

NAV-TV

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A3/GOLF 7-CAM

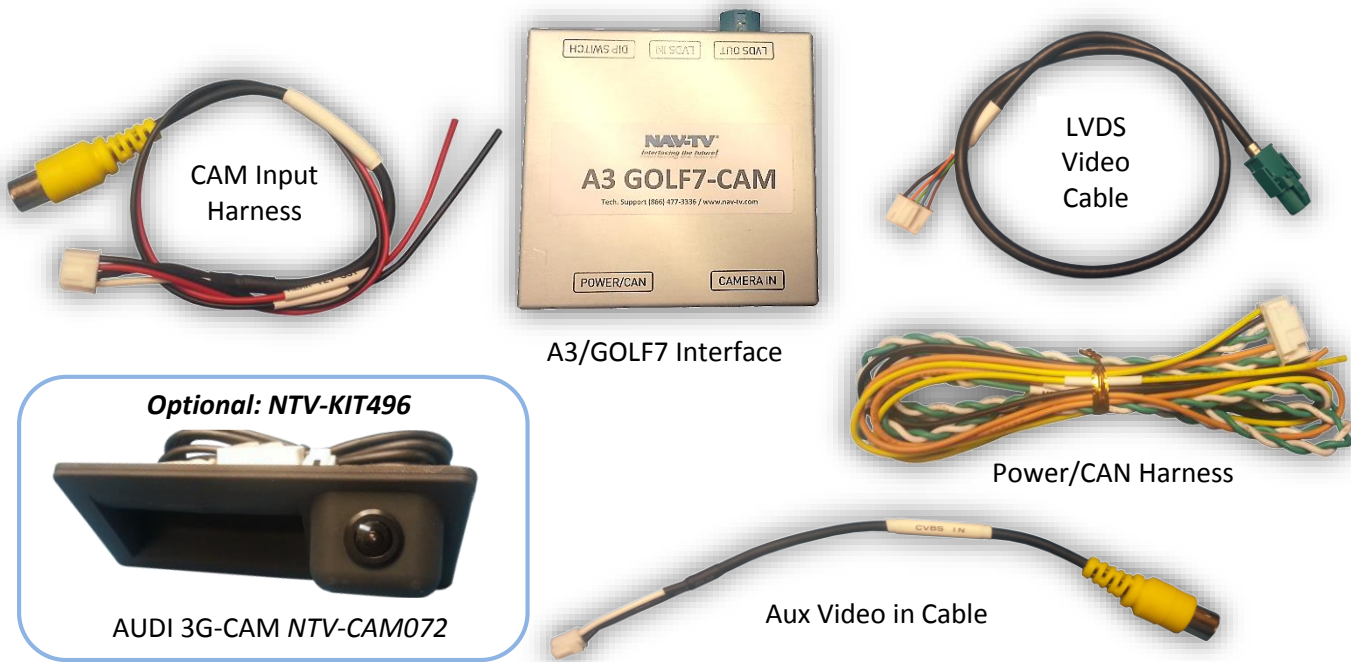
NTV-KIT500



Overview

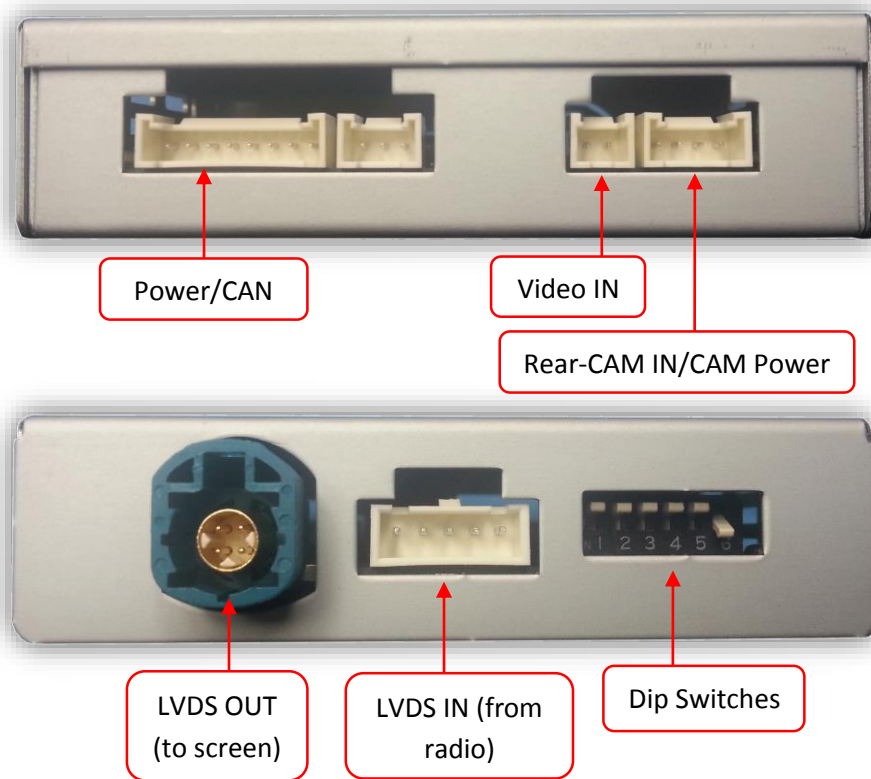
The A3/GOLF7-CAM Kit allows the user to add 1 video input and a backup camera input (with active parking lines!) to the factory media screen in the 2014 Audi A3 or VW