



Hi Performance Electric Vehicle Systems

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**PRECEDENT CLUB CAR  
GOLF CAR START BUTTON  
SCHEMATIC WITH HPEVS DRIVE SYSTEM**

**Date: 1-10-19**

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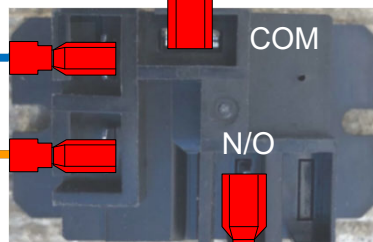
# CLUB CAR PRECEDENT

HPEVS MAIN WIRING HARNESS



13 Blue/ White  
2 Orange/ Black

Relay Part #:  
Tyco Electronics  
T9AP1D52-48-01

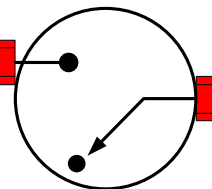


Orange/ Purple

Orange/ Purple

Blue

Key Switch



+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

CAD TYPE	APPLICABLE SOFTWARE		
VISIO	DRAWING 1010-Start Button		
UNIT	NONE		
DRW SIZE	TITLE		
A	Golf Cart Start Button Club Car Precedent ONLY		
DATE	SUPPLIER PART		
01/11/19			
SCALE	SHEET	REVISION	HPEVS
1:1	1 OF 1	2	

## **THEORY OF OPERATION**

**Scope:** The following steps gives the end user instruction on the process and functionality of how to start a golf car that is utilizing a start button system. A HPEVS drive system is needed for the functionality of this process.

**Functionality:** Utilizing the provided start button to start the golf car is designed to protect the batteries. Once the car is started and running, the vehicle will remain on. If the vehicle has not been driven for 30 minutes, the controller is programmed to shutdown the vehicle and all power so that battery power is not being used. To restart the vehicle, simply depress the start button again to restart the drive system.

**(DISCLAIMER: ALTHOUGH THIS PROCESS IS DESIGNED TO SHUTDOWN THE DRIVE SYSTEM TO PROTECT THE BATTERIES FROM BEING FULLY DEPLETED, THE IGNITION KEY SHOULD ALWAYS BE USED TO SHUTDOWN THE DRIVE SYSTEM).**

1. To start the golf car, first, turn on the ignition key.
2. Depress and hold the start button for two seconds.
3. If the vehicle is not driven within 5 minutes after starting, the drive system will shut down.
4. The drive system will energize and the car will drive as normal.
5. If the car has not been driven for thirty (30) minutes after being driven, the controller will shut the drive system down.
6. If the drive system has shutdown and the ignition key has not been cycled off, simply depress the start button once more and the vehicle is ready to drive.