

CAM-CRAFTER



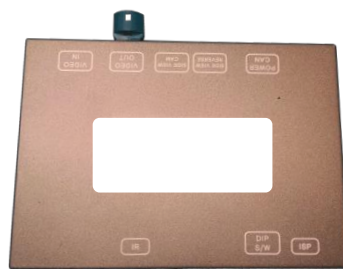
Overview

This interface is a front and rear camera interface with active parking lines. This integrates into the factory screen on the 2018MY VW CRAFTER . Installation is performed at the rear of the MMI module, which is located in the glove box.

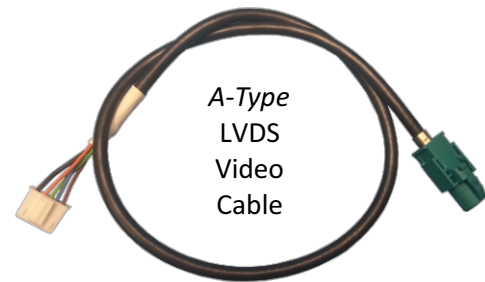
Kit Contents



Infrared Receiver



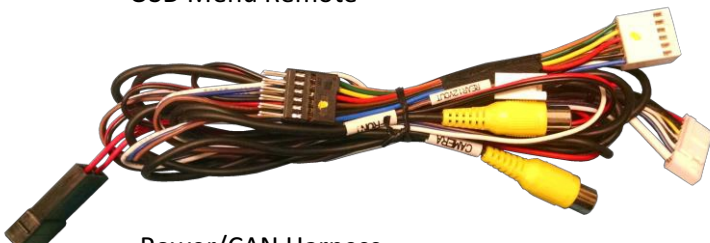
Interface



A-Type
LVDS
Video
Cable



OSD Menu Remote

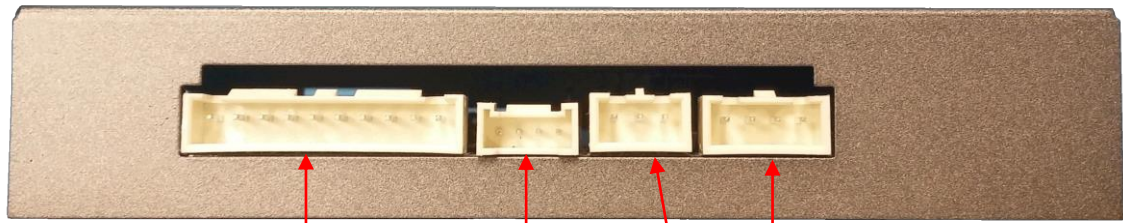


Power/CAN Harness



LVDS extension cable

Interface Connectors

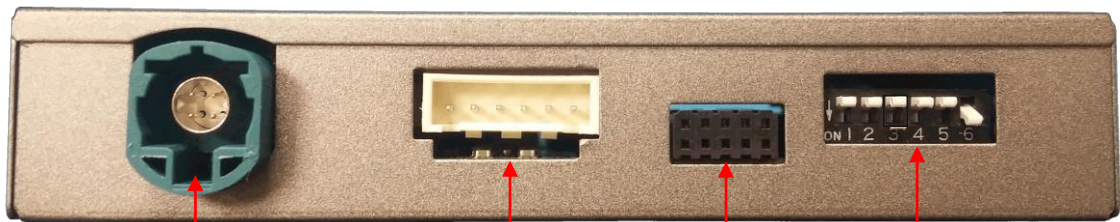


Power/CAN Harness

Wire trigger
(optional)

Not Used

Infrared Receiver



Video OUT
(to screen)

Video IN (from
radio)