Golf 7. Installation is performed behind the MMI (inside glove box).

Kit Contents

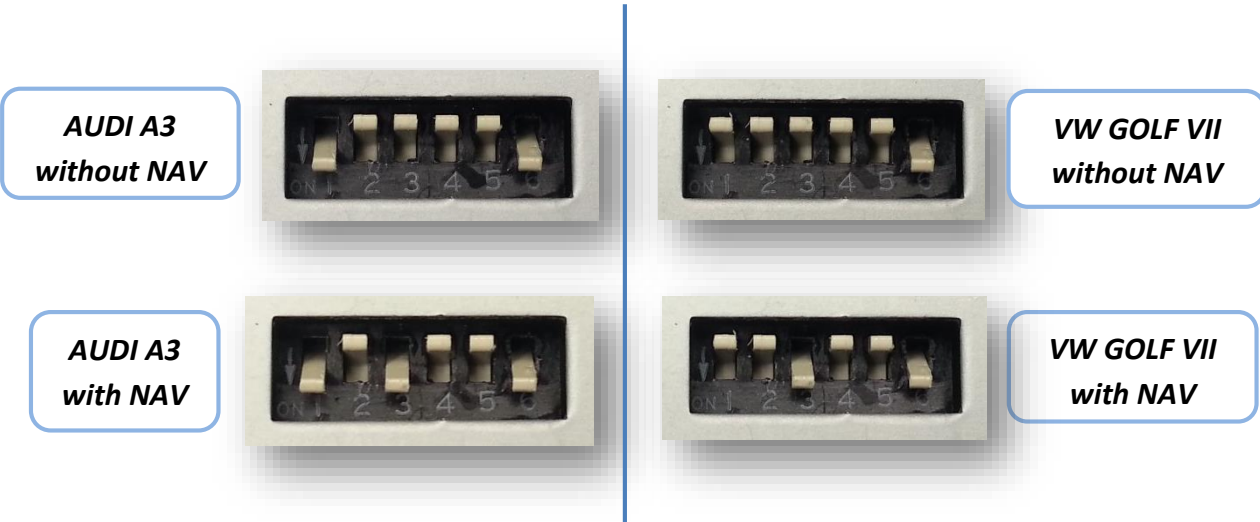


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Interface Connectors



Dip Switch Settings Quick Reference



Settings shown here are with MENU set to ON and AUX VIDEO set to OFF. See next page for further adjustments.

