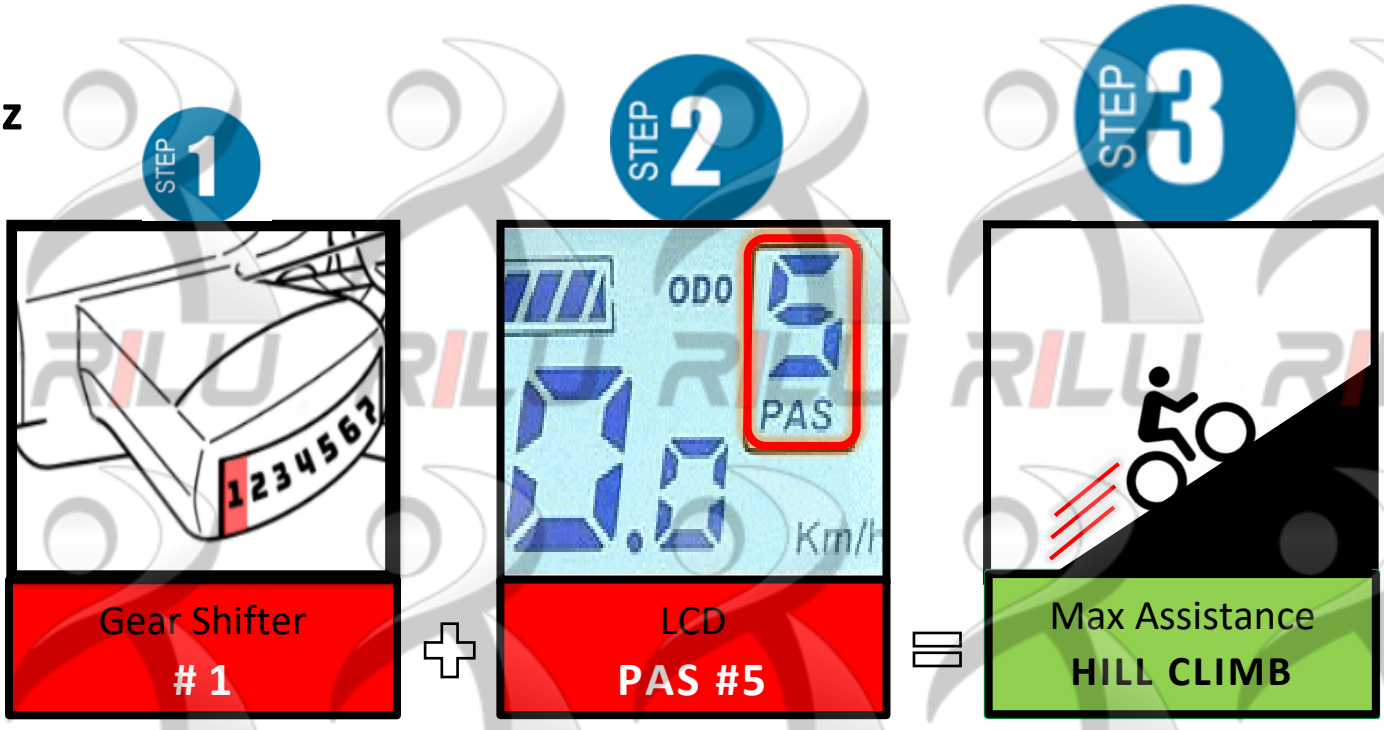


TRIP METER – REST

Hold " + & - "

Press " + "
Changes " tC – Y "

Hold " M "
Save & Exit

PAS Level Settings

PAS	Power	Easy Start
0	0%	0 km/h
1	25%	**6 km/h**
2	35%	**6 km/h**
3	50%	**6 km/h**
4	85%	**6 km/h**
5	100%	**6 km/h**

Easy Start

Easy Start

6Km/h

⚠WARNING

PAS 1-5 must be selected for Easy Start to function

Easy start is designed to get you going on those hard starts.

For example, when you find yourself stopped at traffic lights in 7th gear you can engage easy start.

