

# STEERING WHEEL CONTROL ENQUIRIES.

## Troubleshooting: What to ask?

### -What vehicle is it being installed into and what model harness do you have?

Make sure that the customer has the correct harness for the vehicle. Year, Make, Model, series etc.

### -Does the harness plug suit the factory vehicle plug?

Make sure our harness plug matches up to the vehicles OEM radio plug

Many customers think they can cut the plug from a CHVTVXA and will work in a Holden VY/VZ.

NOTE: If the plug does not suit, the harness is not suited for the vehicle and will not work.

### Does the customer have a patch lead?

As strange as this sounds, there has been customers that do not know that a patch lead is required.

### -If all above is correct get installer to check the following:

Check the positive and ground wires of the SWC harness. Sometimes the vehicle can have the earth wire in the original plug but not connected. This is common in Mitsubishi, Nissan and some Hondas.

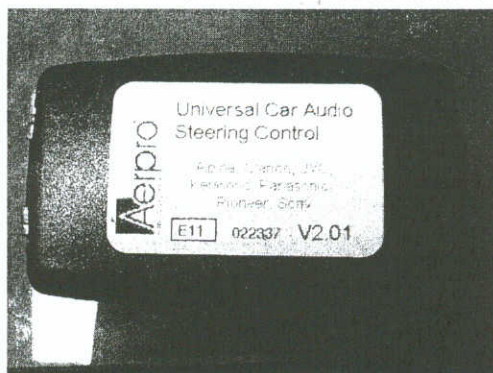
-If the customer has no response from head unit, try unplugging the harness and reconnecting it to the vehicle. Sometimes it can take a while to recognise the vehicle, especially 'C' Type harnesses.

-On the rare occasion it is possible that it can be a faulty module. FOR C type harnesses the blue modules are interchangeable. For 'A' Type harnesses there are two types of modules.

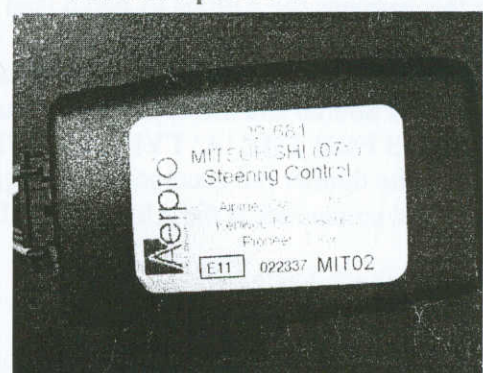
Modules that have **universal car audio steering control** can switch between harnesses.

Modules that are specific as per right picture can not be switched. They are specific to the harnesses being installed. If the customer has one of these they will need to order a new harness in if they do not have the same harness in stock.

How to tell between A Type Harnesses



Module Specific to Vehicle



## ALWAYS ASK AS MANY QUESTIONS AS YOU CAN ABOUT THE VEHICLE.

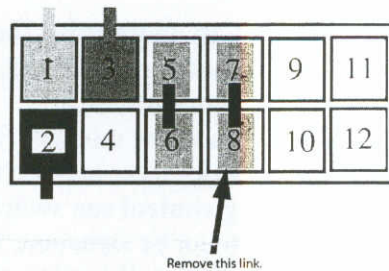
Make, model, year, series etc. the more information you have about the vehicle the easier it will be to find a solution from our suppliers. It is also handy to get the customers to email some pictures of the dash, plug and factory radio. This all helps if something is incorrect or if we are trying to find a solution from our suppliers that we don't currently stock.

## COMMON SWC ISSUES.

### THE PIONEER ISSUE:

Pioneer head units can have different rest voltage for the steering wheel control input. This can cause the steering wheel controls to function incorrectly. There are Two Solutions available. Please see below:

1. If you have purchased the APPIOA and the steering wheel controls are not functioning correctly, you will need to remove the link between pins 7 & 8 (see Fig 1 below). Link can be removed by de-pinning the block using a small screw driver. Once link is removed from patch lead, disconnect power from steering wheel control module for 30 seconds so the Module will recognise the change to the patch lead.
2. If option 1 does not correct the problem, you will need to purchase the APPISOA. The APPISOA will suit both Pioneer and Sony head units. The APPISOA has an inline PCB which automatically detects which brand unit is being installed and adjusts programming to suit the aftermarket unit .



### SONY ISSUES:

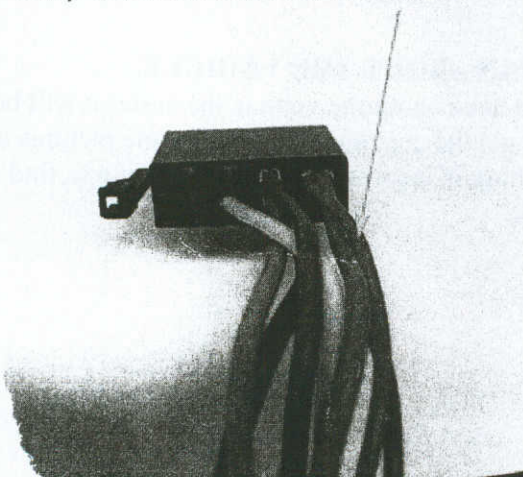
-The odd occasion when a customer is installing a **SONY** it can function incorrectly like pioneer. If this happens the APPISOA patch lead is required.

-Recently I have had a couple of the new Sony DVD screens, when the vehicle is turned off it switches Source and therefore when you return to the car it will not be on the same source.

