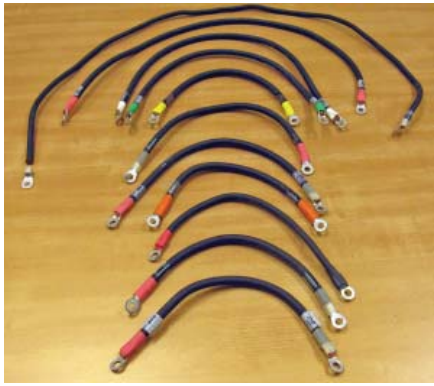


## Battery Bucket Conversion



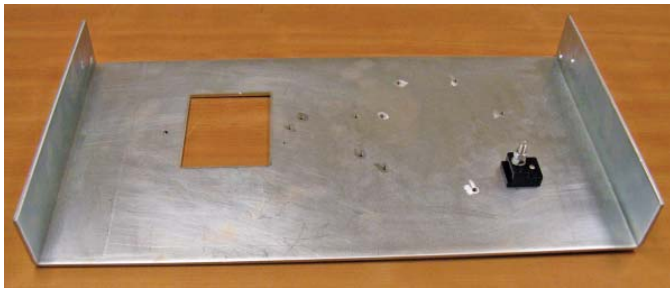
30850 Four Gauge Cable



30849 Wire Harness



31042 Hold Down Bolts



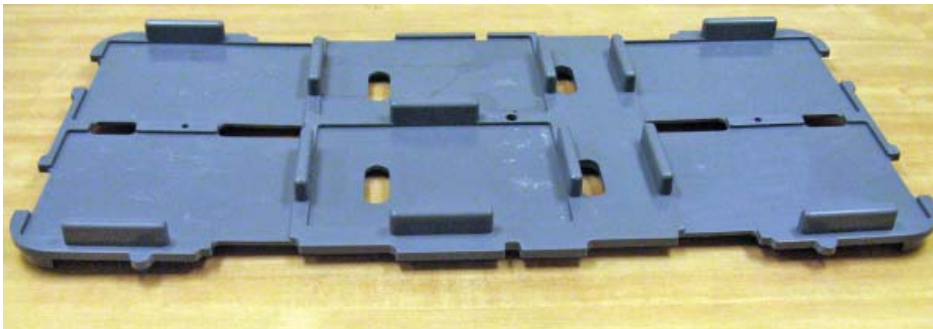
31040 Bracket



31057 Stand-Off



31042 Hold Downs



31041 Insert



31043 Hardware

Complete conversion package number is 31048 consisting of all items above.



**Caution:** wear appropriate eye protection during the installation. Place car in tow position and disconnect battery pack.



**Eye Protection!**

**Note:** this is a conversion and some drilling or wiring may be required.

**Instructions:**

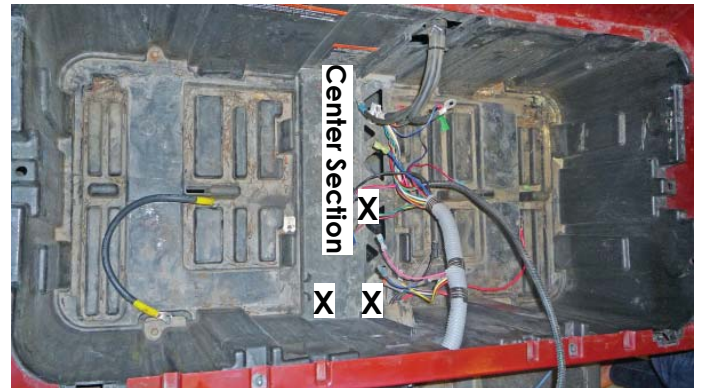
**1) Remove four batteries using double lifting straps. These batteries are very heavy and recommend having help with this part.**



