

IQ System or Excel Electric  
Vehicle:

- Precedent
- DS Golf Car
- Carryall 1
- Turf 1

# Private Speed Mode Kit Installation Instructions

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These instructions apply to the following kits:

|           |           |
|-----------|-----------|
| 102258101 | 102556301 |
| 102258201 | 103530801 |



## GENERAL INFORMATION AND PRECAUTIONS

This publication provides detailed instructions for installing the Private Speed Mode Kit on IQ System and Excel vehicles. Statements labeled NOTE provide additional information that is essential for the proper installation of this kit.

For optimum driving performance of IQ System and Excel vehicles programmed for Private Speed Mode, Club Car recommends the use of Duro® Performance Grade tires. Duro® Performance Grade tires are available with beige rims (CCI P/N 101570508) or white rims (CCI P/N 101651408).

The following safety statements relate to specific safety issues and must be read, understood, and heeded before a kit is installed. Failure to do so could result in personal injury and/or property damage.

### **⚠ DANGER**

- Battery – Explosive gases! Do not smoke. Keep sparks and flames away from the vehicle and service area. Ventilate when charging or operating vehicle in an enclosed space. Wear a full face shield and rubber gloves when working on or near batteries.
- Battery – Poison! Contains acid! Causes severe burns. Avoid contact with skin, eyes, or clothing. Antidotes:
  - External: Flush with water. Call a physician immediately.
  - Internal: Drink large quantities of milk or water. Follow with milk of magnesia or vegetable oil. Call a physician immediately.
  - Eyes: Flush with water for 15 minutes. Call a physician immediately.

### **⚠ WARNING**

- Follow the procedures exactly as stated in this instruction, and heed all DANGER, WARNING, and CAUTION statements in this instruction as well as those on the vehicle and battery charger.
- Only trained technicians should service or repair the vehicle or battery charger. Anyone doing even simple repairs or service should have knowledge and experience in electrical and mechanical repair. The appropriate instructions must be used when performing maintenance, service, or accessory installation.
- Prior to servicing the vehicle or leaving the vehicle unattended, turn the key switch OFF, remove the key, and place the Forward/Reverse handle in the NEUTRAL position. Chock the wheels when servicing the vehicle.
- Place Tow/Run switch in the TOW position before disconnecting or connecting the batteries. Failure to heed this warning could result in a battery explosion or severe personal injury.
- To avoid unintentionally starting the vehicle, disconnect the batteries as shown (Figure 2 through Figure 5, Page 5).
- After disconnecting the batteries, wait 90 seconds for the controller capacitors to discharge.
- Wear safety glasses or approved eye protection when servicing the vehicle or battery charger. Wear a full face shield and rubber gloves when working on or near batteries.
- Do not wear loose clothing or jewelry such as rings, watches, chains, etc., when servicing the vehicle or battery charger.

WARNING CONTINUED ON NEXT PAGE...

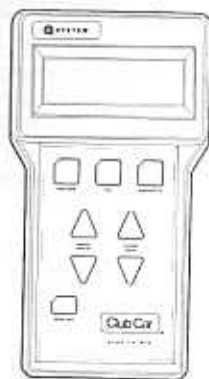
## **⚠ WARNING**

- Moving parts! Do not attempt to service the vehicle while it is running.
- Hot! Do not attempt to service hot engine, exhaust system, or motor. Failure to heed this warning could result in severe burns.
- Use insulated tools when working near batteries or electrical connections. Use extreme caution to avoid shorting of components or wiring.
- Lift only one end of the vehicle at a time. Use a suitable lifting device (chain hoist or hydraulic floor jack) with 1000 lb. (454 kg) minimum lifting capacity. Do not use lifting device to hold vehicle in raised position. Use approved jack stands of proper weight capacity to support the vehicle and chock the wheels that remain on the floor. When not performing a test or service procedure that requires movement of the wheels, lock the brakes.
- If wires are removed or replaced, make sure wiring and wire harness are properly routed and secured. Failure to properly route and secure wiring could result in vehicle malfunction, property damage, personal injury, or death.

## **TOOLS REQUIRED**

**NOTE:** The private speed mode feature kit can be activated using the IQDM-P Kit (CCI P/N 102248802) or IQDM-P Series 2 Kit (CCI P/N 102248804). Determine which kit you have and proceed with the instructions accordingly.

**IQ System Display Module - Programmer Kit (CCI P/N 102248802)**



**IQDM-P HANDSET**



**IQDM CABLE**



**CABLE ADAPTER**

**IQ System Display Module Series 2 - Programmer Kit (CCI P/N 102248804)**



**IQDM-P SERIES 2 HANDSET**



**IQDM SERIES 2 CABLE**



**CABLE ADAPTER**

## PARTS IN THIS KIT

**PRECEDENT (EXCEL) VEHICLE**  
KIT CCI P/N 103530801

**IMPORTANT NOTICE**  
This vehicle does not conform to ANSI Z130.1 - "Standard for Golf Cars - Safety and Performance Requirements" because it is capable of speeds in excess of 15 miles per hour. Exercise caution.

