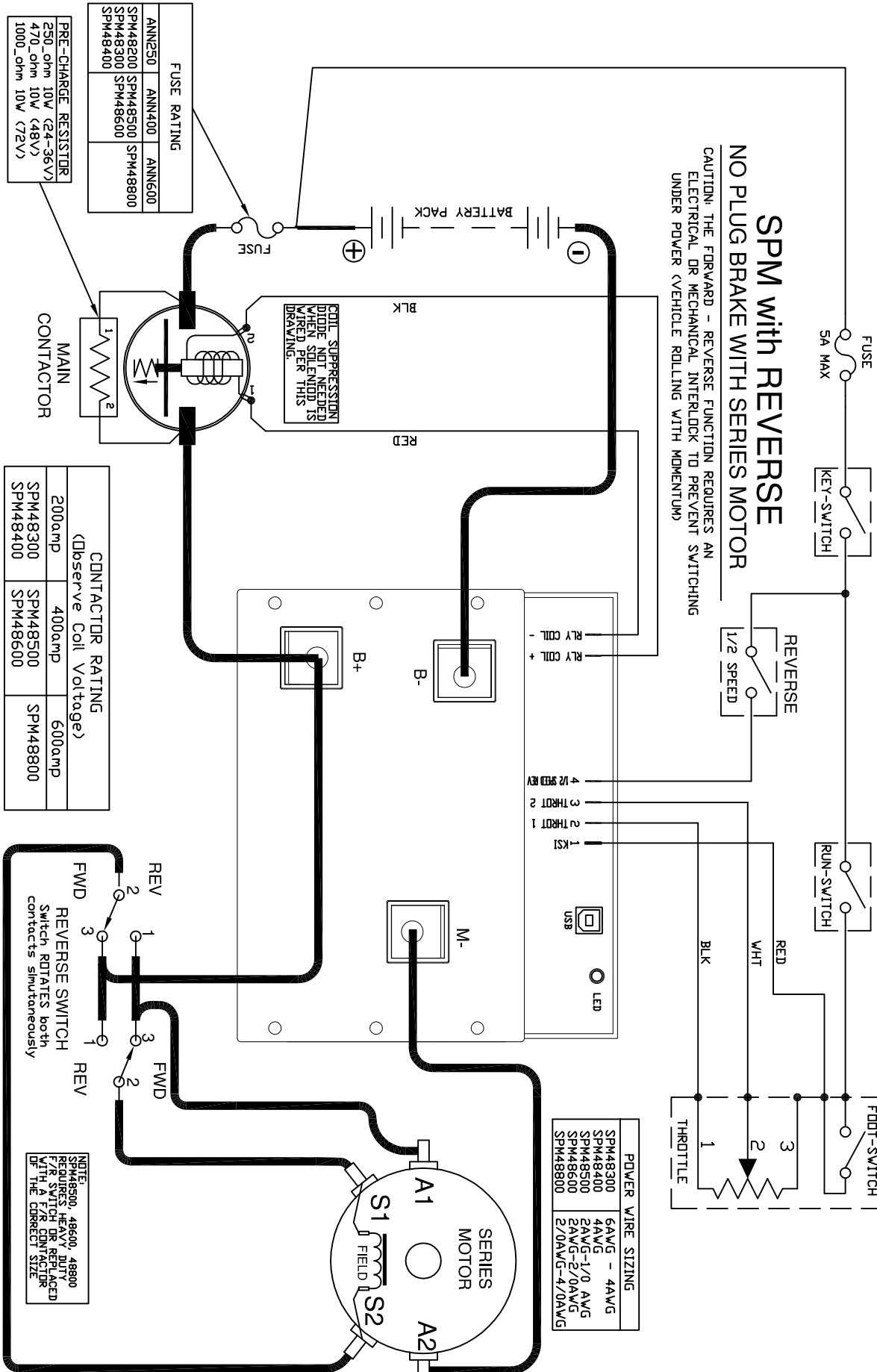


BATTERY VDC	12-48V 72V
FUSE VDC RATING	60V 100V

SPM with REVERSE

CAUTION: THE FORWARD - REVERSE FUNCTION REQUIRES AN ELECTRICAL OR MECHANICAL INTERLOCK TO PREVENT SWITCHING UNDER POWER (VEHICLE ROLLING WITH MOMENTUM)



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

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

FUSE RATING	ANN250	ANN400	ANN600
	SPM48200	SPM48500	SPM48800
	SPM48300	SPM48600	
	SPM48400		

CONTACTOR RATING	(Observe Coil Voltage)
	200amp
	400amp
	600amp
	SPM48300
	SPM48500
	SPM48600
	SPM48800

POWER WIRE SIZING	SPM48300	6AWG - 4AWG
	SPM48400	4AWG
	SPM48500	2AWG-1/0 AWG
	SPM48600	2AWG-2/0AWG
	SPM48800	2/0AWG-4/0AWG

NOTE: SPM48500, 48600, 48800 REQUIRES HEAVY DUTY F/R SWITCH OR REPLACED WITH A F&R CONTACTOR OF THE CORRECT SIZE

- NOTES:
- * FUSES REQUIRED FOR ALL INSTALLATIONS
 - * DIODE REQUIRED ACROSS COILS / RELAYS
 - * PRE-CHARGE RESISTOR REQUIRED
 - > ASSUMES PHOTO SWITCH IS OPEN WHEN THROTTLE OFF WITHOUT NOTICE
 - > ALLTRAX RESERVES THE RIGHT TO CHANGE DOCUMENTATION
 - > ALLTRAX MAKES NO WARRANTY AS TO THE ACCURACY, SUFFICIENCY, OR SUITABILITY OF ANY TECHNICAL OR OTHER INFORMATION PROVIDED
 - > SEE OPERATORS MANUAL FOR MORE INFORMATION

REV.	ECO.	DATE	APVD

DO NOT SCALE DRAWING

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

TITLE SPM - GENERIC W/ REVERSE Wiring Diagram

SIZE DOCUMENT NO. A S DOC110-004

REV. B

FILE:DOC110-004-B-UMC-SPM-GENERIC-REVERSE-WIRE-UM SHEET 1 OF 1