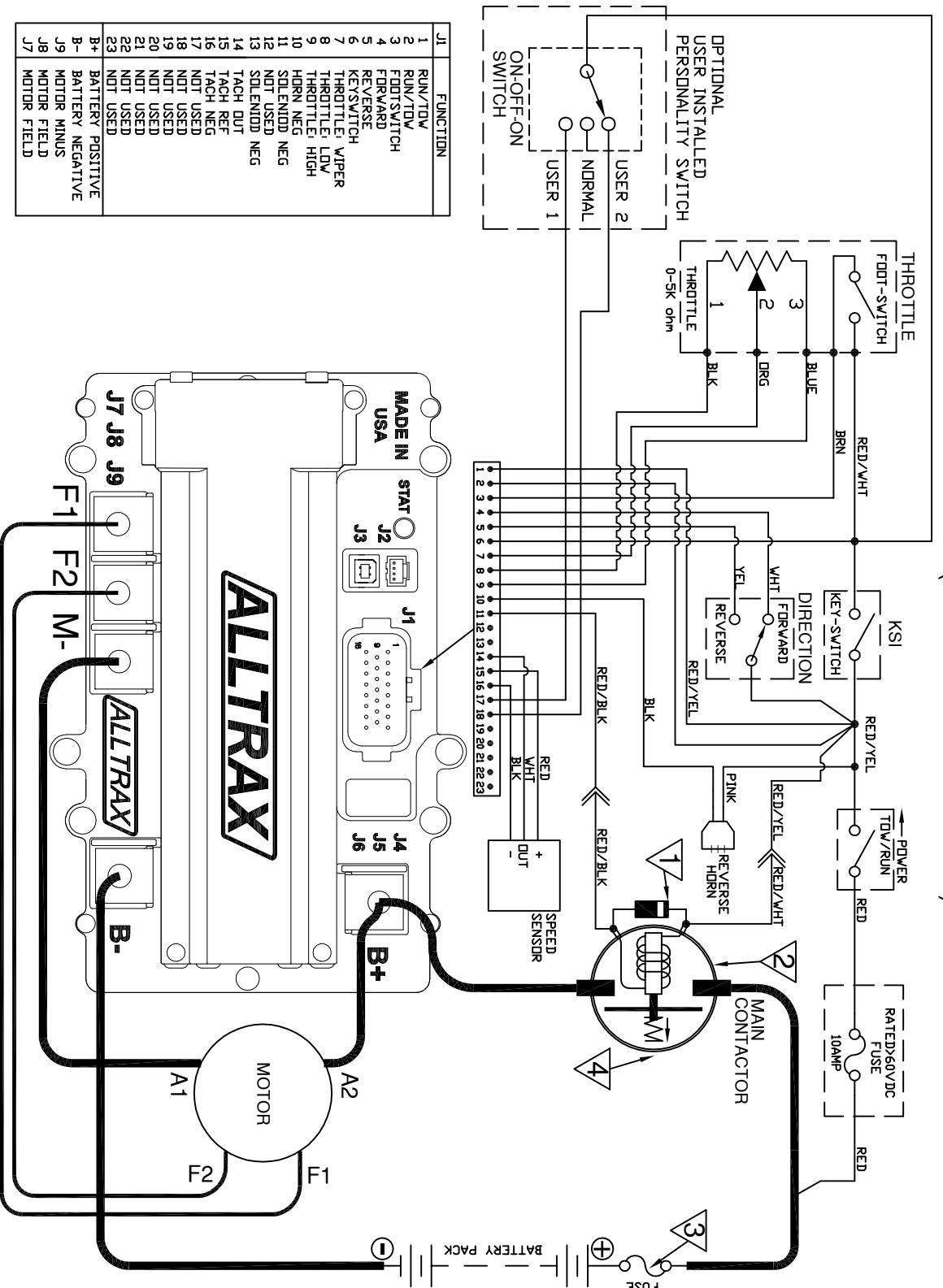


XCT to YAMAHA G19 & G22 W/ GE CONTROLLERS

FOR SHUNT (SEPERATELY EXCITED) WOUND MOTORS

PART NO. DOC110-020



| | | |
|---|---------------------------|------------------------------|
| 1 | DIODE RATING | CONTRACTOR RATING |
| | 1N4001 1N5408 MR754 | DEM 200A DEM 200A 400A |

| | | |
|---|------------------------------|------------------------------|
| 2 | CONTACTOR RATING | CONTRACTOR RATING |
| | DEM 200A DEM 200A 400A | 300A DR 400A 300A TD 500A |

| | | |
|---|------------------|------------------------------|
| 3 | FUSE RATING | CONTROLLER RATING |
| | ANN250 ANN400 | 400A DR LESS 450A DR MORE |

