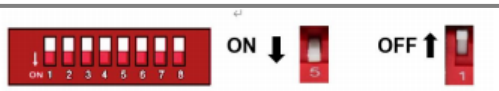
27-584—CAMERA INTERFACE FOR VW (2021 ONWARDS) CAR MODELS WITH MIB3

InCarTec

Set the dip switches



The normal setting is for CAN bus select with switch 2 on. If for some reason the screen does not switch to rear camera on engaging reverse then you can manually switch it using the cars reverse light . (Pin 1 on and connect brown reverse detect wire to cars 12v reverse feed) . In this instance you will not get any CAN bus generated guidelines). If the car already has OEM rear camera and you are only using the interface for a DVR camera then switches 1,2&3 need to be off.

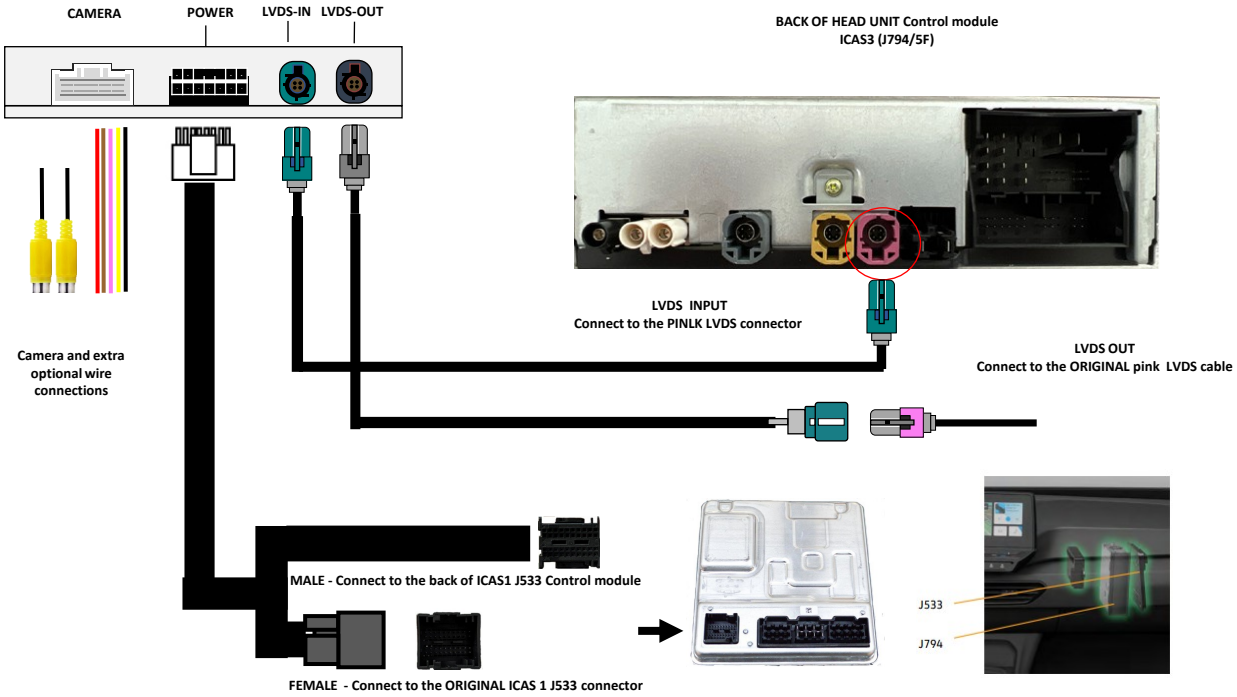
DIP	ON	OFF
1	Selection of function	
2		
3		
4	Selection of car model	
5		
6		
7	OFF	
8	OFF	
Long Press 3S “Hang up” on the steering wheel or “Back” button to switch to DVR input		

FUNCTION	1	2	3
Factory OEM Rear Camera	OFF	OFF	OFF
Aftermarket Rear Camera CAN bus select	OFF	ON	OFF
Aftermarket Rear camera Reverse light Detect	ON	OFF	OFF

CAR MODEL	4	5	6
VW ID 3, 4, 5 10” screen	ON	OFF	OFF

Installation diagram—connections behind the glovebox

The interface comes with a plug and play T harness to connect to the CAN bus control gateway J533. This provides CAN high and low, ground & 12V supply. It is difficult to access without removing most of the drivers and passenger side underdash too as it is hidden behind the bracket holding the head-unit module, so an alternative hard wire option is shown on the next page. The 2 x LVDS video cables allow video transfer from the control module to the dash display. The leads connect between the PINK LVDS connector on the head-unit control module J794 /5F