PRIVATE SPEED MODE DECAL  
102555901

**EXCEL** KIT CCI P/N 103530801  
CODE A: 243 CODE B: 159 CODE C: 045

PRIVATE SPEED MODE  
PASSCODE DECAL  
102249801

**IQDM PRE-PROGRAMMED  
1515 CONTROLLER**  
103403401

**PRECEDENT (IQ) VEHICLE**  
KIT CCI P/N 102556301

**IMPORTANT NOTICE**  
This vehicle does not conform to ANSI Z130.1 - "Standard for Golf Cars - Safety and Performance Requirements" because it is capable of speeds in excess of 15 miles per hour. Exercise caution.

PRIVATE SPEED MODE DECAL  
102555901

**EXCEL** KIT CCI P/N 102556301  
CODE A: 243 CODE B: 159 CODE C: 045

PRIVATE SPEED MODE  
PASSCODE DECAL  
102249801

**IQDM PRE-PROGRAMMED  
CONTROLLER**  
101956501

**DS (IQ) VEHICLE**  
KIT CCI P/N 102258201

**IMPORTANT NOTICE**  
This vehicle does not conform to ANSI Z130.1 - "Standard for Golf Cars - Safety and Performance Requirements" because it is capable of speeds in excess of 15 miles per hour. Exercise caution.

PRIVATE SPEED MODE DECAL  
102228701

**EXCEL** KIT CCI P/N 102258201  
CODE A: 243 CODE B: 159 CODE C: 045

PRIVATE SPEED MODE  
PASSCODE DECAL  
102249801

**IQDM PRE-PROGRAMMED  
CONTROLLER**  
101956501

**DS, CARRYALL 1, AND TURF 1 (IQ) VEHICLES**  
KIT CCI P/N 102258101

**IMPORTANT NOTICE**  
This vehicle does not conform to ANSI Z130.1 - "Standard for Golf Cars - Safety and Performance Requirements" because it is capable of speeds in excess of 15 miles per hour. Exercise caution.

PRIVATE SPEED MODE DECAL  
102228701

**EXCEL** KIT CCI P/N 102258101  
CODE A: 243 CODE B: 159 CODE C: 045

PRIVATE SPEED MODE  
PASSCODE DECAL  
102249801

## GENERAL INFORMATION

**NOTE:** The codes A, B, and C described in this manual are used to place the vehicle in Private Speed Mode. A vehicle programmed for this mode does not conform to ANSI Z130.1 - "American National Standard for Golf Cars - Safety and Performance Requirements," because it is capable of speeds in excess of 15 mph (24.1 km/h).

Record the passcode numbers from the passcode decal included in this kit (Figure 1).

**CODE A:** \_\_\_\_\_

**CODE B:** \_\_\_\_\_

**CODE C:** \_\_\_\_\_

Figure 1 Record Passcode Numbers

## 1. DISCONNECT THE BATTERY CABLES

**NOTE:** If you have Kit CCI P/N 102258101, which does not include a pre-programmed controller, proceed to Step 3 – Plug Handset Into Vehicle on page 6.

- 1.1. Disconnect the battery cables as instructed. See **WARNING** "To avoid unintentionally starting..." on page 2.

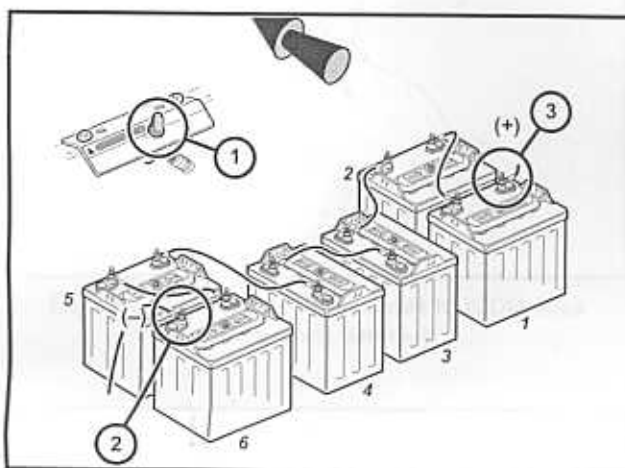


Figure 2 Battery Cable Removal –  
IQ System Electric Vehicle with 6 x 8V Batteries

1. Place TOW/RUN Switch in TOW before disconnecting or connecting battery cables.
  2. Remove negative battery cable.
  3. Remove positive battery cable.
- Connect battery cables in reverse order.

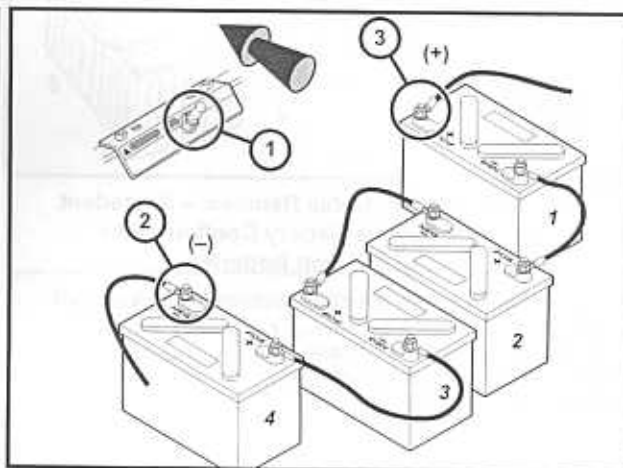


Figure 3 Battery Cable Removal –  
DS, Carryall 1, and Turf 1 IQ System Electric Vehicle  
with 4 x 12V Batteries

1. Place TOW/RUN Switch in TOW before disconnecting or connecting battery cables.
  2. Remove negative battery cable.
  3. Remove positive battery cable.
- Connect battery cables in reverse order.

