

# *DIGIPAD II*

## *Power Headrest*



## *Installation Guide*



# Power Headrest Packing List



Power Headrest Actuator



Accessory Kit  
Fab-Lok (4)  
Setscrew (7)  
5/64 Allen Wrench



Installation Manual  
Owner's Manual

Power Headrest-0



Headpad

Power Headrest-1



Single Button Headpad

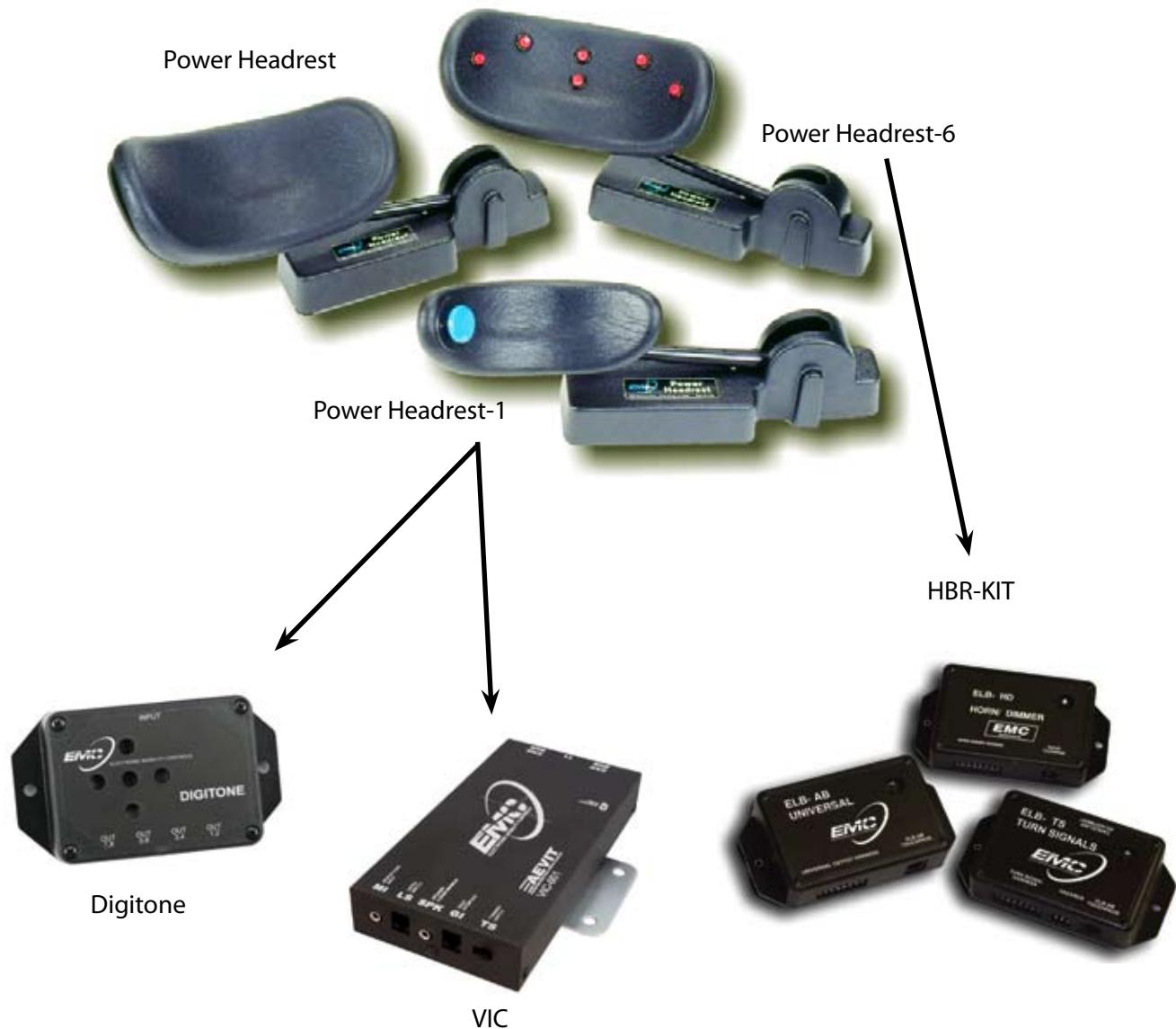
Power Headrest-6



Six Button Headpad

# Overview

The EMC line of Power headrests gives individuals head support along with a variety of switching options when the OEM headrest is removed. EMC offers three (3) types of headrests. The six-button power headrest allows the driver to access up to six (6) different, low-effort switches positioned on the headrest. This is typically used in conjunction with EMC's two (2) button control modules to activate functions such as turn signals, horn, dimmer, wiper low, wiper wash, cruise on, cruise set or any number of auxiliary operations. The single-button power headrest has one (1) switch mounted to the side and is typically used to access either Digitone or Digivoice. The third power headrest option has no switching capability, and is used simply to provide support and comfort to the driver.



