

NAV-TV

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W205-RVC

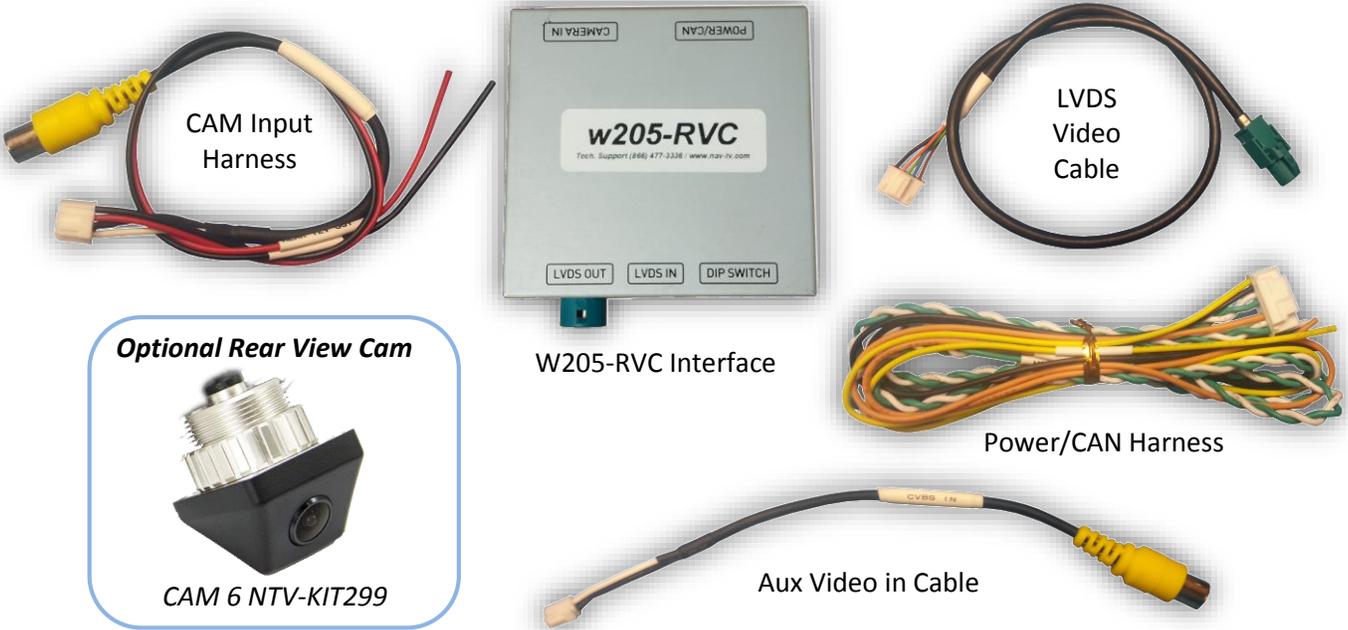
NTV-KIT580



Overview

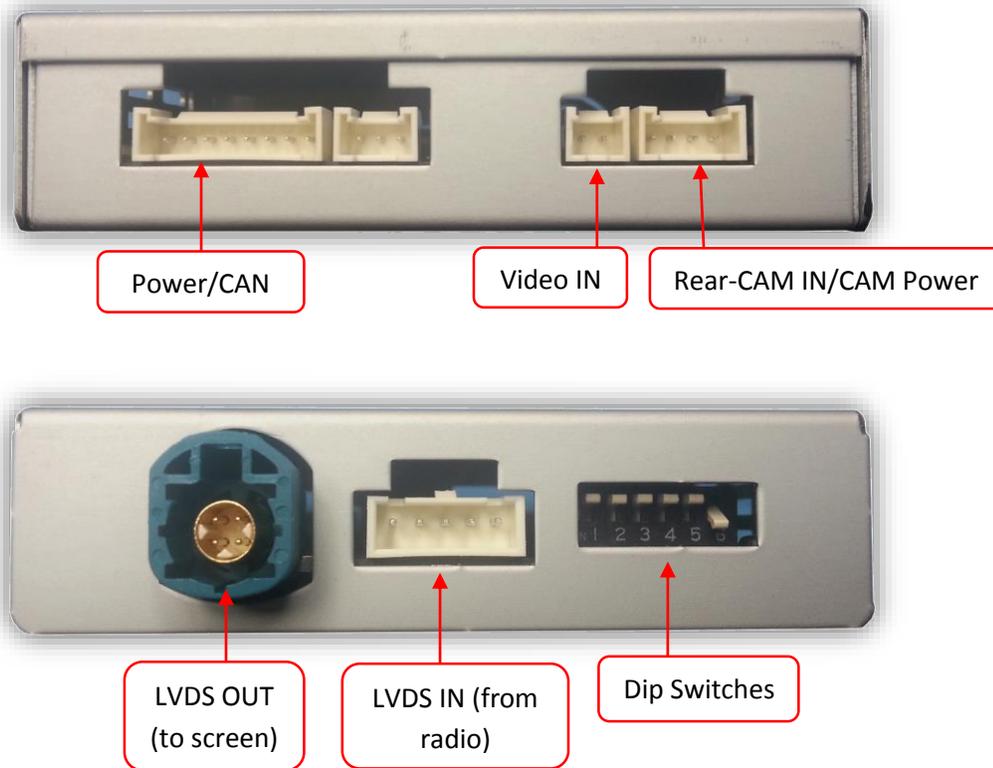
The W205-RVC Kit allows the user to add a backup camera input (with active parking lines!) and 1 video input to the factory media screen in select 2015 Mercedes vehicles with the *new* infotainment system. Installation is performed entirely behind the radio (disc player).