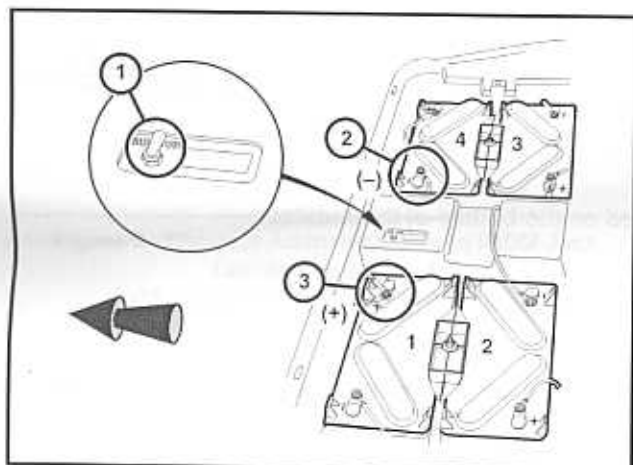


Figure 4 Battery Cable Removal – Precedent  
Style A Electric Vehicle Battery Configuration  
with 4x12-volt Batteries

1. Place TOW/RUN Switch in TOW before disconnecting or connecting battery cables.
  2. Remove negative battery cable.
  3. Remove positive battery cable.
- Connect battery cables in reverse order.

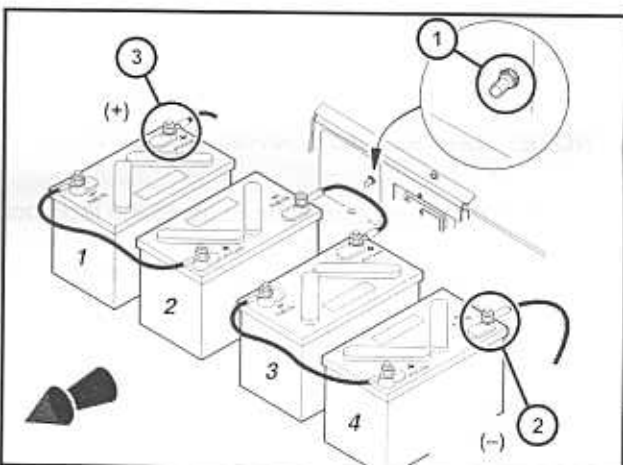
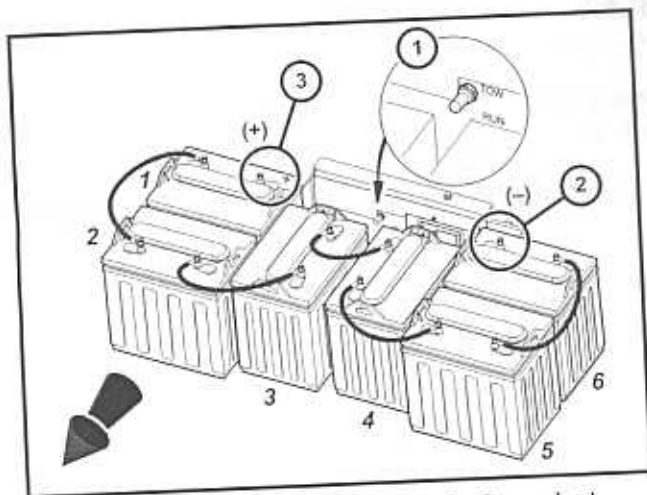


Figure 5 Battery Cable Removal – Precedent  
Style B Electric Vehicle Battery Configuration  
with 4x12-volt Batteries

1. Place TOW/RUN Switch in TOW before disconnecting or connecting battery cables.
  2. Remove negative battery cable.
  3. Remove positive battery cable.
- Connect battery cables in reverse order.



**Figure 6 Battery Cable Removal – Precedent Electric Vehicle Battery Configuration with 6X8-volt Batteries**

1. Place TOW/RUN Switch in TOW before disconnecting or connecting battery cables.
  2. Remove negative battery cable.
  3. Remove positive battery cable.
- Connect battery cables in reverse order.

