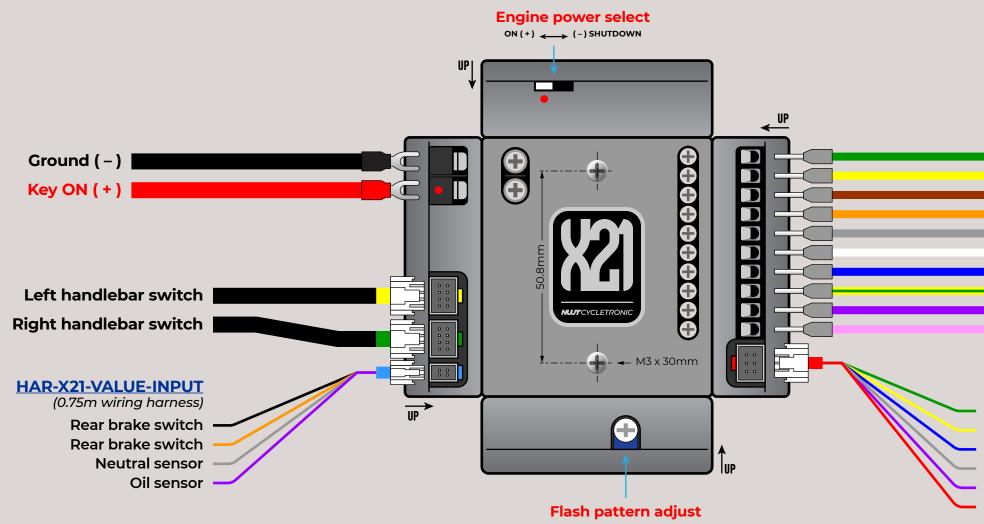


**Control Hub** 

BOX DIMENSION: L = 70mm, W = 62mm, H = 21mm



## **NUT**CYCLETRONIC

- (+) Right signal
- (+) Left signal
- (+) Tail marker
- (+) Brake light
- (+) Horn
- (+) Headlight LO
- (+) Headlight HI
- ( ) Starter solenoid
- (+) Starter solenoid
- (+/-) Engine power

# HAR-X21-VALUE-OUTPUT (1.25m wiring harness)

- (+) Right indicator
- (+) Left indicator
- (+) HI indicator
- (-) Neutral indicator
- (-) Oil indicator
- (+) Dash / indicator power

# **X21 VALUE PINOUT**

# Read installation thoroughly before starting.

- Component checklist [ ] Section A
- Section **B** Component mounting [ ]
- Power / charging / starting Section C
- Engine power / spark coil Section D [ ]
- Lights / horn Section E [ ]
- Switches / dash lights Section F [ ]
- System check Section G
- Finalizing Section H [ ]

Take pictures and document your progress. It comes in handy if or when you need help. Share your project with us and inspire others. Most importantly, **HAVE FUN!** It's a hobby, remember? We're here for you all the way.