Kit Contents



Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

Interface Connectors



Dip Switch Settings

	Rear Camera	Aux Video	N/A	Vehicle*	N/A	Screen Size
Dip Sw:	1	2	3	4	5	6
UP	OFF	OFF	Keep UP	CAN TYPE 1	Keep UP	8.4" Monitor
DOWN	ON	ON		CAN TYPE 2		7" Monitor



CAN TYPE 1: PAS-CAN wires are Yellow/White & Yellow

CAN TYPE 2: PAS-CAN wires are Brown/Red & Brown

*See Installation on page 4

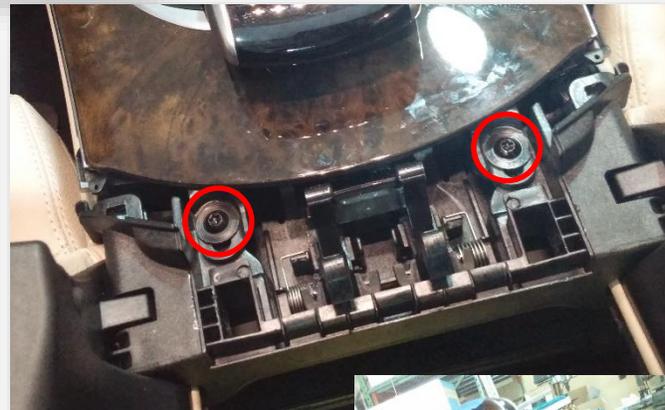
***Note: Remove power to the unit prior to making adjustments to the dip switches.**

Dash Removal ('15 C-Class)

1. Use a plastic tool to remove the silver trim behind the COMAND touchpad controller. You will have to open the center console and press the arm rest locks forwards for clearance:



2. Remove (2x) Torx 20 screws hidden beneath the silver trim piece in step 1:



3. Lift up the entire dash panel to just beneath the screen and disconnect all (6) plugs. Set the dash panel aside in a safe place.
4. Unscrew (2x) Torx 20 screws securing the radio to the sub dash. These screws are not designed to be removed from the radio clamps.

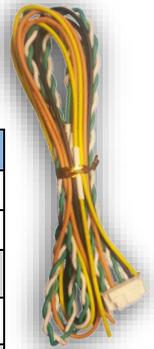


5. Remove the radio by pulling it towards you.



Installation

1. With the radio removed, disconnect all harnesses and set the radio aside.
2. Gather the provided **'Power/CAN Harness'** from the W205-RVC kit. Solder the following wires to the smaller black plug, located in the *car radio's main power plug*:

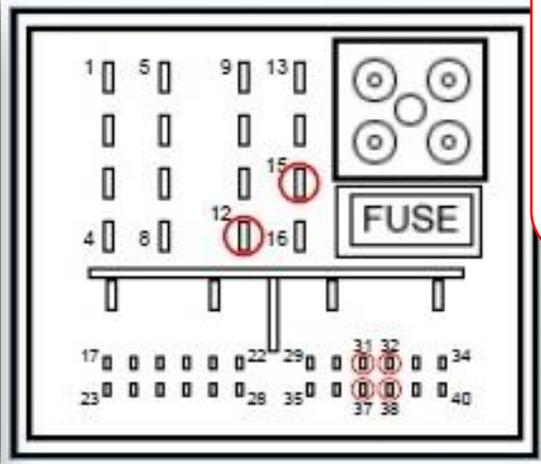
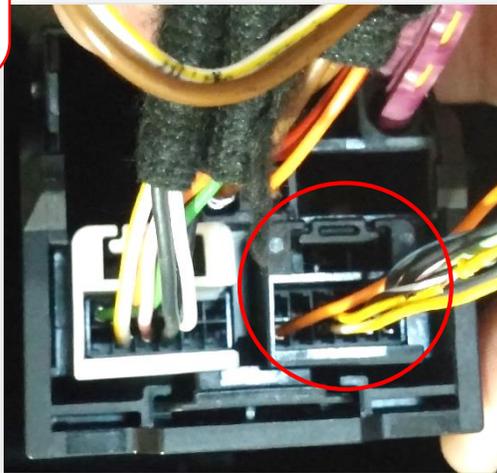


Interface wires	Connect to car	Radio Plug
Black (Ground)	Chassis Ground	PIN 12 (Brown)
Yellow (Constant 12v)	Constant 12v (+)	PIN 15 (Red)
White (MON-CAN H)	CAN HI	PIN 38 (Black/White)
Green (MON-CAN L)	CAN LO	PIN 32 (Black)
White (PAS-CAN H)	CAN HI	PIN 37* (Yellow/White or Brown/Red)
Green (PAS-CAN L)	CAN LO	PIN 31* (Yellow or Brown)

Orange

'Reverse 12v in' wire from this harness is only used when reverse over CAN does not function.

*If PAS-CAN wires are brown/red & brown, Dip Switch #4 must be in the **DOWN** position

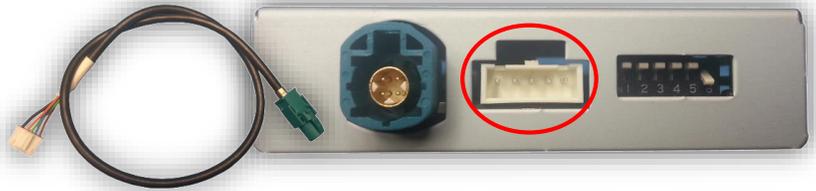


3. Locate the factory **Dark Blue**, 4-pin round connector (LVDS) that was removed from the radio in step 1 from the port on the radio labeled **'DISP'**. Connect this factory plug to the W205-RVC interface at the port labeled **'LVDS OUT'**.



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4. Connect the smaller white plug side of the provided **LVDS Video Cable** to the port on the W205-RVC interface labeled '**LVDS-IN**'.



5. Connect the free end of the provided **LVDS Video Cable** back to the factory radio at the '**DISP**' (dark blue) port.



6. Connect the provided **Cam input harness** to the 4-pin port on the W205-RVC interface labeled '**CAMERA IN**'.



7. Connect ground and power for your camera to the **black** (GROUND) and **red** (Reverse 12V OUT) wires from the provided **CAM input harness**. **NOTE:** This power source will supply 12v whenever the vehicle is in reverse gear.

8. Connect the white plug from the '**Power/CAN Harness**' to the port on the W205-RVC interface labeled '**POWER/CAN**'.

9. **Optional:** If adding an additional video input, connect the provided '**Video in Harness**' to the 2-pin port on the interface labeled '**CAMERA IN**'. *Note: if AUX Video/front camera is desired, dip switch #2 must be in the ON (down) position. By default, placing the vehicle in drive will show this AUX video source briefly. This option is selectable via the Menu, see 'Operation' on the next page.*



10. Start the car and test for proper functionality before replacing any dash pieces.

Car won't start after installing this module? Follow this procedure:

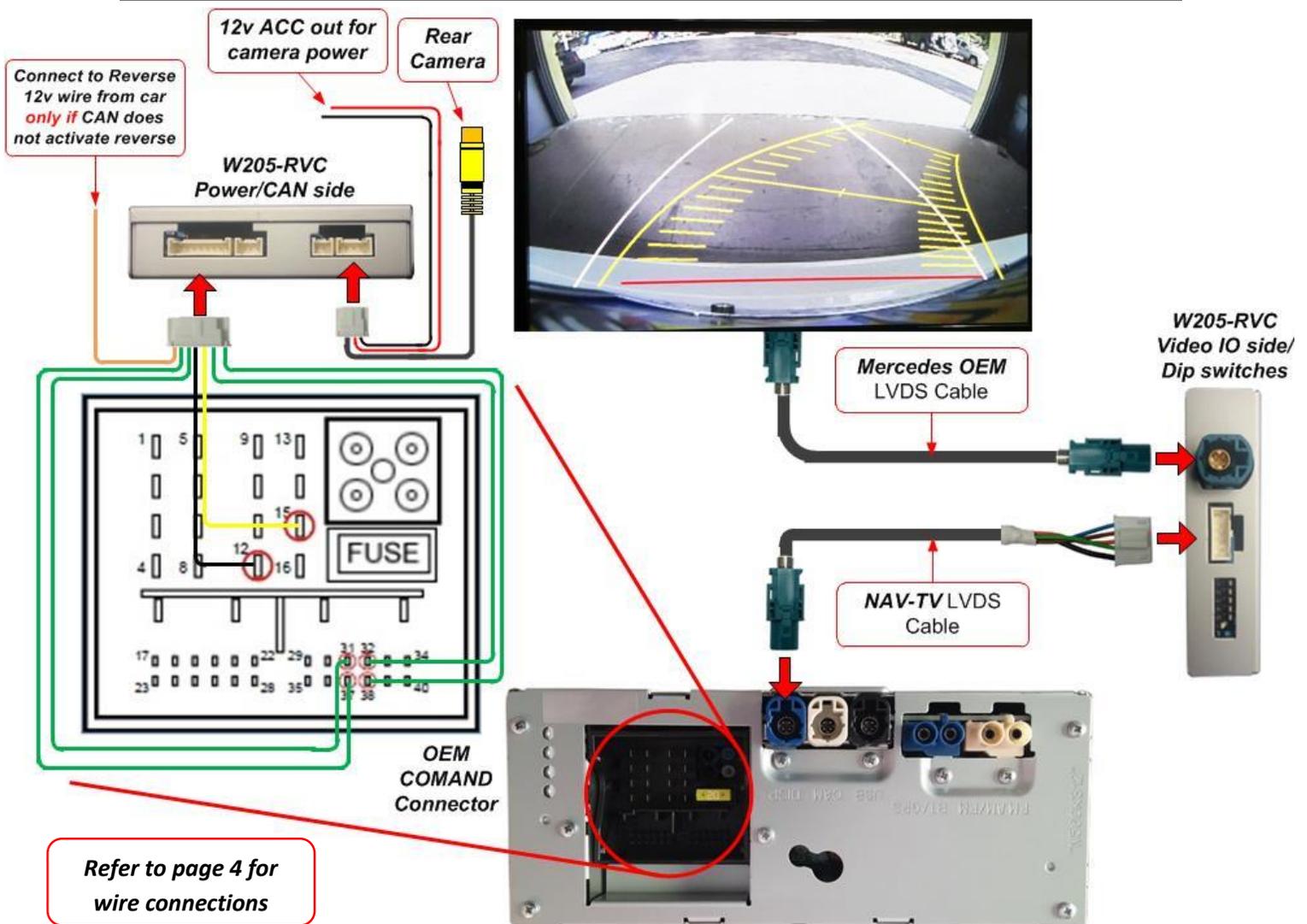
1. Unplug the module power, then put Dip Switch #4 DOWN.
2. Re-connect power to the module, cycle the key to IGN once, then back to off.
3. Disconnect the module again, leave it un-powered for 5 minutes.
4. Re-connect the module, leaving Dip Switch #4 DOWN and test.

Parking Sensors Note

- If this vehicle *is not equipped with OEM parking sensors*, remove the displayed sensor bar from the rear camera image by entering into the MENU (see next page) and selecting 'OFF' where applicable under 'Rear view camera settings'. Don't forget to select 'Save' when complete.



