



# Radio Replacement Kit Fits Select Ram Models\* 1500 Classic 2019-2024 1500/2500/3500 2013-2018 \*with 8.4" touchscreen

Trailer brake control system not retained / Rear Cargo Camera not retained

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#### **KIT FEATURES**

- Stereo installation kit designed to fit any standard 4" tall ISO Double-DIN aftermarket radio
- Designed for models w/factory 8.4" screen Reta
- Retains factory climate control buttons and adds factory-style hard buttons with laser etched graphics
- Built-in OLED screen displays the visual status of climate functions such as temperature, fan speed, and vent mode
- Retains steering wheel functionality
  - Painted scratch-resistant matte black
     with chrome accents

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## **WIRING & ANTENNA CONNECTIONS**

Wiring Harness: Axxess interface built into display screen Antenna Adapter: Included with kit

## **TOOLS REQUIRED**

- Panel removal tool Phillips screwdriver
- 9/32" socket wrench T-20 Torx driver

ATTENTION: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product. NOTE: Refer also to the instructions included with the aftermarket accessory before installing this device.

## **KIT COMPONENTS**

- A) Radio trim panel B) Radio brackets C) Display screen and button assembly
- D) #8 x 1/2" Phillips screws (4) E) Panel clips (4) Not Shown: Interface buttons: (5) blanks and (5) with graphics



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REV. 5/28/25 INST95-6558B

# DASH DISASSEMBLY

- Remove the rubber tray liner inside the tray at the top center of the dash, then remove (2) Torx T-20 screws exposed. (Figure A)
- 2. Remove the rubber tray liner from inside the small pocket on the passenger side of the center dash panel, then remove (1) Torx T-20 screw exposed. (Figure B)



(Figure A)



(Figure B)

- **3.** For models with a center console:
  - a. Remove the rubber liner from the storage tray in front of the center console, then remove (2) Phillips screws exposed. (Figure C)
  - **b.** Remove the rubber liner from the middle of the center console, then remove (1) Phillips screw exposed. (Figure C)
  - c. Remove the rubber liner from the rear of the center console, then remove (2) Phillips screws exposed. (Figure C)
  - **d.** Unsnap and remove the top of the center console.

Continued on the next page



(Figure C)



# DASH DISASSEMBLY (CONT.)

- **4.** Unsnap and remove the entire center dash panel. (Figure D)
- Remove (4) 9/32" screws securing the radio/display screen. Slide the screen out, then unplug & remove. (Figure E)
- 6. The factory rear support will need to be cut or removed to allow space for the aftermarket radio. Different variations of this support may require additional cutting. (Figure F)







(Figure D)

(Figure E)

(Figure F)

Continue to Kit Preparation

# **KIT PREPARATION**

## From the factory center dash panel:

- 1. Remove (13) Phillips screws securing the radio/climate control panel, then remove. (Figure A)
- 2. Remove the (3) radio and climate control knobs by pulling them out of the panel (Figure B)
- **3.** Remove the (5) Torx T-20 screws from the back cover of the radio/climate control assembly. (Figure C)

Continued on the next page



(Figure A)



(Figure C)



# KIT PREPARATION (CONT.)

## From the factory center dash panel: (cont.)

- **4.** Remove the radio/climate control assembly from the dash panel (Figure D)
- **5.** Remove the light pipes from the dash panel. (Figure E)

## To the 95-6558B center dash panel:

**6.** Install the light pipes into the Metra dash panel (Figure F)

Continued on the next page





(Figure E)



(Figure F)

# KIT PREPARATION (CONT.)

## To the 95-6558B center dash panel: (cont.)

- Install the radio/climate control assembly into the dash panel using the (5) factory screws (Figure G)
- 8. Install the (3) knobs in the panel (Figure H)
- **9.** Place the **radio trim panel** onto the factory panel, then secure using (9) of the factory screws removed in step 1. Use the (4) included #8 x 1/2" Phillips screws to secure the **display screen and button assembly** last. (Figure I)

Continue to Kit Assembly







# **KIT ASSEMBLY**

 Secure the radio brackets to the radio using the screws supplied with the radio, and then secure into the dash opening. (Figure A)