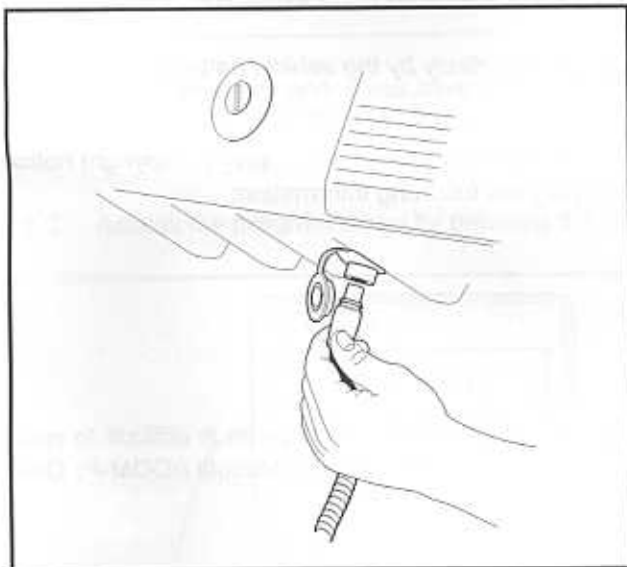
## 2. INSTALL THE PRE-PROGRAMMED CONTROLLER

Kits CCI P/N 102258201 and 103530801 requires installation of the pre-programmed speed controller. Refer to Speed Controller Installation, Section 12, in the appropriate maintenance and service manual. Then proceed to Step 6 – Apply Kit Decals on page 11.

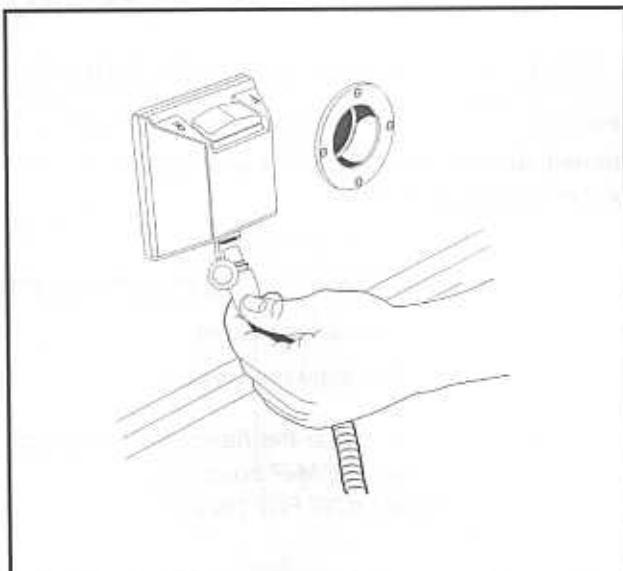
## 3. PLUG HANDSET INTO VEHICLE

**NOTE:** Make sure the Tow/Run switch is in the RUN position.

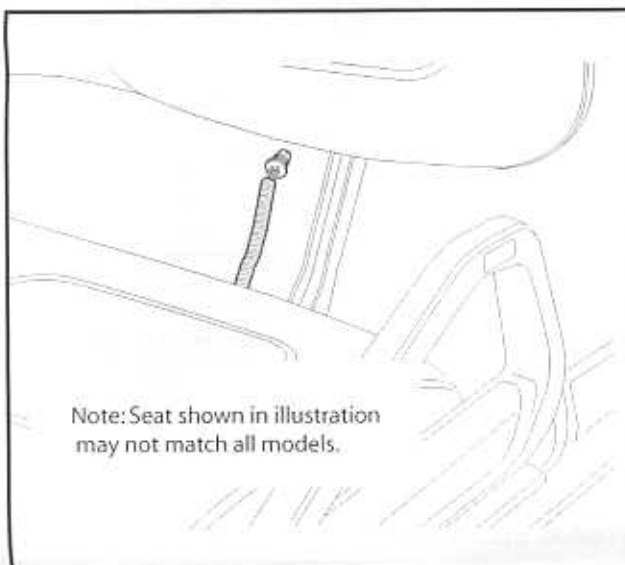
- 3.1. Connect one end of the cable to the jack located on the bottom of the handset.
- 3.2. Connect the cable adaptor to the cable.
- 3.3. DS, Carryall 1, and Turf 1 vehicles:
  - 3.3.1. Remove the dust cap from the IQDM jack located on the vehicle below the Forward/Reverse switch.
  - 3.3.2. OR, locate the IQDM jack under the seat cushion.
- 3.4. Precedent vehicle:
  - 3.4.1. Remove the dust cap from the IQDM jack located on the vehicle below the instrument panel.
- 3.5. Align the keyed portion of the plug with the IQDM jack and connect the plug to the jack (Figure 7, 8, or 9).



**Figure 7 Connect Adapter Cable to IQDM Jack  
(Precedent Vehicle)**



**Figure 8 Connect Adapter Cable to IQDM Jack  
(DS, Carryall 1, and Turf 1 Vehicles)**



**Figure 9 Connect Adapter Cable to IQDM Jack  
Located under Seat  
(DS, Carryall 1, and Turf 1 Vehicles)**



## INTRODUCTORY DISPLAY – IQDM-P HANDSET

**NOTE:** When connected to a vehicle, the handset is powered entirely by the vehicle batteries through the speed controller.

