

RVCVW-73B



VOLKSWAGEN
2012 - 2014 Beetle

REAR-VIEW INTEGRATION INTERFACE W/ CAMERA FOR VOLKSWAGEN BEETLE VEHICLES

We recommend reading this installation guide first before starting any work. Following these instructions from "Start" to "Finish" will ensure a smooth and hassle free installation. We offer telephone support M-F 9:00 AM - 5:00 PM PDT at 1 (855) 822-1348. We are here to help.

PARTS INCLUDED:

- (1) Rear Camera (vw-73B)
- (1) OBD-73B
- (1) VW-73B Interface
- (1) 15 ft. Extension
- (1) VW-73B Harness
- (1) Instruction
- (1) Power Down Circuit

Camera Specifications:

- Lens Angle 170 Degrees
- Resolution 420 TV Lines
- Min. Illumination 0.2Lux
- Voltage 12v
- Operating Temp. -22°F - 176°F
- NTSC/ PAL
- Reference Lines
- Shutter Speed 1/60s - 20us
- Waterproof
- Pixels 656 x 492

PRECAUTIONS:

- Remove the negative side of the battery to avoid any short circuits during the installation.
- Do not install the interface near any major components or near the HVAC system. This may cause damage or overheating to the vehicle.
- **Do not disconnect the airbag connection behind the radio panel.**

PRELIMINARY:

Please read the entire manual before installing this interface.

INSTALLING THE CAMERA AND CABLE

1. Open trunk and find a location that will allow you access to the license plate area. If no pass area, you may need to drill your own.
2. Remove the left side light above the license plate, disconnect and remove the light bulb from the light assembly.
3. Insert the light bulb into the new camera housing.
4. Place the new camera housing into the empty slot above the license plate, and fish the wires through your pass through.
5. Remove the factory radio to gain access to the factory connectors.
6. Make the power and video connections and route the rest of the wiring to the front. Also tap at the reverse light for your trigger.
7. Route the wires behind the radio and make power and video connections.

USING THE POWER DOWN CIRCUIT

The power down circuit is designed to extend the life of the camera. Note: The green wire is only used to power on the camera and module.

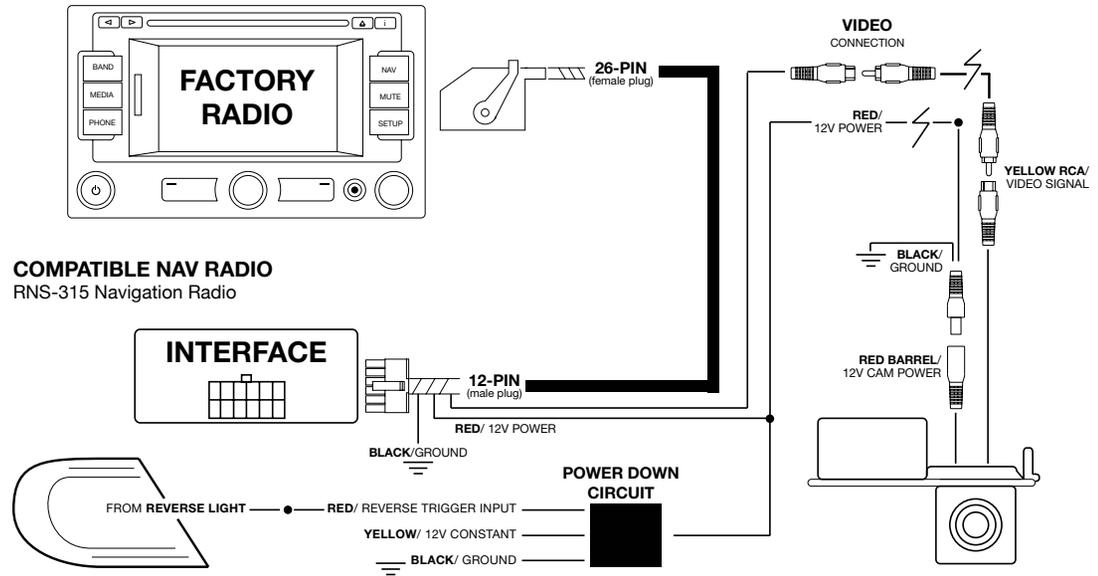
1. Tap the GREEN wire to two red wires, one coming from the camera and one coming from the module.
(This will provide the camera with a safe guard)
2. Locate the reverse light trigger wire in the vehicle and connect it to the RED wire. (This will trigger the 12v input)
3. Connect the YELLOW to any available constant source in the car.
4. Connect the BLACK wire to any ground source in the car.