> Continue to Axxess Interface Installation



(Figure A)

# **AXXESS INTERFACE INSTALLATION**

## **INTERFACE FEATURES**

- Can be used in amplified or non-amplified models
- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides illumination, parking brake, reverse, and speed sense outputs
- Retains audio controls on the steering wheel
- · Allows retention and adjustment of the personalization options
- Retains safety chimes
- Retains the factory backup camera
- Retains the factory AUX-IN jack (base models only)
- Retains balance and fade\*
- Micro "B" USB updatable

\* Non-amplified models only

## **INTERFACE COMPONENTS**

- Axxess interfaces
- Vehicle harness (LD-BX-CH5)
- 16-pin harness (LD-2NAVAMP)
- Hazard harness (LD-CHRYTAC)
- 3.5mm adapter

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## **TOOLS REQUIRED**

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape Wire cutter Zip ties

**Attention!** This interface will work with models that are either non-amplified, or amplified. Please follow the instructions carefully for your model vehicle. Failure to do so will result in either no sound, or low sound. If you are unsure if your vehicle is factory amplified or not, please contact your local dealership.



## **CONNECTIONS: NON-AMPLIFED**



## **CONNECTIONS: AMPLIFED**





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# **INSTALLATION**

## From: 6558

## With the vehicle completely off:

- Connect 16-pin connector to interface
- Connect 22-pin connector to interface
- From the LD-BX-CH5 & LD-CHRYTAC harnesses, connect the 2-pins (labeled :1) to each other 3.
- Connect the 2-pin (labeled HVAC to A) 4.
- Connect LD-BX-CH5 harness to vehicle 5.
- Connect the 12-pin of the LD-CHRYTAC to the HVAC LCD SCREEN 6.
- Locate the factory antenna connector in the dash and complete all necessary connections 7. to the radio. Use the antenna adapter provided to adapt the factory antenna to the aftermarket radio.





## **Description of button Assignments**



Direction of air flow

MAX Max A/C A/C



Driver enable/disable heated seat

Enable/disable heated steering



Driver enable/disable cool seat

wheel









Passenger enable/disable cool seat



Fan Speed Control (push button to activate Auto)

Note: Heated seat, vented seat and heated steering wheel buttons have been included for vehicles with those options. Blank buttons have been included for vehicles without those options.

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## PROGRAMMING

#### For the steps below, the LED located inside the interface can only be seen while active.

## The interface does not need to be opened to see the LED

- Start the vehicle.
- Connect the vehicle harness to the wiring harness in the vehicle.
- The LED will initially turn on solid **Green**, then turn off for a few seconds while it auto detects the radio installed
- The LED will then flash **Red & Green** in different patterns (see chart) indicating which radio is connected to the interface, and then turn off for a couple of seconds. Pay close attention to the **RED & Green LED pattern**. This will help in troubleshooting, if need be. Refer to the LED Feedback section for more information.
- After a couple seconds the LED will turn on solid **Red** while the interface auto detects the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
- Once the vehicle has been auto detected by the interface, the LED will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
- Test all functions of the installation for proper operation, before reassembling the dash. If the interface fails to function, refer to **Resetting the Interface Functions** of this product.

**Note:** The LED will turn on solid **Green** for a moment, and then turn off under normal operation after the key has been cycled.



# **STEERING WHEEL CONTROL SETTINGS**

**LED Feedback:** The **Red & Green LED** flashes represent different radio manufacturer for the **SWC interface** to detect. For example, if you are installing a **JVC** radio, the **SWC interface** will flash **Red** (1) time, then stop. Following is the **LED Feedback Legend,** which indicates the flash count of the radio manufacturer.

