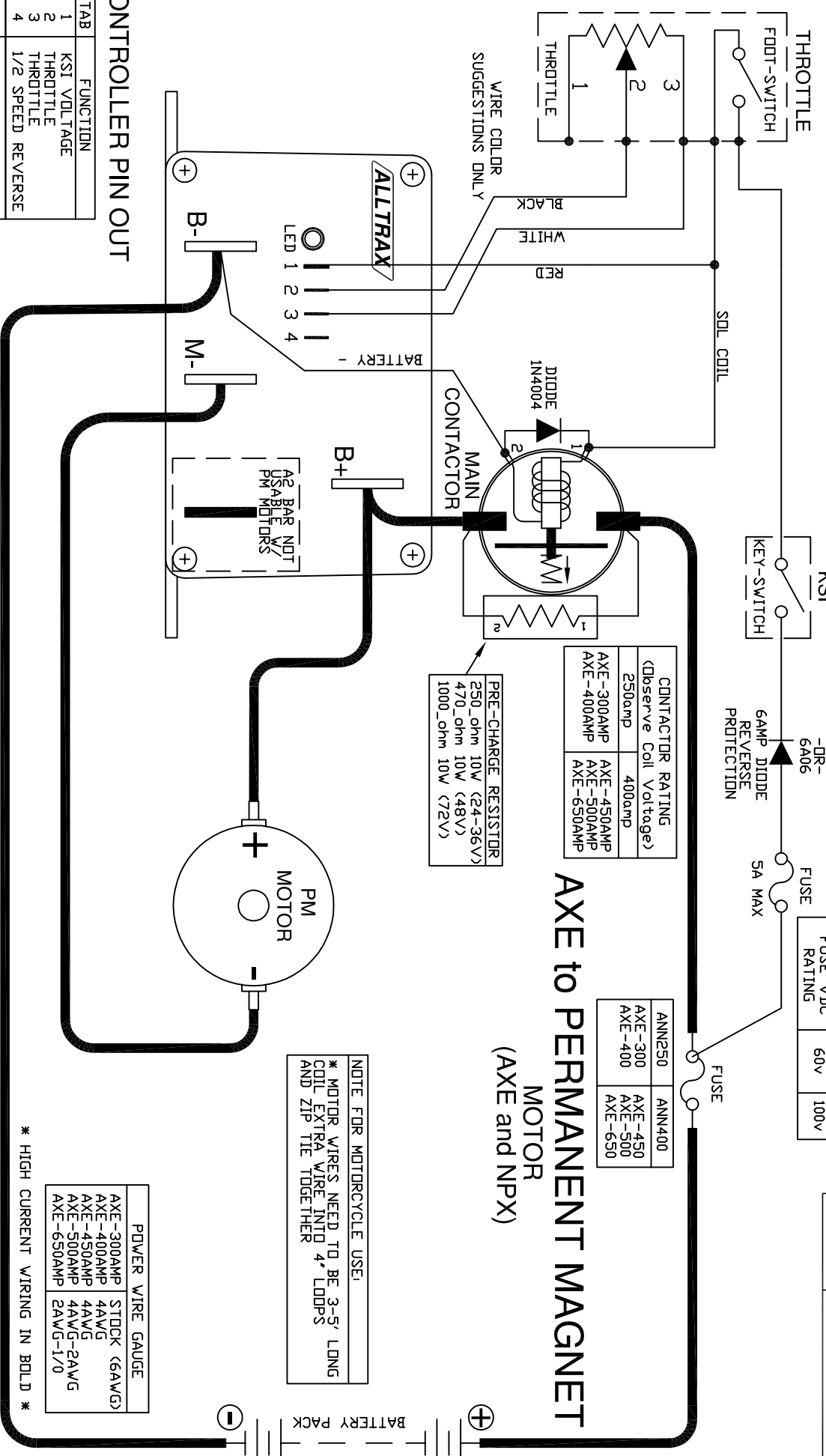


BATTERY VDC	12-48V	72V
FUSE VDC RATING	60V	100V



AXE to PERMANENT MAGNET MOTOR (AXE and NPX)

CONTACTOR RATING (Observe Coil Voltage)	
250amp	400amp
AXE-300AMP	AXE-450AMP
AXE-400AMP	AXE-500AMP
	AXE-650AMP

ANN250	ANN400
AXE-300	AXE-450
AXE-400	AXE-500
	AXE-650

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

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

NOTE FOR MOTORCYCLE USE:
* MOTOR WIRES NEED TO BE 3-5' LONG
COIL EXTRA WIRE INTO 4' LOOPS
AND ZIP TIE TOGETHER

* HIGH CURRENT WIRING IN BOLD *

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

CONTROLLER PIN OUT

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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- > SEE OPERATORS MANUAL FOR MORE INFORMATION

<p>REVISIONS</p> <table border="1"> <tr> <th>REV.</th> <th>ECO.</th> <th>DATE</th> <th>APVD</th> </tr> <tr> <td>A</td> <td>102208</td> <td>123008</td> <td>RC</td> </tr> </table>		REV.	ECO.	DATE	APVD	A	102208	123008	RC	<p>DWG SCALE: NTS</p> <table border="1"> <tr> <th>DRAWN</th> <th>T.Thorne</th> <th>111706</th> </tr> <tr> <th>ENGR</th> <th>D.Crockett</th> <th>111706</th> </tr> </table>		DRAWN	T.Thorne	111706	ENGR	D.Crockett	111706
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<p>TITLE AXE-Permanent Magnet w/o Reverse Wiring Diagram</p>		<p>1111 Cheney Creek Rd. Grants Pass, OR 97527 PHONE:(541) 476-3565</p>															
<p>SIZE DOCUMENT NO. A S Doc100-081</p>		<p>REV. SHEET A 101</p>															