### **SECTION A**

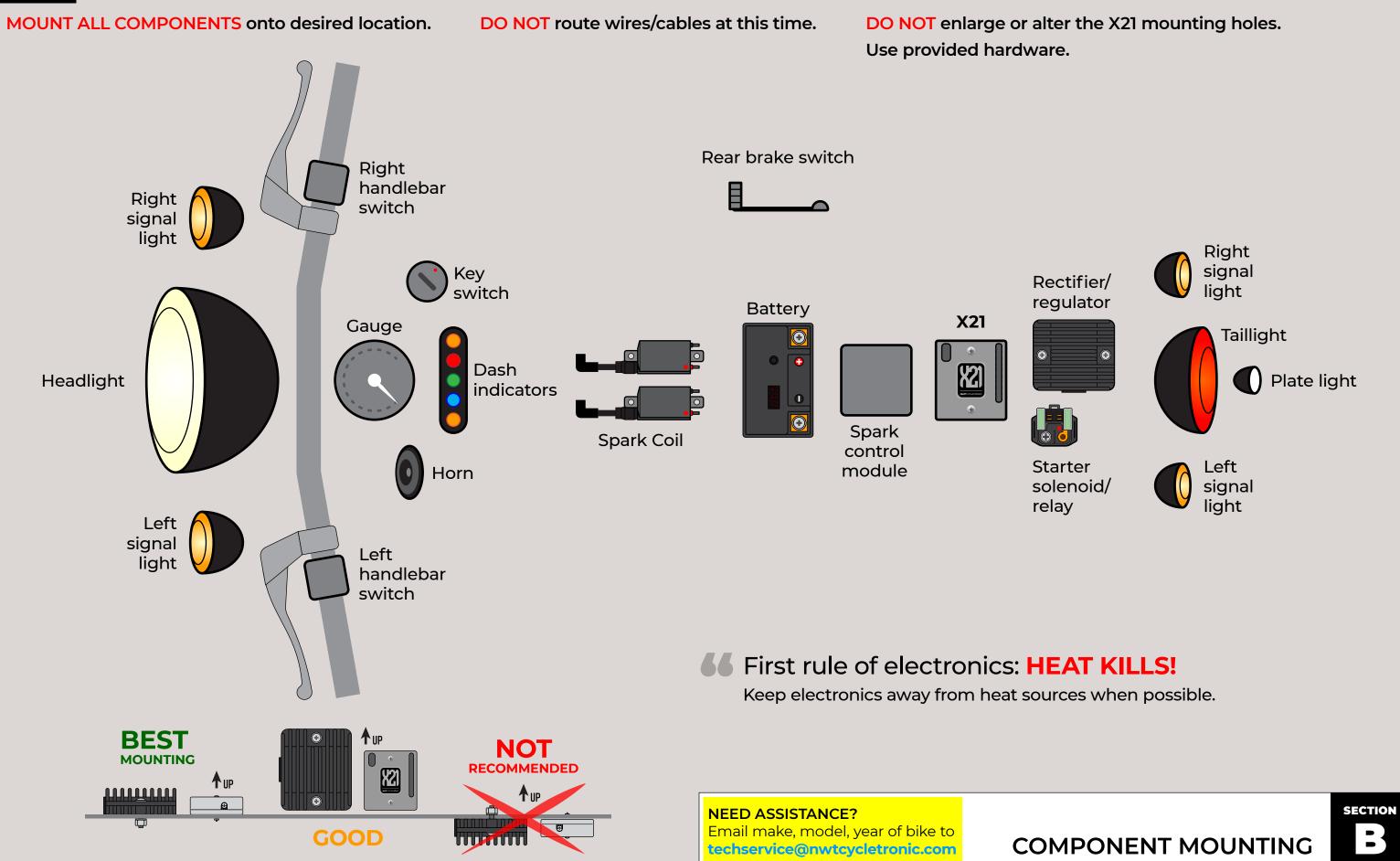
- Battery (MANDATORY)
- ] Rectifier/regulator (MANDATORY)
- ] Starter solenoid/relay \*electric start bikes only\*
- ] Spark control module (CDI / TCI / points breaker )
- ] Spark plug coil(s)
- ] Key switch
- ] Gauge(s)
- ] Dash indicators
- ] Headlight
- ] Signal lights
- [] Horn
- ] Taillight
- ] Plate light \*optional\*
- ] Brake switch (front / rear )
- ] Neutral sensor switch
- ] Additional sensors/switches (oil / clutch )

- [ ] 8awg or LARGER wires (battery / solenoid / starter motor)
- [ ] 16awg wires (key switch)
- [ ] 18awg wires (horn / headlight / etc.)
- [ ] 20awg or SMALLER wires (LED lights)
- [ ] Various size RING terminals
- [ ] Various connectors or solder with shrink tube
- [ ] Zip ties
- [ ] Tape / cable wraps / split loom
- [ ] Single FUSE HOLDER \*for non protected starter solenoids / key switches\*