Not Used

Dip Switches

Dip Switch Settings

Dip SW:	1	2	3	4	5	6
UP	KEEP UP	F CAM OFF	KEEP UP	KEEP UP	KEEP UP	
DOWN		F CAM ON				KEEP DOWN



Note: Remove power to the unit prior to making adjustments to the dip switches

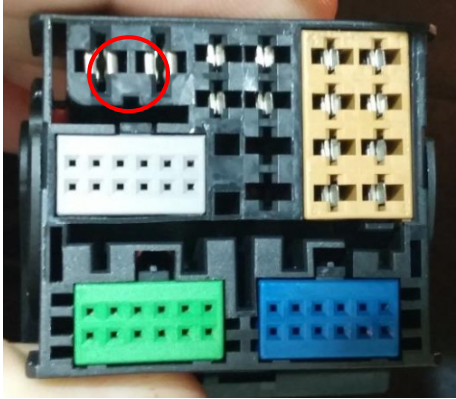


HIGH RES SCREEN - DIP SWITCH 5 UP

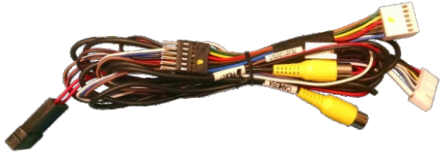
Installation

1. Remove the MMI module located in glove box – Disconnect any associated harnesses and set the MMI radio aside.
2. Grab the provided **'Power/CAN Harness'** from the kit. Connect the following wires to the *car*:

Interface wires	Connect to car	Location
Black	Chassis Ground	PIN 15 (Radio plug)
Red	ACC 12v (+)	Black/White or Black/Blue @ pass fuse box
Green (Rev 12v in)*	Reverse Lamp (+)	

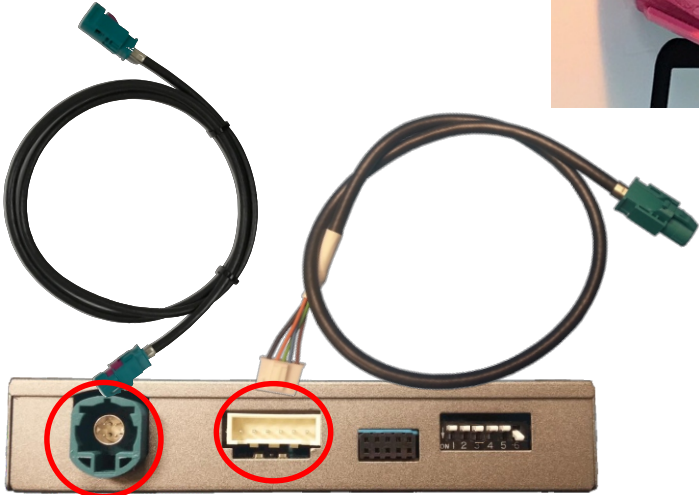
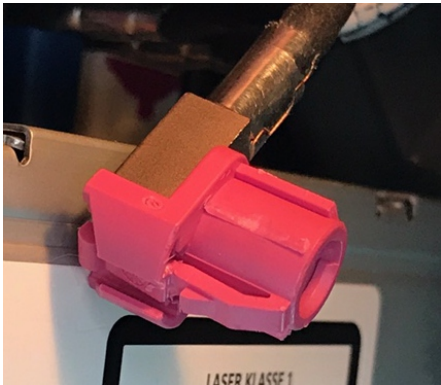


THE GREEN WIRE MUST BE CONNECTED TO THE REAR LAMP TRIGGER 12v+



3. Locate the PINK LVDS PORT at the rear of the MMI unit in the glovebox. Use the supplied LVDS extension cable (for easy install) and connect it to the PINK PLUG. Connect the extension cable to the VIDEO OUT on the interface.

YOU WILL HAVE TO SHAVE THE KEY ON THE PINK CONNECTOR FOR THE LVDS EXTENSION TO FIT.



4. Connect the smaller white plug side of the provided **LVDS Video Cable** to the port on the interface labeled **VIDEO-IN**

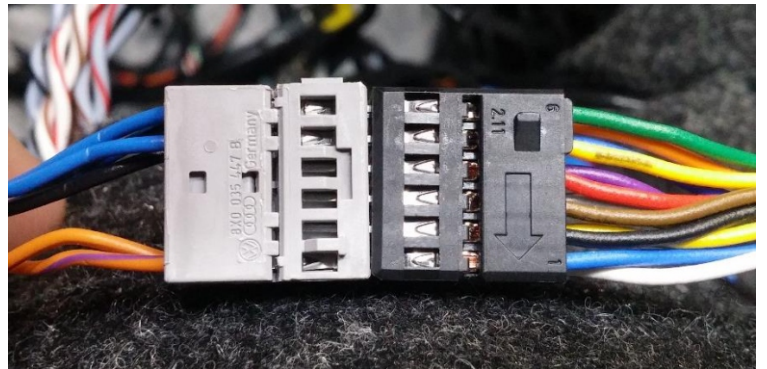
Installation

5. Connect the free end of the provided **LVDS Video Cable** (PINK) back to the factory radio at the appropriate port (if keyways must be cut, do so).
6. Connect the provided 12-pin plug & play portion from the main power harness to the main factory quad-lock connector as shown below. Pay attention to the orientation, as this is vital to proper operation:

