

### **MULTIPLEX SWITCH**

### **FEATURES**

Complete electrical control hub

Atmel 8-bit AVR® RISC-based microcontroller

Trench type MOSFET powered

Solid State design for water-proof and shock-proof operation

4 layer PCB design utilizing SMD components

PTC smart fuse protection with auto reset

Optimized for LED lighting

On board "fly-back" protection circuit

AC/DC voltage runaway engine shutdown protection

Charging system monitoring with fault audible notification

Enhanced engine power protection with quick blow fuse

Complete color-coded wiring harness

No start ignition coil time-out power off

Starter motor safety lock out with anti-grind

Starter motor max crank time out

Brake light flash pre-warning (Selectable)

Automatic brake light HOLD (Selectable)

Onboard digital flasher (Selectable)

Intelligent directional switching signal light

Signal light time out auto off

DRL/Halo/Front Marker light output

with TYPE 2 switchback (Selectable)

"PARK" position light feature (Hazard lights)

Master light control

Sensor inputs

Auxiliary sensor input/output

Dash gauge outputs (Enhanced)

Soft start headlight ON

Engine run monitoring

Multi-use internally protected power output

Single wire PWM taillight output

Sequential/self flashing signal light capable

DIY fully configurable handlbar switch input

Handlebar switch size (DIY)

1 year replacement warranty & tech service

# ENGINE POWER FUSE 10A MAX 10A NUTCYCLETRONIC X3.M

HANDLEBAR

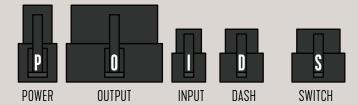
LIGHTING

75mm 2.93in (APPROX)

109mm / 4.65in (APPROX)

+ 28mm / 1.1in (APPROX) +





HARNESSES:



MAIN CHASSIS GROUND STRAPS

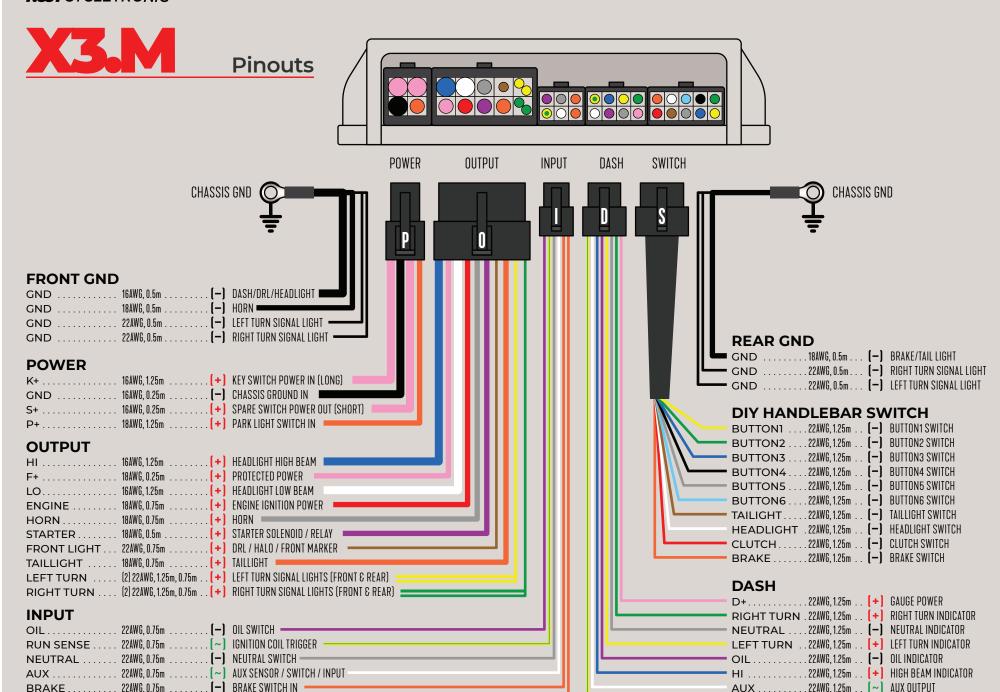
### **INCLUDES**

X3.M Control Hub

Plug in wiring harness (Power, Output, Input, Dash)

Plug&Go handlebar switch set herness (for DIY handlebar switches)