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Dip Switch Settings* Extended Information

Audi A3 (No NAV)		Car Select	Aux Video	Resolution	N/A	N/A	Menu
	Dip SW:	1	2	3	4	5	6
	UP		OFF	X	X	X	OFF
	DOWN	X	ON				ON

Audi A3 (With NAV)		Car Select	Aux Video	Resolution	N/A	N/A	Menu
	Dip SW:	1	2	3	4	5	6
	UP		OFF		X	X	OFF
	DOWN	X	ON	X			ON

Golf VII (No NAV)		Car Select	Aux Video	Resolution	N/A	N/A	Menu
	Dip SW:	1	2	3	4	5	6
	UP	X	OFF	X	X	X	OFF
	DOWN		ON				ON

Golf VII (With NAV)		Car Select	Aux Video	Resolution	N/A	N/A	Menu
	Dip SW:	1	2	3	4	5	6
	UP	X	OFF		X	X	OFF
	DOWN		ON	X			ON



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

IMPORTANT DIP SWITCH NOTES:

- **AUX Video:** Default use for AUX Video is for a front camera image. *This is why AUX video shows for ~10 seconds when the vehicle is placed in **drive**.* This command is adjustable in the **Menu**. Make sure dip switch #6 is **down** in order to enter the **Menu**.
- **Car Select:** If the car does not switch to the reverse image when in reverse, try placing dip switch #1 in the other position.
- **Resolution:** Down for high-res, larger screens (typically with navigation). Up for lower-res, smaller screens (typically without navigation).

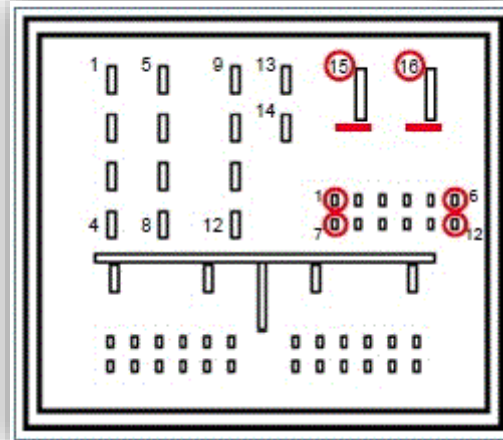
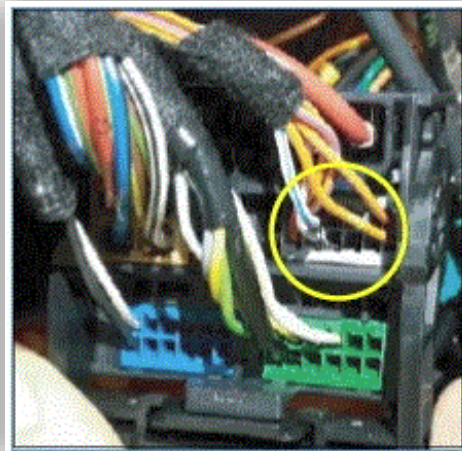
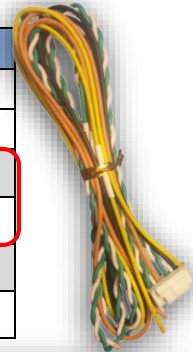
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Installation

1. With VW radio keys, remove the MMI located in glove box. Disconnect any associated harnesses and set the radio aside.
2. Gather the provided **'Power/CAN Harness'** from the A3/GOLF7 kit. Connect the following wires to the *car radio's main power plug**:

Interface wires	Connect to car	Radio Plug
Black (Ground)	Chassis Ground	PIN 15 (Brown)
Yellow (Constant 12v)	Constant 12v (+)	PIN 16 (Red/Yellow)
White (MON-CAN H)	CAN HI	PIN 1 (Orange/Black)
Green (MON-CAN L)	CAN LO	PIN 7 (Orange/Brown)
White (PAS-CAN H)	CAN HI	PIN 6 (Orange/Violet)
Green (PAS-CAN L)	CAN LO	PIN 12 (Orange/Brown)

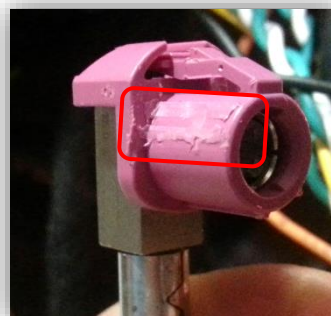
*Note: These connections are not used for VW GOLF VII.