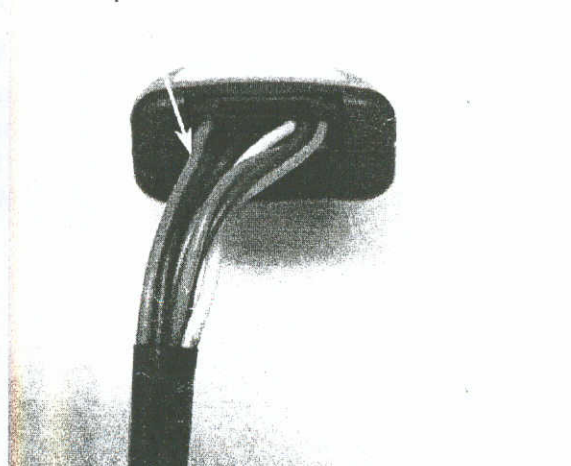
#### **THIS IS FOR THE 'A' TYPE HARNESSSES ONLY.**

**FIX:** The thinner red accessories wire going to the SWC module needs to be cut from the ISO Plug end and connected to the AMP REMOTE trigger of sony head unit.

cut here and connect to  
amp turn on wire on headunit



this is red wire going to SWC Module.  
Follow this wire back to ISO plug and  
cut as per instruction on Pic 1



### CHAU23A SEEK FAULT:

A small batch of the CHAU23A had incorrect programming on the Seek Button.

**Fault:** when seek button is pressed, it would go backwards, not forwards as per Factory function.

**Solution:** Get customer to check software version (printed on label of black module) It should read Version 2.04. Customer needs to swap black module with a Version 2.11 or higher 'A' Type module. All current stock of CHAU23A has new software.

### CONVERTING A CHVTVXA INTO A CHLVTXVA

Calais, Statesman, caprice and Monaros with maestro sound systems have two plugs in the factory radio. One is the standard VT/VX plug and the other has the SWC signal wires in. in that plug there is a brown wire and a black/white trace wire. These are your SWC signal wires.

In the CHVTVXA harness there is a thin white wire. This is the SWC signal wire. Cut/de-pin from plug and connect white wire to Brown wire of the vehicle in the second factory plug. Ground the Black/white trace wire (second factory plug) and harness will work as per CHLVTXVA. *Yellow*

### BLUETOOTH BUTTON ON STEERING WHEEL.

For A type harnesses iPhone button function only available for Kenwood, Pioneer, Sony  
The reasons for this is that the head-unit manufacturers have not until recently added the PHONE command on the SWC bus... so for example CLARION does not have the command on the radio yet. ALPINE, JVC will be added soon.

### PIONEER: Controlling Radio station presets via Seek up/Seek down buttons on SW buttons

Once the Radio Station presets have been programmed in on the aftermarket headunit. Most steering wheels have seek up and seek down buttons, pressing these buttons will not change through the presets on pioneer units. It will go to the Manual tuning mode. This is in the Pioneer head units and the way it reads the commands. Not in the programming of the harness.

### PHILIPS PATCH LEADS:

for the new range of Philips units have a OE remote input wire. We currently do not have a patch lead available. It is under development with no ETA> it may take a while to get this underway as it is a new code and some of our current stock may not be updated for this. Customers can also use the APUIR.

### PURPLE WIRE ON 'A' HARNESSES:

The purple wire with ring terminal is an extra ground for the module. It's found on most 'A' Type harnesses.

These SWC's are voltage dependant, if vehicle does not have a good earth it can effect the way the SWC module operates. It is not requirement to connect it on most newer vehicles, but will not effect the harness or head unit if it is connected.

**THE DIFFERENCE BETWEEN APUIR AND ASWC:**

There is still a bit of confusion with our customers regarding these two products. Please see the differences below:

- ASWC is for aftermarket head units with Wired SWC input.
- APUIR is for aftermarket head units with no Wired input and learns of the Aftermarket head unit remote control.

**ASWC EXTRA INFORMATION**

ASWC is the universal wired input SW module. Below I have given some colour combinations not listed in the manual. Once wires are connected the module will need to be manually programmed as per Instruction manual.

please see wiring configuration for following models:

**VT/VX (standard)**

**Vehicle wires:**  
Brown connect to **ASWC Wires:**  
White/green trace

**VT/VX Luxury Models:**

**Vehicle wires:**  
Brown connect to **ASWC Wires:**  
White/green trace  
Black/white trace connect to Grey/red trace

*Common*

**VY/VZ:**

**Vehicle wires:**  
Brown connect to **ASWC Wires:**  
White/Green Trace  
Black/Yellow trace connect to Grey/Red Trace

*Ground → = AJ to Det to t*

**Ford AU Series 1:**

**Vehicle wires:**  
Red/White trace connect to **ASWC Wires:**  
Grey/Red trace

**Ford AU series 2:**

**Vehicle wires:**  
no confirmed configuration as yet.

**ASWC Wires:**

*Should have the Ant wire loose.*

**Ford BA/BF and Territory:**

**Vehicle wires:**  
Red/white trace connect to  
(found under steering column)

**ASWC Wires:**  
White/green trace.

*manual Program*

**NOTE: This wire is to be spliced, DO NOT CUT. This will stop the overspeed function from working.**

*Sony → - cutted wire from steering*

*Hook it up to Amp remote.*

*Reds/Blue in betwe Grey/Black OR Grey/Black*