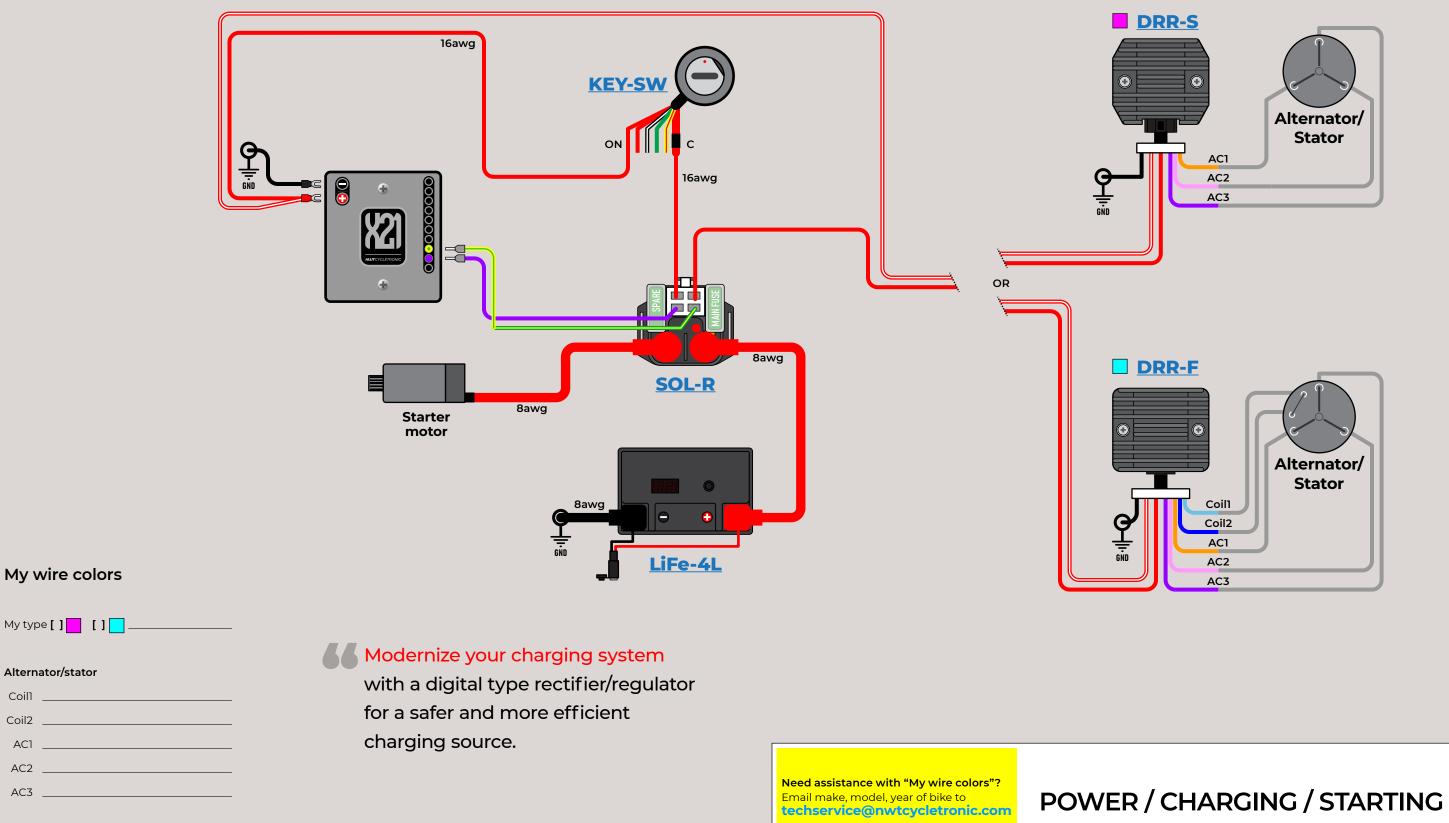
### SECTION B



## SECTION C

**REMOVE FUSE** from fuse holder before starting. DO NOT install fuse until instructed.

Use recommended wire gauge size. **DO NOT over torque**/tighten screw terminals.