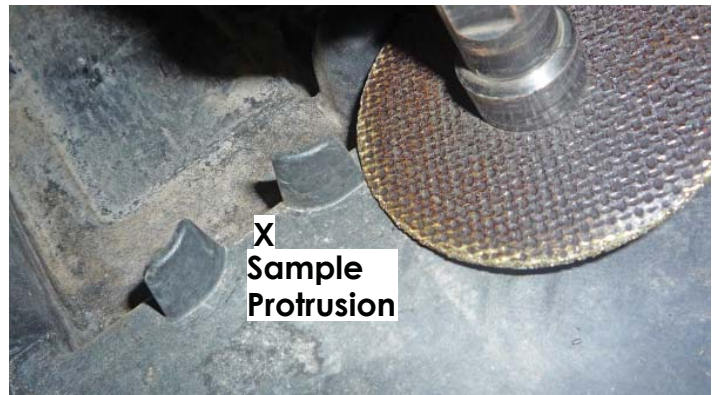
**2) Once the batteries are removed disconnect all cables and wiring from control panel. Slide the panel out and lay it aside for now.**



**3) Cut battery tray center section protrusions in the area's marked X. This will allow good fitment of the new insert into the bucket.**

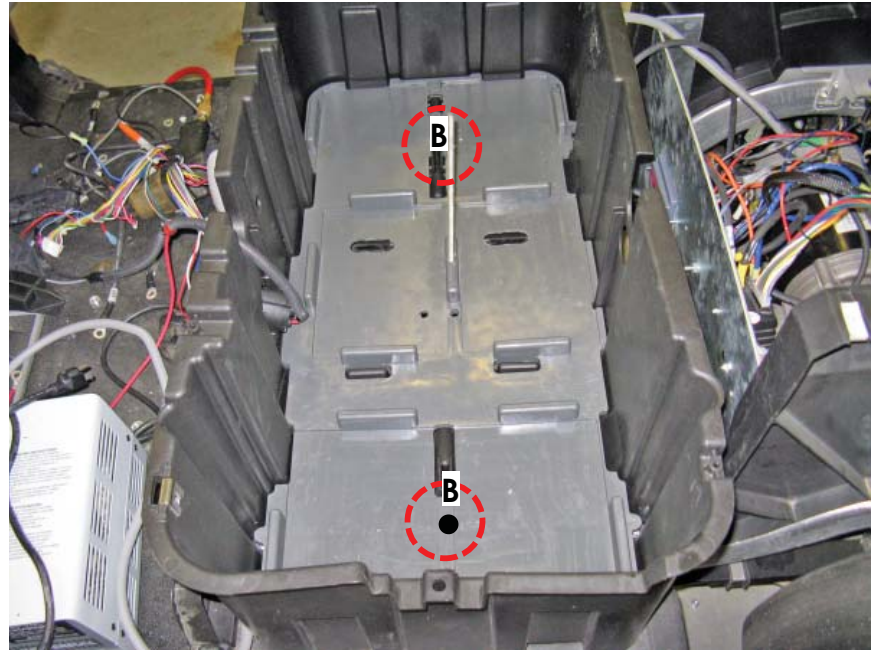


**4) At this point it is advised to remove the rear body and tub assembly for mounting of controller bracket, hold-down holes and wiring. However, if you have a car lift and can work under the car standing up, you can mount the bracket without bucket removal. You can also align and drill/tap hold-down holes as well. However, a 5/16" X 18 long tap will be needed to reach through the bucket and to frame.**





5) Place insert into battery bucket making sure it is level and all X protrusions are removed. Install center j-bolt and cut out a slot underneath the bucket for T part of j-bolt to fit. Lock into place with tape or cut slot to press fit (A).



6) Notice two pre-drilled holes in the insert on each end centered (B). These two holes should line up exactly over the car's I-Beam. Drill a 9/32" hole and tap to 5/16- USS thread. The two j-bolts are threaded to this size for hold-down installation.

Tech Tip: You may want to remove bucket totally after marking frame then drill and tap to make sure of proper alignment.