Easy Start is not a full speed throttle, it is a 'walk assist' replacement function that conforms to EPAC EN15194

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)

Adjusting - Gear Quick Adjustment

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 CRUZE

⚠ WARNING

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

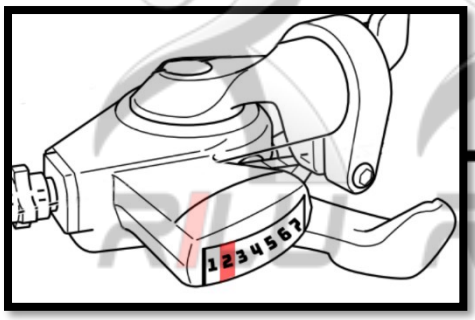
⚠ WARNING

TURN OFF electric system when working on CRUZE

Gearing Adjustment - 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

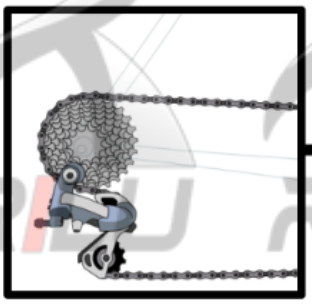


Shift Lever

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

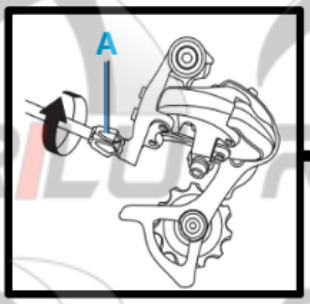


Observe Gearing

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

Proceed to derailleur adjustment

STEP 3

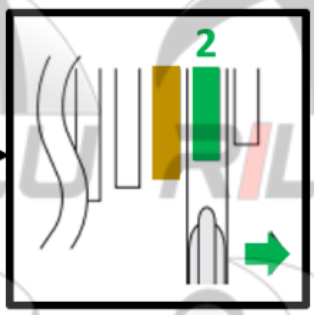


Adjust Derailleur

While turning the cranks clockwise

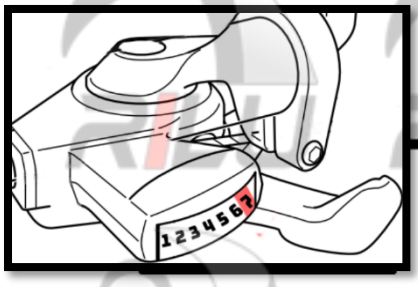
Tighte (A)

Stop when it reached gear 2



Gearing Adjustment – Gear #7 Pulley Alignment

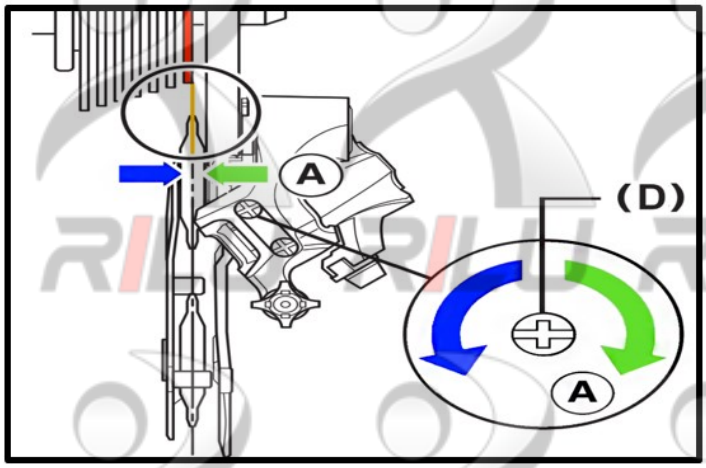
STEP 1



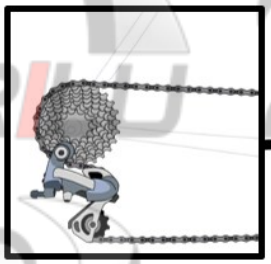
Shift Lever

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”

