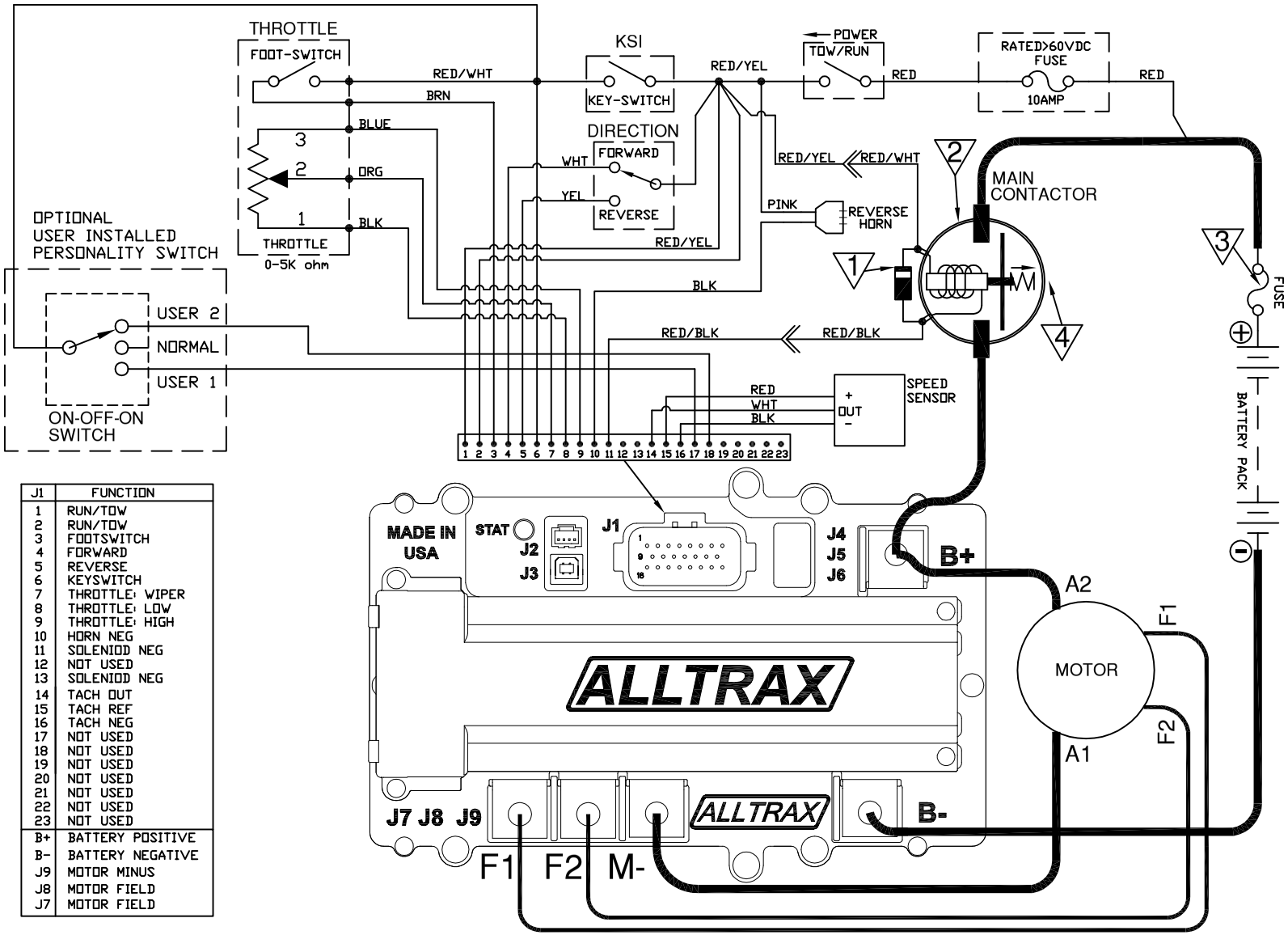
PART NO.	DOC110-020

XCT to YAMAHA G19 & G22 W/ GE CONTROLLERS

FOR SHUNT (SEPERATELY EXCITED) WOUND MOTORS



J1	FUNCTION
1	RUN/TOW
2	RUN/TOW
3	FOOTSWITCH
4	FORWARD
5	REVERSE
6	KEYSWITCH
7	THROTTLE: WIPER
8	THROTTLE: LOW
9	THROTTLE: HIGH
10	HORN NEG
11	SOLENIOD NEG
12	NOT USED
13	SOLENIOD NEG
14	TACH OUT
15	TACH REF
16	TACH NEG
17	NOT USED
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 MINUS
J8	MOTOR FIELD
J7	MOTOR FIELD

1

DIODE RATING	CONTACTOR RATING
1N4001	OEM
1N5408	200A
MR754	400A

2

CONTACTOR RATING	CONTROLLER RATING
OEM	300A
200A	300A OR 400A
400A	400A TO 500A

3

FUSE	CONTROLLER RATING
ANN250	400A OR LESS
ANN400	450A OR MORE

4 PRE-CHARGE RESISTOR NOT NEEDED ON XCT UNITS

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

NOTES:

* FUSES REQUIRED FOR ALL INSTALLATIONS
* DIODE REQUIRED ACROSS COILS / RELAYS
* TOW/RUN SWITCH PREVENTS REGEN WHILE TOWING
> ASSUMES FOOTSWITCH IS OPEN WHEN THROTTLE OFF
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DO NOT SCALE DRAWING

REVISIONS			
REV.	ECO.	DATE	APVD
A	120814	021615	RC
B	041315	041315	RC
C	050215	050215	RC

DWG SCALE: NTS

DRAWN	R CSUK	111114
ENGR	D.Crockett	111014

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

TITLE
XCT to YAMAHA G19/22
Wiring Diagram

SIZE	DOCUMENT NO.	REV.
A	S DOC110-020	C

FILE:_DWG-XCT-YAMAHA-G19-22-WIRE-DIA.DWG SHEET 1of1

Title-Block-Alltrax-A