### SECTION D

Tb

Та

e(cdi) GND

Та

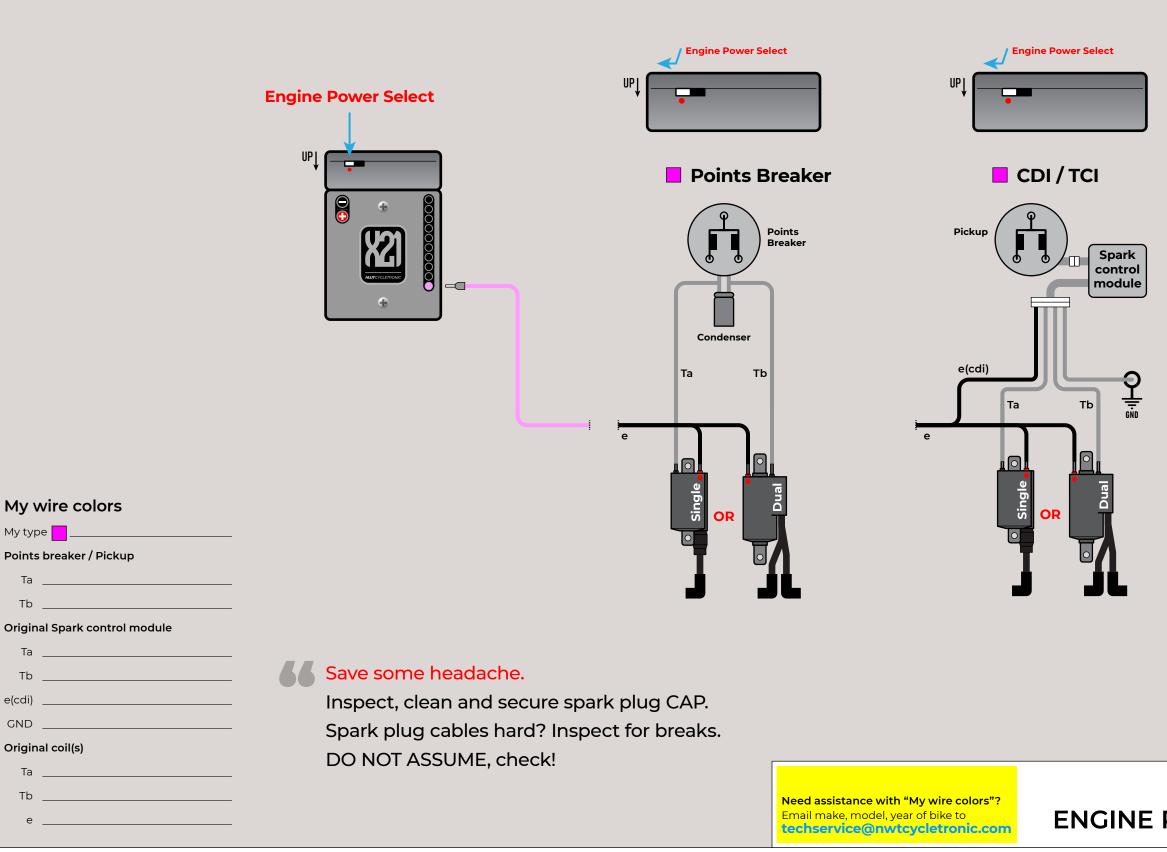
Τb