GND harness

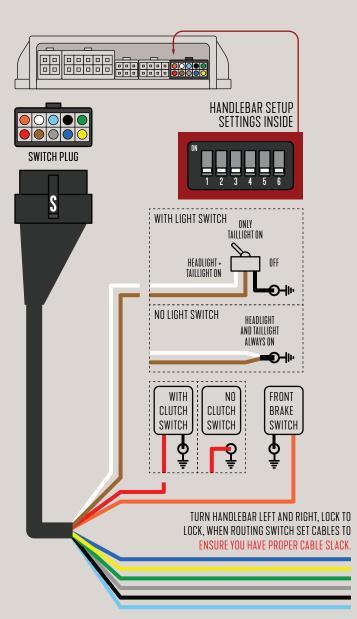


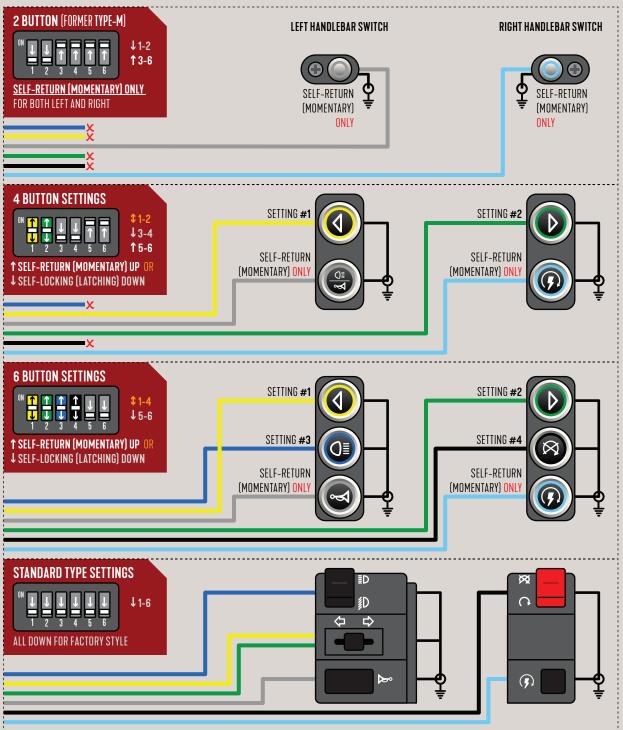
BRAKE 22AWG 0.75m (-) BRAKE SWITCH OUT

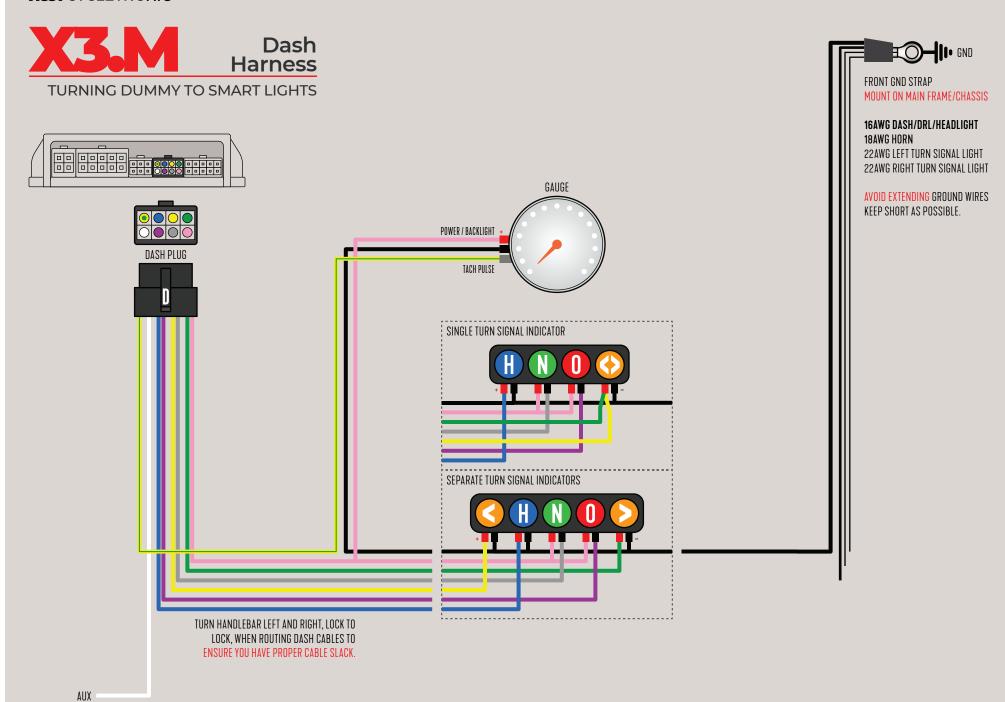


Switch Harness

**SELF-SUPPLIED SWITCH SET** 

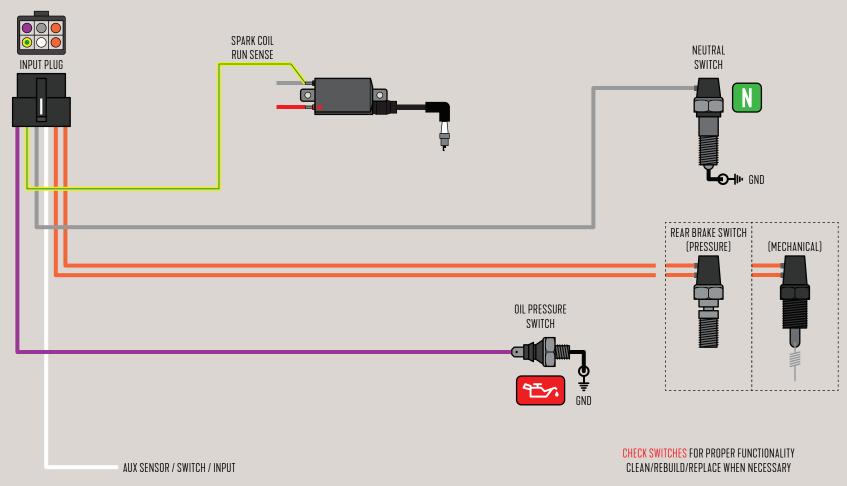


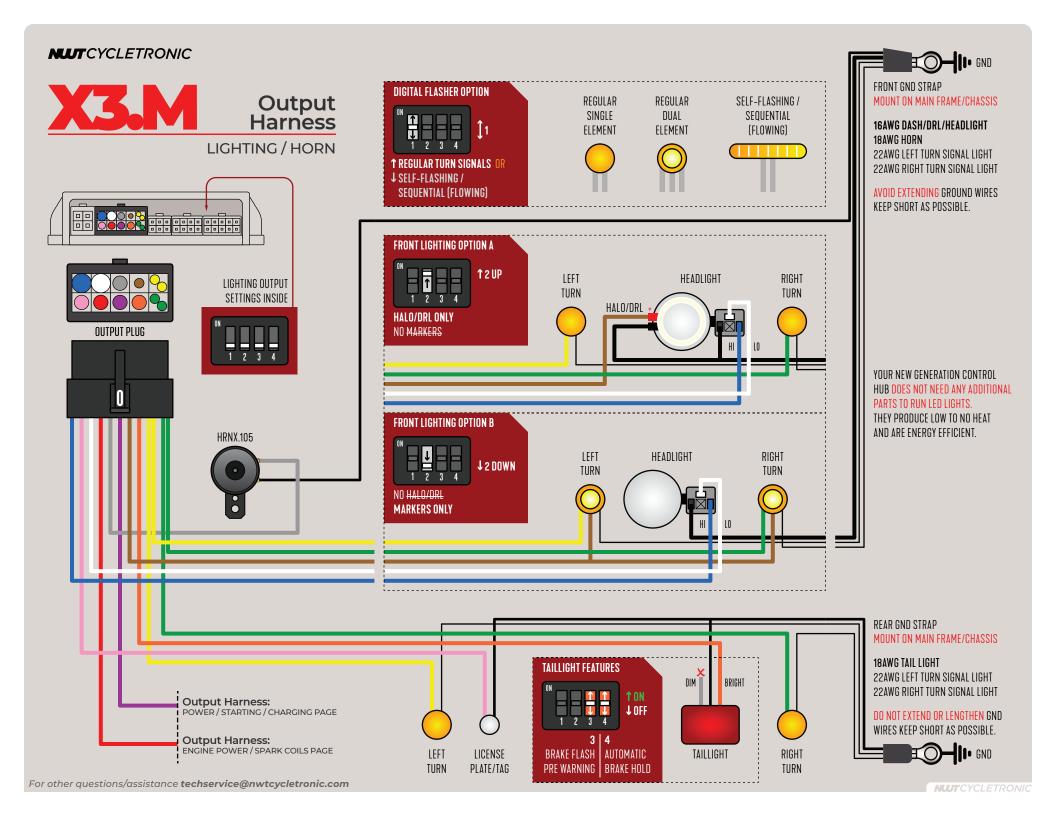








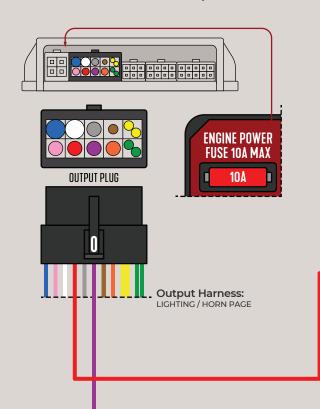