Immediately after the IQDM-P handset is connected to the vehicle, the screen will display a copyright notice and model number. After a few seconds, the screen will display the following information:

- Speed controller model number
- Date the speed controller was manufactured
- Speed controller serial number
- Speed controller software version

**NOTE:** In the event that the handset does not display any information, or the screen is difficult to read, refer to the IQDM-P troubleshooting procedures in the IQ System Display Module (IQDM-P) Owners Manual (CCI P/N 102249202).

## INTRODUCTORY DISPLAY – IQDM-P SERIES 2 HANDSET

Immediately after the IQDM-P Series 2 handset is connected to the vehicle, it begins loading the vehicle speed controller information. After a few seconds, the screen displays the following menu items:

- Program
- Monitor
- Faults
- Functions
- Information
- Programmer Setup

**NOTE:** In the event that the handset does not display any information, or the screen is difficult to read, refer to the IQDM-P Series 2 troubleshooting procedures in the IQ System Display Module Series 2 (IQDM-P Series 2) Owners Manual (CCI P/N 102249204).



## 4. ENTER SPEED CODES – IQDM-P HANDSET

**NOTE:** Use this step only if you have an IQDM-P handset (CCI P/N 102248802). Proceed to step 5 if you have an IQDM-P Series 2 handset (CCI P/N 102248804). If unsure about which handset you have, refer to Tools Required on page 3.

- 4.1. Access the program menu by pressing the PROGRAM button (Figure 10).

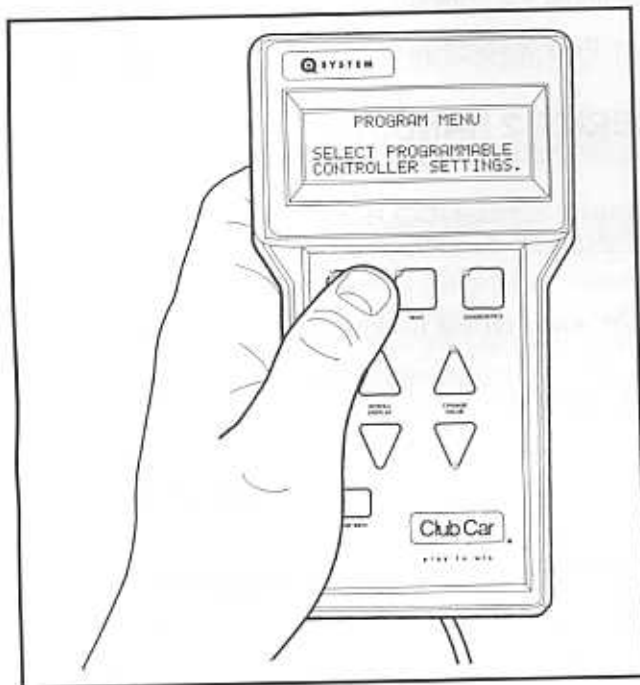


Figure 10 Program Menu Screen

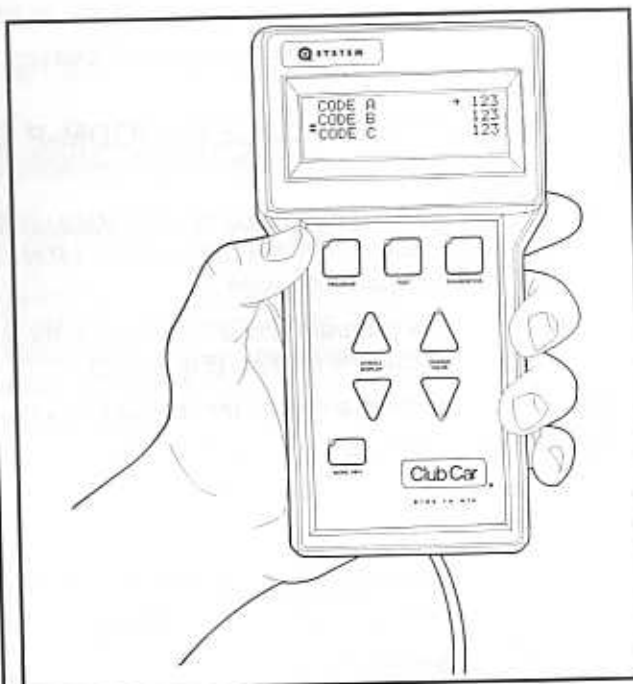


Figure 11 High Speed Code Entry Display

- 4.2. When the program menu is active, press a SCROLL DISPLAY button until **CODE A**, **CODE B**, and **CODE C** are all visible on the screen (Figure 11).
- 4.3. Using the Passcode Decal from this kit, enter the numbers shown for each of the three codes using the following procedure:
- 4.3.1. Press a SCROLL button (Figure 11), up or down, so that the arrow on the display points to **CODE A**. Then use a CHANGE VALUE button (Figure 11) to enter the value shown on the Passcode Decal for **CODE A**.

**NOTE:** Repetitive pushing and releasing of a VALUE button will increase or decrease number values one number at a time. Holding down on a VALUE button will increase or decrease the speed of number value changes.

- 4.3.2. Repeat step 4.3.1 to enter the number for **CODE B**.
- 4.3.3. Repeat step 4.3.1 to enter the number for **CODE C**.