# Installation

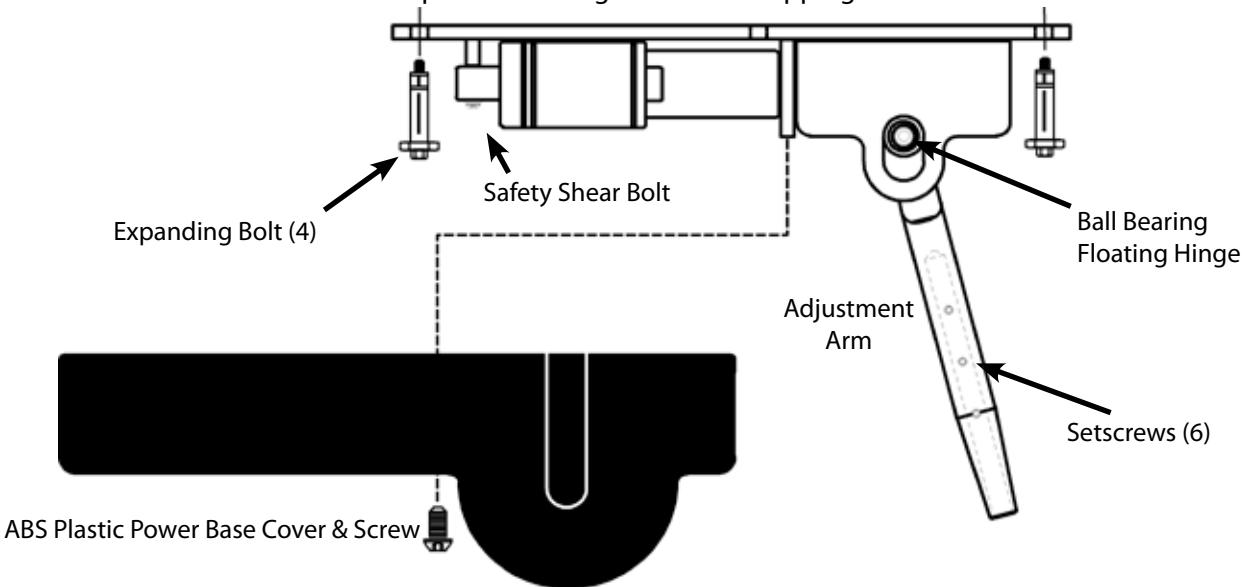
## Preparing the Vehicle

Begin by fitting the driver to the driving compartment which includes installing all tiedown restraint systems. When complete, remove all plastic or metal mouldings around the upper door opening and rearward of the "B" pillar on the side wall header panel. You may have to remove the shoulder strap retaining bolt in order to remove the molding. Do Not mount the Power Headrest Base on top of mouldings for any reason!

## Power Base Fitting & Mounting

When installing the Power Base Unit, position it such that it is behind the driver's head and does not interfere with the seat belt system. Remove the ABS plastic protective cover from the Power Base by removing the #8-32 machine screw as depicted in the diagrams. Once the position is determined, temporarily screw the unit to the header panel with two (2) self-tapping screws. Drill the remaining two (2) mounting hole positions through the header panel using a 5/16" drill. Insert the expanding bolts provided. While holding the bolt with a 5/8" box wrench, tighten the 5/16" bolt head while applying inward pressure against the wall header panel until tight. Remove the temporary self-tapping screws and drill and replace with expanding bolts. All four (4) expanding bolts need to be used when mounting the Power Base to the vehicle!! Replace the protective ABS plastic cover over the Power Base unit and secure with the #8-32 machine screw.

Always remove the plastic header panel molding and mount the Power Base directly to the header sheet metal. NEVER mount the Power Base to plastic moldings or use self-tapping screws.