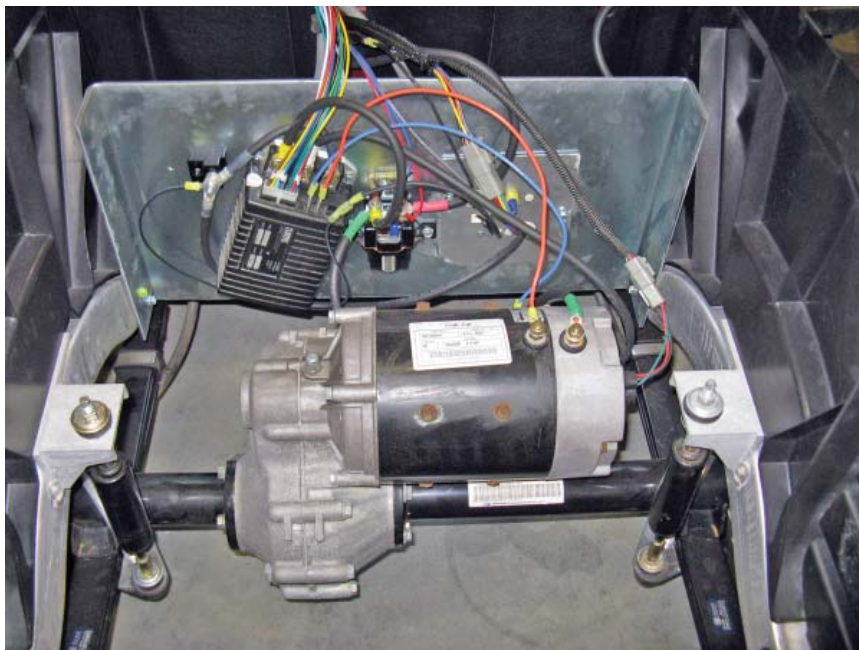
7) Install the metal component mounting bracket next. Place bracket between the car's I-beams right at the lower S bend point. The bracket will tilt back just enough for clearance between bucket and bracket. Do a dry fit first to make sure of fitment and then mark mounting holes. Drill with a 7/32" bit and tap to 1/4"-20 thread.



Tech Note: it is much easier to install with rear body off.

8) Once the bracket is in place mount the control system components in place. There are pre-drilled mounting holes for, controller, solenoid, terminal block, and computer.

**Tech Tip:** Due to some late model computer designs you may need to enlarge mounting hole.



9) Route the wiring adaptors up and over the bracket into battery bucket area. The adaptors are designed to extend the length of wiring to reach the new component locations. Connect the 4 pin programmer lead into the controller (Curtis Brand) and the other end into the existing 4 pin harness. This adaptor is not necessary for other brands of controllers. The adaptor with a male 6 pin Deutsch connector and female Deutsch connector is the computer extension. The adaptor with a 16 pin female to 16 pin male Molex connectors extends the controller connection.

10) Mount the run/tow switch and bracket in the forward center section of the battery bucket. Leave room for the seat down position and battery clearance.







