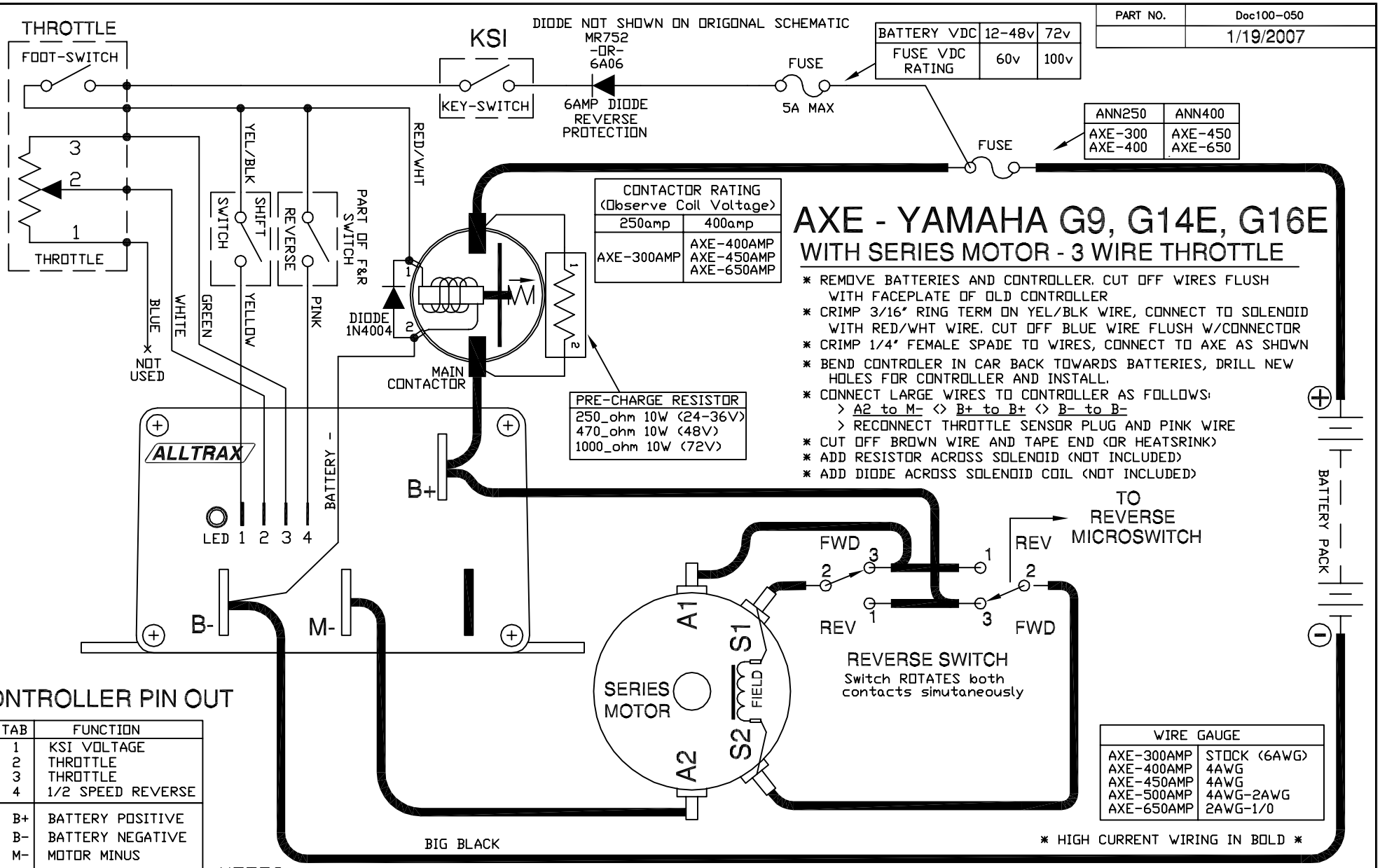

PART NO.	Doc100-050
	1/19/2007

BATTERY VDC	12-48v	72v
FUSE VDC RATING	60v	100v

ANN250	ANN400
AXE-300 AXE-400	AXE-450 AXE-650

CONTACTOR RATING (Observe Coil Voltage)	
250amp	400amp
AXE-300AMP	AXE-400AMP AXE-450AMP AXE-650AMP

PRE-CHARGE RESISTOR
250_ohm 10W (24-36V)
470_ohm 10W (48V)
1000_ohm 10W (72V)

AXE - YAMAHA G9, G14E, G16E

WITH SERIES MOTOR - 3 WIRE THROTTLE

* 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. CUT OFF BLUE WIRE FLUSH W/CONNECTOR
* CRIMP 1/4" FEMALE SPADE TO WIRES, CONNECT TO AXE AS SHOWN
* BEND CONTROLER IN CAR BACK TOWARDS BATTERIES, DRILL NEW HOLES FOR CONTROLLER AND INSTALL.
* CONNECT LARGE WIRES TO CONTROLLER AS FOLLOWS:
  - > A2 to M- <> B+ to B+ <> B- to B-
  - > RECONNECT THROTTLE SENSOR PLUG AND PINK WIRE
* CUT OFF BROWN WIRE AND TAPE END (OR HEATSRINK)
* ADD RESISTOR ACROSS SOLENOID (NOT INCLUDED)
* ADD DIODE ACROSS SOLENOID COIL (NOT INCLUDED)

CONTROLLER PIN OUT

TAB	FUNCTION
1	KSI VOLTAGE
2	THROTTLE
3	THROTTLE
4	1/2 SPEED REVERSE
B+	BATTERY POSITIVE
B-	BATTERY NEGATIVE
M-	MOTOR MINUS

WIRE GAUGE	
AXE-300AMP	STOCK (6AWG)
AXE-400AMP	4AWG
AXE-450AMP	4AWG
AXE-500AMP	4AWG-2AWG
AXE-650AMP	2AWG-1/0

* HIGH CURRENT WIRING IN BOLD *

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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- > SEE OPERATORS MANUAL FOR MORE INFORMATION

OLD FILE: AXE_WIRES_1
DEC, 16, 2005, REV 4

REVISIONS			
REV.	ECO.	DATE	APVD
A	010407	010407	TT

DWG SCALE: NTS

DRAWN	T.Thorne	111206
ENGR	D.Crokett	111206

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ALLTRAX
1111 Cheney Creek Rd.
Grants Pass, OR 97527
PHONE:(541) 476-3565

TITLE
AXE-Yamaha G9, G14E, G16E
Wiring Diagram

SIZE	DOCUMENT NO.	REV.
A	S Doc100-050	A

FILE: _DWG-AXE-YAM-G9-14-16-wire-dia.dwg | SHEET 1of1

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