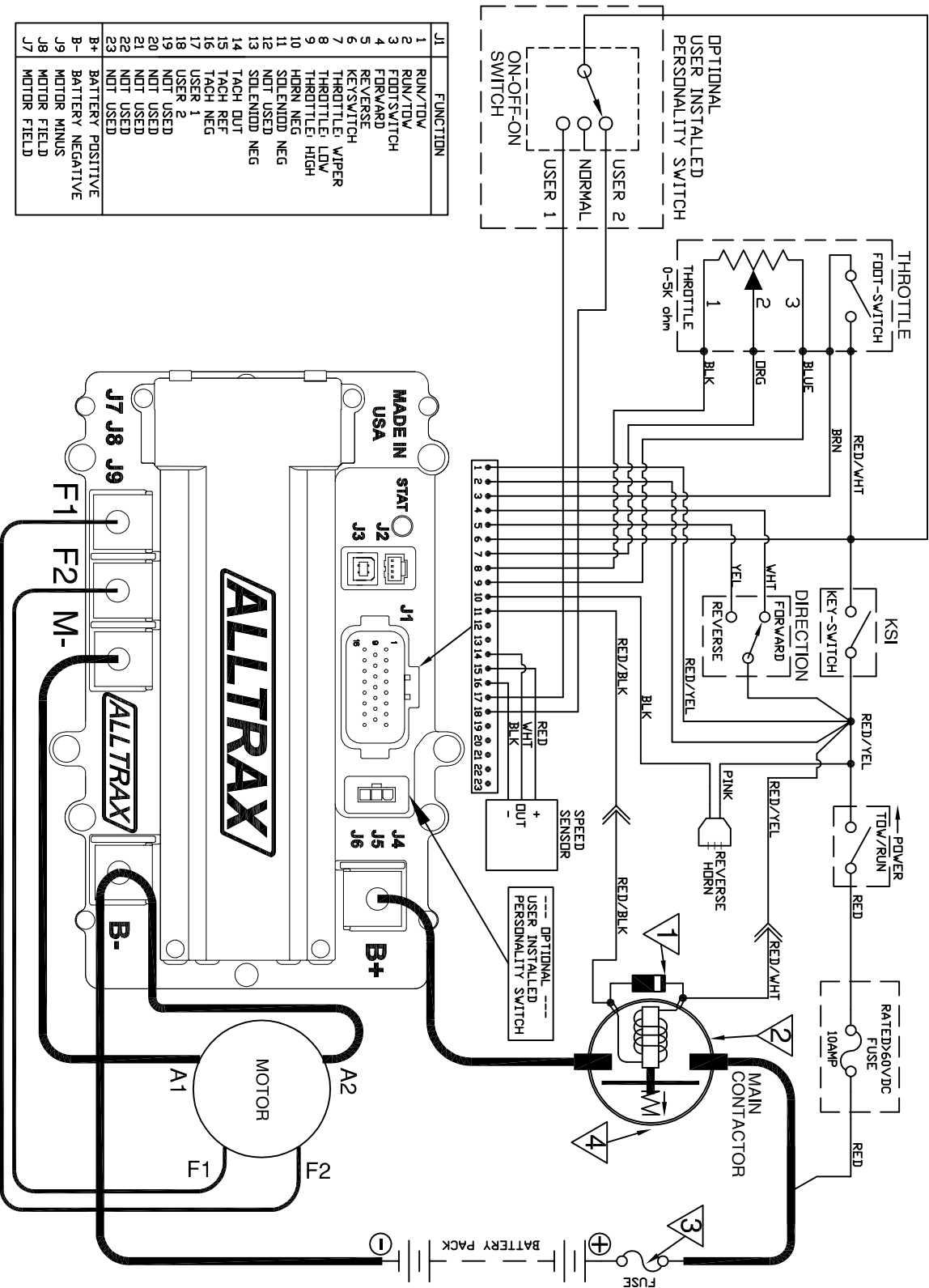


XCT/NCT to YAMAHA G22 W/ MORIC CONTROLLERS FOR SHUNT (SEPERATELY EXCITED) WOUND MOTORS

PART NO. DOC110-047-A



J#	FUNCTION
1	RUN/TOW
2	FOOT SWITCH
3	FORWARD
4	REVERSE
5	KEY SWITCH
6	THROTTLE VIPER
7	THROTTLE LOW
8	THROTTLE HIGH
9	HORN NEG
10	SOLENOID NEG
11	NOT USED
12	SOLENOID NEG
13	TACH OUT
14	TACH REF
15	TACH NEG
16	USER 1
17	USER 2
18	NOT USED
19	NOT USED
20	NOT USED
21	NOT USED
22	NOT USED
23	NOT USED
B+	BATTERY POSITIVE
B-	BATTERY NEGATIVE
J9	MOTOR FIELD
J8	MOTOR FIELD
J7	MOTOR FIELD

NOTES:

- * FUSES REQUIRED FOR ALL INSTALLATIONS
- * DIODE REQUIRED ACROSS COILS / RELAYS
- * TOW/RUN SWITCH PREVENTS REGEN WHILE TOWING
- > ASSUMES FOOT SWITCH IS OPEN WHEN THROTTLE OFF
- > ALLTRAX RESERVE THE RIGHT TO CHANGE DOCUMENTATION WITHOUT NOTICE
- > ALLTRAX MAKES NO WARRANTY AS TO THE ACCURACY, SUFFICIENCY OR SUITABILITY OF ANY TECHNICAL OR OTHER INFORMATION PROVIDED
- > SEE OPERATORS MANUAL FOR MORE INFORMATION

THIS VEHICLE IS A HIGH SIDE AND B-.

POWER WIRE RATING	CONTROLLER RATING
6AWG-4AWG	300A
4AWG-2AWG	400A
2AWG-1/0AWG	500A

1	DIODE RATING	1N4001 1N5408 MR754	CONTACTOR RATING	DEM 200A DEM 200A 400A
2	CONTACTOR RATING	DEM 200A 300A 400A	CONTACTOR RATING	300A DR LESS 300A DR 400A TD 500A
3	FUSE	ANN250 ANN400	CONTROLLER RATING	400A DR LESS 450A DR MORE
4	PRE-CHARGE RESISTOR	NEEDED ON XCT UNITS		

DO NOT SCALE DRAWING

REVISIONS		DWG SCALE: NTS	
REV.	ECO.	DATE	APVD
E	080117	080117	W/H

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

XCT to YAMAHA G22
Wiring Diagram

FILE:	DOC110-047-A	SHEET	1 of 1
SIZE	A	REV.	A