

# BRK CC5 1001K BRAKE LIGHT SWITCH KIT

## Installation Instructions For Club Car



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### INSTALLATION

#### DISCONNECT THE BATTERY CABLES

#### ! CAUTION !

- 1 On Electric Powered carts, (if so equipped) disable the system by switching the TOW/RUN switch to TOW. ALWAYS disconnect the battery set's main negative lead and the main positive lead before working on the electrical system.
- 2 On gasoline vehicles, disconnect the negative battery cable.

#### ! CAUTION !

**Vehicles using the IQ or Power Drive Plus speed control systems (with serial number 9801 and greater), place the Tow/Run switch in the TOW position before disconnecting or connecting the batteries. Failure to follow this warning could result in a battery explosion or severe personal injury.**

#### SECURE NEW BRAKE LIGHT SWITCH AND BRACKET

1. Locate the rear brake assembly mounting bolt on driver side of vehicle. (Figure 2). Place the new brake light mounting bracket (G) onto the mounting bolt and temporarily secure with a 5/16-18 serrated face lock nut.
2. Using the hole in the mounting bracket (G) as a template, mark the hole location on the frame I-beam as shown in Figure 3.
3. Remove the mounting bracket and drill a 5/16" (9.5 mm) diameter hole through the I-beam at the location marked.
4. Secure the brake light switch (A) to the bracket (G) using two #6-32 x 1 hex-head machine screws (C) and #6-32 nylon lock nuts (E) as shown (Figure 3). Tighten the hardware.
5. Use a 5/16-18 lock nut (D) to secure the bracket (G) to the rear driver side brake assembly mounting bolt as shown in Figure 3. Make sure the switch makes physical contact with the welded stop on the brake pedal arm assembly. Tighten the lock nut (D).
6. Insert a 5/16-8 x 3/4 hex head bolt with flat washer through the bracket (G) and through the hole previously drilled in the I-beam. Secure it using a lock nut (D).
7. Using the two terminal screws (4) on the brake light switch (A), connect the 16 gauge purple wire to the NC terminal, and the other 16 gauge purple wire to the COM terminal as shown on page 3.
8. Depress the brake pedal to make sure the brake pedal movement will not interfere with the wires. Adjust the brake light switch so that when the brake pedal is depressed there is an audible "CLICK" from the brake light switch under the floorboard. If not, you may have to loosen the bracket bolt and nut to adjust the switch position, then re-tighten.



Fig. 1 - Parts included in kit



Fig. 2 - Brake Switch Location



Fig. 3 - Switch Bracket and Drill Location

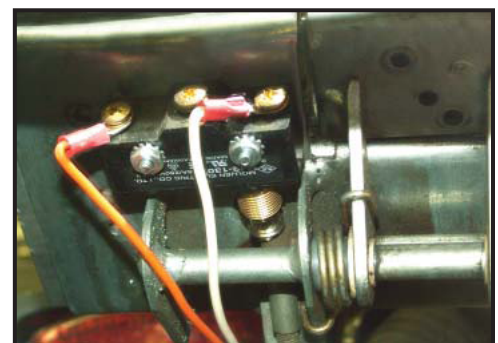


Fig. 4 - Interlock Micro Switch

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## INSTALL PARK BRAKE INTERLOCK SWITCH

1. Remove the large rubber main brake pedal pad from the break pedal and locate the two pre-drilled slotted holes for micro switch mounting.
2. Loosely install the micro switch onto the back side of the brake pedal as shown in figure 4. Use the #6-32 x 1 hex-head machine screws (C), and #6-32 nylon lock nuts (E) and washers supplied with the kit.
3. Adjust the micro switch position down onto the top end of the park brake rod, then tighten the screws in to hold the micro switch in that position.
4. Press the park brake pad approximately 1/4" and you should hear this micro switch click before the park brake is set. As the park brake is released, the micro switch button is released and again you should here the click. If not, you may need to loosen the screws and re-adjust the micro switch position.
5. Route the new 16 gauge purple wires up through the brake pedal opening in the floor and connect the wires to the NC and to the COM terminals on the park brake pedal switch, as shown on page 3.
6. Check that when the park brake is applied, the pedal switch will "CLICK". If not, you may need to adjust the switch position. Install the main brake pedal pad back onto the brake pedal.

## CONNECT THE REMAINING PURPLE WIRES

1. Coat all the terminals on both switches with Battery Protector Spray (BU Part #MNT UNV 0512) to minimize corrosion.
2. Use three tie wraps to secure the purple wires to brake pedal arm.
3. Connect the purple wire from the brake light switch under the floor, to your 12 volt (positive) power supply. This can be a direct battery connection (using a minimum 10 amp in-line fuse), or you can connect to the 12 volt positive lead already supplying power to your light switch.
4. Connect the purple wire from the brake light switch under the floor, to the red wire from your turn signal switch if the turn signals are used. If turn signals are not used, connect the purple wire to a lead routed to the red brake light lead on each rear tail/brake light assembly.

### **! CAUTION !**

**Always use the same 12 volt power source for your brake circuit, that is used for your lights. Failure to use the same source could cause a serious short circuit between batteries.**

### **! CAUTION !**

**Do not tie the wires to the park brake rod (located behind brake arm). Failure to follow this warning may result in improper operation of the park brake or park brake switch.**

### **! CAUTION !**

**NEVER ground any electrical accessory to the chassis on electric powered carts. Any sort of chassis ground could cause a serious short circuit between batteries.**

## CONNECT BATTERY CABLES

1. On Electric Powered Carts; Connect the battery cables, positive (+) cable first. After tightening, be sure to coat terminals with Battery Terminal Protector Spray (BU Part #MNT UNV 0512) to minimize corrosion.
2. On Gas Powered Carts; Reconnect the battery negative cable.

## CHECK OPERATION OF BRAKE SWITCH

1. The brake lights should illuminate when the brake pedal is pressed.
2. The lights should go out when the park brake is engaged.

NOTE: Some re-adjustment of the switches may be required if they do not operate as described. Refer to installation instructions above for details regarding adjustments.

# Club Car Brake Light Switch Wiring