## Headrest Fitting & Mounting

The Power Base contains a 1-piece Adjustment Arm that receives the ball shaft of the molded headrest pad. The length of the ball shaft is such that it allows for linear and rotational adjustment to fit most drivers. Make certain that all six (6) setscrews lock against the shaft to prevent unwanted movement.

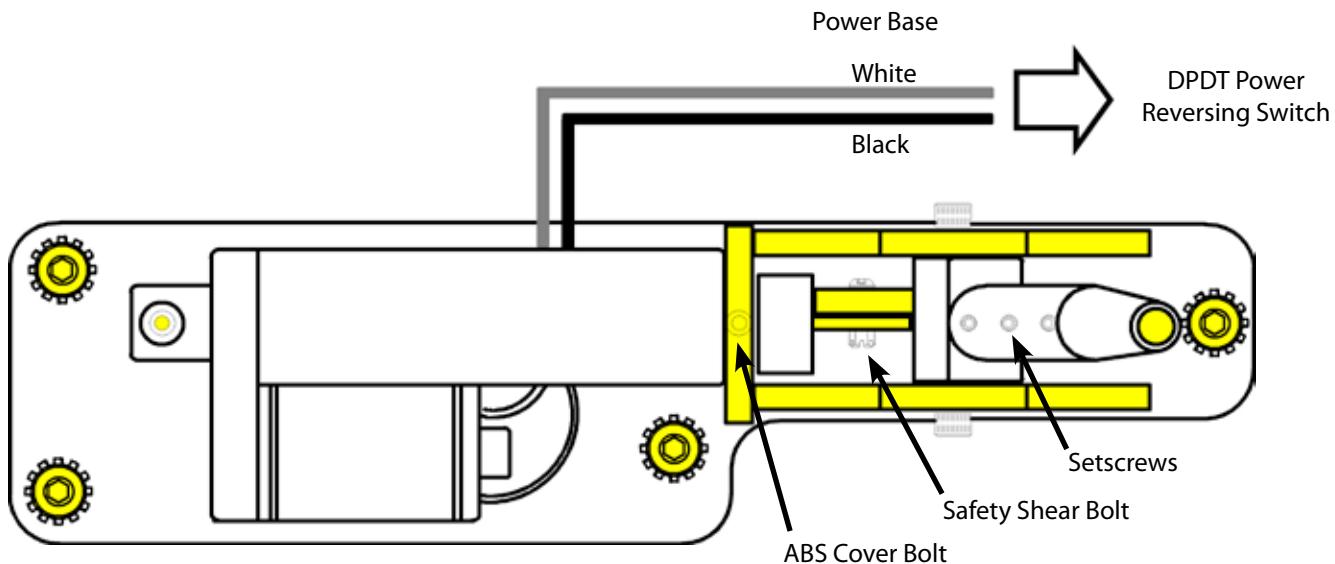
This headrest rotates 90 degrees but requires no lubrication. When installing the pad on a Power Headrest-1 or -6, make sure that the telco cable does not interfere with the rotational motion of the adjustment arm.

To install the headrest, slide the Headrest stainless steel Ball Shaft into the adjustment arm receiver of the Power Base and tighten the six (6) setscrews to lock in position. Rotate the Headrest pad to the desired angle and securely tighten the three (3) socket head attachment bolts to lock into position. Do not remove the molded plastic shell on the back of the Headrest Pad! Once final positioning is determined, go back and check all setscrews and securing bolts for tightness. This unit will only perform well if installed properly. Make sure there is no binding!

## Power Base Electrical Wiring

The actuator is a DPDT (polarity reversing) type and will require that it be connected to a DPDT circuit or to a DPDT toggle switch which will reverse the polarity to the Power Base actuator. If a toggle switch is used, locate it in a place that will not be accidentally activated while driving.

If you use this unit in conjunction with a Digipad II Gold Series or Econo Series, the Power Headrest can be operated from one (1) of the auxiliary function. Refer to the auxiliary wiring section of your Digipad II console installation manual for details.