3. Locate the factory **Pink (For AUDI's with NAV, this connector is GRAY)**, 4-pin round connector that was removed from the radio in step 1. Connect this factory plug to the A3/GOLF7 interface at the port labeled **'LVDS OUT'**.*

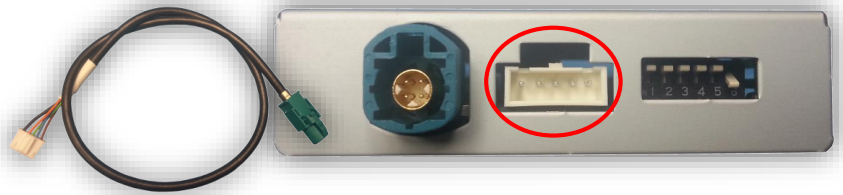


*NOTE: You may need to shave some keyways on the factory connector in order for it to fit into the LVDS-IN plug.



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4. Connect the smaller white plug side of the provided **LVDS Video Cable** to the port on the A3/GOLF7 interface labeled '**LVDS-IN**'.



5. Connect the free end of the provided **LVDS Video Cable** back to the factory radio at the appropriate port.

6. Connect the AV Input cable to the 4-pin port on the A3/GOLF7 interface labeled '**CAMERA IN**'.

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



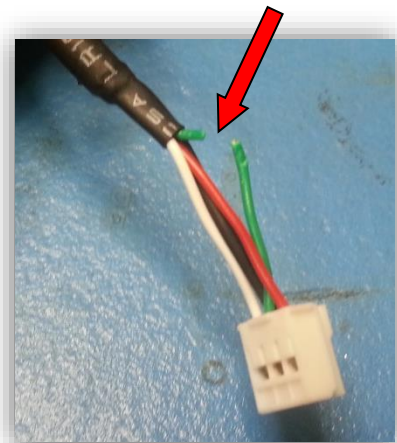
8. Connect the white plug from the '**Power/CAN Harness**' to the port on the A3/GOLF7 interface labeled '**POWER/CAN**'.

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 adding an additional video input, dip switch 2 must be in the **down** position. By default, AUX Video is used for a front camera (which will show the AUX image for ~10 secs when in Drive), this option is adjustable via the main Menu.*



10. **Optional:** If you're installing the optional **AUDI 3G-CAM**, remove the grid lines by cutting the **green wire** near the connector:

