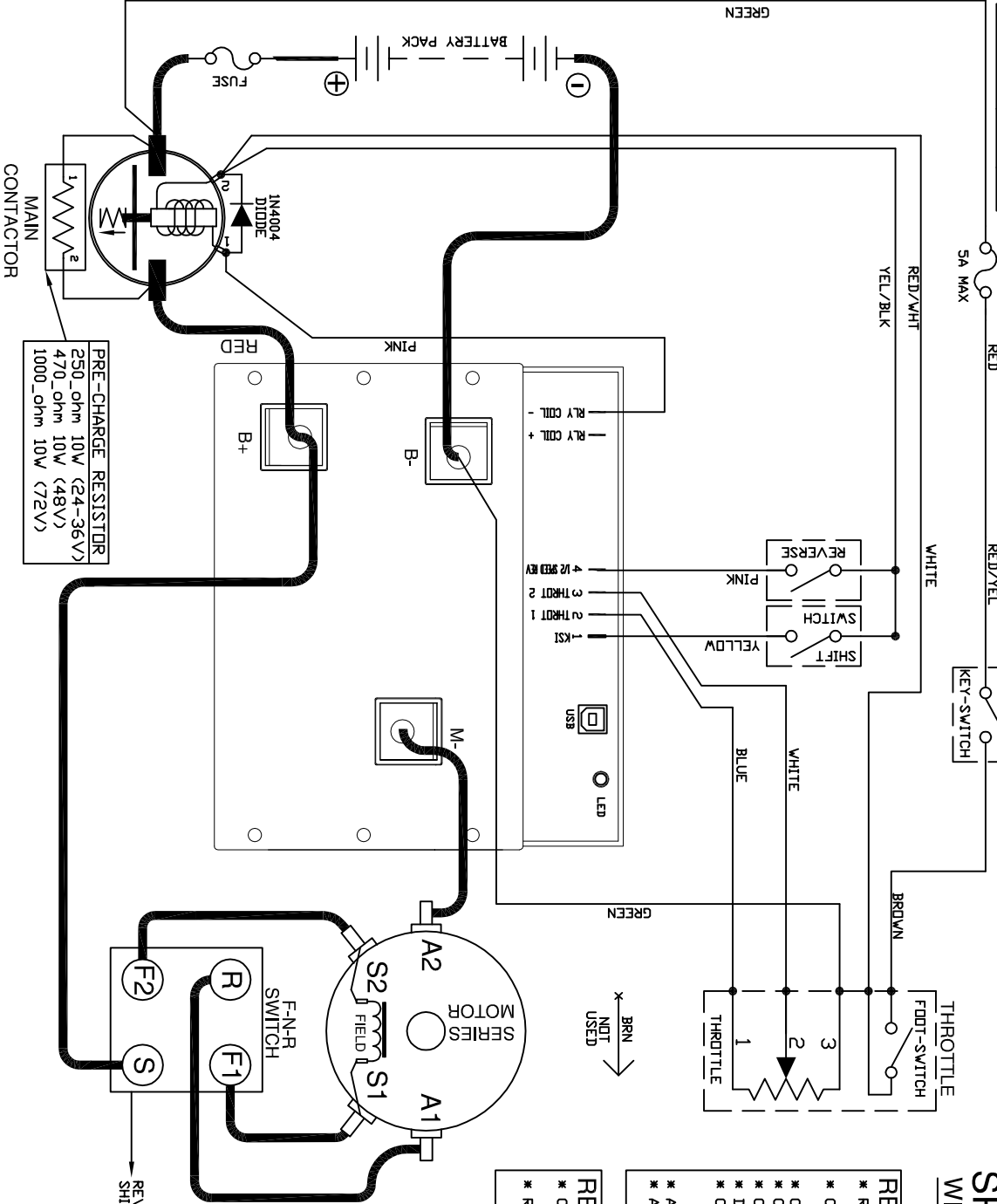


PART NO.	DOC110-008
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BATTERY VDC	12-48V	72V
FUSE VDC RATING	60V	100V



NOTES:

- * FUSES REQUIRED FOR ALL INSTALLATIONS
- * DIODE REQUIRED ACROSS COILS / RELAYS
- * PRE-CHARGE RESISTOR REQUIRED
- > ASSUMES FOOTSWITCH IS OPEN WHEN THROTTLE OFF
- > ALLTRAX RESERVES THE RIGHT TO CHANGE DOCUMENTATION WITHOUT NOTICE
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TAB	FUNCTION
1	KSI VOLTAGE
2	THROTTLE THROTTLE
3	THROTTLE THROTTLE
4	1/2 SPEED REVERSE
B+	BATTERY POSITIVE
B-	BATTERY NEGATIVE
M-	MOTOR MINUS

SPM - YAMAHA G8, 9, 14 & 16 WITH SERIES MOTOR - 3 WIRE THROTTLE

REPLACING STOCK CONTROLLER:

- * REMOVE BATTERIES AND CONTROLLER. CUT OFF WIRES FLUSH WITH FACEPLATE OF OLD CONTROLLER
- * CRIMP 3/16" RING TERM ON YEL/BLK WIRE. CONNECT TO SOLENOID WITH RED/WHI WIRE.
- * CRIMP 1/2" RING TERM ON GREEN WIRE. CONNECT TO B-
- * CUT OFF BROWN WIRE AND TAPE END (FOR HEATSHRINK)
- * CRIMP 1/4" FEMALE SPADE TO WIRES. CONNECT TO AXE AS SHOWN
- * DRILL NEW MOUNTING HOLES IF NECESSARY
- * CONNECT LARGE WIRES TO CONTROLLER AS FOLLOWS:
 - > G2 TO M- < B+ TO B+ < B- TO B-
 - > RECONNECT THROTTLE SENSOR PLUG AND PINK WIRE
- * ADD RESISTOR ACROSS SOLENOID (NOT INCLUDED)
- * ADD DIODE ACROSS SOLENOID COIL (NOT INCLUDED)

REPLACING AXE CONTROLLER

- * CRIMP 1/4" FEMALE SPADE TO BLUE WIRE. CONNECT TO PIN 1 (CADD EXTENSION IF NECESSARY)
- * REPLACE SPADE ON GREEN WIRE WITH 1/2" RING TERM AND MOVE TO B-

CONTACTOR RATING (Observe Coil Voltage)	
250amp	400amp
SPM/B 300	SPM/B 500
SPM/B 400	SPM/B 600

POWER WIRE GAUGE	
SPM/B 300	STOCK (6AWG)
SPM/B 400	4AWG
SPM/B 500	2AWG
SPM/B 600	2AWG-1/0AWG

DO NOT SCALE DRAWING

REVISIONS				DWG SCALE: 1:1	TITL
REV.	ECO.	DATE	APVD		
				DRAWN:RICHARD CSUK	11/22/10
				ENG'D:AMON CROCKETT	11/22/10
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ALLTRAX 1111 Cheney Creek Rd. Grants, Oregon OR 97527 PHONE:(541) 476-3565	
SPM - YAMAHA G8,G9,G14,G16	Wiring Diagram
DOC110-008	REV. A