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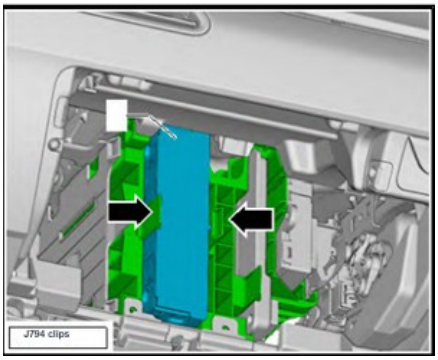
Installation notes— behind the glovebox– Follow VW workshop manuals to remove parts.

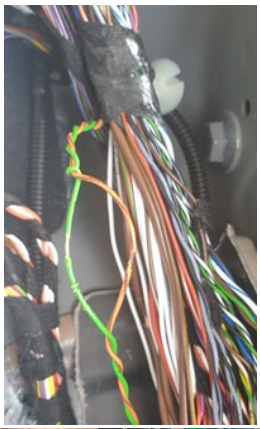


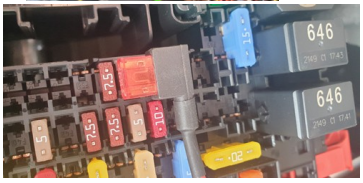
Remove glove box carefully including soft open close arm which is un-hitched from the glovebox side by pulling up. An L shaped black cover must then be removed to access the J794/5F module. This is held on by 4 torx screws. Carefully feel behind the module to free its harness to allow better access to the module. This is important as damage to the Fakra connectors may occur if the loom is not first freed. Separate the two vertical side clips to release the module to gain access to the connectors on the rear.

Installation notes—gateway connection J533

It is difficult to see the gateway J533 module from the front. It is to the right of the bracket that held the J794 module. The connector can be release but the wiring loom does not allow much more access to fit the T harness without talking most of the lower dash apart. It can be accessed by removing the black plastic heater duct. CAREFUL as the duct has thermocouple attached at the centre consol end and the wires are tight. If you can get access ,use the T harness into the connector which has a latch securing it.

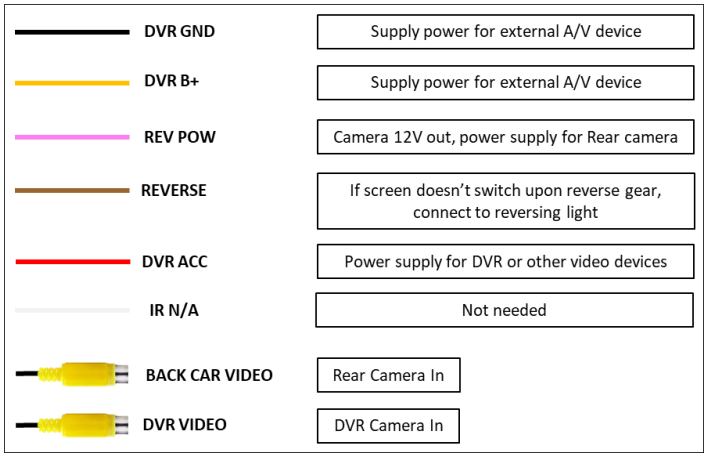
Installation notes— Alternative Power and CAN bus connection





For an experienced engineer it is easier to tap into the vehicle Comfort CAN bus wires. These are easily found in the passenger kick panel loom. See diagram. This is a Green(CAN high) and Orange/Brown (CAN low) twisted pair.

Disconnect the Green, Green/Black, Yellow and Black from the T Harness. Connect the Green from the interface to the Green in the vehicle and Green/Black to the Orange/Brown in the vehicle. Use solder or a T-Tap connector. Do not cut the CAN bus wires in the car. Connect the yellow power supply to the cars FUSEBOX using a Fuse Spur to a 10amp switched 12v power source. Connect black to vehicle ground . (heavy brown wire in the passenger foot-well)



Wire diagram—loose wires

Most loose wires are not needed as they are only used if fitting a second video source such as a DVR .

You can use the pink to power the rear camera or use a separate 12v ignition supply. Follow separate instructions for fitting a camera.