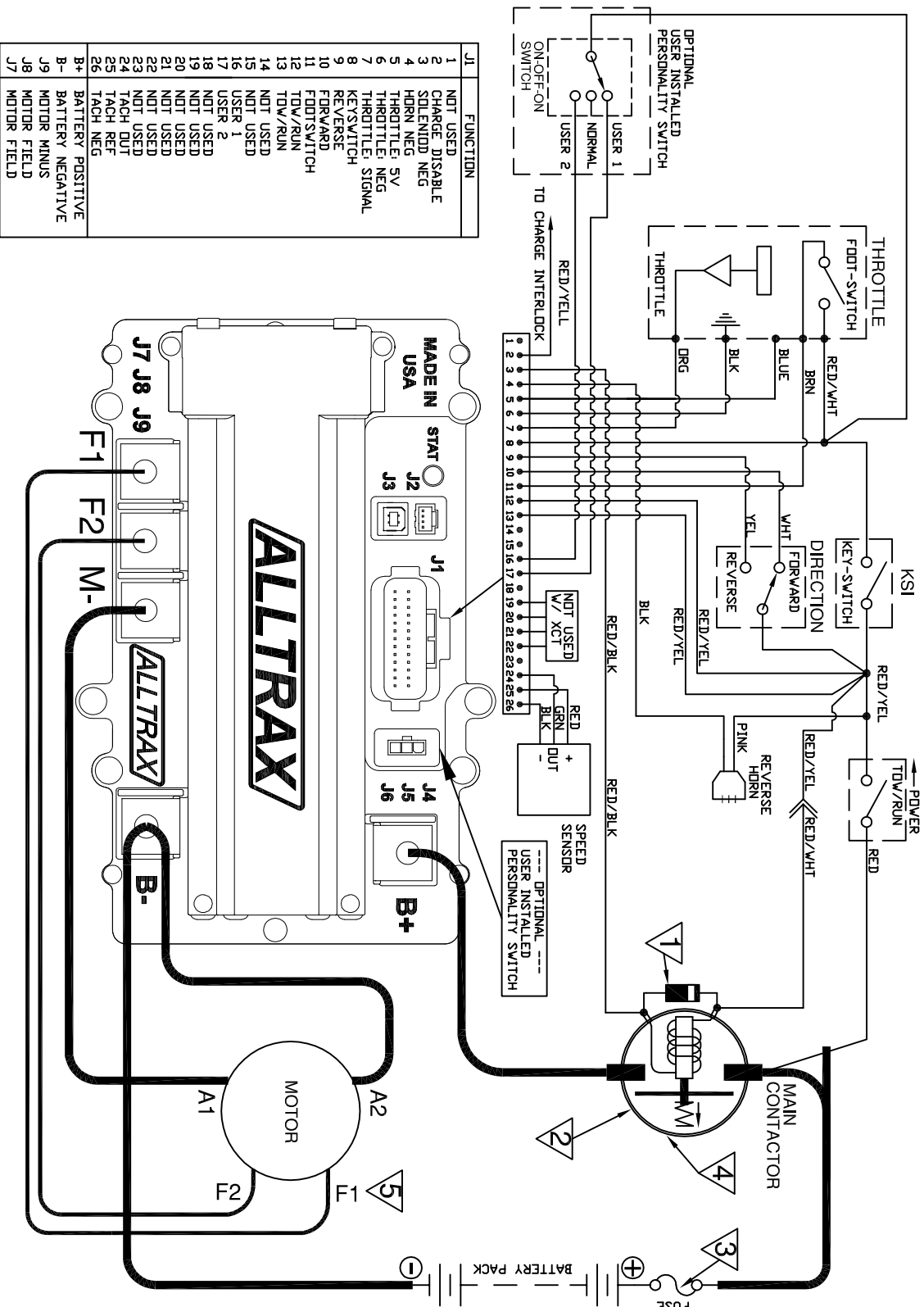


XCT/NCT to YAMAHA YDRE FOR SHUNT (SEPERATELY EXCITED) WOUND MOTORS



J1	FUNCTION
1	NOT USED
2	CHARGE DISABLE
3	SOLENOID NEG
4	HORN NEG
5	THROTTLE SV
6	THROTTLE NEG
7	THROTTLE SIGNAL
8	REVERSE
9	KEYSWITCH
10	FORWARD
11	FOOTSWITCH
12	TOW/RUN
13	TOW/RUN
14	NOT USED
15	NOT USED
16	USER 1
17	USER 2
18	NOT USED
19	NOT USED
20	NOT USED
21	NOT USED
22	NOT USED
23	NOT USED
24	TACH OUT
25	TACH REF
26	TACH NEG
B+	BATTERY POSITIVE
B-	BATTERY NEGATIVE
J9	MOTOR MINUS
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 FOOTSWITCH IS OPEN WHEN THROTTLE OFF
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THIS VEHICLE IS A HIGH SIDE DRIVE. OBSERVE POLARITY OF B+ AND B-

PART NO.	DOC110-021
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1	DIODE RATING	IN4001 1N5408 MR754	CONTACTOR RATING	DEM 200A 400A
2	CONTACTOR RATING	DEM 200A 400A	CONTROLLER RATING	300A DR 300A TD 400A 500A
3	FUSE	ANN250 ANN400	CONTROLLER RATING	400A DR LESS 450A DR MORE
4	PRE-CHARGE RESISTOR NOT NEEDED ON XCT UNITS			

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

DO NOT SCALE DRAWING

REVISIONS			
REV.	ECO.	DATE	APVD
F	083117	083117	WH

DWG SCALE:	NTS
DRAWN:	R CSUK/WH
ENGR:	D.Crockett
DATE:	111014

TITLE	XCT to YAMAHA YDRE Wiring Diagram
SIZE	DOCUMENT NO.
A	S DOC110-021
REV.	F

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