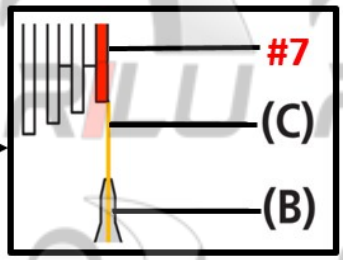


STEP 2

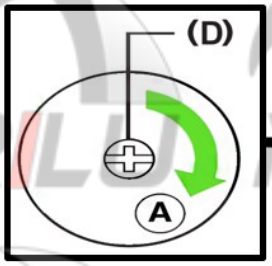


Observe Gearing

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

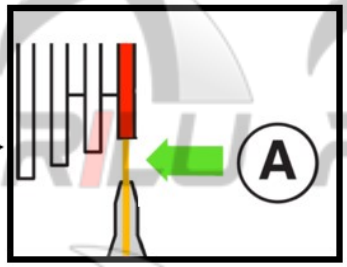


STEP 3



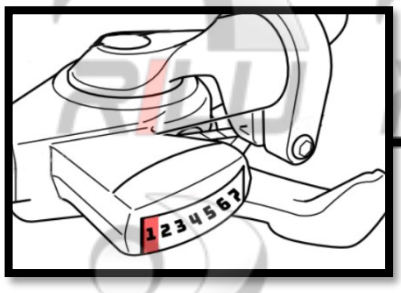
Adjusting Gear Pulley

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



Gearing Adjustment – Gear #1 Pulley Alignment

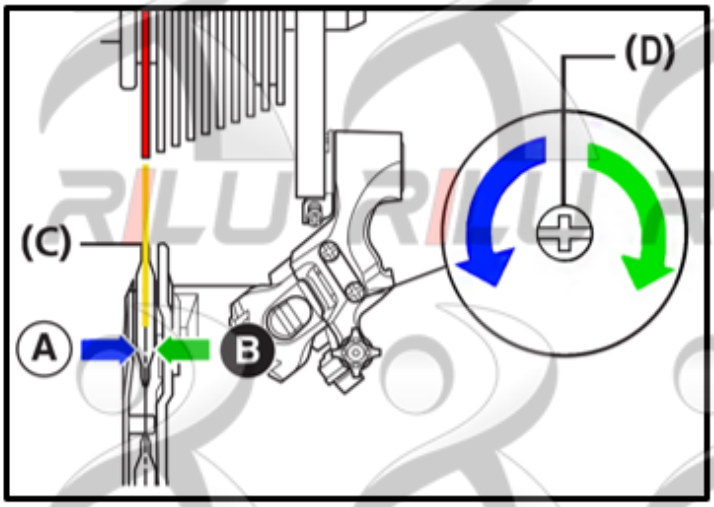
STEP 1



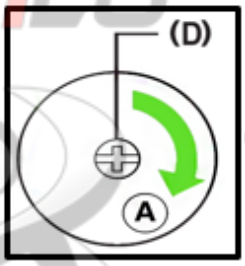
Shift Lever

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

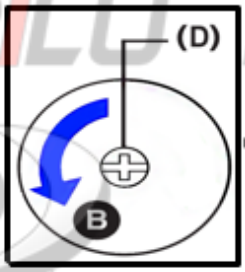


Adjusting Gear Pulley

Using a Philips head screwdriver
Turn **(D)** Clockwise.

Move Gear Pulley (CW) the left

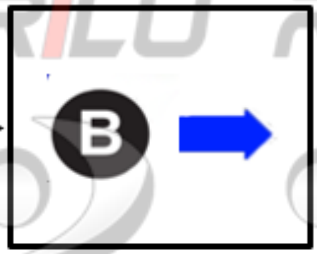
STEP 3



Adjusting Gear Pulley

Using a Philips head screwdriver
Turn **(D)** Counter Clockwise.

