Aerpro
First Choice

FP9750

USER/INSTALLATION MANUAL

INSTALL KIT

TO SUIT **FALCON**

BA-BF

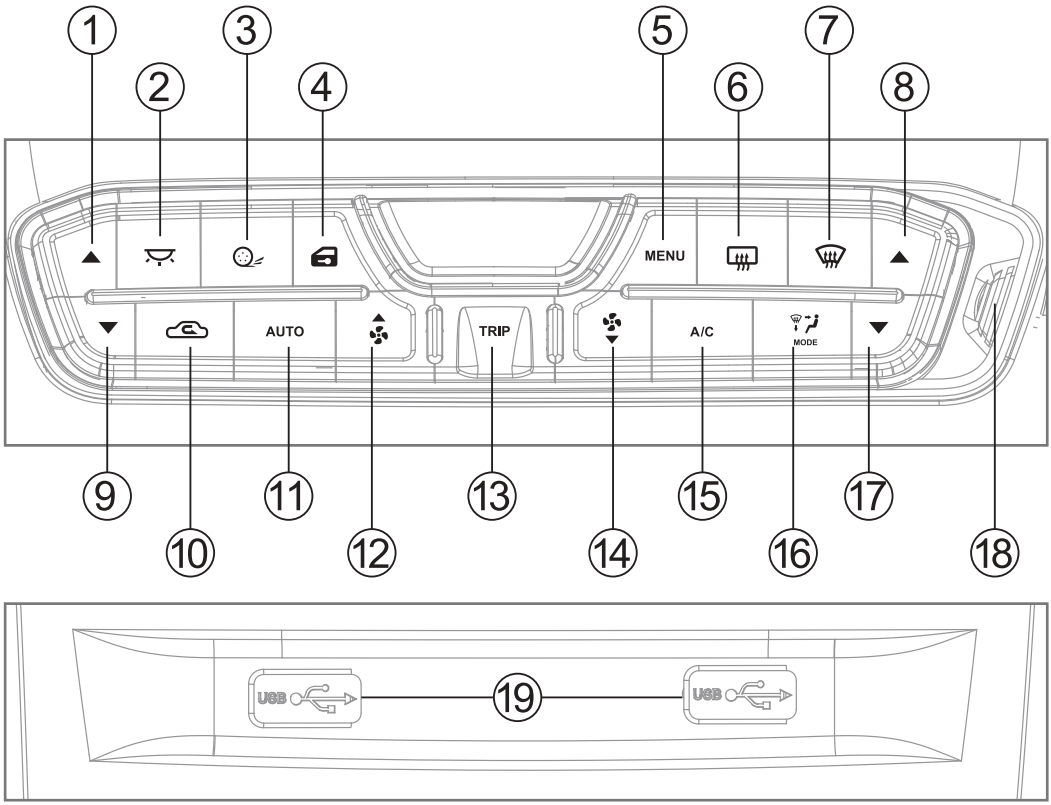
& TERRITORY

SX-SY

Inclusions

1 x Double DIN facia kit
1 x Built-in HVAC and steering wheel control unit
1 x Main wiring harness
1 x Universal SWC patch lead
1 x Video in/out lead
1 x Mounting kit
4 x M6 Bolts
1 x User/Install manual

Product Structure

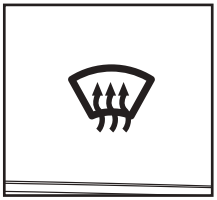


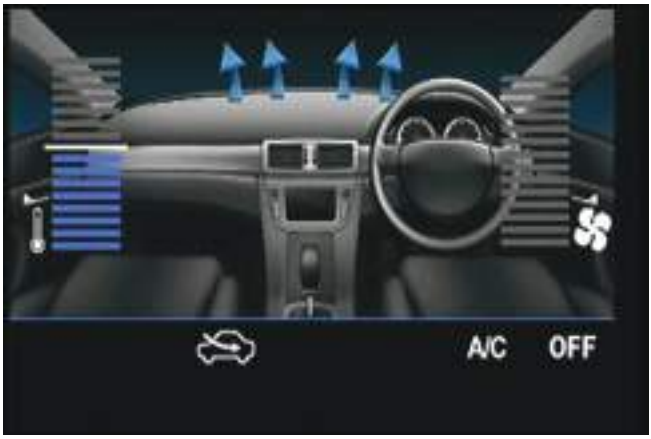
1. Temperature UP (Passenger side)
2. Interior light
3. Traction control
4. Auto door lock
5. System menu
6. Rear demister
7. Front demister
8. Temperature UP (Drivers side)
9. Temperature DOWN (Passenger side)
10. Air circulation
11. Auto climate control (Dual Zone)
12. Fan speed UP/ Menu Navigation
13. Trip computer
14. Fan speed DOWN/ Menu Navigation
15. Air conditioner ON/OFF
16. Mode
17. Temperature DOWN (Drivers side)
18. Temperature Sensor
19. USB passthrough (headunit dependant)

Interface Functions

Front Demister

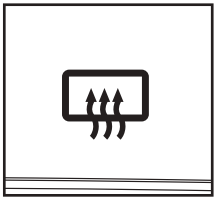
Fresh air is blown through the heater core and then ducted to and distributed over the interior surface of the vehicles windshield





Rear Demister

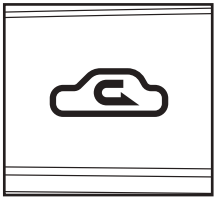
The demister clears condensation from the rear back glass