Important Note:
Do Not Remove Air Bag Connector,
May cause error to system.

INSTRUCTIONAL VIDEO

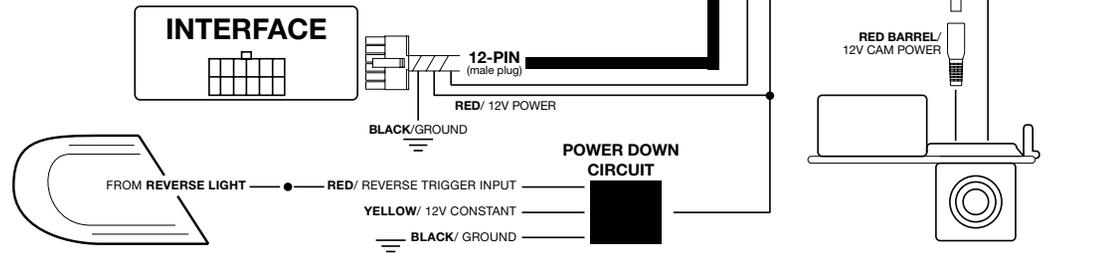
For further instructions on how to install the reverse camera please visit: www.cruxinterfacing.com/support

INSTALLATION OVERVIEW



COMPATIBLE NAV RADIO

RNS-315 Navigation Radio



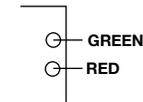
USING THE OBD-73B

In order for the vehicle's system to recognize the camera and engage it when in reverse, the vehicle's system must be coded.

Reading the LED's color and pattern:

Flashing LED	Coding Vehicle
Solid Green LED	Activated
Solid Red LED	Deactivated
Solid Red & Green LED	Error

LOCATED NEXT TO THE 8-PIN

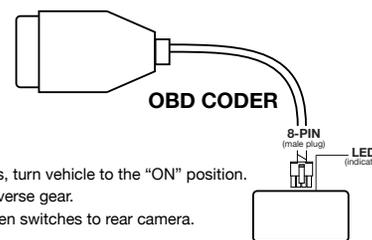


HOW TO ACTIVATE:

1. Enter the vehicle and close "All the doors" to the vehicle.
2. Turn the key to the "ON" position.
3. Plug the OBD coder to the vehicle, wait for the OBD to code the car and give you a solid LED status. (See chart above)
4. The radio may flash a few times during this process.
(ETA to code vehicle: 5 seconds) If error: Retry steps.
5. After coding is complete, disconnect OBD from vehicle and store in a safe place. This OBD is VIN specific, your vehicle's VIN will stored in its memory. Will not work for any other vehicles.

Remember:

Disconnect OBD from vehicle but keep it stored in the vehicle.



Testing:

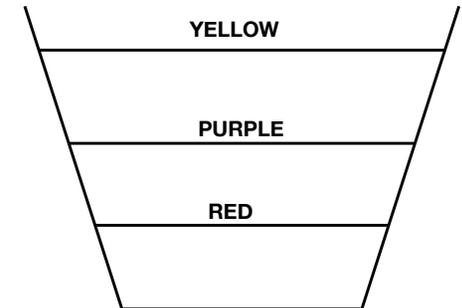
1. Close all doors, turn vehicle to the "ON" position.
2. Engage the reverse gear.
3. Verify the screen switches to rear camera.
4. Done

The parking lines are there to assist you while reversing.

What the lines mean:

- Yellow Line: CLEAR
- Purple Line: GETTING CLOSE
- Red Line: WARNING - VERY CLOSE

To remove the parking lines simply cut the GREEN wire located near the 4 pin tail connector in the truck.



TROUBLE SHOOTING

1. No video display while in reverse.
- Make sure the trunk is closed, as this will dis-engage the camera while in reverse.

Tech Tip: If asked for a "CODE" on the radio display after you have connected the interface and powered ON the car, DO NOT enter a code, simply wait 10 Seconds then turn OFF the vehicle. Normal operation should resume after.