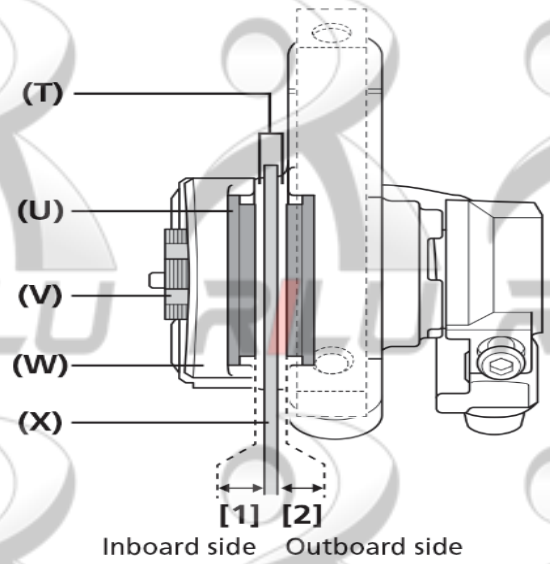
Move Gear Pulley (CCW) the left



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 DEALER FOR REGULAR SERVICE

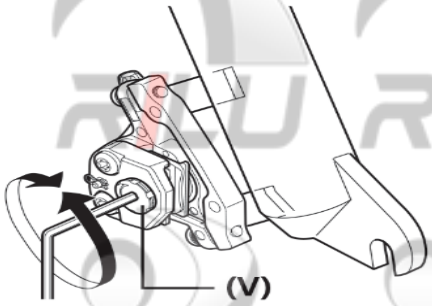


Adjust both clearances between the disc brake rotor and brake pads so that they are within the below range and equal: inboard side **[1]** = outboard side **[2]**.

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

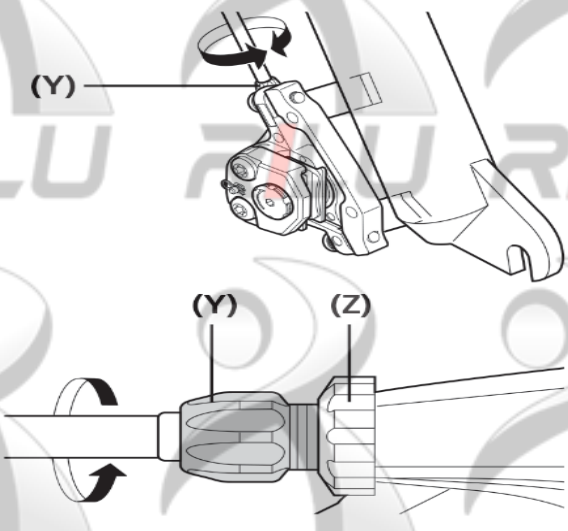
(T) Rotor slit
(U) Brake pad
(V) Pad adjustment screw
(W) Caliper
(X) Disc brake rotor
(Y) Cable adjustment barrel
(Z) Cable adjustment nut

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.

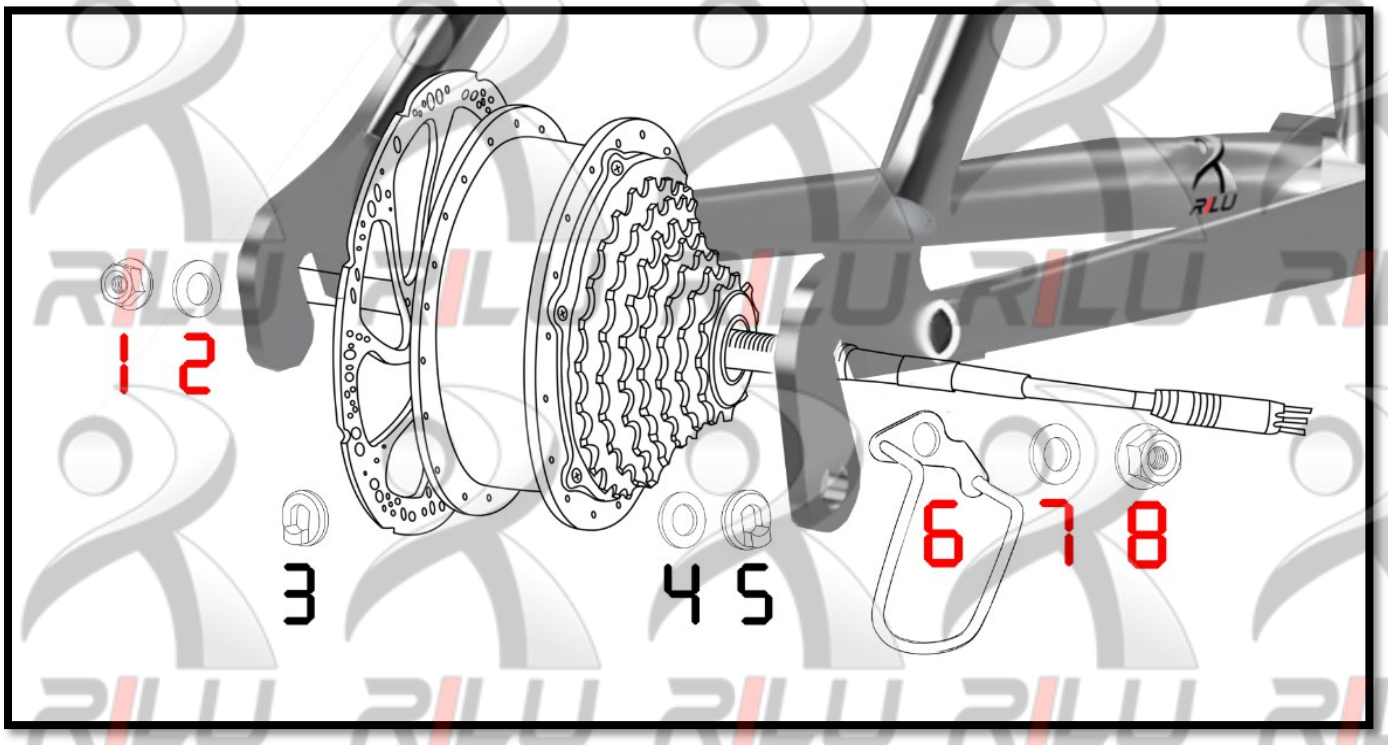
- Contact between the pads and the disc brake rotor may occur during operations other than braking.
- Sufficient braking force may not be obtained when the clearance becomes much greater on one side.
- The disc brake rotor makes contact with the calipers during braking.