**NOTE:** For your protection and reference, write the numbers from each of the **CODES** provided on the passcode decal into this instruction book (Figure 1) next to **CODES A, B, and C** respectively. Keep this instruction booklet in a safe place for future reference.

- 4.3.4. After all three codes have been entered, place the Tow/Run switch in the TOW position for 30 seconds, then switch back to RUN.

4.4. The display screen on the handset should now display: **Speed Setting 4.**

**NOTE:** This reading will confirm that the controller has been placed in Private Speed Mode.

If the display screen is blank when returning the Tow/Run switch to the RUN position, it indicates that the onboard computer (OBC) has gone into a power-down mode. To reactivate the onboard computer (OBC), drive the vehicle a short distance. This should re-activate the onboard computer, and the handset should display the new speed setting of 4.

4.5. Remove the cord assembly from the IQDM jack under the Forward/Reverse switch.

4.6. Replace the rubber cover over the IQDM jack on the Forward/Reverse switch.

## 5. ENTER SPEED CODES – IQDM-P SERIES 2 HANDSET

**NOTE:** Use this step only if you have an IQDM-P Series 2 handset (CCI P/N 102248804). Refer to step 4 if you have an IQDM-P handset (CCI P/N 102248802). If unsure about which kit you have, refer to Tools Required on page 3.

- 5.1. Access the *program* menu by pressing the right arrow on the navigation button when the square beside *program* is blinking (Figure 12).
- 5.2. Press the down arrow on the navigation button to *Code A*.
- 5.3. Press the right arrow to access *Code A*.
- 5.4. Press + or – on the change value button to enter the value shown on the passcode decal for Code A (Figure 13).

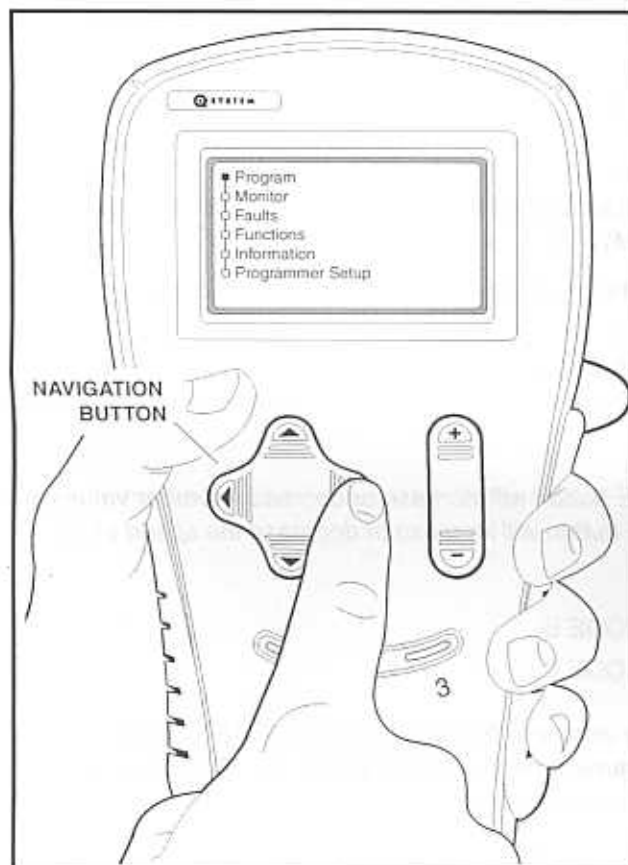


Figure 12 Access Program Menu

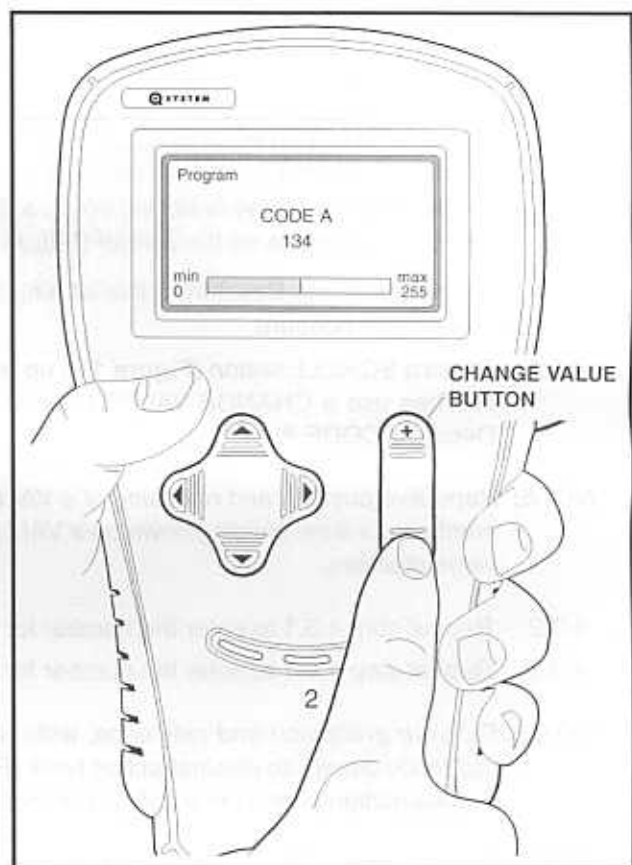


Figure 13 Change Speed Code Setting

- 5.5. Press the left arrow on the navigation button to enter the value and go back one step.
- 5.6. Scroll down to Code B and repeat steps 5.3 through 5.5.
- 5.7. Scroll down to Code C and repeat steps 5.3 through 5.5.