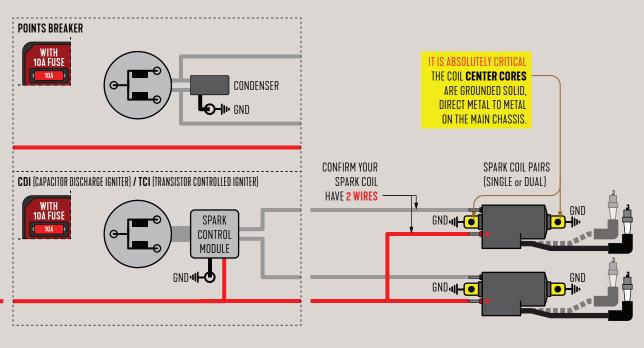




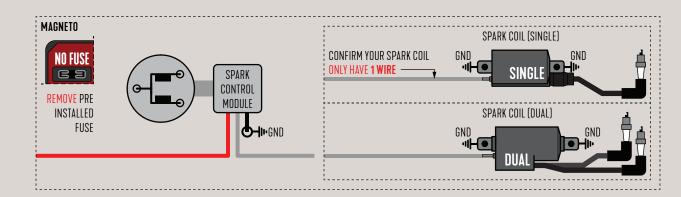
# **Output** Harness

# **ENGINE POWER / SPARK COILS**





DO NOT ASSUME, CHECK!
INSPECT, CLEAN AND SECURE SPARK PLUG CAP.
HARD SPARK PLUG CABLES? INSPECT FOR BREAKS.
EVEN BRAND NEW PARTS CAN BE DEFECTIVE.

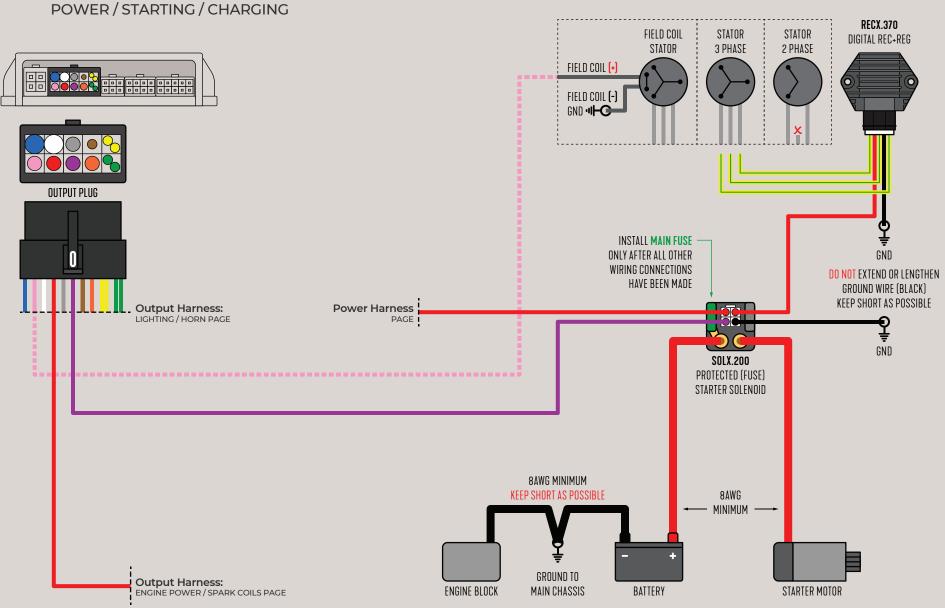