Motor – Tire Change

Un-Plug Cable

18mm SPANNER

AXLE ASSEMBLY



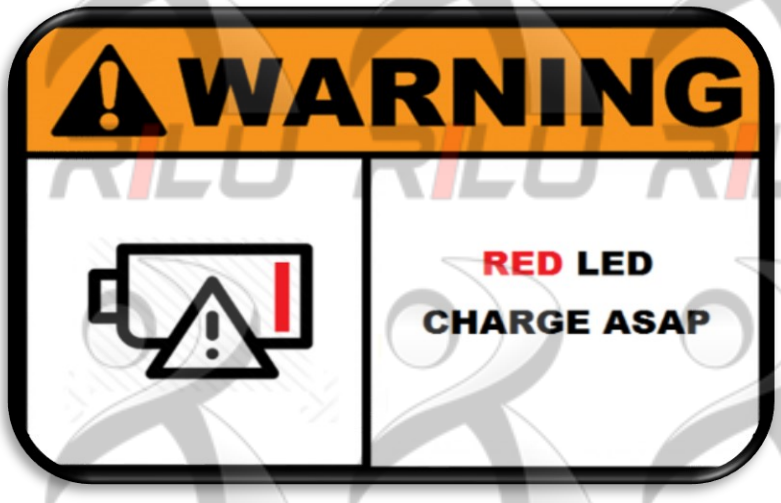
DISC - SIDE		
1	2	3
Outer Nut	**Outer** Washer	**Inner** C-Washer

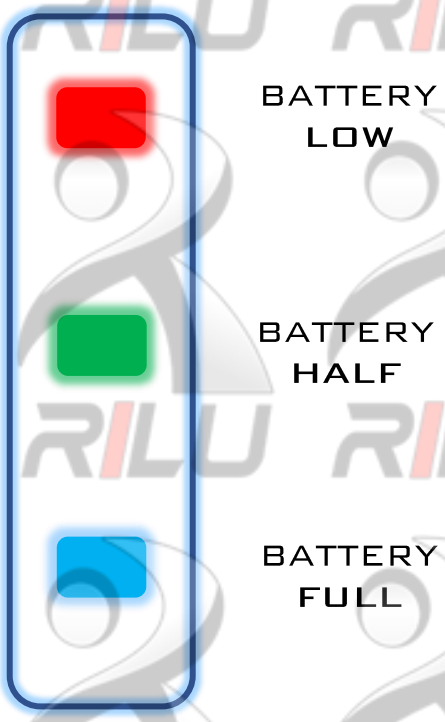
GEARS - SIDE				
4	5	6	7	8
Inner Washer	**Inner** C-Washer	**Outer** Hanger	**Outer** Washer	**Outer** Nut