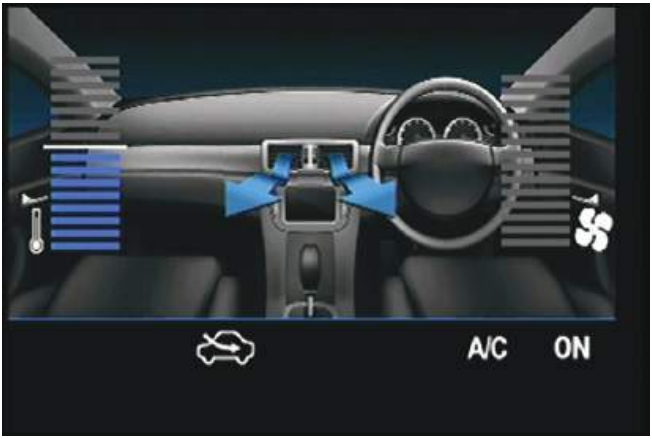


Interface Functions

Air Circulation Mode

Changes between fresh air drawn in directly from the outside of the vehicle, or recirculation where the air is drawn from inside the cabin

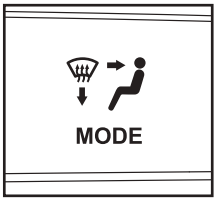




Interface Functions

Mode

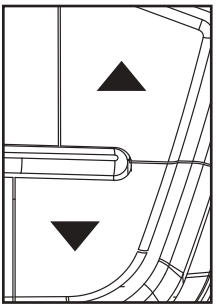
Changes the vent positions for heating and cooling

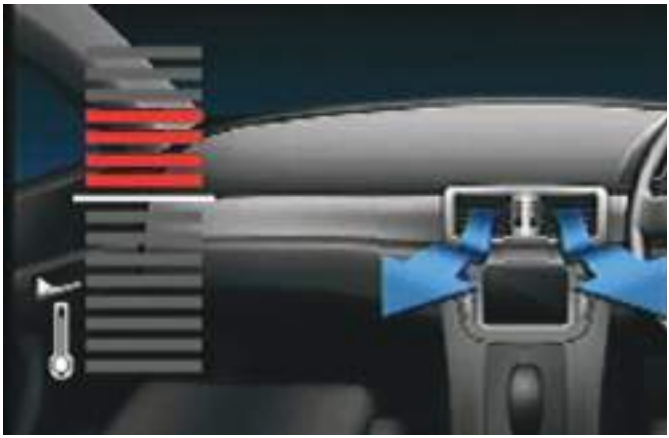


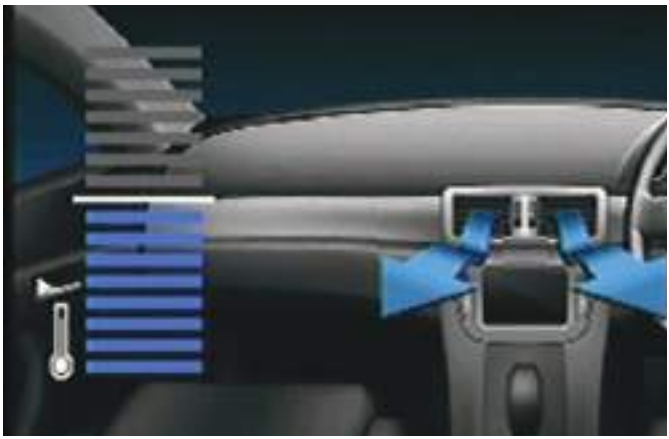
Interface Functions

Heating & Cooling Temperature

Press up to increase temperature, press down to decrease temperature. Left hand side buttons adjust passenger side (Front & Rear). Right hand side buttons adjust drivers side (Front & Rear) temperature settings.



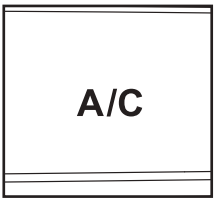




Interface Functions

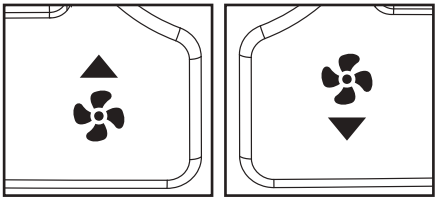
Air conditioning On or Off

Press to turn the air conditioning On/Off or vice versa. This can be changed and reversed in the setup menu. *Note: Holding down the A/C button completely turns the A/C heating and cooling system off on Dual Zone models.*



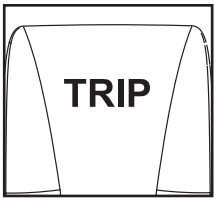
Fan Speed Adjustment

Pressing these will turn the fan speed up and down. **Note:** *with the A/C on and fan speed set to zero, there still will be a small amount of cold air pushed out through the vents.*

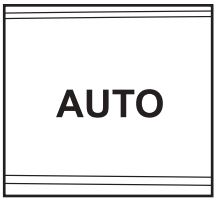


Interface Functions

Trip Computer
This displays information relating to Average speed, Average fuel use, Trip time and remaining fuel in kilometres. *Note: Trip button only works when not in the climate control display or settings menu.*

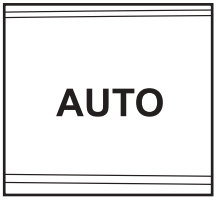


Auto Function
Press to automatically control the climate control to a specified temperature. *Note: This will only work on Dual Zone models.*



Interface Functions

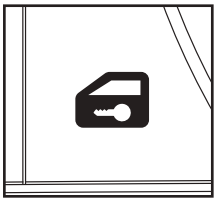
Auto Function (Semi Auto)
Press to manually control the climate control to a desired temperature.
Note: This will only work on Dual Zone models.



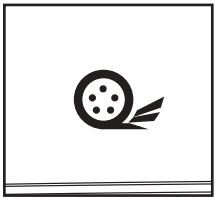
Press again to turn the climate control off.

Interface Functions

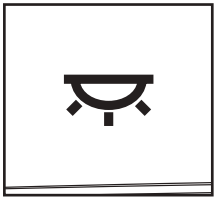
Auto Door Lock
Press to lock and unlock all doors in the vehicle



Traction Control
Press to turn vehicles traction control on or off
Note: Only works on supported models prior to upgrade



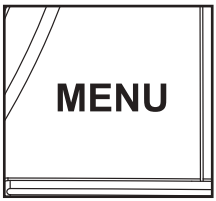
Interior Light
Press to turn the vehicles factory interior light on or off



Menu Functions

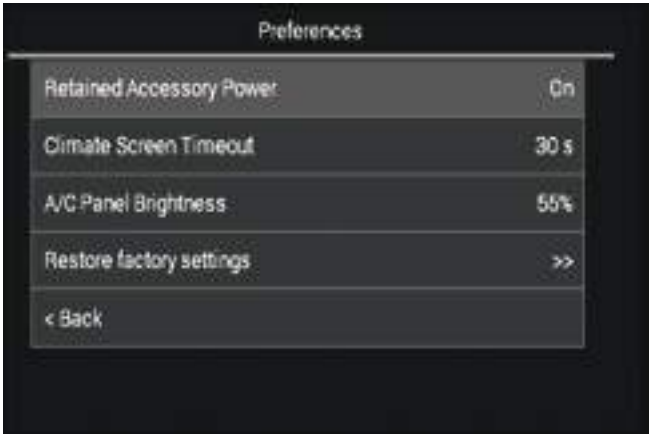
Configuration Menu

Press and hold the menu button for a few seconds to display the Configuration Menu. Press menu button to enter into sub menus and again to change settings. Press the Fan UP/DOWN buttons to navigate up and down between sub menus.



Menu Functions

Select Infoadapter settings/preferences to access (4 menus)



Retained Accessory Power
Controls what the headunit does after the vehicle is turned off. When Off is selected the headunit will turn off when the key is taken out of the ignition. When ON is selected the headunit will turn off when the key is taken out of the ignition and the drivers door is opened.

Climate Screen Timeout
Adjust the time it takes the Infoadapter screen to return to the Headunit Screen

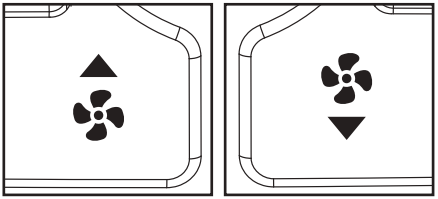
A/C Panel Brightness
Adjust the brightness of the LED's on the Infoadapter

Restore Factory Settings
Restore all factory settings to default

Menu Functions

Installer Menu

When in the configuration menu, press and hold the fan UP/DOWN buttons at the same time to access the installer menu

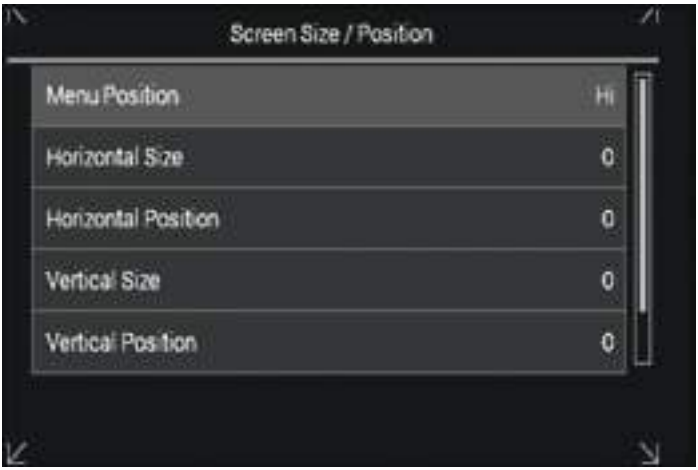


Air Conditioner Type

Choose between a single or dual climate system. *Note: Dual climate systems can run as a single zone system. Changing between single and dual zone type will change and auto correct the Invert AC Button setting. This can also be manually changed*

Menu Functions

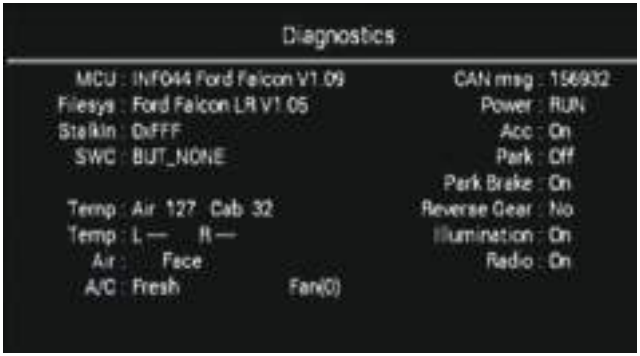
Screen Size/ Position
Allows the user to change the Infoadapter screen to fit to your headunits display



Camera Connected
Turns the reverse camera function On or Off if the vehicle has a factory reverse camera

Invert AC Button
This inverts the AC toggle. If you can still feel cold air coming out of your vents when AC is off, change this option

Diagnostics
Information on system



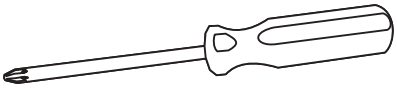
INSTALLATION

Tools Needed

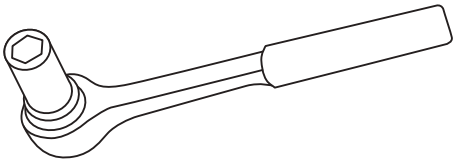
Use the following tools to make dismantling the car and the installation of the new facia easier

1. Panel Remover

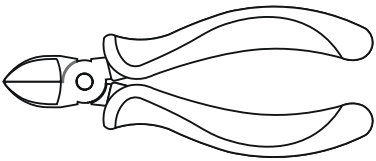
2. Phillips Head Screwdriver



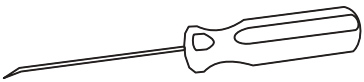
3. 8 mm Ratchet



4. Side Cutters

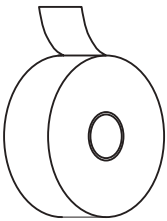


5. Small Pick



6. Cable Ties

7. Electrical Tape



Centre Console Disassembly

Removing gear shift trim (Auto)
Shift the gear stick down to the “D” drive position

Lift the front of the panel then pull the panel up to completely remove

Side Panel Disassembly

Removing side trim

Undo the screw then lift up from the bottom and pull down from the top to remove the left side panel

Repeat to remove the right side panel

Pocket Disassembly

Removing tissue box and power socket
Remove the 2 screws holding the tissue box in place

Pull out the tissue box, disconnect the power harness from the socket and put the tissue box aside

Top Panel Disassembly

Removing top panel trim
Remove the top panel by **CAREFULLY** prying the edges away from the dash.
Note: *Age and sun damage can make this panel brittle and can break easily*

Remove the top panel and put it aside. Remove the screw at the top holding the factory unit in place and put aside

Headunit Removal

Removing factory headunit face plate
Remove the 2 x 8 mm bolts from the left side of the factory unit.

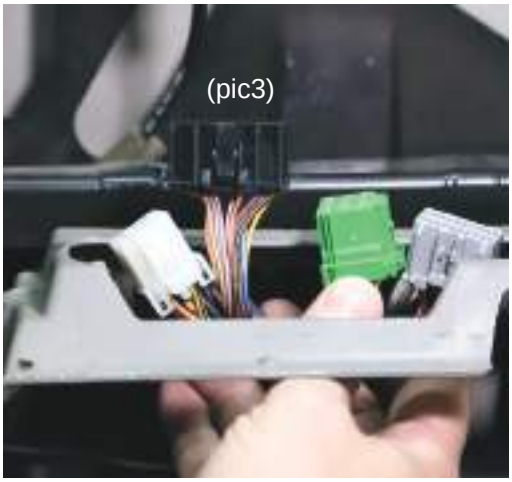
Remove the 2 x 8 mm bolts from the right side of the factory unit

Headunit Removal

Pull the unit away from the dash until it is loose (pic1) and unplug the 4 connectors and the antenna connector from beneath the factory unit (pic2-3). Remove the factory unit and place it on a bench.

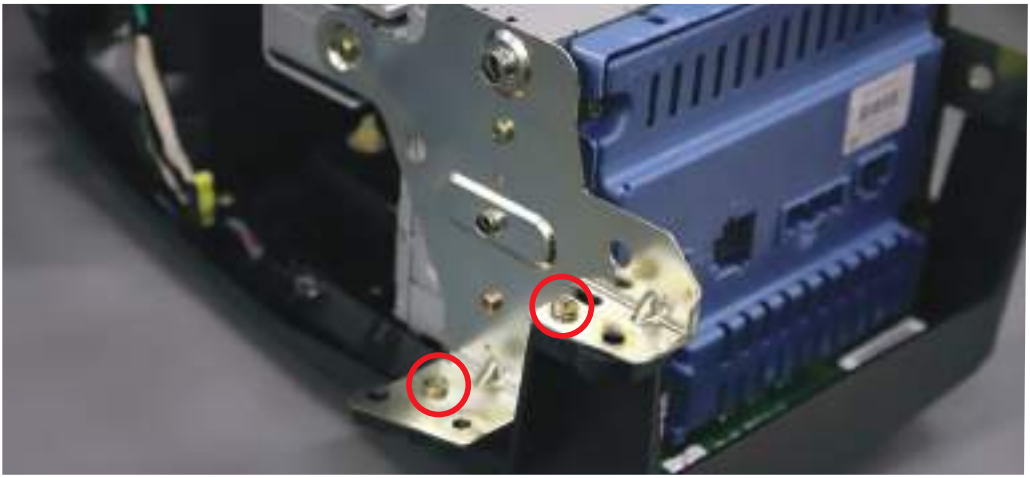
(pic1)

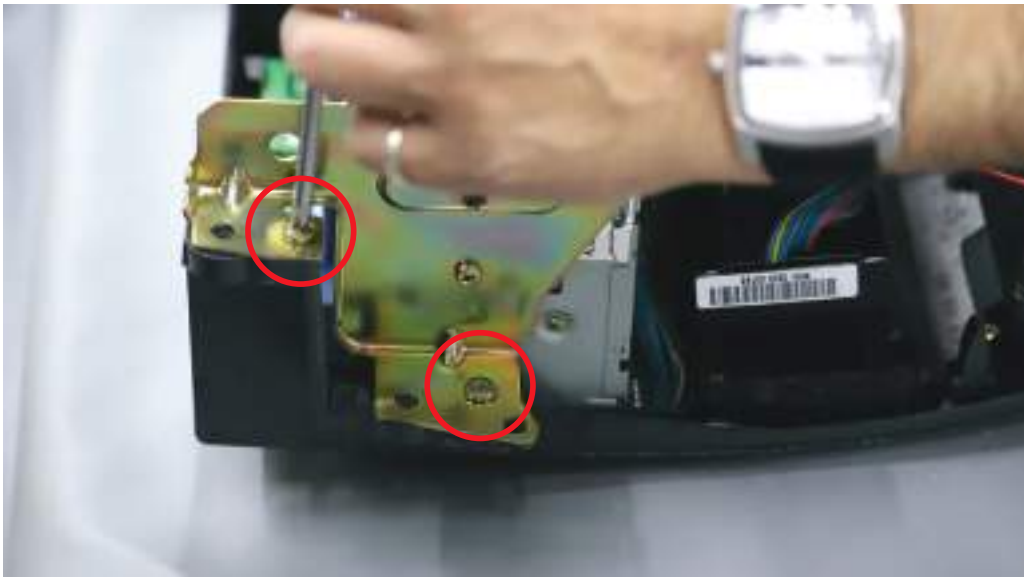
(pic2)


(pic3)

Headunit Disassembly

Remove the 4 x screws from both the left and right factory brackets

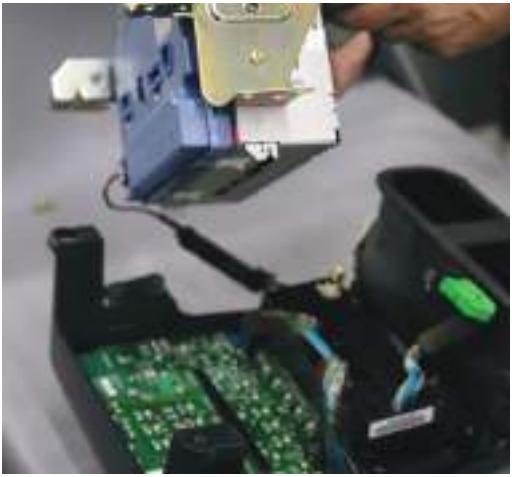




Headunit Disassembly

Remove the green plug and unscrew the earth strap

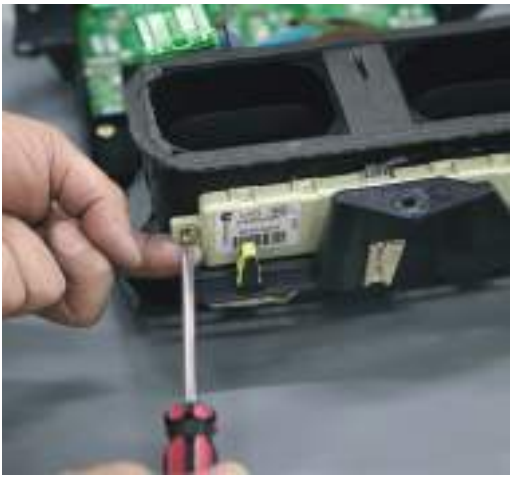
Remove the factory unit from the plastic



Module Disassembly

Removing The FOB Transceiver Module

Remove the 2 screws from the transceiver, remove and put it aside



Vent Disassembly

Removing The Vent From Factory Facia

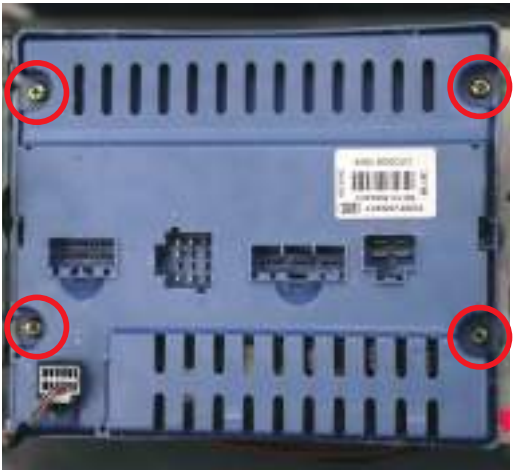
Remove the 3 screws holding the vent in place, remove it and put it aside

Mounting Clip Removal

Remove the 4 yellow retaining clips from the factory plastics. These are to be reused on the aftermarket plastics

Control Module Removal

Remove 4 screws from Body Control Module (blue plastic module). Discard and use supplied 4 x M6 bolts when remounting

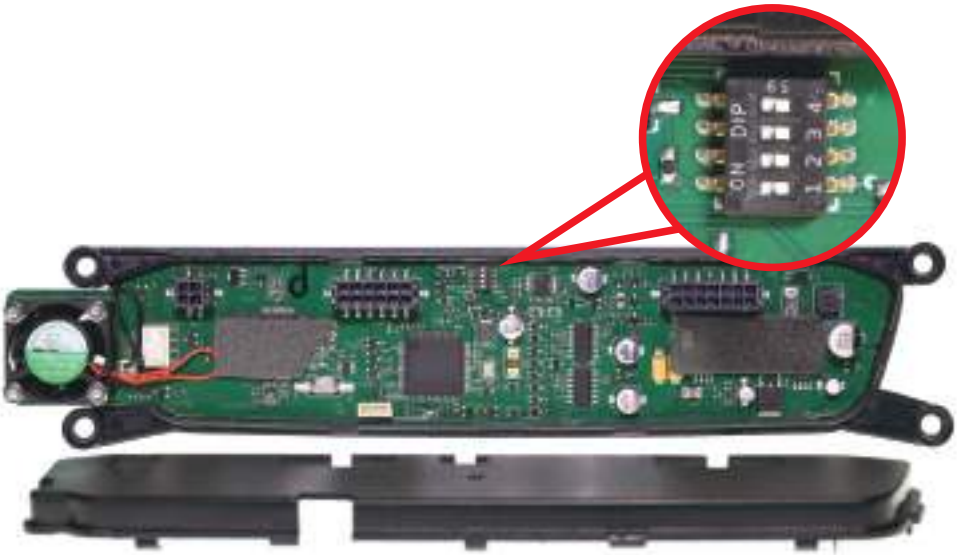


Changing The Dip Switch

DIP switches can be changed to match the headunit and rear camera being used with this installation kit. Make these changes before installing the kit. Check the video and steering wheel control requirements for your devices.

Step1. Carefully remove the back cover from the infoadapter

Step2. Using a pick tool, flick the switches to the required setting



Dip Switch Settings

Up = On, Down = Off

1: On = Pioneer head units. Off = All other head units
2: Setting for reverse camera. On = PAL, Off = NTSC. The default setting is Off (NTSC).
3: Resets the display settings back to default. If the display settings have been manipulated in a way that it is no longer possible to make adjustments, change the DIP switch #3 from Off to On and back. This will reset the screen settings to the factory defaults. During this procedure the screen background will change to red. While the background is red, no settings can be made.
4: Not applicable

Vent Assembly

Reattaching Factory Vent To New Facia

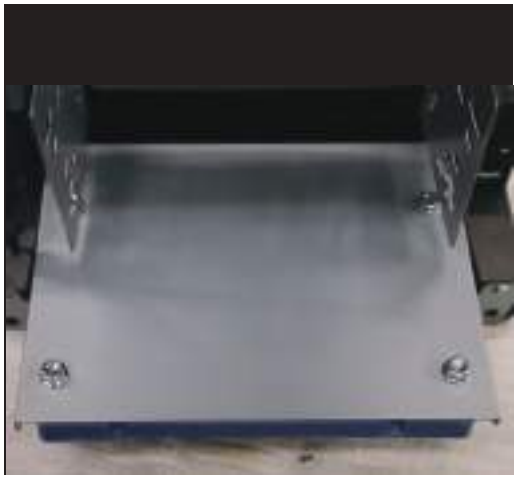
Place the new plastics on a soft surface and turn it over so it is lying face down

Line up the vent to the new plastics and attach it using the 3 screws taken out earlier

Vent Assembly

Reattaching FOB Transceiver Module
Mount the module back onto the vents

Reattaching Body Control Module
Mount the blue Body Control Module to the metal bracket on new plastics using the 4 M6 bolts provided and connect the lead from the FOB Transceiver Module

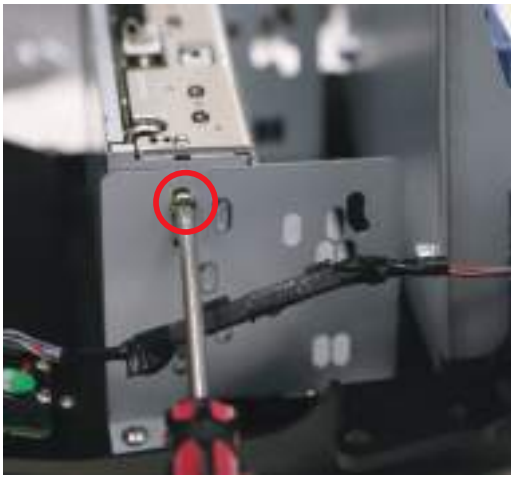


Body Control Module Mounting

Note: Before going further, it is a good idea to check that the Body Control Module retaining bracket is fitted correctly. If the mounting bracket is the wrong way around, the body control module will not fit in the correct way… Make sure that the bracket is fitted as shown below

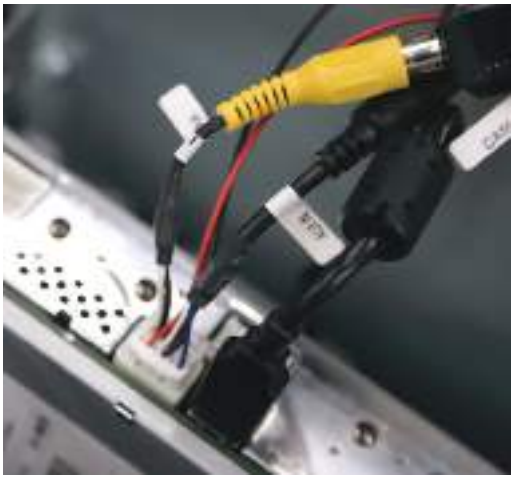
Mounting Aftermarket Headunit

Mount the aftermarket head-unit to the mounting brackets. Leave the screws a little bit loose to allow adjustment of the screen to the desired depth. Tighten the screws



Connecting USB Pass Through & Reverse Camera

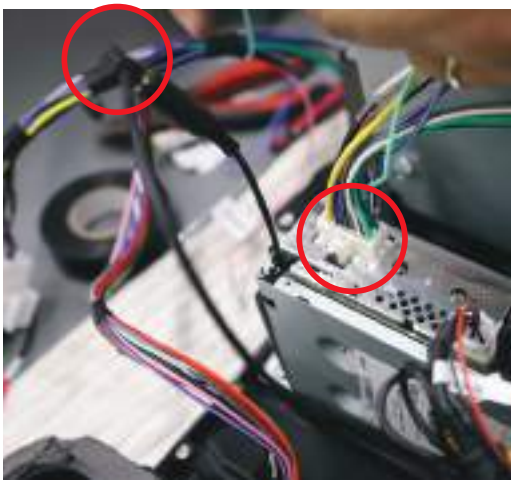
Connect the USB/USB's if present. Connect the reverse camera input to the video lead and then connect it to the module.

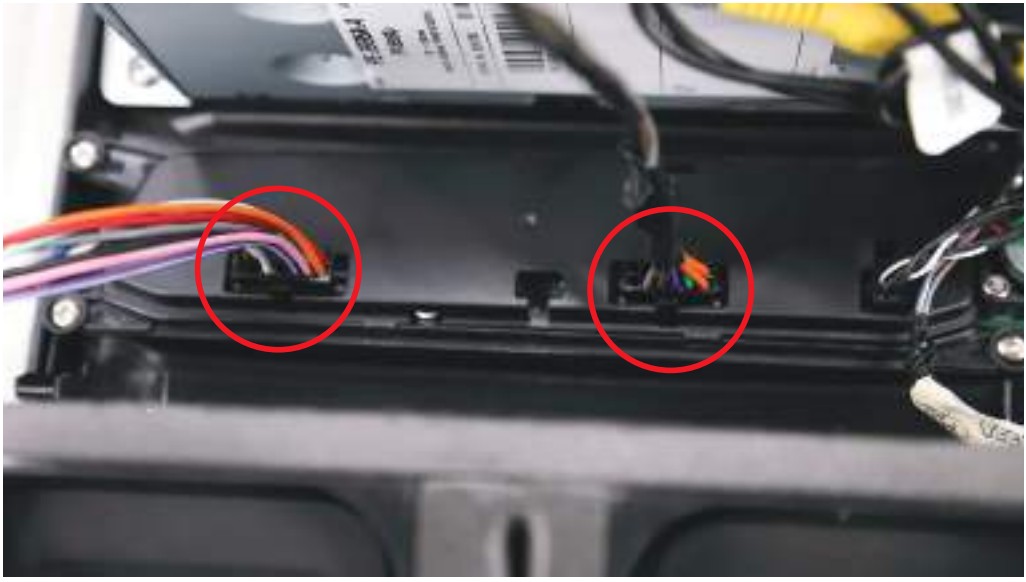


Connecting Steering Wheel Controls

Connect an Aerpro APP series (brand specific) secondary harness (sold separately) and a patch lead to the aftermarket unit. Connect to ISO plugs in main harness and connect to module

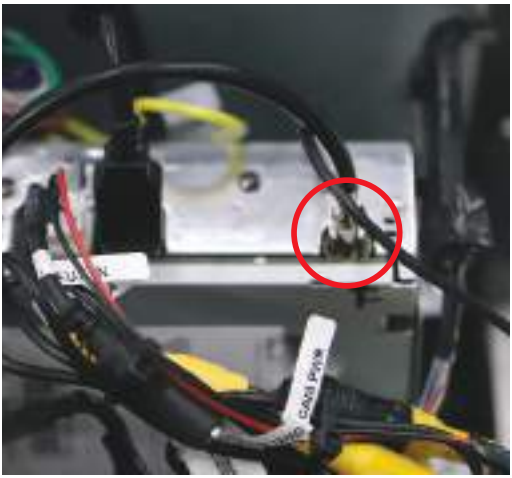
NOTE: *It is important to connect brand specific or correctly modified universal patch lead to module before powering up*

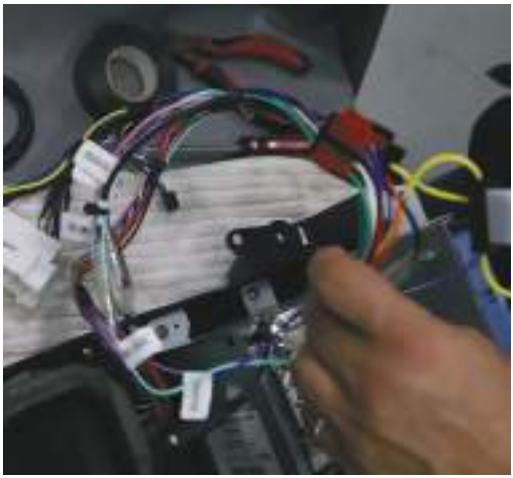




Connecting Antenna

Connect the antenna adapter and any other cables like park brake, reverse and speed pulse if available. Tape up any unused cables





OEM Reverse Sensor (Vehicle Option)

Retaining the OEM reverse sensor alerts

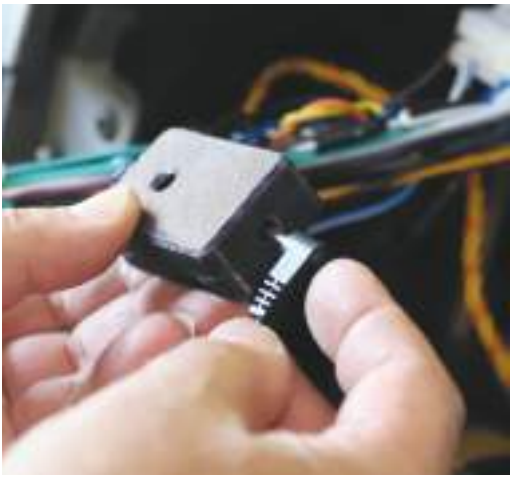
Attach the reverse sensor connector to the Aerpro AP1WAMP amplifier module (sold separately)

Place the audio amplifier behind the headunit

OEM Reverse Sensor (Vehicle Option)

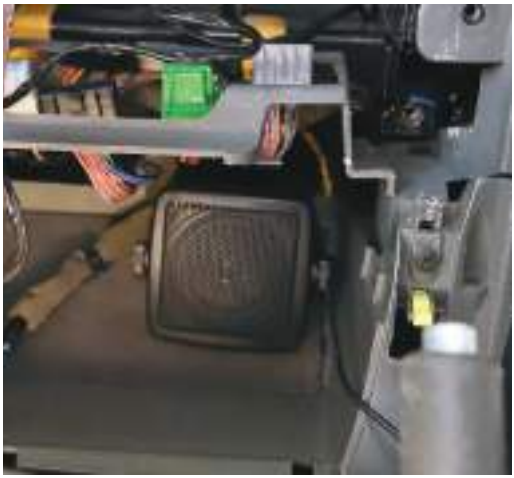
Attaching the extension speaker

Connect the 3.5mm extension jack of the Aerpro CBXS extension speaker (Sold separately) to the amplifier module input



Securely mount the extension speaker in an appropriate position. You can adjust the volume of the amplifier module by turning the adjustment dial.

Note: *Prior to testing we suggest to set the dial to the 12 o'clock position*



Main Harness Installation

Plug the main harness into the vehicle. Due to the limited depth we recommend using a mechless head unit (No CD/DVD player) for this kit as some head units are too deep to fit within the space available.

Facia Kit Installation

Attach the yellow retaining clips to the new plastics and place into position taking care to keep all cables out of the way

Facia Kit Installation

Re-attach the four connectors to the body control module. Switch the vehicles parking lights on to test illumination of the HVAC buttons. Turn on the vehicles accessories to test steering wheel controls and audio.

Facia Kit Installation

Once all of the functions have been tested, screw in the top section and bolt in the bottom section using the one screw and the 4 bolts retained earlier

Replace the tissue pocket, reconnect the power socket, replace the top trim **(CAREFULLY)**, replace the left and right side panels and screw back in. Replace the gear shift panel

Installer Notes

Technical assistance

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support. Australia

TEL: 03 – 8587 8888

FAX: 03 – 8587 8866

Mon-Fri 9am – 5pm AEST

Please retain this user guide for future reference.

If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the http://aerpro.com website and click on ‘Firmware & Manuals” for information on where to find the manuals/software.

This manual is considered correct at time of printing but is subject to change. For latest manuals and updates refer to the website.