**NOTE:** For your protection and reference, write the numbers from each of the CODES provided on the passcode decal in this instruction book (**Figure 1**) next to **CODES A, B, and C** respectively. Keep this instruction booklet in a safe place for future reference.

- 5.8. After all three codes have been entered, place the Tow/Run switch in the TOW position for 30 seconds, then switch back to RUN.

- 5.9. The display screen on the handset should now display: **Speed Setting 4.**

**NOTE:** This reading will confirm that the controller has been placed in Private Speed Mode.

*If the display screen is blank when returning the Tow/Run switch to the RUN position, it indicates that the onboard computer (OBC) has gone into a power-down mode. To reactivate the onboard computer (OBC), drive the vehicle a short distance. This should re-activate the onboard computer, and the handset should display the new speed setting of 4.*

- 5.10. Remove the cord assembly from the IQDM jack under the Forward/Reverse switch.
- 5.11. Replace the rubber cover over the IQDM jack on the Forward/Reverse switch.

## 6. APPLY KIT DECALS

**NOTE:** It is very important that each of the two decals included in the Private Speed Mode Kit be attached to the car body as instructed.

- 6.1. Precedent vehicle (IQ and Excel):

- 6.1.1. Locate the position shown for the Private Speed Decal (CCI P/N 102555901) (**Figure 14**).
- 6.1.2. Use a small plastic squeegee, stiff cardboard, soft cloth, or other non-marring material to wipe the decal to press down exposed adhesive surface to the vehicle frame.
- 6.1.3. Locate the position for the Passcode Decal (CCI P/N 102249801), underneath the seat cushion in the driver-side corner of the battery box as shown (**Figure 14**).
- 6.1.4. Use a small plastic squeegee, stiff cardboard, soft cloth, or other non-marring material to wipe the decal to press down exposed adhesive surface to the vehicle frame.

- 6.2. DS, Carryall 1, and Turf 1 vehicles:

- 6.2.1. Locate the position shown for the Private Speed Decal (CCI P/N 102228701) (**Figure 15**).
- 6.2.2. Use a small plastic squeegee, stiff cardboard, soft cloth, or other non-marring material to wipe the decal to press down exposed adhesive surface to the vehicle frame.
- 6.2.3. Locate the position shown for the Passcode Decal (CCI P/N 102249801) (**Figure 15**), underneath the dash and immediately above the Private Speed Decal.
- 6.2.4. Use a small plastic squeegee, stiff cardboard, soft cloth, or other non-marring material to wipe the decal to press down exposed adhesive surface to the vehicle frame.