## Operation

### Power Headrest-1

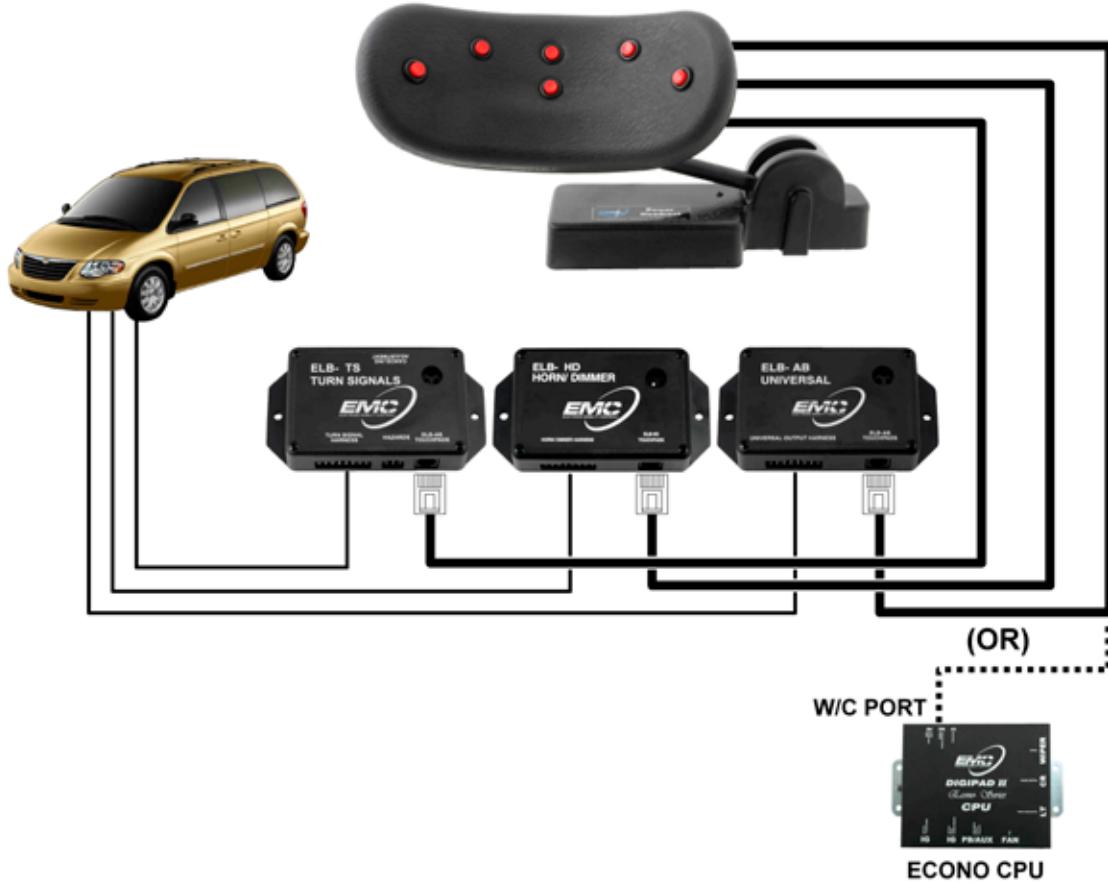
The Power Headrest-1 comes with a six (6) conductor telco plug. The telco plug is used to access Digivoice or a Stand-alone Digitone system.



## Power Headrest-6

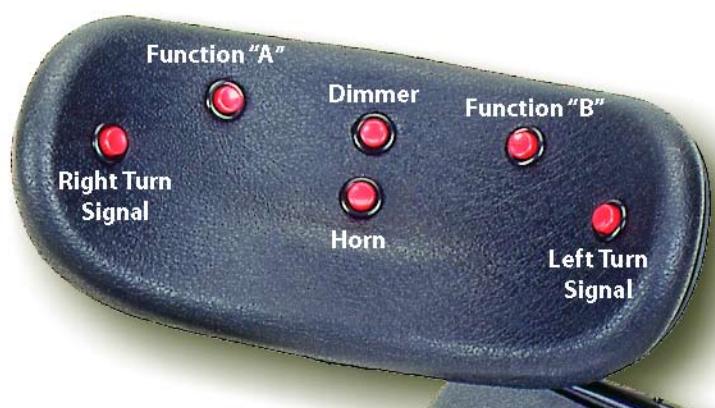
Before you wire the headrest, first follow the instructions included with the ELB Control Modules to install the harnesses directly to the vehicle. Then, simply plug the telco cables from the Power Headrest into the appropriate ELB Control Module. The switches on the Power Headrest-6 are not labeled, therefore, you can connect to any control module. This allows some flexibility as to which switches will activate each function.

