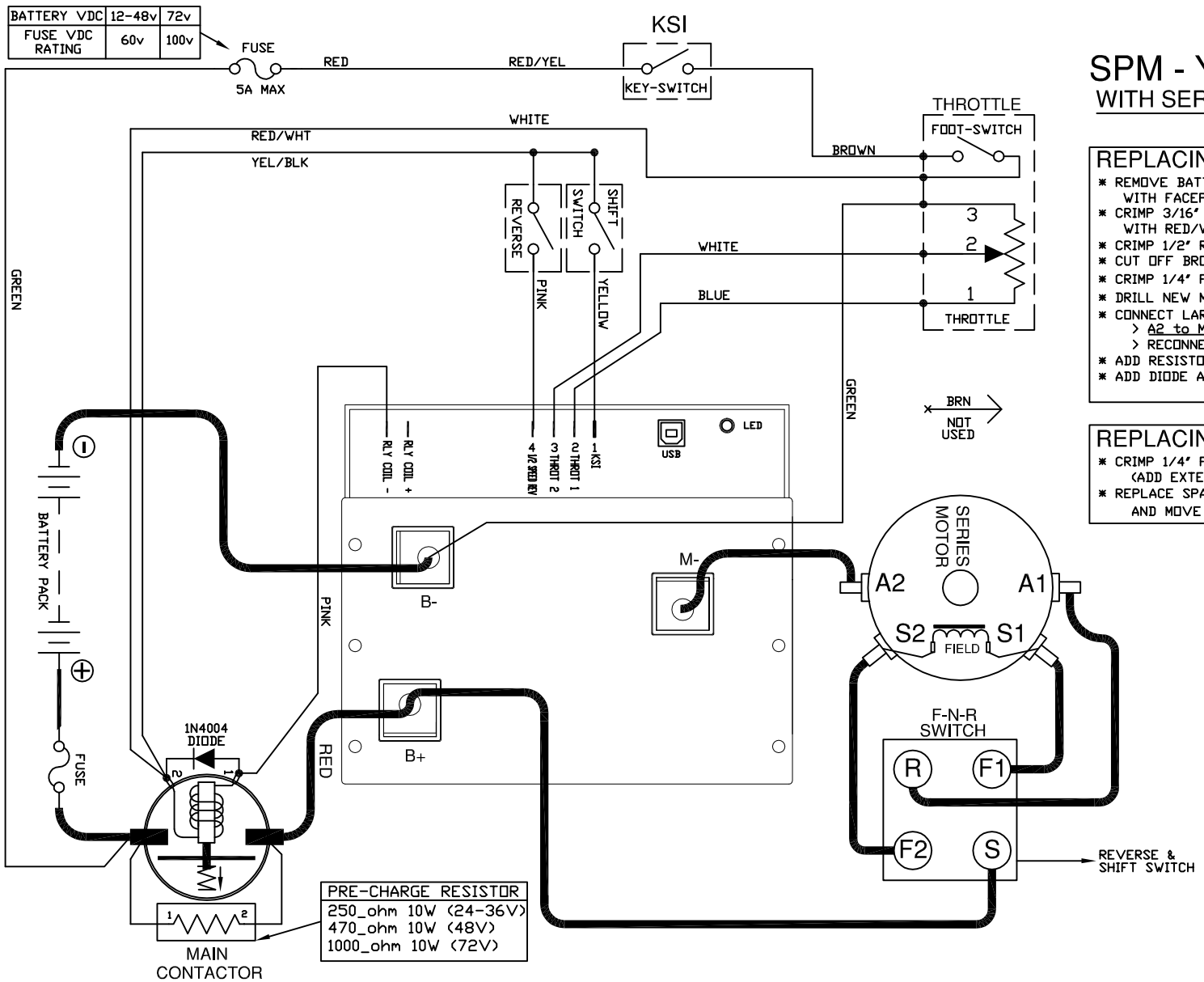
PART NO.	DOC110-008

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/WHT WIRE.
* CRIMP 1/2" RING TERM ON GREEN WIRE, CONNECT TO B-
* CUT OFF BROWN WIRE AND TAPE END (OR HEATSRINK)
* 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:
  - > A2 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 (ADD EXTENSTION 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 400	SPM/B 500 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

NOTES:

* FUSES REQUIRED FOR ALL INSTALLATIONS
* DIODE REQUIRED ACROSS COILS / RELAYS
* PRE-CHARGE RESISTOR REQUIRED
* > ASSUMES FOOTSWITCH IS OPEN WHEN THROTTLE OFF
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TAB	FUNCTION
1	KSI VOLTAGE
2	THROTTLE
3	THROTTLE
4	1/2 SPEED REVERSE
B+	BATTERY POSITIVE
B-	BATTERY NEGATIVE
M-	MOTOR MINUS

DO NOT SCALE DRAWING

REVISIONS			
REV.	ECO.	DATE	APVD

DWG SCALE: 1:1

DRAWN RICHARD CSUK 11/22/10

ENGR DAMON CROCKET 11/22/10

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TITLE
SPM – YAMAHA G8,G9,G14,G16
Wiring Diagram

SIZE	DOCUMENT NO.	REV.
A	S DOC110-008	A

FILE: 110-008-A_DWG-SPM-YAMAHA-G8-G9-G14-G16-WIRE-DIA.DWG SHEET 1 OF 1

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