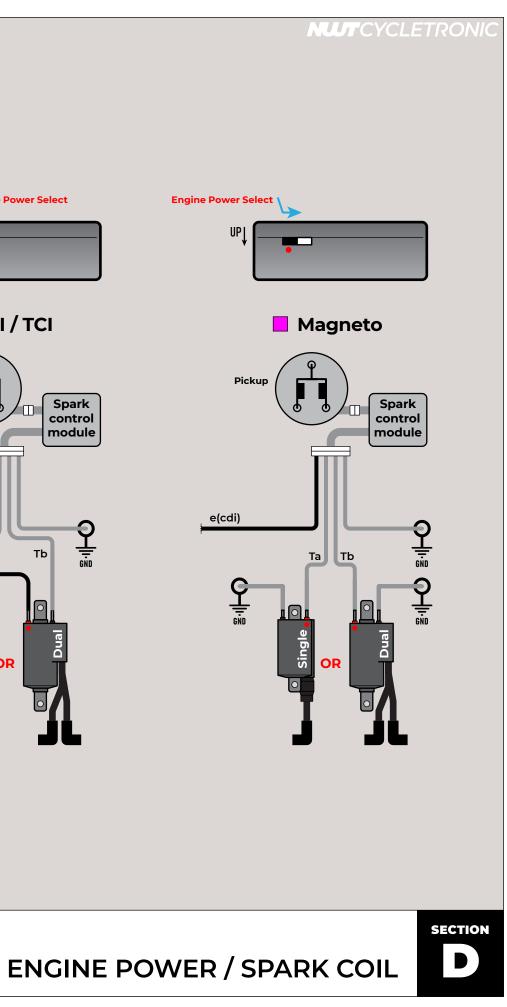
е

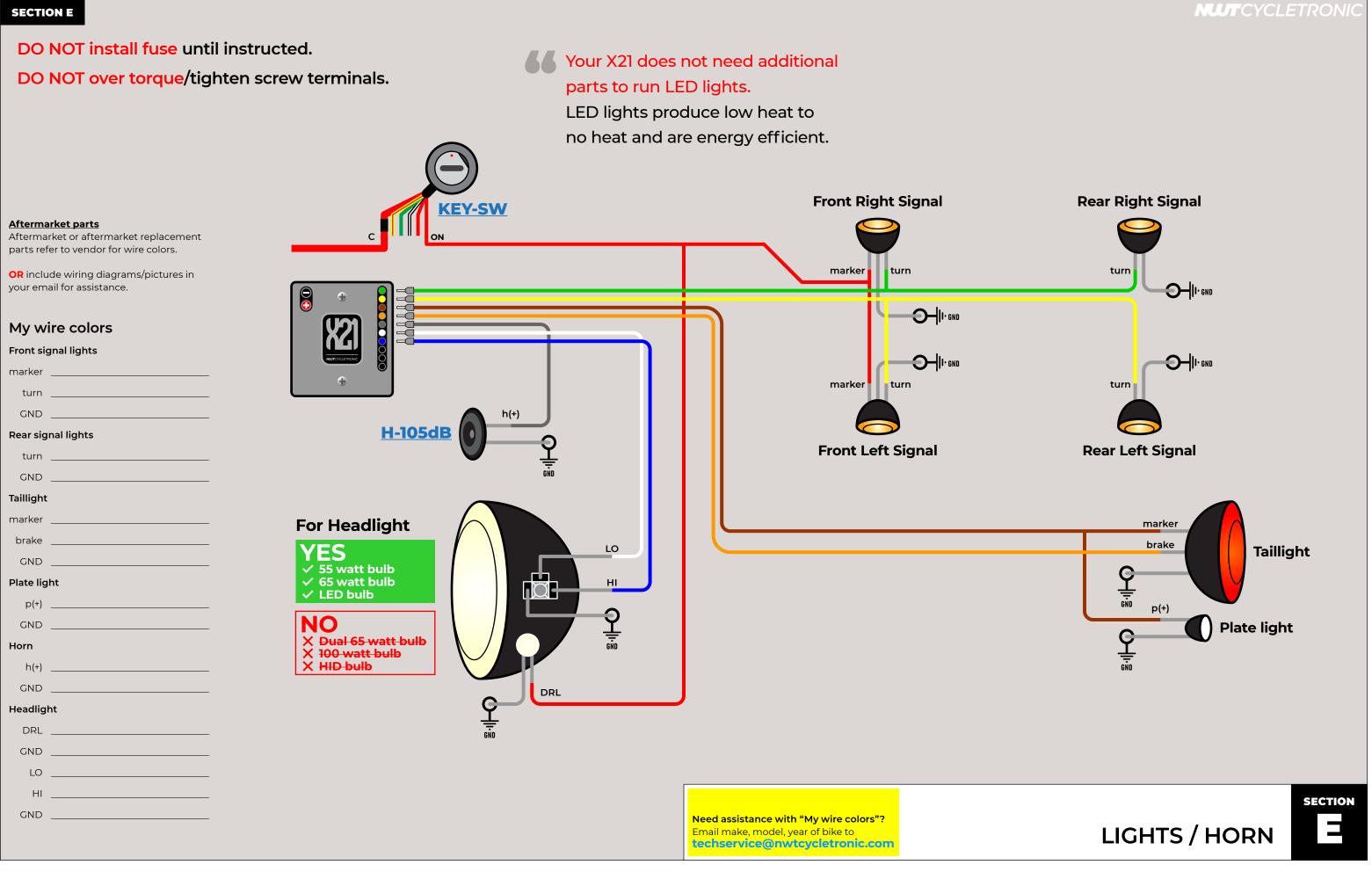
DO NOT install fuse until instructed.