RADIO	LED PATTERN	
Pioneer/Jensen	G	
JVC	R	Ľ
KENWOOD	GG	
SONY/DUAL	GR	<u>й</u> й
Reserved for future use	RG	<u> </u>
ALPINE	RR	<u> </u>
ALPINE (type 2)	GGG	
AXXERA	GGR	
AXXERA (type 2)	GRG	
MAGNADYNE	GRR	

	CLARION (type 1)	RRG	
	CLARION (type 2)	RRR	
	Reserved for future use	GGGG	
	Reserved for future use	GGGR	
	Reserved for future use	GGRG	
	Reserved for future use	GGRR	
	Reserved for future use	GRGG	
	Reserved for future use	GRGR	
	Resistive Radio #1	GRRG	
	Resistive Radio #2	GRRR	
)	Resistive Radio #3	RGGG	
	Resistive Radio #4	RGGR	
	Resistive Radio #5	RGRG	
	Resistive Radio #6	RGRR	

BOSS

Reserved for future use

1) If the LED pattern shows JVC, but a JVC radio isn't installed, change the radio type to **Kenwood**. Refer to the **Changing Radio** Type document.

2) If the LED pattern shows Alpine, but an Alpine radio isn't installed, make sure the 3.5mm jack is plugged into the radio.3) If no SWC, change the radio type to the opposite radio type. Refer to the Changing Radio Type document.

Continued on the next page

LED PATTERN

RGG

RGR



**Attention:** The **Axxess Updater App** can also be used to program the following (3) sub-sections as well, after the interface has been initialized and programmed.

## Changing Radio Type

- 1. If the LED flashes do not match the radio you have connected, you must manually program the **steering wheel control portion of this product** to tell it what radio it is connected to.
- **2.** Three (3) seconds after turning the key on, press and hold the **Volume-Down** button on the steering wheel until the LED in the interface turns a solid green.
- Release the Volume-Down button; the LED will go out indicating we are now in Changing Radio Type mode.
- **4.** Refer to the **Radio Legend** to know how many flashes are required to reach the aftermarket radio.
- Press and hold the Volume-Up button until the LED goes solid, and then release. Repeat this step for the desired radio number you have selected.
- **6.** Once the desired radio number has been selected, press and hold the **Volume-Down** button on the steering wheel until the LED goes solid. The LED will remain on for about (3) seconds while it stores the new radio information.
- 7. Once the LED goes off, the **Changing Radio Type** mode will then end. You can now test the steering control wheel controls.

**Note:** If at any time the user fails to press any button for a period longer than (10) seconds, this process will abort.

**Note:** Refer to **LED Feedback Legend** for number of flashes, and for more information regarding specific radios.

	Flash Count Radio Legend		
1 Pioneer/Jensen	10 MAGNADYNE	19 Reserved	
2 JVC	11 BOSS	20 Reserved	
3 KENWOOD	12 Reserved	21 Resistive Radio #1	
4 SONY/DUAL	13 CLARION (type 1)	22 Resistive Radio #2	
5 Reserved	14 CLARION (type 2)	23 Resistive Radio #3	
6 ALPINE	15 Reserved	24 Resistive Radio #4	
7 ALPINE (type 2)	16 Reserved	25 Resistive Radio #5	
8 AXXERA	17 Reserved	26 Resistive Radio #6	
9 AXXERA (type 2)	18 Reserved		

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## Remapping the steering wheel control buttons

Let's say you have **6558 interface** initialized and you want to change the button assignment for the steering wheel controls. For example, you would like "Seek-Up" to be "Mute". Follow the steps below to remap the steering wheel control buttons:

**1.** Ensure the AX-CH5-SWC is visible so you can see the LED flashes to confirm button recognition.

**Tip:** Turning the radio off is recommended.

- 2. Within the first 20 seconds of turning the ignition on, press and hold the "Volume-Up" button on the steering wheel until the LED goes solid.
- 3. Release "Volume-Up", the LED will then go out; "Volume-Up" has now been programmed.
- Follow the list in the Button Assignment Legend, to reference the order in which the steering wheel control buttons need to be programmed.

**Note:** If the next function on the list is not on the steering wheel, press the Volume-Up button for (1) second until the LED comes on, and then release the Volume-Up button. This will tell the 6558 interface that this function is not available and it will move on to the next function.

**5.** To complete the remapping process, press and hold the Volume-Up button on the steering wheel until the LED in the 6558 goes out.