Basic Connection Diagram

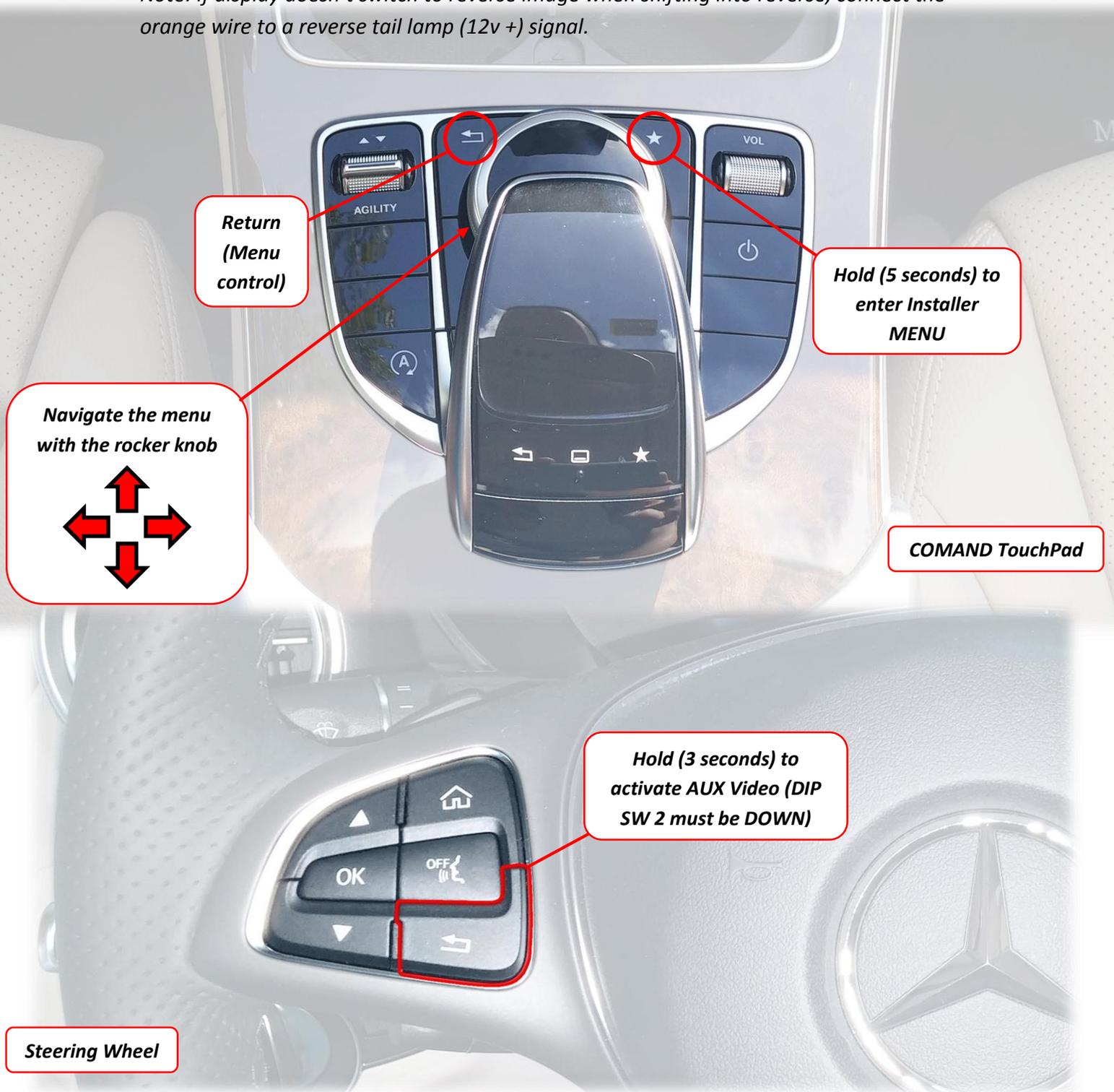


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W205-RVC Operation

- **Once the W205-RVC is connected properly, reverse activation is automatic. Placing the vehicle in reverse will display the connected camera's image automatically.**

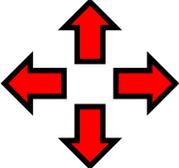
Note: If display doesn't switch to reverse image when shifting into reverse, connect the orange wire to a reverse tail lamp (12v +) signal.



**Return
(Menu
control)**

**Hold (5 seconds) to
enter Installer
MENU**

**Navigate the menu
with the rocker knob**



COMAND TouchPad

**Hold (3 seconds) to
activate AUX Video (DIP
SW 2 must be DOWN)**

Steering Wheel

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