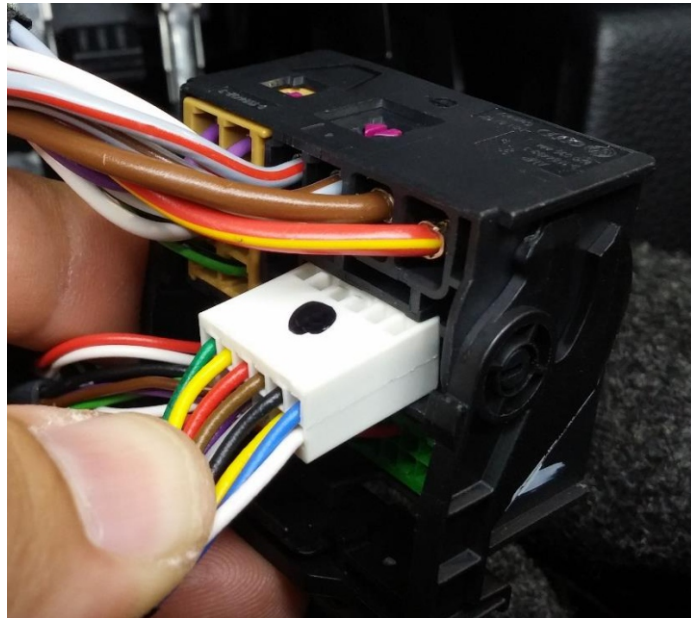
Remove gray OEM 12-pin



Connect OEM 12-pin to provided 12-pin (black, PIN-side). **NOTE: blue and green wire corner locations on provided plug vs OEM.**