Pay attention to "Engine Power Select" switch position.

**DO NOT** over torque/tighten screw terminals.



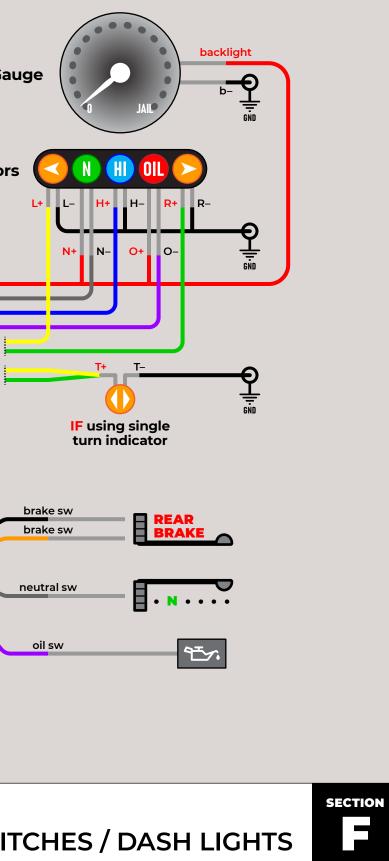


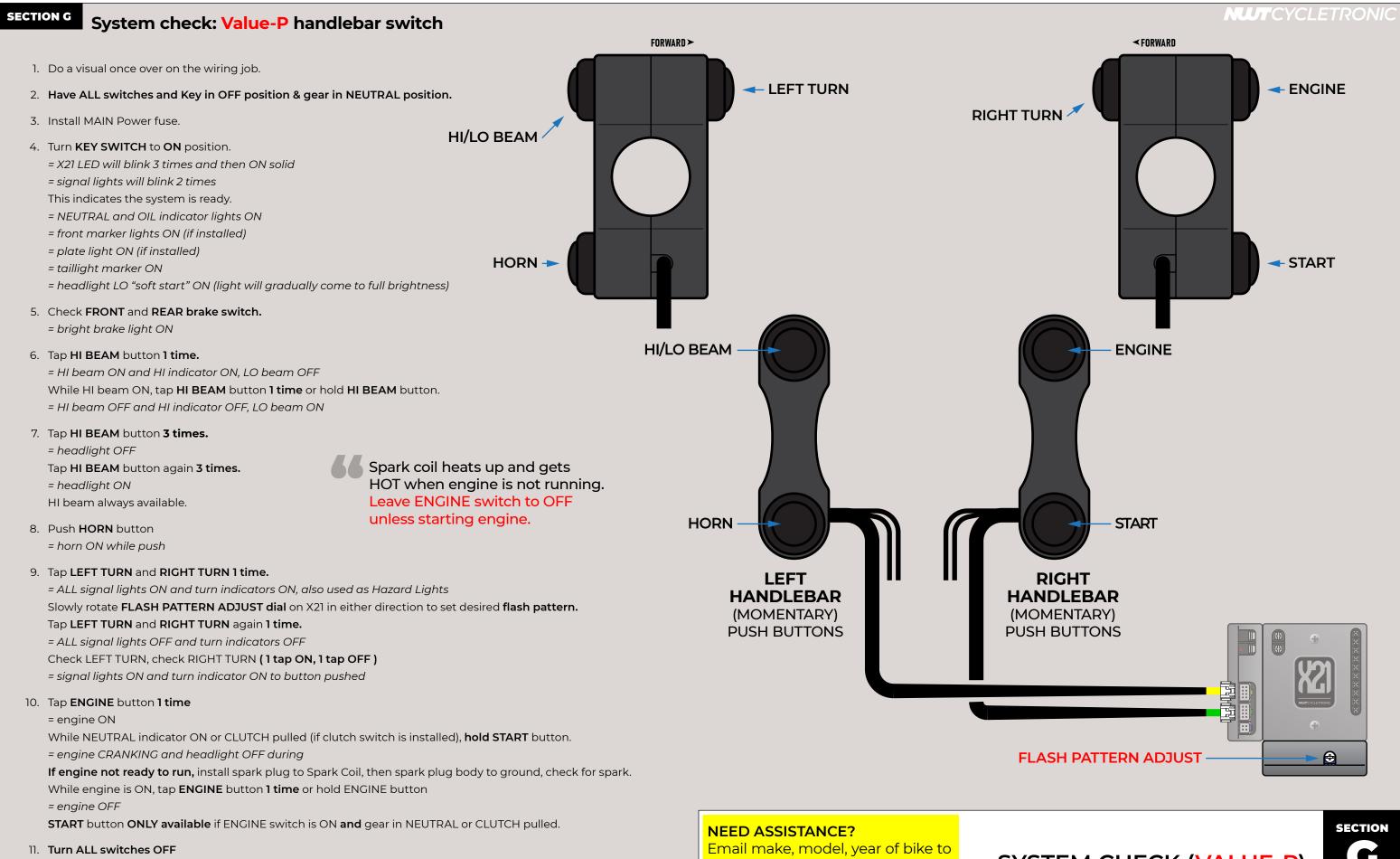


## DO NOT install fuse until instructed.

Pay attention to cable slack for steering head movement.

Aftermarket parts Aftermarket or aftermarket replacement parts refer to vendor for wire colors. OR include wiring diagrams/pictures in your email for assistance.	<b>Turn steering head</b> to the RIGHT while routing dash and handlebar cables.	Ga
My wire colors Gauge backlight	This will ensure that you have the correct cable slack. The red "backlight" wire can also be used for power of gauges as well.	Dash Indicator
b(-) Left indicator L(+)		
L(-)	(1.25m cable)	
Neutral indicator N(+)	(0.75m cable)	
N(-)		
HI indicator H(+) H(-)		
Oil indicator		
O(+)		
O(-)		
Right indicator	Throttle assembly	
R(+)		
R(-)		
Turn indicator		
T(+)	Clutch switch wires        Front brake         (connect together if NO switch)       switch wires	
Т(–)		
Rear brake switch		
brake sw		
brake sw		
Neutral switch		
neutral sw		
Oil switch	Need assistance with "My wire col	
oil sw	Email make, model, year of bike to techservice@nwtcycletronic	swi <sup>°</sup>





techservice@nwtcycletronic.com

# SYSTEM CHECK (VALUE-P)



### SECTION H

# Finalizing system installation

- 1. Remove MAIN Power fuse.
- 2. Organize wires and cables.
- 3. Cut and shorten excess wiring.
- 4. Bundle, wrap or tape to protect wiring.
- 5. Turn steering head to the RIGHT while routing dash and handlebar cables.

This will ensure that you have the correct cable slack.

- 6. Secure bundle with zip ties.
- 7. Secure and tighten all nuts, bolts, screws, duct tape, twist wires and whatever the fuck else you used to mount your shit down.
- 8. Thoroughly inspect all connection points.
- 9. REPEAT Section G.



