WIRING SCHEMATICS

CLUB CAR PRECEDENT
GOLF CAR

REVISION: M
Date: 3-27-19
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**VISIO**

**P7 AMP 1-480707-0**

**KEY SWITCH GREEN 20 AWG**

**MENU BUTTON WHITE/RED 20 AWG**

**GOLF / STREET SWITCH BROWN 20 AWG**

**RX SERIAL OR CAN HIGH GREEN/ WHITE 20 AWG**

**I/O GROUND BLACK/BLUE 20 AWG**

**MOTOR TEMP SENSOR GREEN 20 AWG**

**MOTOR ENCODER PHASE A**

**MOTOR ENCODER PHASE B**

**KEN BLUE 20 AWG**

**R3 MOLEX MINI FIT JR 39-01-2080**

**MAIN BATTERY PACK**

**BACK UP BUZZER**

**S2**

**P5 MOLEX 39-01-2041**

**P6 MOLEX 39-01-2051**

**RX SERIAL OR CAN LOW GREY/BLUE 20 AWG**

**TX SERIAL OR CAN LOW GREY/BLUE 20 AWG**

**12V POWER CNTRL RED/BLUE 20 AWG**

**12V POWER CNTRL RED/WHITE 20 AWG**

**TAN/BLACK 20 AWG**

**TAN 20 AWG**

**GREEN 20 AWG**

**WHITE/RED 20 AWG**

**YELLOW/WHITE 20 AWG**

**RED/WHITE 20 AWG**

**GREY/WHITE 20 AWG**

**TAN/BLACK 20 AWG**

**WHITE 20 AWG**

**THROTTLE POT NOTE 1**

**THROTTLE SWITCH NOE 1**

**FORWARD**

**FORWARD/REVERSE SWITCH NOTE 1**

**REVERSE**

**COIL RETURN BLUE/WHITE 20 AWG**

**START SWITCH ORANGE/BLACK 20 AWG**

**6V POWER CNTRL RED/WHITE 20 AWG**

**ENCODER PHASE B TAN 20 AWG**

**ENCODER PHASE A TAN/BLACK 20 AWG**

**MOTOR TEMP SENSOR YELLOW/BLACK 20 AWG**

**S1**

**P4 DEUTSCH DTM-04-4P**

**P4B DEUTSCH DTM-04-2P**

**FORWARD**

**FORWARD/REVERSE SWITCH NOTE 1**

**REVERSE**

**MOTOR TEMP SENSOR (NOTE 1)**

**MOTOR CNTR (NOTE 1 & 2)**

**CAN BUS CONNECTOR CONNECT TO CAN BUS CONNECTOR FROM LITHIUM BATTERY PACK**

**NOTES:**

1. THROTTLE POT, THROTTLE SWITCH, CONTACTOR, AND FORWARD REVERSE SWITCH WIRES ARE CONNECTED THROUGH OEM HARNESS.

2. MENU BUTTON IS OPTIONAL WITH DISPLAY. NORMALLY OPEN, MOMENTARY.

3. REMOVE ANY DIODES OR RESISTOR FROM MAIN CONTACTOR.

4. USE 400A FUSE IN 650 SYSTEM. USE 300A FUSE IN 350 SYSTEM.

5. NORMALLY OPEN. CONTACTS MUST BE CLOSED WHEN BRAKE PEDAL IS Pressed.

6. MOTOR TEMP SENSOR NOT USED FOR GOLF CART APPLICATION.

For 2014 and newer vehicles: There is no 6 pin Deutsch DT connector. The brown wire (golf street switch) is no longer connected to the brown/white wire in the 6 pin connector. Instead, connect to P2 pin 11.

There will be a brown wire coming from P2-11 with a male ¼” QD. So depending on the model year, it will either get plug in on the brown/white wire of the 6 pin connector or will be on the P2-11.

**REV DESCRIPTION APPROVED**

**A INITIAL RELEASE**

- Added Orange/Black wire from R1-2 to reference point B5.
- Added Blue/White wire from R1-13 to reference point B6.

**J 9/10/2018**

- Added missing wire length at reference point B5 and B6.

**K 10/10/2018**

- Label correction in the connector P4B.
- Added Brown wire from P2-11 to reference point B7.

**L 10/20/2018**

- Added R8 connector.
- Added Splice S4.
- Added Blue Wire at splice S4.

**M 9/20/2018**

- Simplified view of the harnesses layout.
- Expanded layout legend.
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HPEVS MAIN WIRING HARNESS

13

Blue/ White

2

Orange/ Black

CLUB CAR PRECEDENT

Relay Part #: Tyco Electronics T9AP1D52-48-01

Key Switch

ON

OFF

Orange/ Purple

+48V

Start Button Part# E-Switch PV5S64011

Start Button N/O 48V Rated

Blue Wire From Provided Dash Harness (Pin #3 of 9 pin Connector)

NOTE: LOCATE RELAY BEHIND CARS DASH