#### **Button Assignment Legend**

I. Volume-Up	<b>6.</b> Mute	11. Play/Enter	<b>16.</b> Fan-Down
<b>2.</b> Volume-Down	7. Preset-Up	12. PTT (Push to Talk)	<b>17.</b> Temp-Up
<b>3.</b> Seek-Up/Next	8. Preset-Down	<b>13.</b> On-Hook	18. Temp-Down
<b>4.</b> Seek-Down/Prev	<b>9.</b> Power	14. Off-Hook	
5. Source/Mode	<b>10.</b> Band	<b>15.</b> Fan-Up	

**Note:** Not all radios will have all of these commands. Please refer to the manual provided with the radio, or contact the radio manufacturer for specific commands recognized by that particular radio.

Continued on the next page

## Dual assignment instructions (long button press)

The 6558 interface has the capability to assign (2) functions to a single button, except Volume-Up and Volume-Down. Follow the steps below to program the button(s) to your liking.

Note: Seek-Up and Seek-Down come pre-programmed as Preset-Up and Preset-Down for a long button press.

- Turn on the ignition but do not start the vehicle.
- Press and hold down the steering wheel control button that you want to assign a long press function to for about (10) seconds, or until the LED flashes rapidly. At this point release the button; the LED will then go solid.
- 3. Press and release the Volume-Up button the number of times corresponding to the new button number selected. Refer to the **Dual Assignment Legend**. The LED will flash rapidly while the Volume-Up button is being pressed, and then go back to a solid LED once released. Go to the next step once the Volume-Up button has been pressed the desired number of times.

Caution: If more than (10) seconds elapses between pressing the Volume-Up button, this procedure will abort, and the LED will go out.

4. To store the long press button in memory, press the button that you assigned a long press button to (the button held down in Step 2). The LED will now go off indicating the new information has been stored.

**Note:** These steps must be repeated for each button you would like to assign a dual purpose feature to. To reset a button back to its default state, repeat Step 1, and then press the Volume-Down button. The LED will go out, and the long press mapping for that button will be erased.

## **Dual Assignment Legend**

<ol> <li>Not allowed</li> </ol>	6. ATT/Mute
2. Not allowed	7. Preset-Up
<b>3.</b> Seek-Up/Next	8. Preset-Down
<b>4.</b> Seek-Down/Prev	9. Power
5. Mode/Source	<b>10.</b> Band

11. Play/Enter 16. Fan-Down \* 17. Temp-Up \* 18. Temp-Down \*

12. PTT

13. On-Hook

14. Off-Hook

15. Fan-Up \*

\* Not applicable in this application





## FACTORY CONTROL PANEL BUTTON FUNCTIONS

Factory Control Panel will vary from vehicles (refer to images provided)

**Note:** Some factory controls are retained (ex. Audio and HVAC can be controlled from factory panel with our 95-6558 installed) the following buttons will not work or will perform a different action.

## Buttons not working or have a different assignment

- Screen OFF : NA
- BACK : EXITS PREVIOUS SCREEN FROM VEHICLE OPTIONS SECTION
- Right Rotary Knob: will change to previous track or cycle through stations. (When button is
  pressed as "Enter" you will be able to cycle through the Vehicle options that were equipped
  with, by turning the knob and then pressing the enter once option is reached. Turn knob to
  make change on option(refer to owner's manual for setting and selectable options)



8.4 NAV with Automatic Temperature Control



## TROUBLESHOOTING

## Resetting the 99-6558 interface

- 1. The Blue reset button is located inside the interface, between the two connectors. The button is accessible outside the interface, no need to open the interface.
- 2. Press and hold the reset button for two seconds, and then let go to reset the interface.
- 3. Refer to "Programming the Interface" from this point.

**Redirecting Vehicle Options** (Vehicle Options may vary, refer to vehicle's owner's manual for vehicle options that came equipped with vehicle) on the HVAC LCD.

- **1.** With vehicle running (On Position/Ignition On)
- 2. Hold SYNC<sup>®</sup> and Vent mode for 8 seconds to reset.



1. Snap the **radio trim panel** over the radio and reassemble the dash in reverse order of disassembly.





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