Battery – Safety Notes

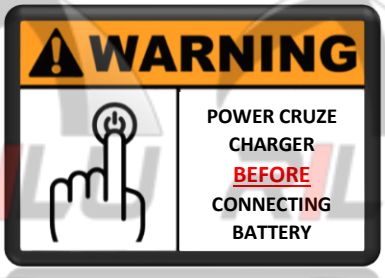
Battery – Locking

Battery – Capacity Bar





Battery - Charger Warnings



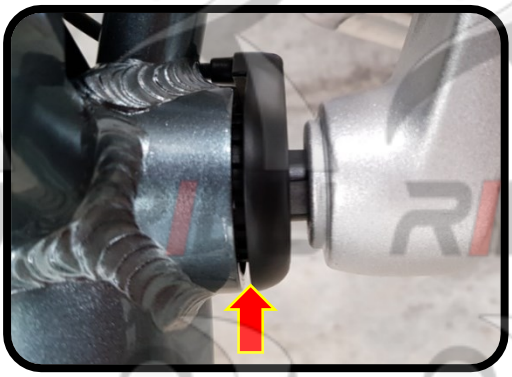
The charger will warm up during charging.
Ensure charging takes place in a well-ventilated area.
DO NOT cover the charger.
DO NOT cover the battery during charging.

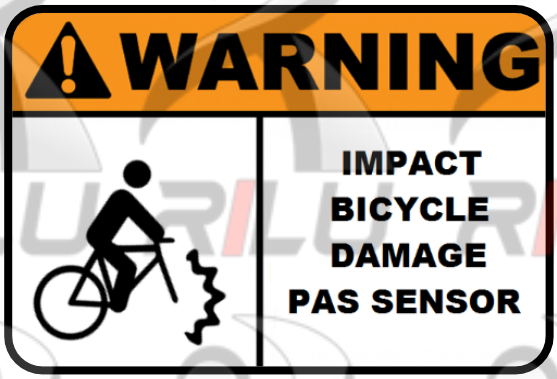
Battery – Charging Error

Battery (RED) & Charger (GREEN)

ASK YOUR DEALER TO INSPECT YOUR BIKE ASAP

Pedal Sensor – No Motor Power





PAS Sensor – Error Gap

A

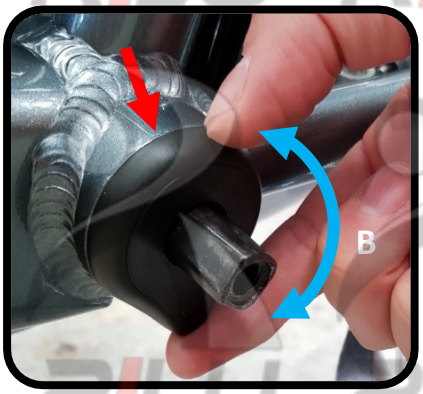
NO GAP

Between sensor and the frame.

B

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.

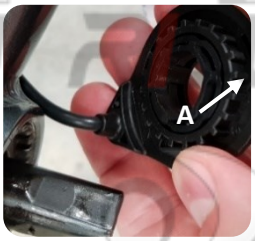
Step 5 - If the motor does not turn using either 6km/h walk assist or Level 1 – 5 when pedalling please check motor cable is connected correctly and tightly

Replacing - Faulty PAS Sensor

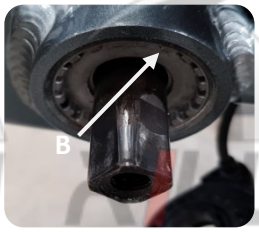
Step 1 - Remove the axle CRUZE using an 8mm Allen key
Step 2 - Use a crank puller to remove the crank

Step 3 - Remove the pedal
Step 5 - Gently use a flat head screw driver to wedge and pry the PAS sensor (be very gently)

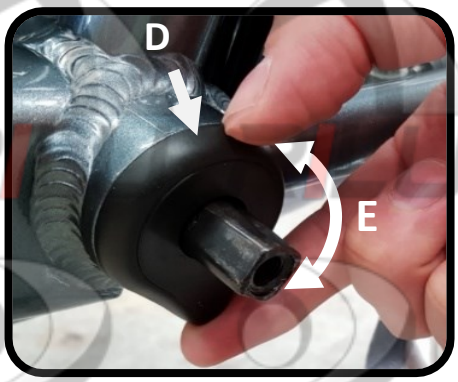
Step 6 - Fully remove the PAS from the axle by wiggling by hand
Step 7 - Inspect the PAS sensor teeth for damage
All teeth must be in good condition, (A) No damage to teeth



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