Output Harness: POWER/STARTING/CHARGING PAGE



# MODERNIZE YOUR CHARGING SYSTEM

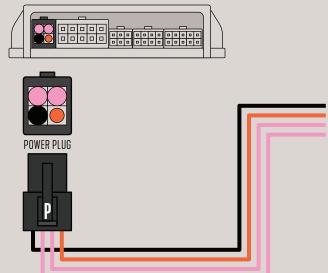
WITH A **DIGITAL TYPE** RECTIFIER+REGULATOR FOR SAFER AND MORE EFFICIENT CHARGING SOURCE

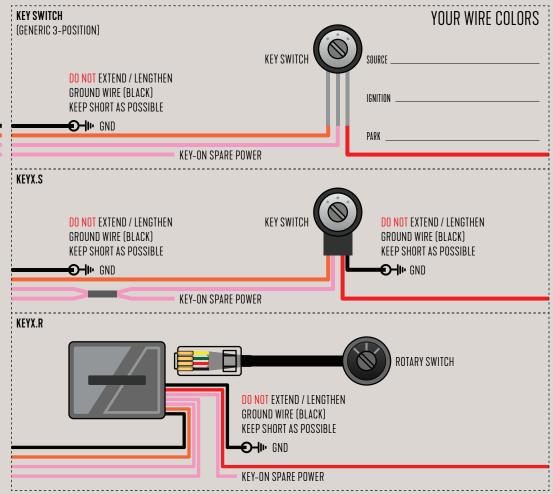




# **Power Harness**

**KEY SWITCH** 





INSTALL MAIN FUSE ONLY AFTER ALL OTHER WIRING CONNECTIONS HAVE BEEN MADE