If the Power Headrest-6 is being installed in conjunction with the Digipad-II Econo Series console it can be used to remotely operate the Wipers and Cruise functions without the need for a ELB Control Module. All you need to do is connect the telco cable from the Power Headrest into the Econo Series WC port on the CPU. Now the Function A & B buttons will operate all of the Wipers and Cruise functions.



## Power Headrest-6 Operation

The diagram shows which secondary control will be activated when the switch is depressed with your head. A gentle touch is all that is required to operate the low-effort, momentary switches.



# LIMITED WARRANTY

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ELECTRONIC MOBILITY CONTROLS, LLC ("EMC") warrants the product against defects in materials or workmanship only as set forth below.

## WARRANTY PERIOD

### AEVIT 2.0

For a period of 5 years, 2,500 hours of operation or 60,000 vehicle miles (whichever comes first) from the date of delivery to the original consumer, as verified by the NMEDA/RADCO Label, EMC will repair or replace, at its option, any of the following components found to be defective in materials or workmanship:

- Servomotor(s), Display, Input Device(s), Vehicle Interface Module, Drive Module(s), Control Module, Chassis, Transmission Actuator and External Modules.

## SERVICE LIFE

EMC has defined that the service life for this equipment is 12 years/6000 hours of operation/150,000 vehicle miles (whichever comes first). After that date, EMC will no longer service the equipment. EMC will inspect the system and provide a quote on the cost (paid by the consumer) to replace certain components. Once those components are replaced, the service life will be extended by 2 years/1000 hours of operation/24,000 vehicle miles (whichever comes first).

## WHAT IS NOT COVERED

EMC is responsible ONLY for repair or replacement of the covered product, at EMC's option, by EMC, and is NOT responsible for any incidental costs or expenses incurred as a result of any defect in any EMC product. Items not covered by this warranty:

- Cost (including parts and labor) of: transporting your vehicle to an EMC Certified Dealer or Service Center, removing the product from your vehicle, shipping the product to EMC or reinstallation of the product in your vehicle.
- Cost (including parts and labor) of: roadside assistance, towing, replacement vehicles, and/or alternate transportation.
- Malfunction or damage caused by fire, accident, misuse, abuse, lack of proper maintenance, neglect, improper installation, improper adjustment, unauthorized modifications or alterations, repairs or attempted repairs by unauthorized persons, maintenance by unauthorized persons, the mechanical condition of your vehicle, road hazards, failure to follow operating instructions, and/or act of God or Nature (i.e., weather, lightning, floods, etc.).
- Normal wear and tear, including deterioration of trim and other appearance items from use or exposure to sunlight.

## PURCHASER DUTIES

Purchaser must maintain and service the product and comply with all cautions, precautions and warnings as set forth in the AEVIT Owner's Manuals. This warranty is void if the service schedule, cautions, precautions or warnings are not followed.

## HOW TO OBTAIN WARRANTY PERFORMANCE

Transport the vehicle in which the product is installed to the nearest EMC Certified Dealer or Service Center. To find the location of the nearest EMC Certified Dealer or Service Center, please contact EMC's Customer Service Department at (207) 512-8009. The EMC Certified Dealer or Service Center must then contact EMC to obtain Return Authorization before removing the product or component from your vehicle. Once EMC has issued Return Authorization, an EMC Certified Technician must remove the product or component from your vehicle and ship it to EMC at your expense. EMC will not accept the return of any product or component unless EMC has issued prior Return Authorization.

To be effective, EMC or an authorized dealer must receive notice of any claimed defect within the applicable warranty period.

## EXCLUSION OF CERTAIN DAMAGES

EMC'S LIABILITY FOR ANY DEFECTIVE PRODUCT OR COMPONENT IS LIMITED TO THE REPAIR OR REPLACEMENT OF SAID PRODUCT OR COMPONENT, AT OUR OPTION, AND SHALL NOT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty extends only to the original retail purchaser from the date of the initial retail purchase and is not transferable.

No EMC dealer or any other person is authorized to make any warranties other than those set forth in this limited warranty or to extend the duration of any warranties beyond the time periods set forth in this limited warranty on behalf of EMC.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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