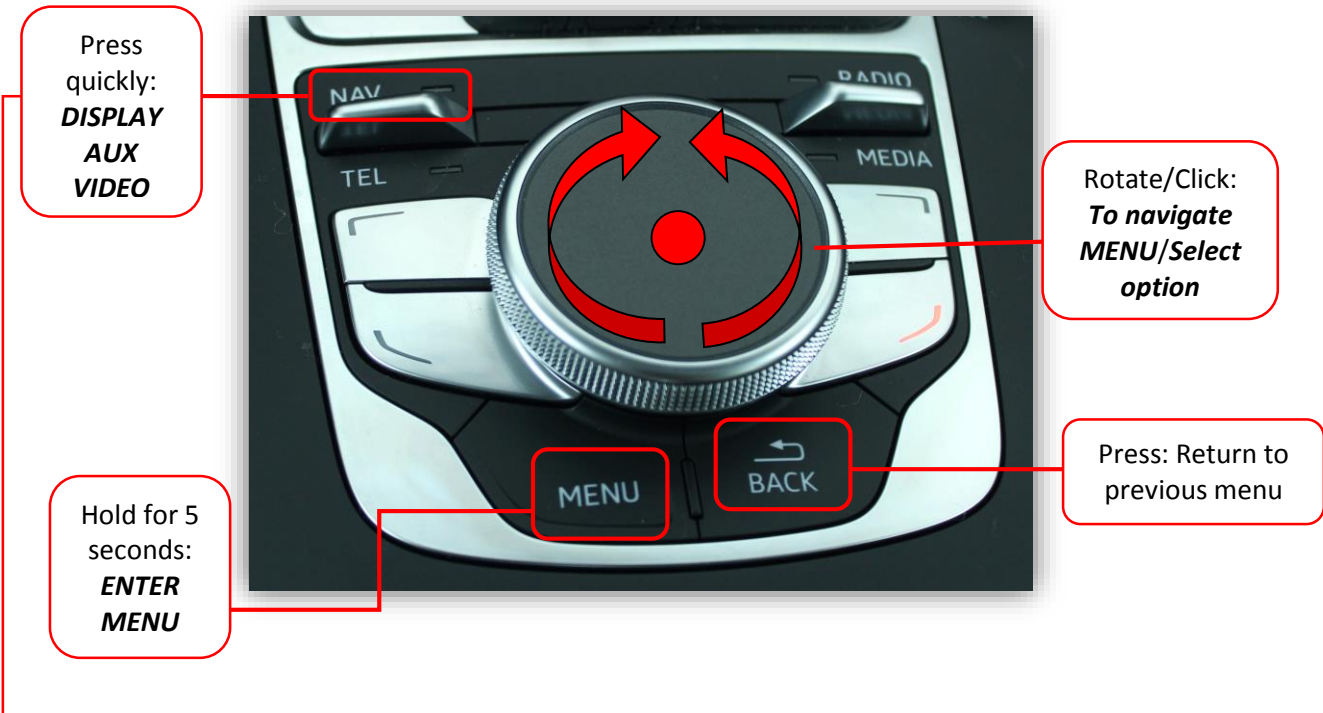


Installation continues on next page...

11. **GOLF VII ONLY: If this car does not have OEM PDC (Parking sensors in the rear bumper), you MUST setup this module differently. Follow the steps below:**
 - a. Disconnect the main **Power/CAN** connector from the module
 - b. Locate the dip switches on the side of the module and verify that **dip switch 6 is DOWN** (the rest are less important).
 - c. Re-connect the main **Power/CAN** connector. Turn the car on and wait for the radio to boot and settle.
 - d. **Press and HOLD** the '**OK**' button on the steering wheel for 5 seconds. An OSD menu will appear on the factory media screen.
 - e. Navigate to **PDC** under **Rear view camera settings** and turn this option **OFF**.
 - f. Save the configuration and return to the factory screen.

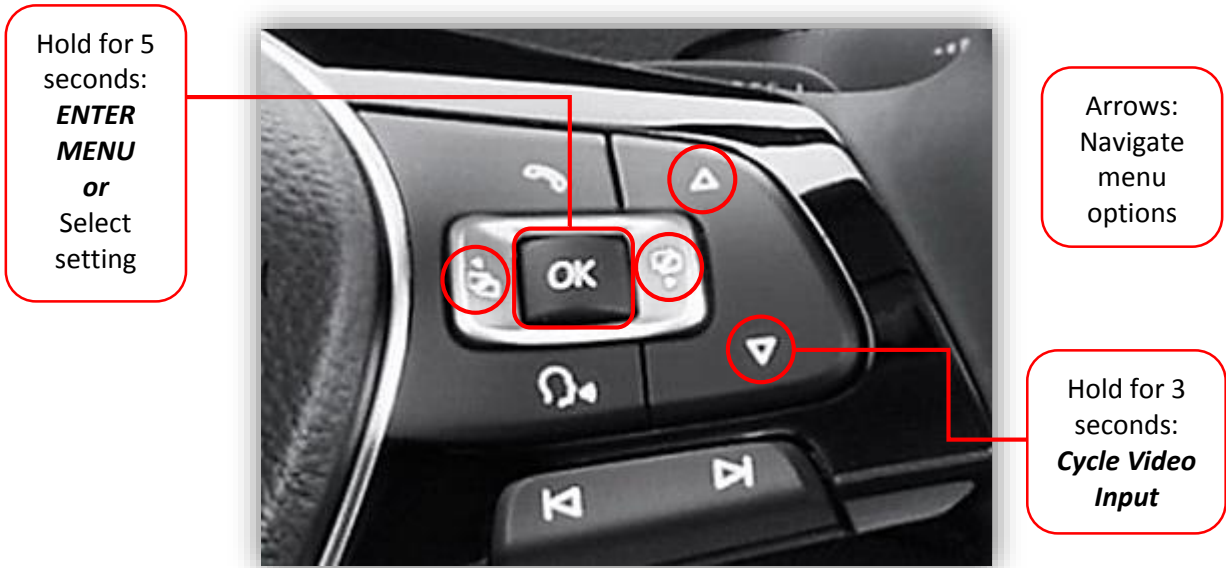
12. Start the car and test for proper functionality before replacing any dash pieces.

A3 Controls (MMI knob)



Not shown: **iNAV button** on steering wheel: hold for 3 seconds to display AUX Video (DIP SW 2 must be down)

GOLF 7 Controls (steering wheel)



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