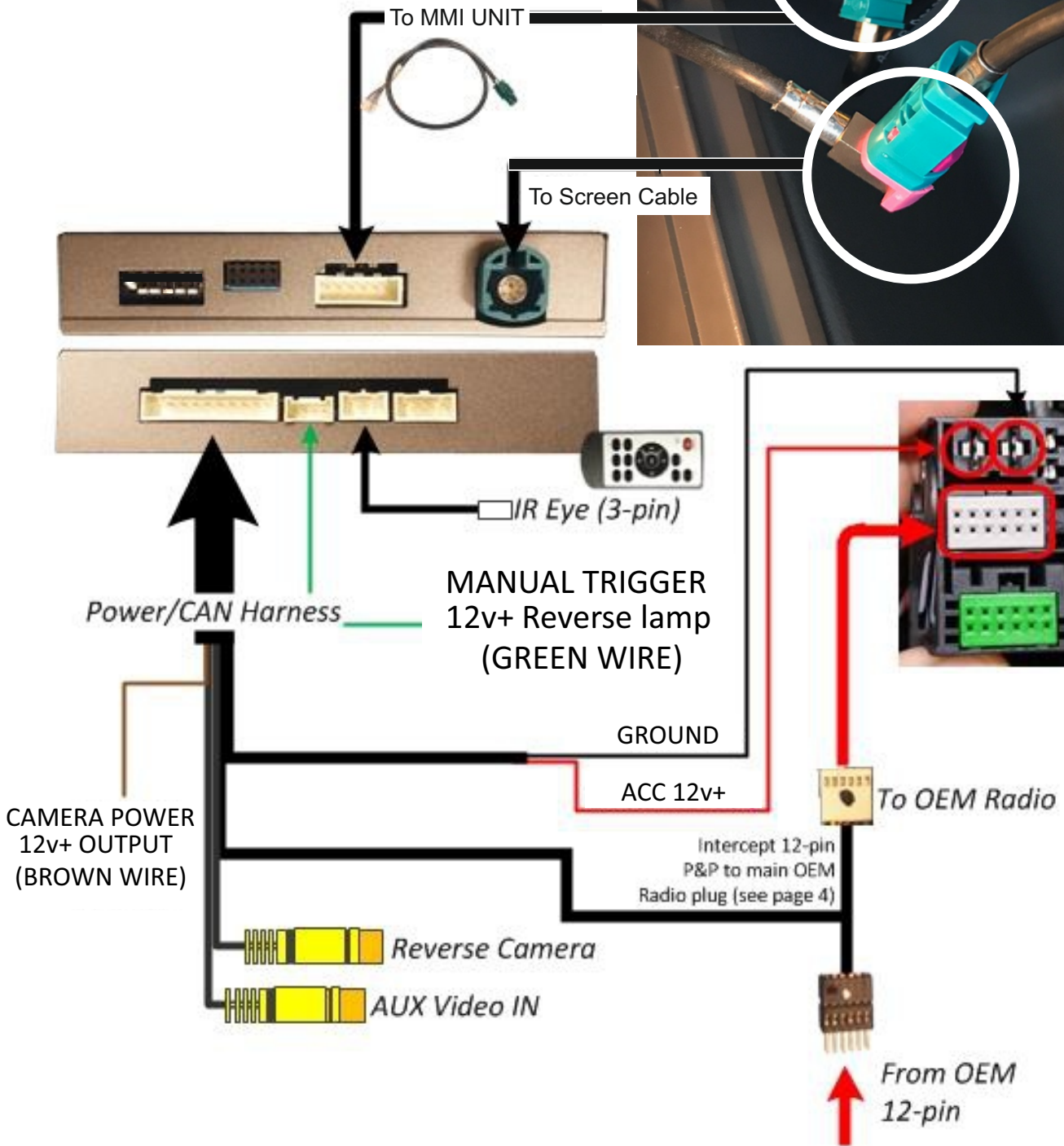
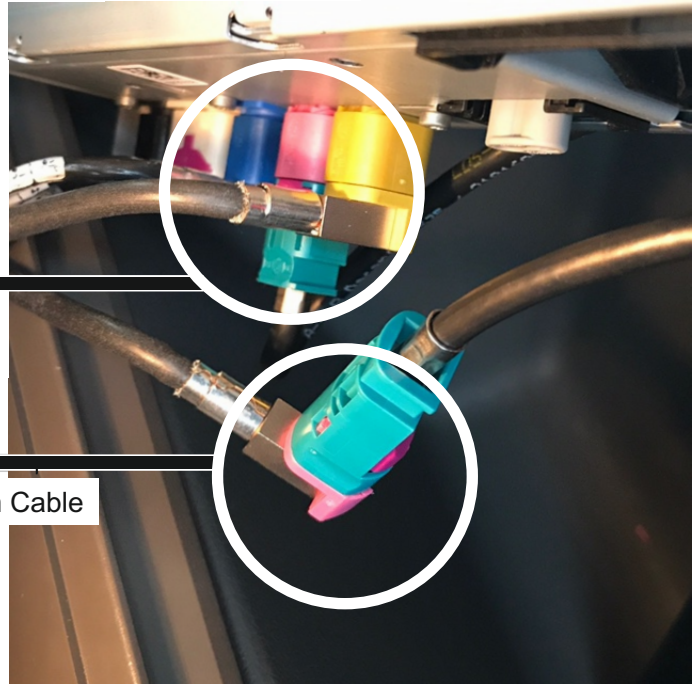


Connect the female 12-pin side of the plug & play portion to the OEM main quad-lock connector as shown. **Note the paint dot must face towards the power wires.**



7. Connect ground and power for your camera (use an ACC source for power) and run to the front of the vehicle.
8. Connect the video feed from the camera to the RCA among the main power harness labeled 'CAMERA'.
9. Connect the white plug from the **Power/CAN Harness** to the port on the interface labeled 'POWER CAN'.
10. **Optional:** If adding an additional video input (including front camera), connect the video signal to the RCA among the Power/CAN Harness labeled 'FRONT'.
11. Start the car and test for proper functionality before replacing any dash pieces.