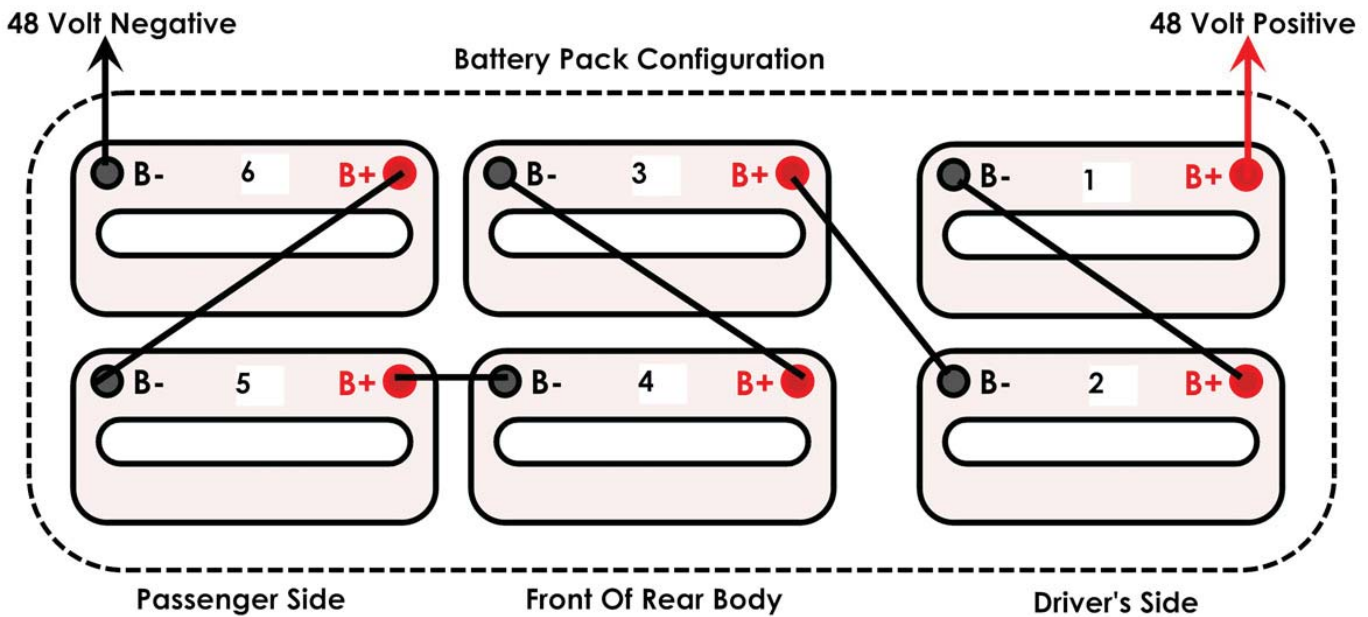
Passenger Side

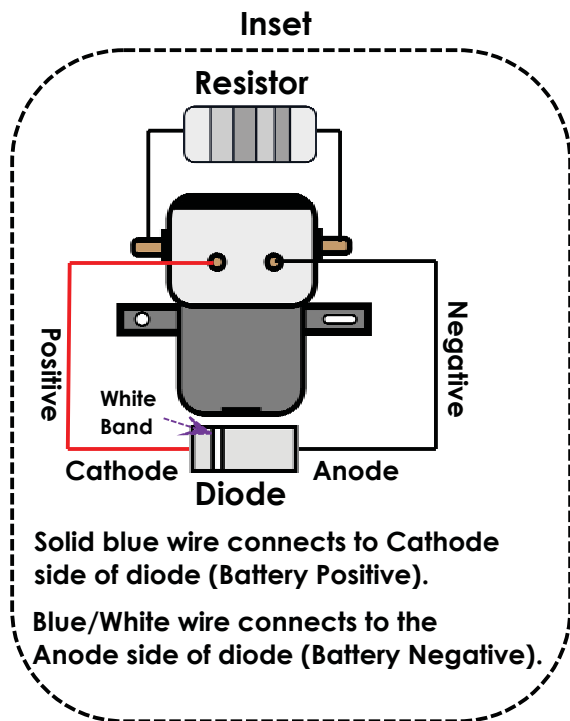
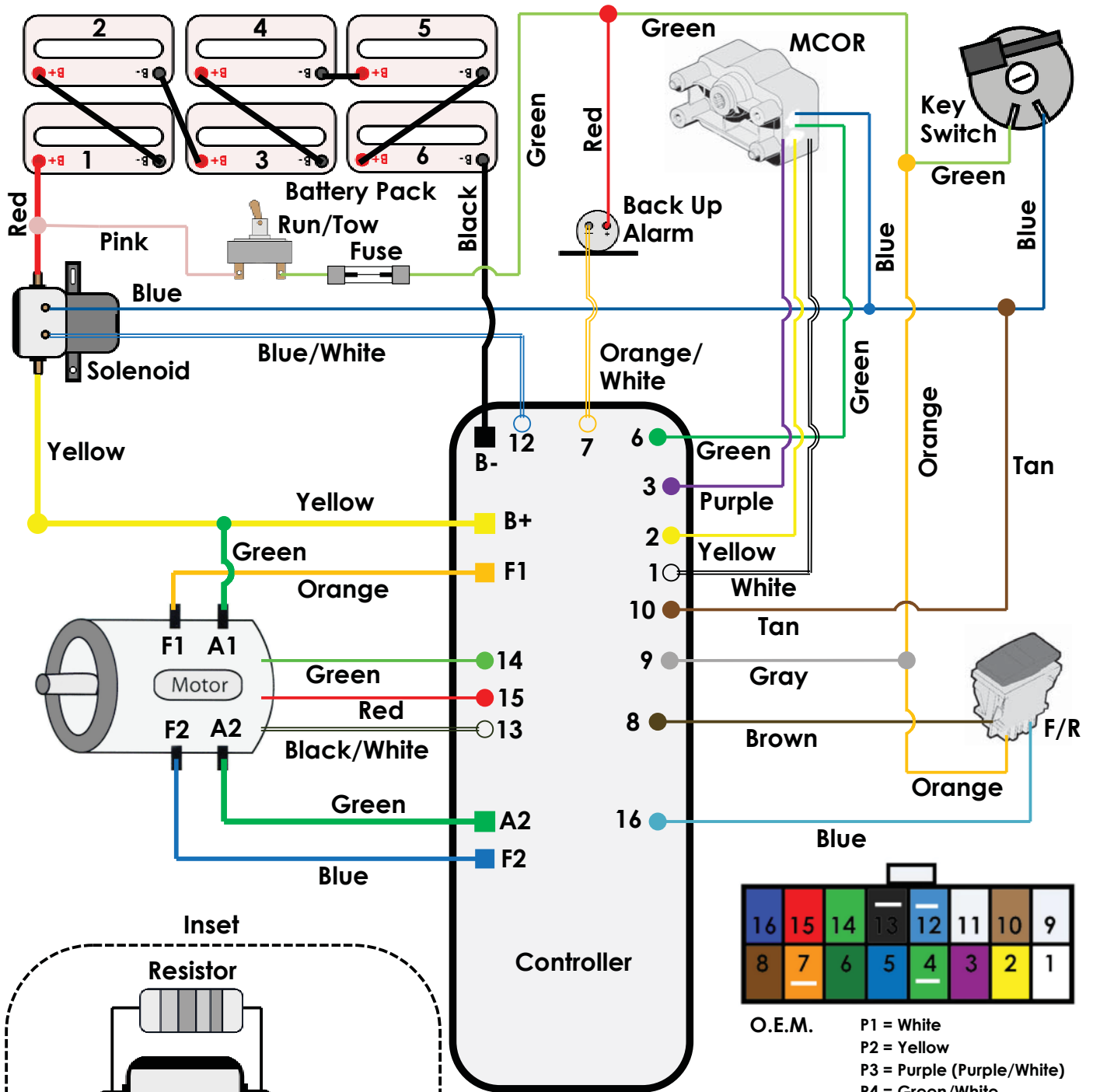
Front

Driver's Side

11) Install the batteries and battery hold-downs. Route all wiring and connect run/tow switch. Install rear body, making sure of no wires being caught or pinched. Secure rear body and connect all cables and wiring. Tie strap loose wiring to prevent wear and movement.

In the event when the seat is lowered and hits on a j-bolt or battery terminal it may be necessary to notch the seat bottom area for clearance.





16 Pin-Out Viewed From Wire Side  
F/R = Forward And Reverse Switch

### Basic Wiring For Precedent Model IQ System (Activation)

16	15	14	13	12	11	10	9
8	7	6	5	4	3	2	1

- O.E.M.
- P1 = White
  - P2 = Yellow
  - P3 = Purple (Purple/White)
  - P4 = Green/White
  - P5 = Blue
  - P6 = Green
  - P7 = Orange/White
  - P8 = Brown
  - P9 = Gray
  - P10 = Tan
  - P11 = Open
  - P12 = Blue/White
  - P13 = Black/White
  - P14 = Green
  - P15 = Red
  - P16 = Blue

# 48 Volt Precedent Computer Wiring

