WIRING SCHEMATICS

YAMAHA GOLF CART
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**Main Contactor**

- Orange/White 20 AWG
- **NOTE 3**

**Coil Return**

- Blue/White 20 AWG

**Back Up Buzzer**

- Gray 20 AWG

**Pedal Interlock**

- Green 20 AWG

**Brake Switch**

- Purple 20 AWG

**Forward**

- White 20 AWG

**Reverse**

- Yellow 20 AWG

**Menu Button**

- White/Red 20 AWG

**Economy Mode**

- Brown 20 AWG

**12V Power**

- Red/Blue 20 AWG

**Pot Wiper**

- Yellow/White 20 AWG

**I/O Ground**

- Black/Blue 20 AWG

**5V Power**

- Red/White 20 AWG

**TX Serial**

- Grey/Blue 20 AWG

**RX Serial**

- Green/White 20 AWG

**Encoder Phase A**

- Tan 20 AWG

**Encoder Phase B**

- Tan/Black 20 AWG

**Motor Temp**

- Yellow/Black 20 AWG

**KSI**

- Blue 20 AWG

**RS AMP**

- 1-460860-0

**RS AMP**

- 1-460868-0

**RS Deutsch ST-06 SS**

**DEUTSCH DT-06-3S**

**DEUTSCH DT-06-2P**

**Molex MiniFit Jr**

**Throttle Pot**

**Display**

**1232 / 1234 / 1236 / 1238 Controller**

**Main Battery Pack**

**Motor**

**Motor Temp Sensor**

**Cad Type**

- VISIO

**Applicable Software**

- Unit None

**Drawing**

- 1010-YAMADRV

**Rev Description Approved**

- 9/12/2017

**Revisions**

- Change wire gauge from 18 to 20 AWG
- Change wire color at D2 from Blue to Red/Blue
- Change wire color at E1 from Tan/Green to Green
- Change wire color at H6 & H7 from Blue to Blue/Red
- Rename P2-2 connector to P2B

**Notes:**

- *[1](#) Remove OEM connector from OEM harness. Keep 2 to 3 inches of OEM wires. Match and butt splice wires. Some wires color may differ.
- *[2](#) Menu button is optional. Use with display.
- *[3](#) Remove any diodes or resistor from main contactor.
- *[4](#) Use 40A fuse in 660 system. Use 30A fuse in 350 system.
- *[5](#) Normally open. Contacts must be closed when brake pedal is pressed.