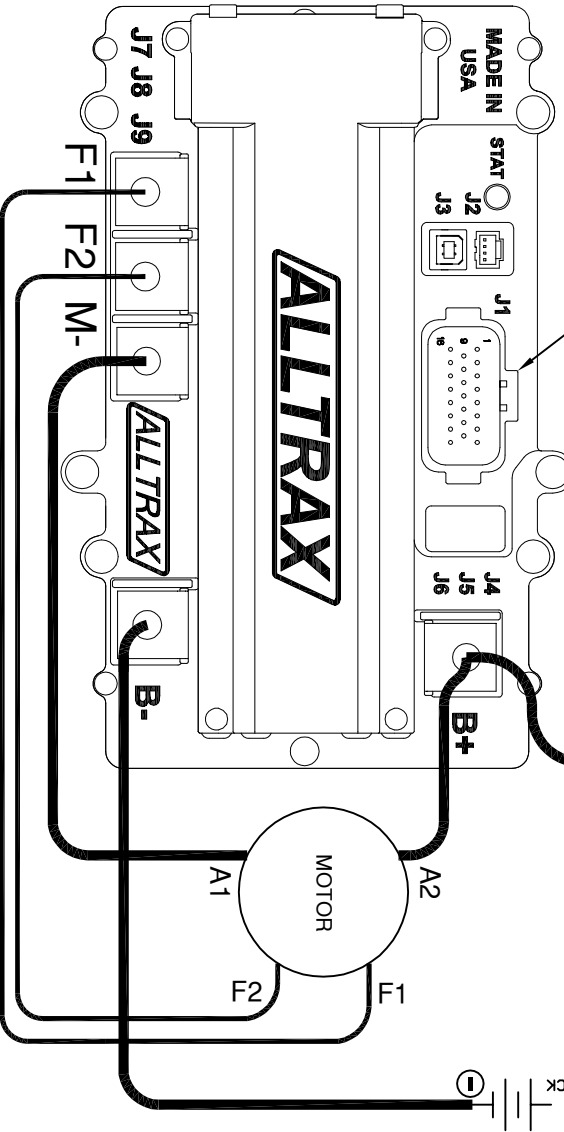
4 PRE-CHARGE RESISTOR NOT NEEDED ON XCT UNITS

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

| J1 | FUNCTION |
|----|---------------------|
| 1 | RUN/TOW |
| 2 | FOOT SWITCH FORWARD |
| 3 | REVERSE |
| 4 | KEY SWITCH |
| 5 | THROTTLE VIPER |
| 6 | THROTTLE LOW |
| 7 | THROTTLE HIGH |
| 8 | HORN NEG |
| 9 | SOLENOID NEG |
| 10 | SOLENOID NEG |
| 11 | TACH OUT |
| 12 | TACH REF |
| 13 | TACH NEG |
| 14 | TACH NEG |
| 15 | NOT USED |
| 16 | NOT USED |
| 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 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
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- > ALLTRAX MAKES NO WARRANTY AS TO THE ACCURACY, SUFFICIENCY, OR SUITABILITY OF ANY TECHNICAL OR OTHER INFORMATION PROVIDED
- > SEE OPERATORS MANUAL FOR MORE INFORMATION



DO NOT SCALE DRAWING

| <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>120814</td><td>021615</td><td>RC</td></tr> <tr><td>B</td><td>041315</td><td>041315</td><td>RC</td></tr> <tr><td>C</td><td>050215</td><td>050215</td><td>RC</td></tr> </table> | | | REV. | ECO. | DATE | APVD | A | 120814 | 021615 | RC | B | 041315 | 041315 | RC | C | 050215 | 050215 | RC | <p>DWG SCALE: NTS</p> <table border="1"> <tr><th>DRAWN</th><th>R</th><th>CSUK</th><th>111114</th></tr> <tr><td>ENGR</td><td>D.Crockett</td><td></td><td>111014</td></tr> </table> | | | DRAWN | R | CSUK | 111114 | ENGR | D.Crockett | | 111014 |
|---|------------|--------|--|------|------|------|---|--------|--------|----|---|--------|--------|----|---|--------|--------|----|---|--|--|-------|---|------|--------|------|------------|--|--------|
| REV. | ECO. | DATE | APVD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 120814 | 021615 | RC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 041315 | 041315 | RC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 050215 | 050215 | RC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN | R | CSUK | 111114 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGR | D.Crockett | | 111014 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>TITLE</p> <p>XCT to YAMAHA G19/22 Wiring Diagram</p> | | | <p>SIZE DOCUMENT NO.</p> <p>A S DOC110-020</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>FILE:DWG-XCT-YAMAHA-G19-22-WIRE-DA.DWG</p> | | | <p>SHEET 1 of 1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |