



HILUX MAXX

FOR WORK AND PLAY



Installation manual

Navigation & User manual: Available to
download from:

www.polarisgps.com.au



Thank you for purchasing the Hilux Maxx.

Before operation, be sure to thoroughly read these instructions.

Warranty for this product is 2 years from date of purchase, however warranty will be void if:

- The unit is tampered with, damaged or modified in anyway
- If applicable Reverse camera cable is cut or modified in any way
- If applicable Reverse camera is subjected to over voltage
- If applicable the Navigation SD card is damaged or tampered with in any way (this includes installing foreign mapping or software onto the SD card)
- The installation of 3rd party apps that may cause harm to the unit

Warranty Terms

The Hilux Maxx is covered for 2 years and includes:

- Defective Equipment • Defective Cables

Not Covered under warranty:

- Abuse
- Improper installation
- Alteration to Cables (includes cutting of any cables)
- Accidents
- Water damage
- Improper use
- Labour
- Postage and Handling
- Malicious Software caused by installing 3rd party apps

If you have any questions concerning the installation, warranty or the operation of the unit, please contact **Polaris** on **1300 555 514**.

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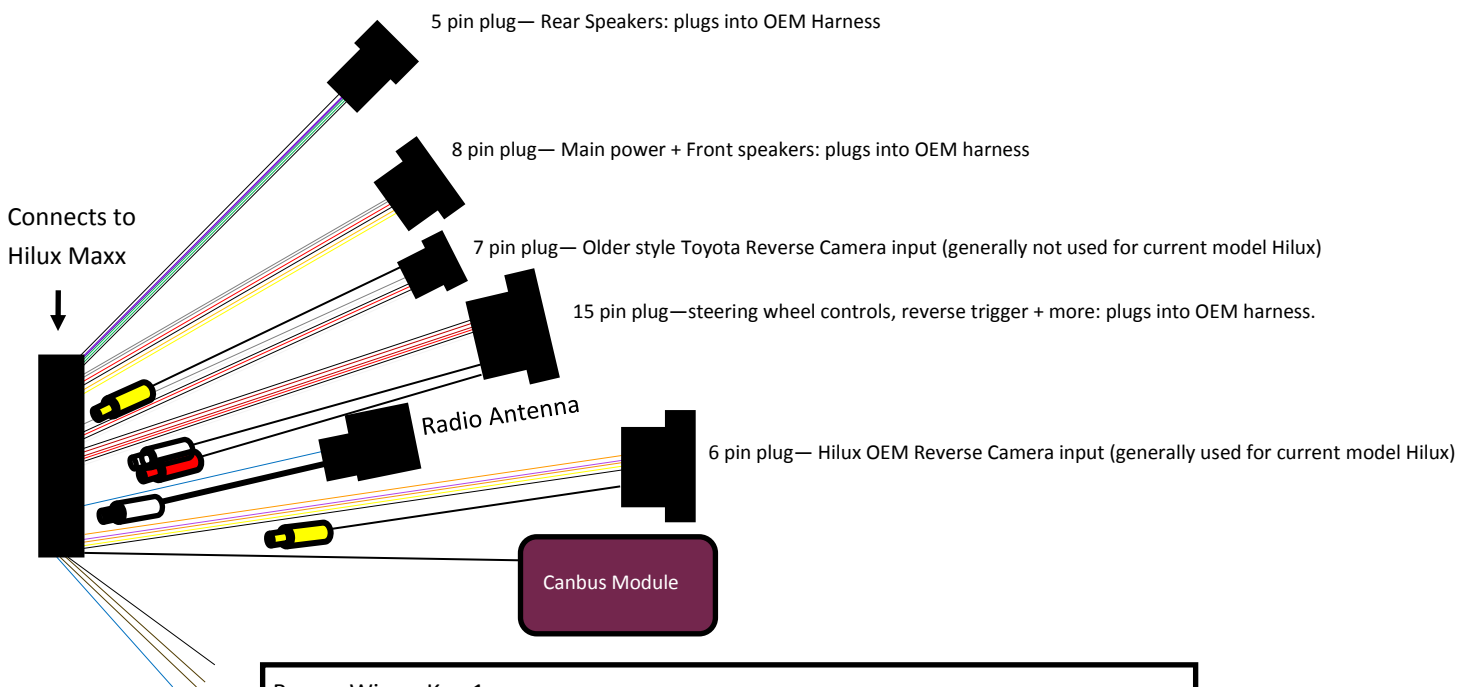
Please note: once the unit is installed you can access your user manual on the head unit or you can download a copy from our website: www.polarisgps.com.au

Record your serial number here and keep on hand for future records:

What's in the Box & Wiring Diagram

- 1) Hilux Maxx Unit.
- 2) Toyota Hilux Patch Loom
- 3) GPS External Antenna.
- 4) External Bluetooth Microphone.
- 5) RR,RL,FR,FL Aud Out & SUB / VID out 1&2 cable.
- 6) VID in / AUX L / AUX R cable.
- 7) CAM in / Front CAM IN cable.
- 8) 2 x USB cables / Bluetooth mic input cable.
- 9) Polaris Reverse Camera with RCA adaptor.

Power Harness



Brown Wire—Key 1
Brown Wire with black stripe—Key 2
Black wire—Ground
Blue wire with white stripe—Amp Control

Notes: Key 1, Key 2 and Gnd wire not needed unless you want to program in your steering wheel controls. Otherwise the steering wheel controls all run through the canbus module and do not need programming in.

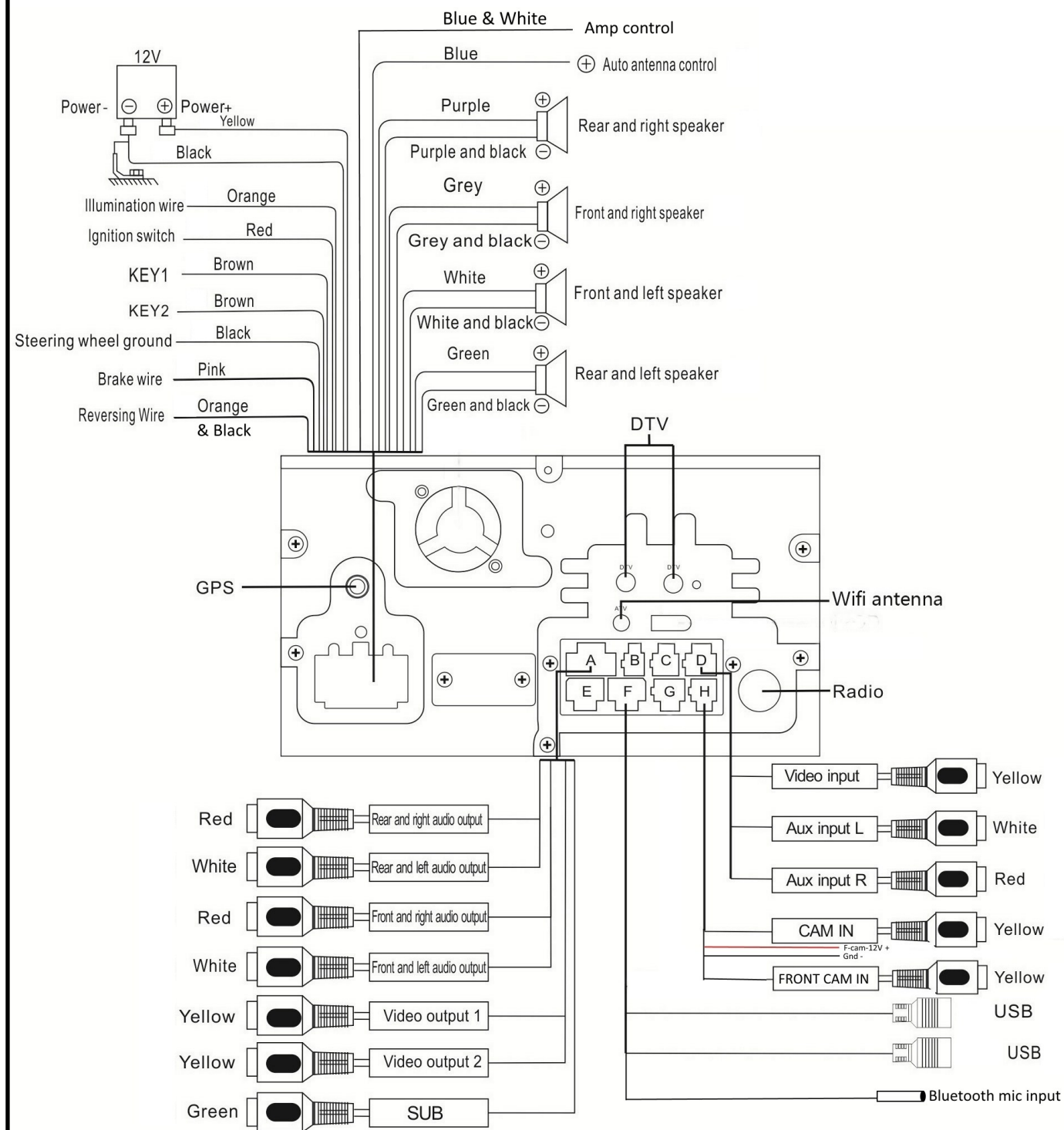
RCA plugs

Red RCA: AUX in R
White RCA: Aux in L
Yellow RCA plugs: Cam in

Notes about wiring in the OEM Toyota Reverse Camera:

Just plugging the Original Toyota reverse camera into the 6 pin plug is not enough to get the camera working. Please make sure you ALSO plug the Cam in RCA plug coming from that particular plug into the Cam in RCA input that plugs into the back of the Hilux Maxx.

Wiring Diagram



Installation Notes

- ◆ The wiring and installation of this unit requires special technical skill and experience. If you do not feel confident installing this product or do not have the level of skill necessary, please contact Polaris on 1300 555 514 so we can refer to a recommended installer.
- ◆ This unit is designed to be used in a vehicle with a 12 volt battery and a negative grounding. Before installing this unit to a recreational vehicle, bus, or truck, make sure the battery voltage is appropriate for this unit to be used. If installing into a 24Volt vehicle , you will need a 10 amp converter which can be purchased through automotive electronic shops such as Jaycar electronics.
- ◆ To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.
- ◆ To avoid possibility of shorting out the electrical circuit in the unit, never connect the battery wire directly to the vehicle battery.
- ◆ Always secure all wirings with cable clamps or adhesive tape to prevent short circuit.
- ◆ Please make sure all wiring connections and speaker wires are well insulated.
- ◆ When pulling the dash apart, please use quality trim tools to avoid damaging your dash.
- ◆ Please do NOT cut any plugs off of any Polaris cameras. Doing so will void your warranty! If you need to blend other brand cameras into our system, please call Polaris on 1300 555 514 so we can refer you to a recommended dealer who has the skill and experience in performing this type of work.
- ◆ If you want an aftermarket reverse camera to trigger when reverse gear is engaged, you will need to find reverse power. Please see page 14 for aftermarket reverse cam wiring instructions or page 4 For OEM reverse camera wiring instructions
- ◆ If there is something you are not 100% sure about when installing this unit, please give our experienced technicians a call on 1300 555 514.
- ◆ You shouldn't be required the programme in the steering wheel controls as the power harness has a canbus module built in. The canbus module is what controls the steering wheel control functions so they should work from the get go provided that everything has been plugged in correctly.

The following installation pictures have been taken using the Hilux Maxx head unit. The same principle applies when removing the factory head unit.

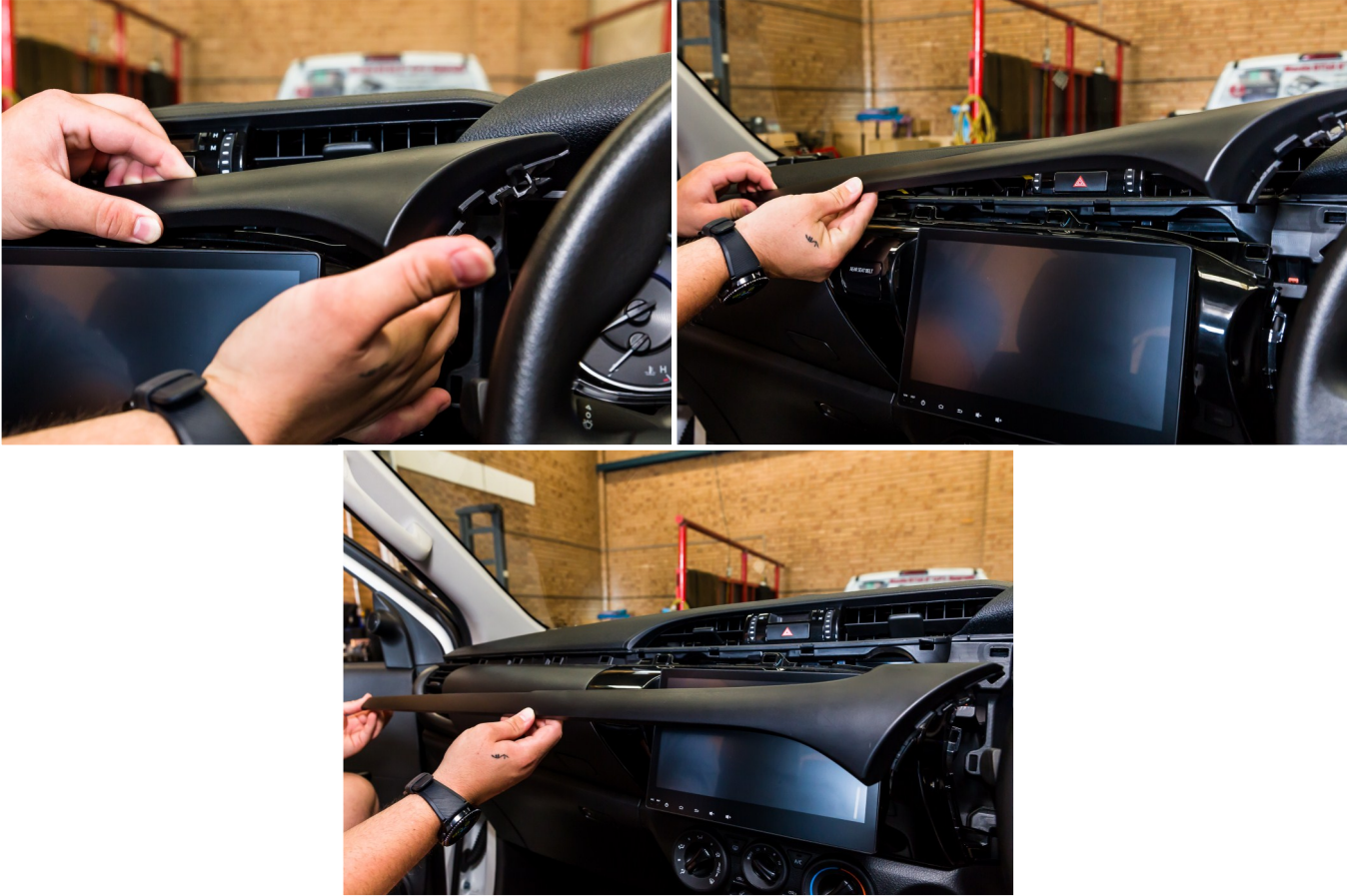
Start by removing the two plastic screws in the gauge housing with a stubby screw driver.



Gently Pull at both ends of the gauge housing to pop it out. Remove and set aside.



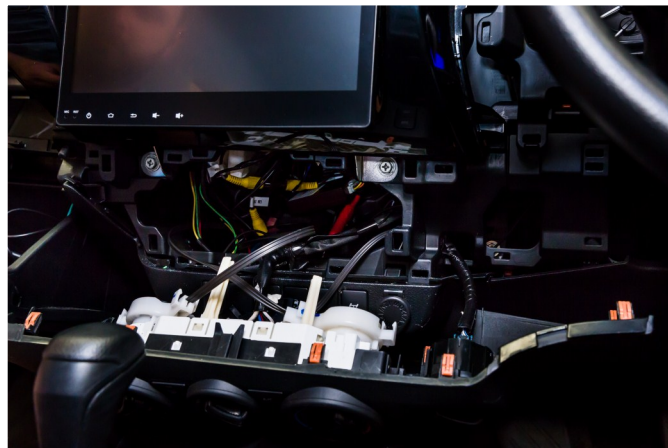
With your fingers, gently pry open the long dash trim panel above the radio gradually working your way down until it's completely removed.



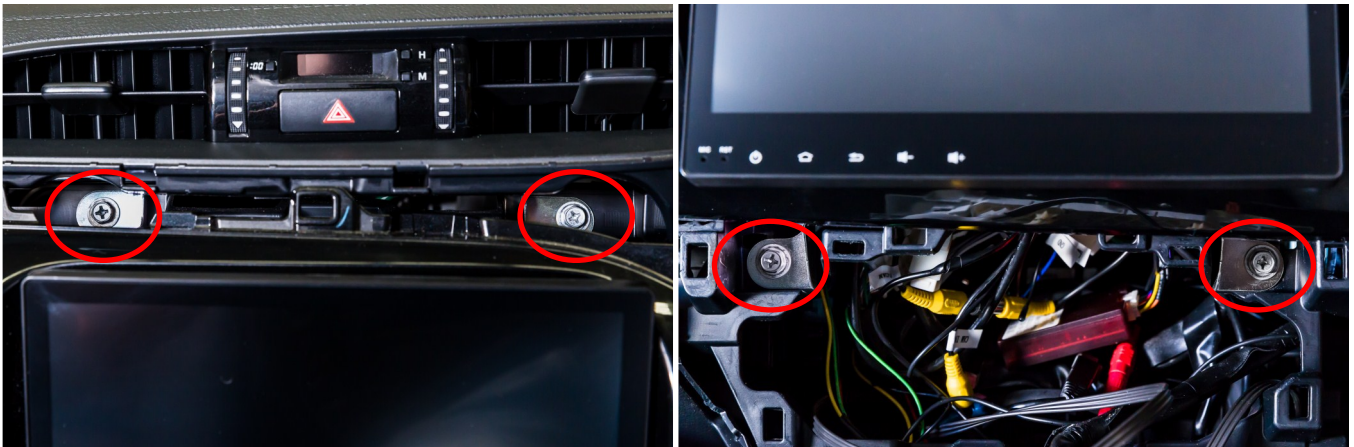
Now open the bottom glovebox so that you can grab the top glovebox. Gently pull it out and put aside.



Next is the air conditioning control panel. Get your fingers in behind the panel, pull forward to pop it out and let it sit there.



There are 4 screws that need to be undone (use a 10mm / phillips head), two up the top and two down the bottom. Once they are all out, pull on the fascia and pop it forward.

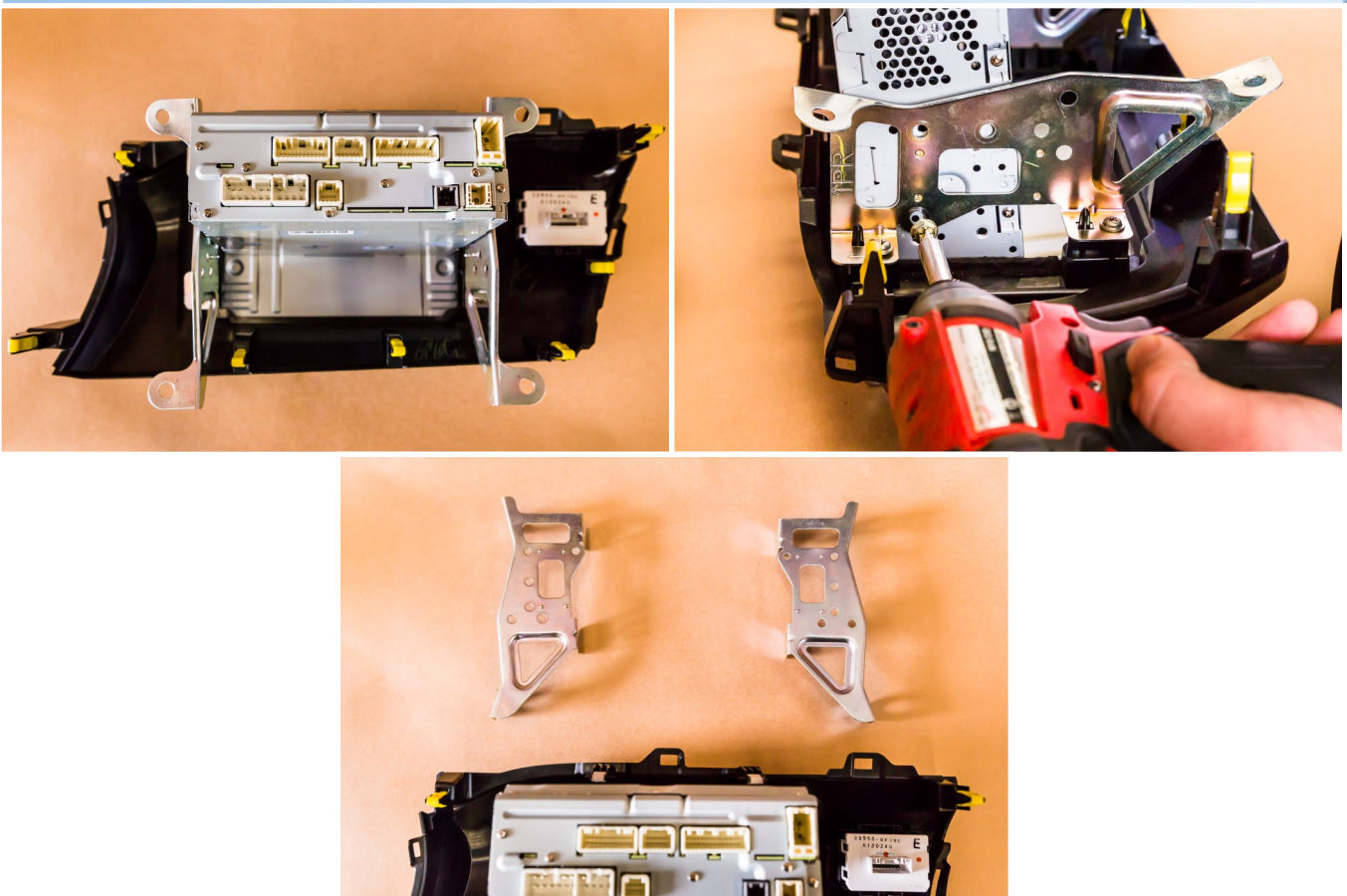


Before removing the fascia be sure to unplug the white plug in the back of the fascia on the left hand side.

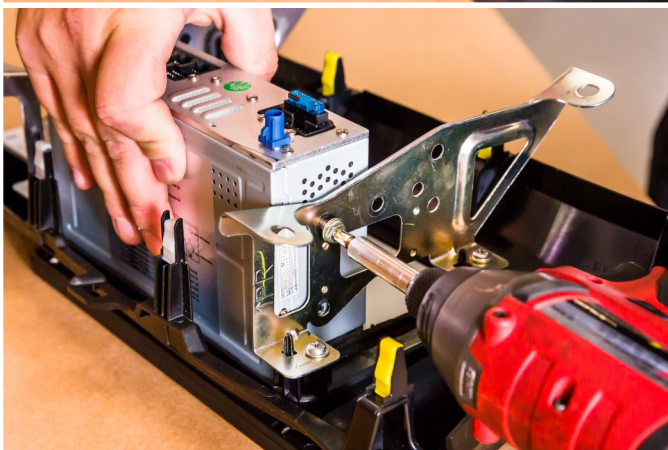
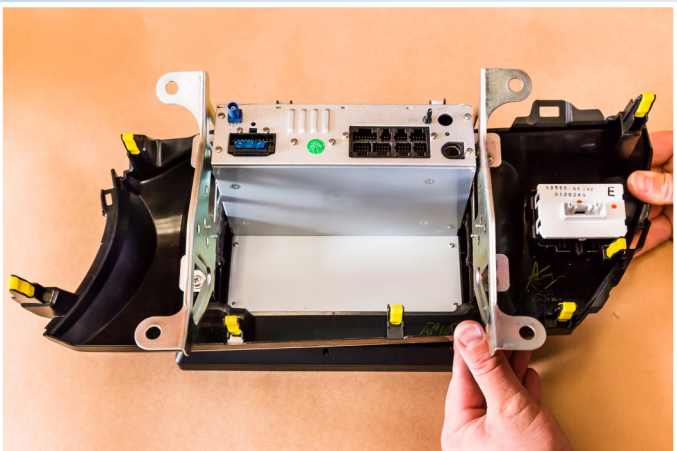
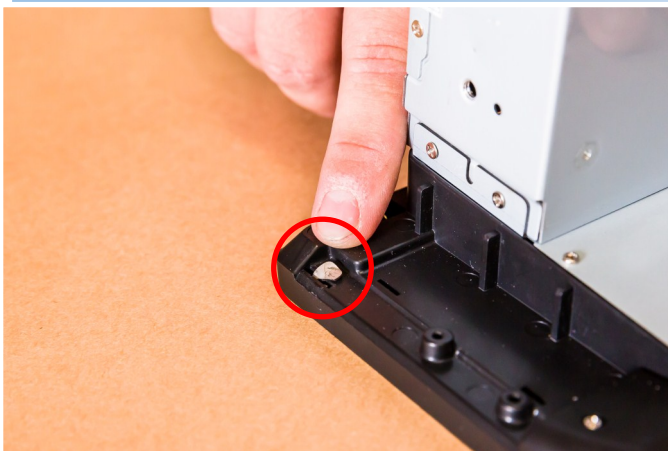
After this, unplug all the factory plugs from the back of the OEM head unit.



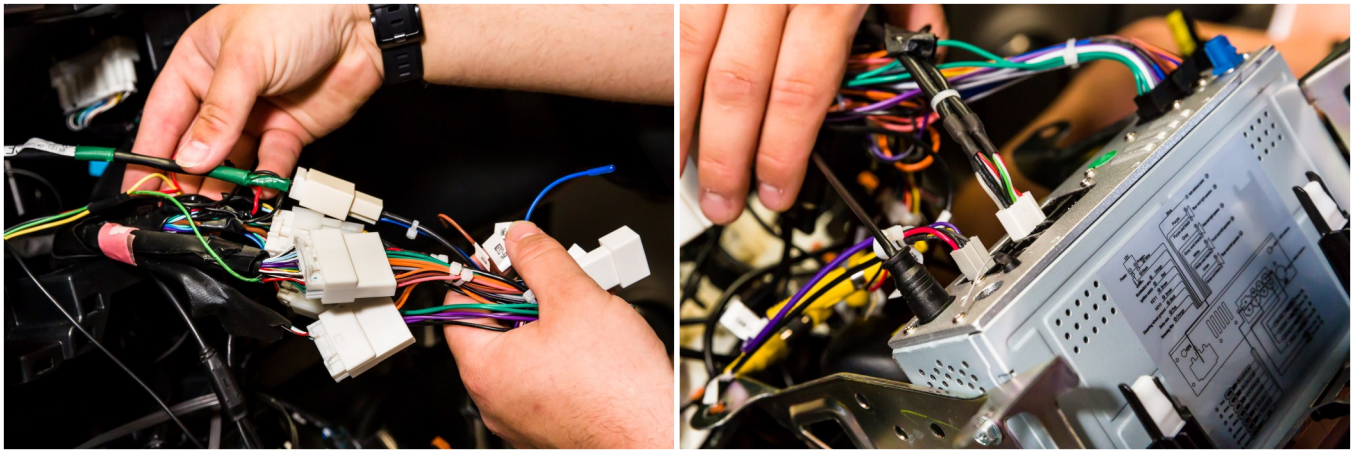
Remove factory unit and brackets from fascia.



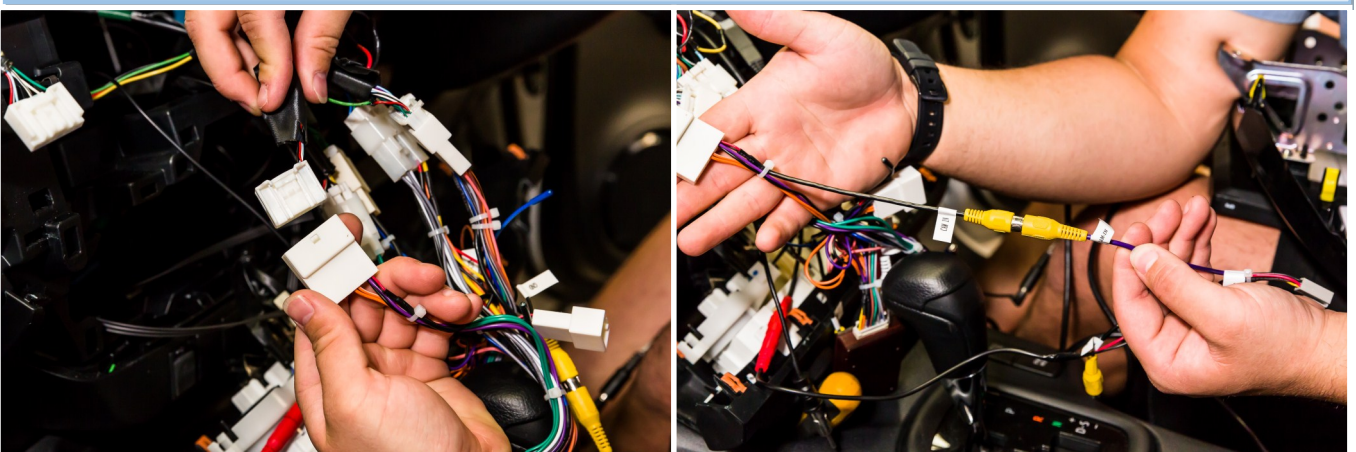
Push down the 5 metal clips located on the back of the Hilux Maxx. Once this is done screw the brackets back onto the fascia and slide the Hilux Maxx in all the way until the two holes on each side line up. Once you are happy with the positioning, screw the head unit to the brackets.



Grab the loom and the necessary cables out of the box and plug them straight into the factory plugs and into the Hilux Maxx (please refer page 3 & 4).

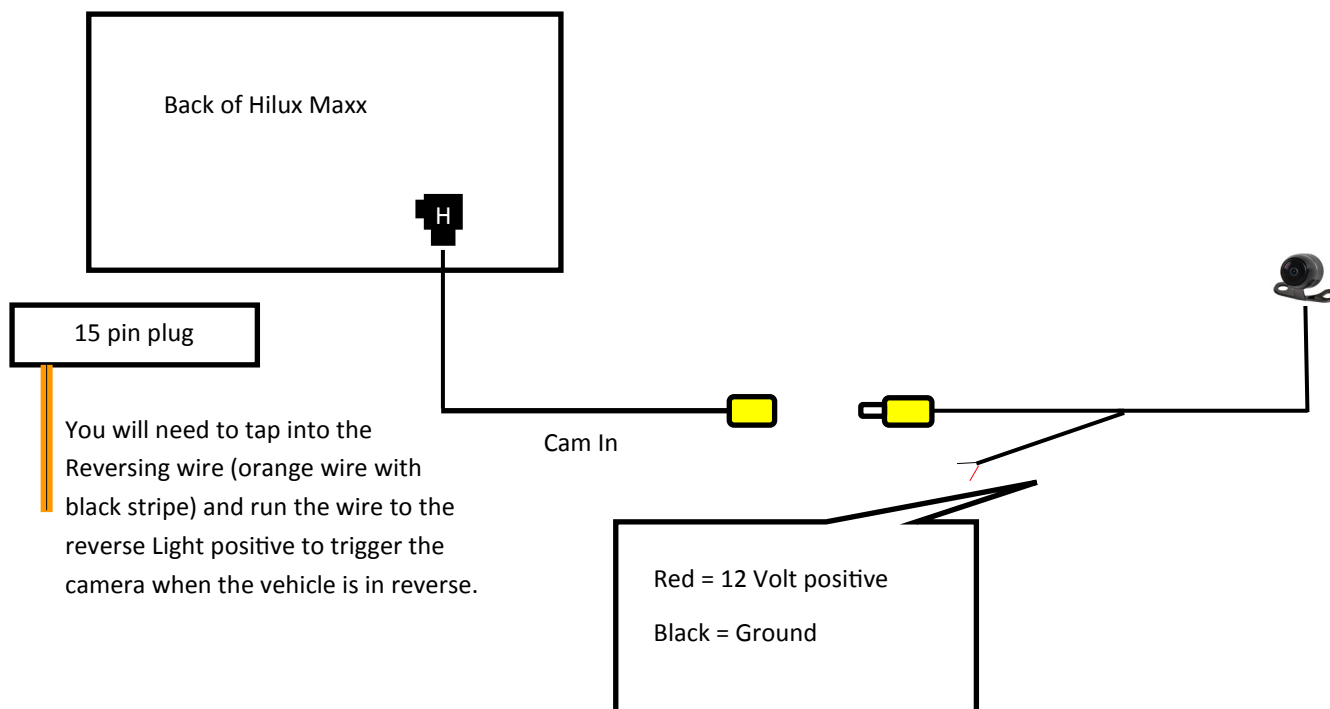


If you are using the factory camera, plug it into the factory camera plug. Please ensure that you also plug the CAM in yellow RCA jack into the CAM in located on loom no. 10 from the Hilux Maxx (please see page 3).



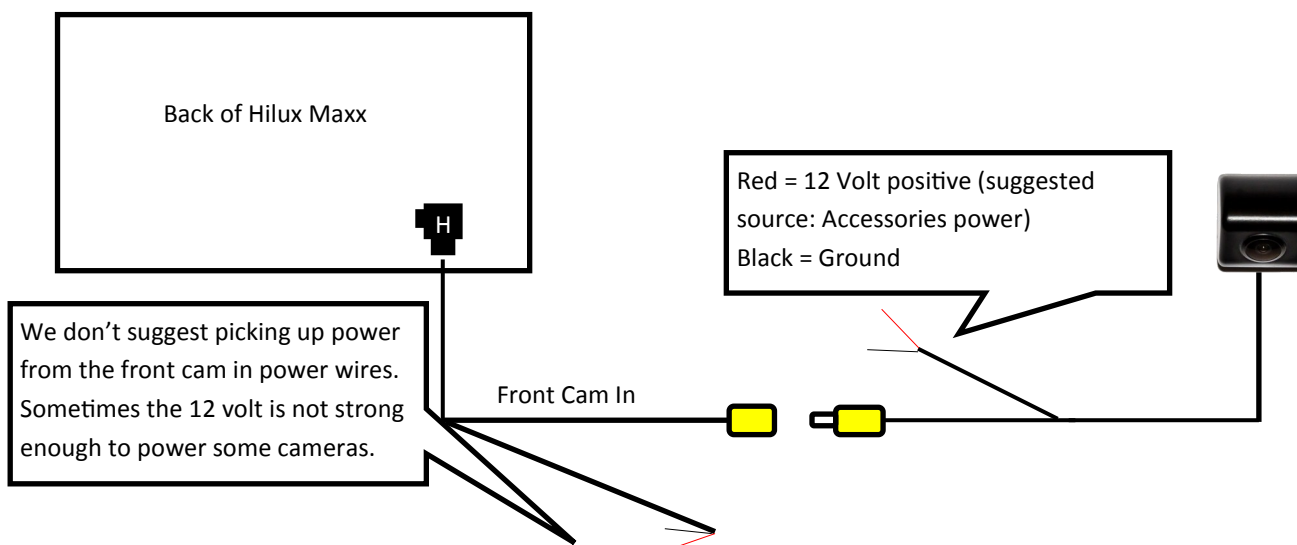
See page 13—14 on how to wire up an aftermarket / Polaris camera and multiple cameras to the Hilux Maxx

Reverse Camera wiring





2 cam operation (e.g., car and caravan setup or front camera)

Even though the actual input is labelled as front camera, you can still use this input for a second reverse camera. The actual head unit has an icon on the screen labelled CAM and this can toggle between the 2 cameras installed (regardless if it's a front camera or a second rear vision camera). If you want 3 cameras then we suggest purchasing a 2 way control box, see page 15



Toggling between the 2 cameras without a Control Box

When you engage reverse the unit will always default to your tow vehicle reverse camera, to toggle to your second rear camera while the vehicle is in reverse press the  button on your head unit.

To view any of the cameras whilst driving, select the Cam icon. It will default to the second camera automatically and if you wish to view your tow vehicle reverse camera, press the  on the touch screen.

3 camera operation (Example: Car and caravan setup with a front camera).

Front Camera

Use the front camera input to plug your front camera in (see page 14)

Control Box Setup:

Use the control box setup to plug an additional 2 cameras into the head unit when the front camera input is already being used

Figure 1

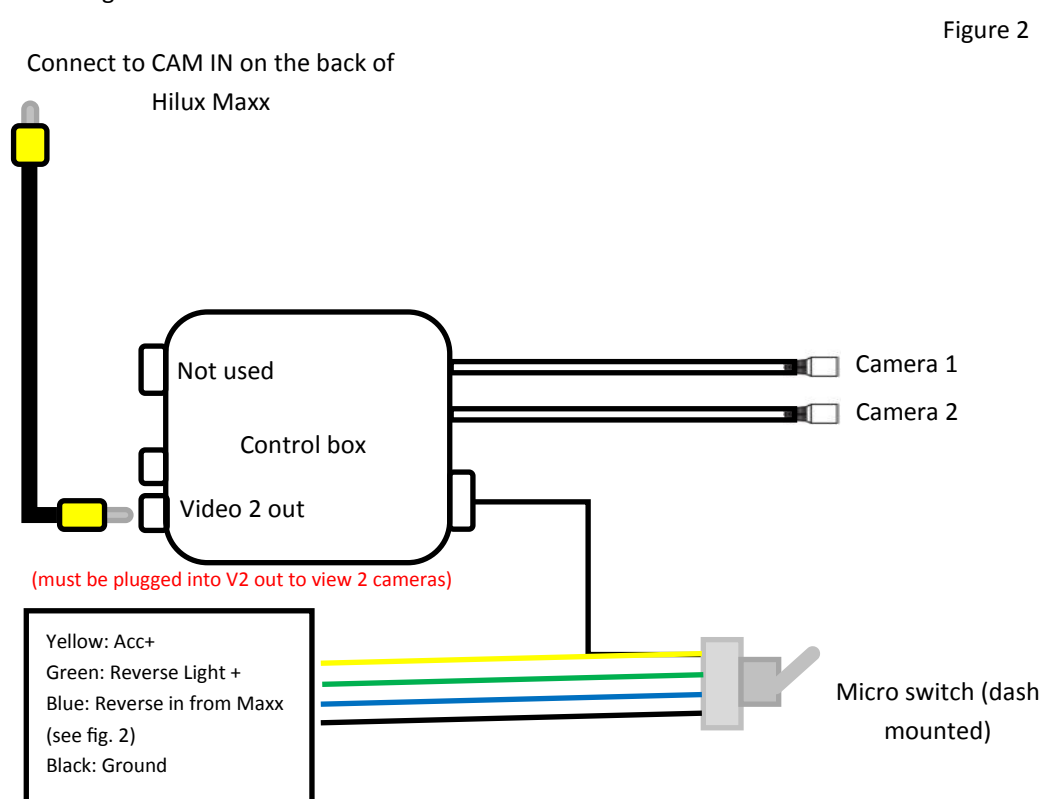
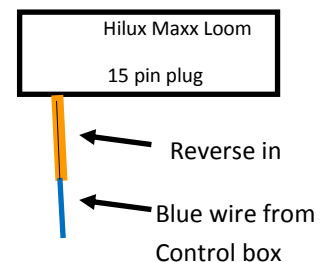


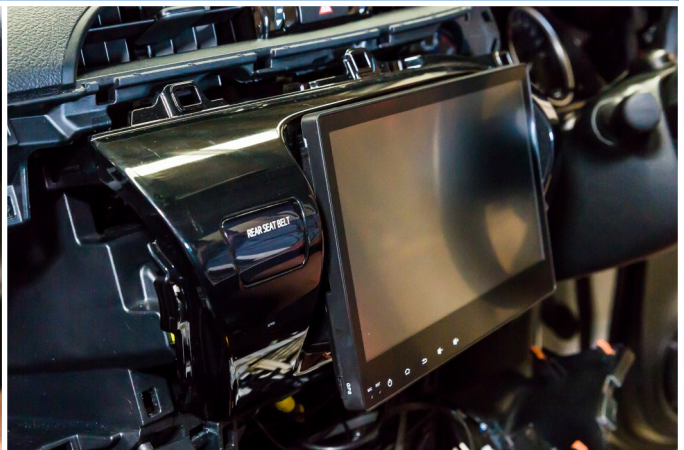
Figure 2



Mount the Bluetooth microphone onto the steering wheel.



Put the unit and fascia back into place, remembering to connect the white plug into the back of fascia. Follow the installation tips in reverse to put all the panels back on.



Once all the panels have been reinstalled, your installation is complete.



You do not have to setup steering wheel controls, they should already be synced with the Hilux Maxx.

Refer to the user manual for instructions on how to use the Hilux Maxx.

If you have any questions or concerns about fitting the Hilux Maxx, please give Polaris a call on 1300 555 514.