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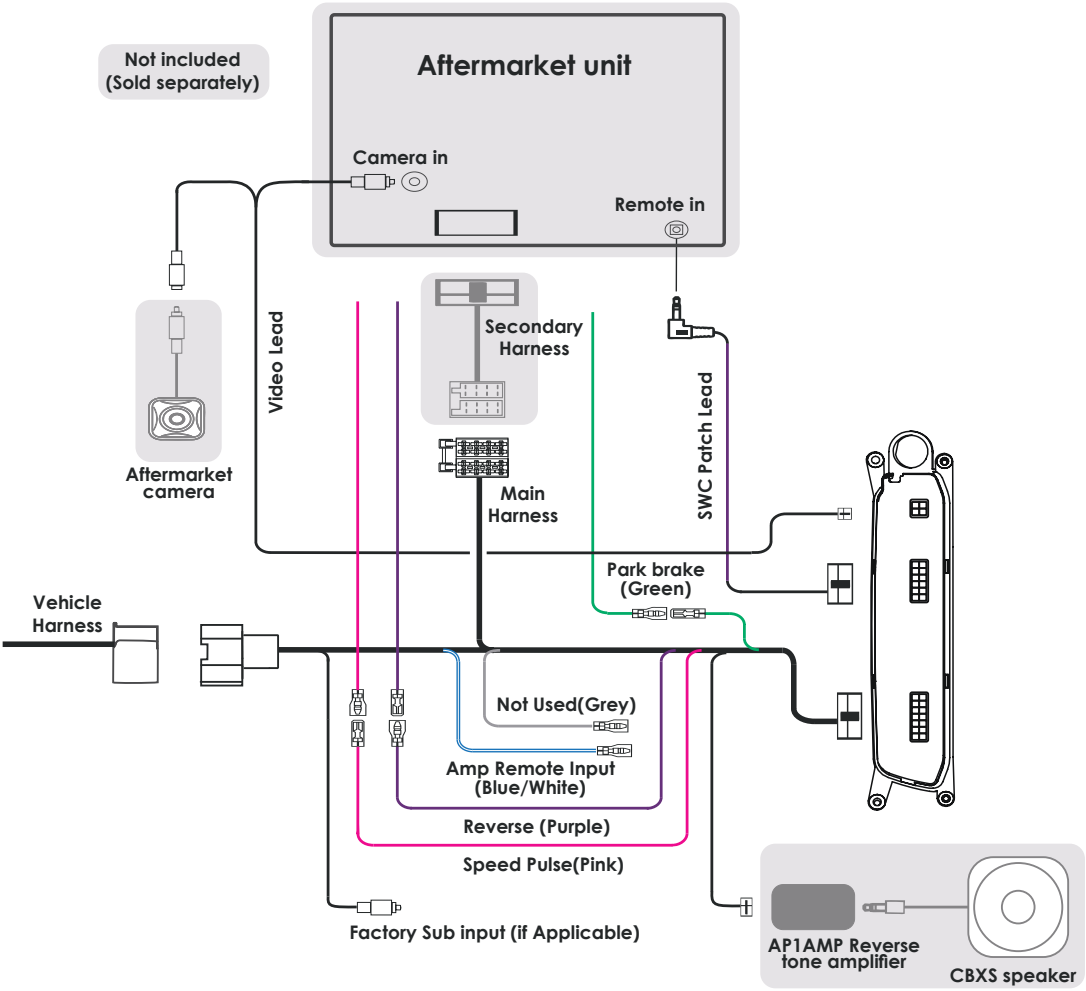
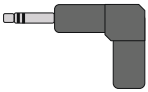
Wiring diagram



SWC Patch Harness Configuration

Use 3.5mm Jack for these Head-units



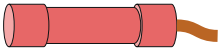
ALPINE
Cut Green Link

CLARION
Cut Purple Link

PIONEER
No cutting required

SONY
No cutting required

Use Key 1 Bullet terminal for these Head-units



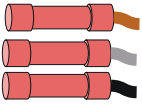
Philips, Nakamichi
Cut Orange & Purple Wire

Kenwood
Cut Orange & Green Wire

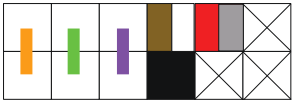
JVC
Cut Green & Purple Link

Zenec
Cut all 3 wires, solder Orange and Green together as shown

Use KEY 1, KEY 2 and GND Bullet terminals for Self Learn Head-units



Self Learn Head-units
No cutting required



For best results or to reset the control module with a new brand, please make modifications to the patch lead first, before connecting to the steering wheel control module and before powering the module up.

SWC Patch Harness Configuration

Kenwood/JVC: Some Kenwood and JVC radios have 2 steering control inputs. A 3.5mm socket (Remote IN) and Blue with Yellow trace wire. To send direct translated codes to your Kenwood/JVC radio, configure the patch lead up as Kenwood or JVC outlined in the configuration assignments and connect the Brown patch lead wire (KEY 1) used. If you would like to be able to program your steering controls configure the patch lead as Self Learn and plug the 3.5mm Jack into the Remote IN of the Kenwood/JVC, disregard the Brown wire.

Pioneer : Some Pioneer models require the steering controls to be enabled they will by default OFF. These steering control settings are located in the system settings of the radio can only be accessed whilst the unit is in standby mode and the park-brake wire is connected (if applicable). Please refer to your Pioneer manual on exact methods for enabling steering controls.

Sony: Recent Sony models may give you incorrect SWC button results after installing a control harness. This is due to a slight change in input codes on the newer Sony radios. To resolve this please do the following steps:

- Remove the steering control harness from the vehicle.
- Remove the plastic casing from the black steering control box.
- Locate the very small dipswitch selector on the board
- Turn dipswitch 4 OFF.
- Re-assemble and test.

There is also some Sony radio's that default steering controls off. If you are receiving no steering control functions at all please refer to your Sony manual on how to enable steering controls.

General: Please ensure all connections to your aftermarket head unit (including patch lead modification) are completed before power is provided to the harness. Some of our control harnesses work by translating the vehicles CANBUS data and can only start this process on ignition. If you find that you are not getting any response from your steering controls on accessory (single key click) please re-test on ignition.

Note: The steering controls must be working in the vehicle previously to work with our control harnesses. They will not fix a previous underlying problems.