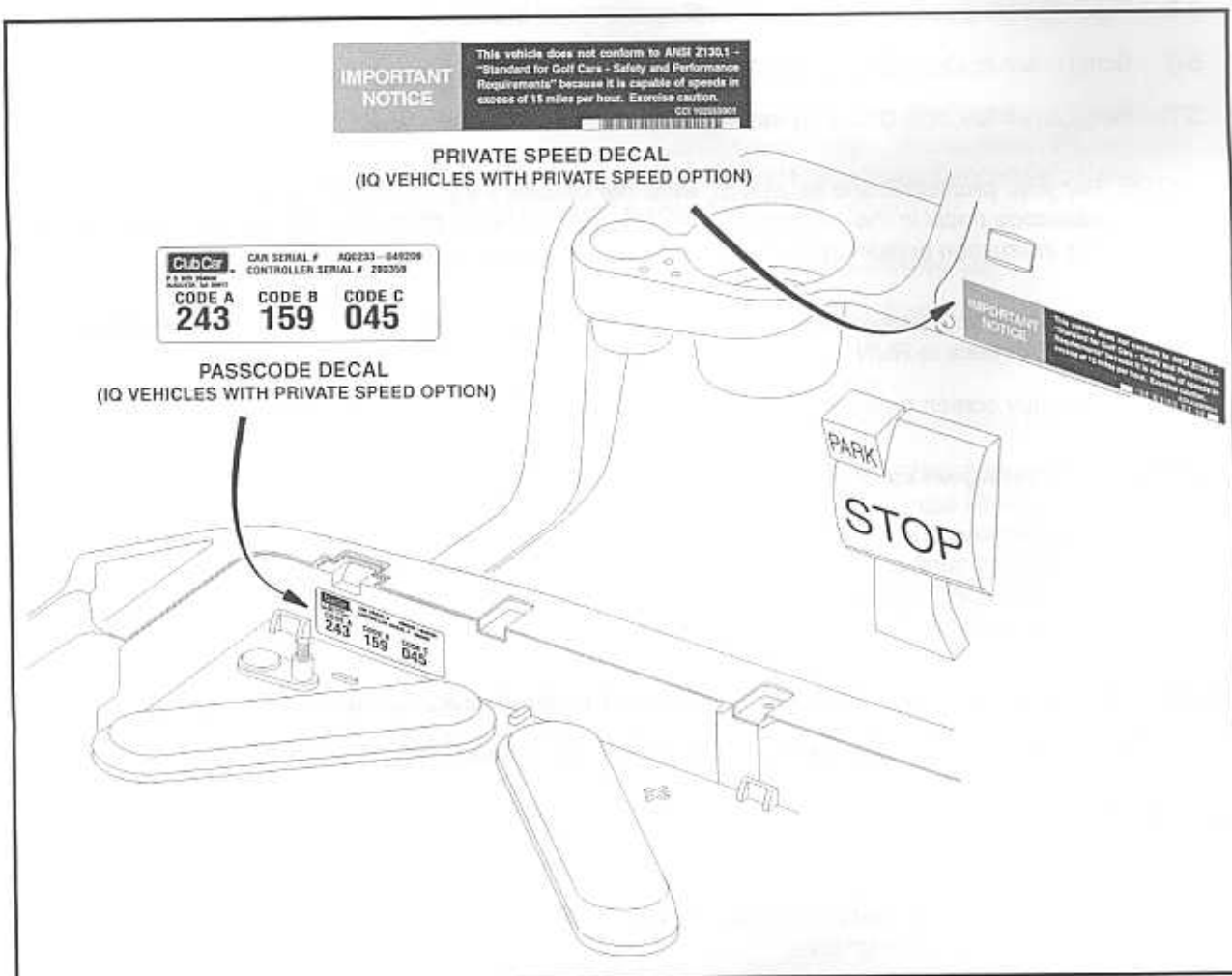


Figure 14 Apply Decals (Precedent Vehicle)

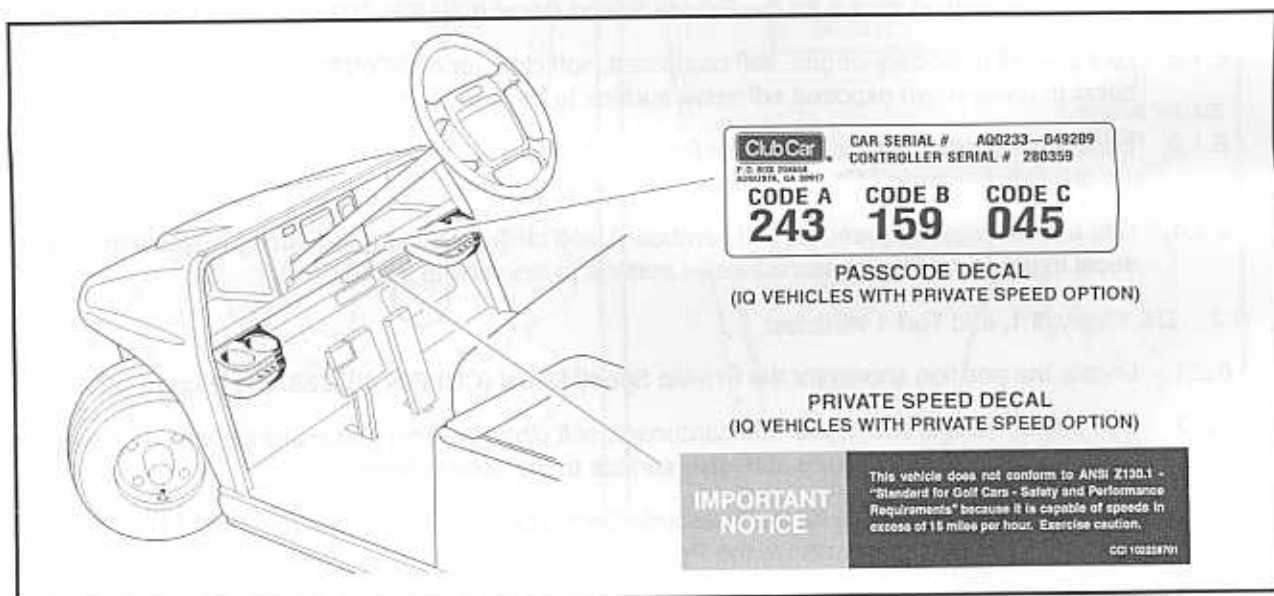


Figure 15 Apply Decals (DS, Carryall 1, and Turf 1 Vehicles)

## 7. CONNECT BATTERY CABLES

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### WARNING

- Place Tow/Run switch in the TOW position before disconnecting or connecting the batteries. Failure to heed this warning could result in a battery explosion or severe personal injury.
- 7.1. Connect the battery cables, positive (+) cable first, and tighten hardware to 110 in-lb (12.4 N-m) (Figures 2 through 5, starting on page 5). Coat terminals with Battery Terminal Protector Spray (CCI P/N 1014305) to minimize corrosion.

### QUESTIONS

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Questions or comments regarding this kit instruction should be referred to your local Club Car dealer or distributor. When calling, please know your vehicle model and serial number, and your controller serial number. Have this kit instruction, with your CODE numbers at hand.