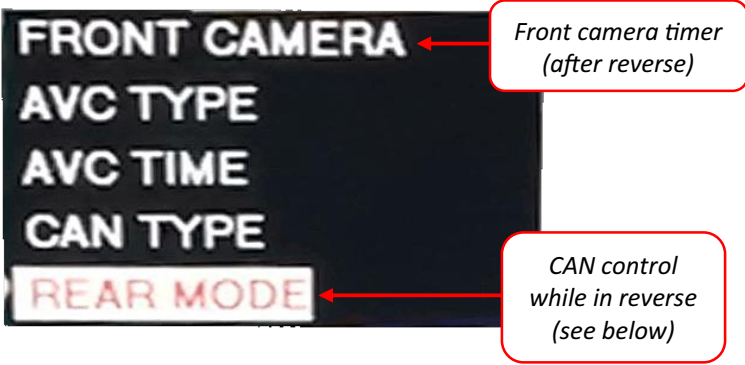
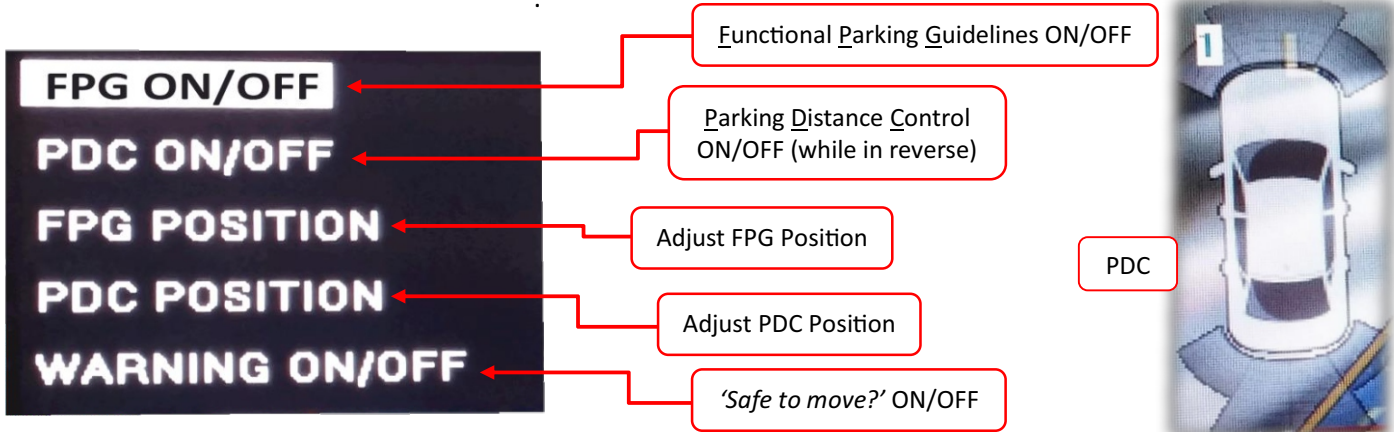
Install Diagram



Menu Adjustments (dynamic guidelines, AUX video, front camera etc)

Before you start:

- The IR-Eye must be connected, (connects to main harness)
- Make sure the car's ignition is on and radio is on
- You must be in **Reverse Camera** mode.
- Press the **OK BUTTON 4 times** (numbers will display per press), then press **POWER**.
- The **OSD Menu** will appear on screen (auto-time out in about 5 seconds if no action occurs)



In the event that **REAR MODE** has been changed to **OEM** or **OFF** and you can no longer access the OSD menu:

Car must be on, radio resting on **Reverse Gear Screen**

2. Press **OK** on the remote **4 times** then press **MODE (not MENU)**. Note: there will be no indication of OK presses this time.

3. Reverse (aftermarket) guidelines should appear. Now press **OK** on the remote **4 times** then press **MENU (not MODE)** to enter the OSD menu as typical.

- **SET – FRON CAM** must be turned on if adding a **front camera and the user wishes for automatic front camera switching**. Options for 5, 7, 9 or 11 seconds are user selectable for the length of time the front camera input stays active once the vehicle is placed out of reverse.



Use if vehicle has OEM reverse camera



Use if adding aftermarket rev camera (default)



Use if adding **only** AUX input/front cam

NOTE: once you have finished adjusting your settings, you must press the power button to save your changes