



AXi-GM2-R INSTALLATION MANUAL

PLEASE REVIEW THIS INSTALLATION MANUAL



PROUDLY MADE IN USA

Rev. 4.0 081915

PLUG & PLAY WIRING HARNESS COMPATIBLE WITH

AXi-RGB1

AXi-RGB2

AXi-RGB3

Tech Support: 844-AXX-ESSI WWW.AXXESSINTERFACES.COM



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IMPORTANT WARNING

This product includes instructions for installation which must be carefully followed. The instructions are worded in such a manner to assume that the installer is capable of completing these type of electronic installations. If you are unclear as to what you are instructed to do or believe that you do not understand the instructions so as to properly and safely complete the installation you should consult a technician who does have this knowledge and understanding.

Failure to follow these instructions carefully and to install the interface as described could cause harm to the vehicle or to safety systems on the vehicle. Interference with certain safety systems could cause harm to persons as well. If you have any questions in this regard please call the Metra Help line at 1-844-299-3774 and for ordering questions call Metra at 1-800-221-0932.

COMPATIBLE VEHICLES		
MAKE	MODEL	YEAR
BUICK	ENCLAVE	2008-2012
BUICK	LUCERNE	2007-2011
CHEVROLET	EQUINOX	2007-2009
SAAB	9-3	2007-2012
SATURN	OUTLOOK	2007-2010
SATURN	VUE	2007-2010
SUZUKI	XL-7	2007-2009

ACCESSORY GROUND REVERSE LOCATION					
MAKE	MODEL	YEAR	ACCESSORY	GROUND	REVERSE
BUICK	ENCLAVE	2008-2012	IGNITION SWITCH	RADIO GND	REV, LIGHT
BUICK	LUCERNE	2007-2011	IGNITION SWITCH	RADIO GND	REV, LIGHT
CHEVROLET	EQUINOX	2007-2009	IGNITION SWITCH	RADIO GND	REV, LIGHT
SAAB	9-3	2007-2012	IGNITION SWITCH	RADIO GND	REV, LIGHT
SATURN	OUTLOOK	2007-2010	IGNITION SWITCH	RADIO GND	REV, LIGHT
SATURN	VUE	2007-2010	IGNITION SWITCH	RADIO GND	REV, LIGHT
SUZUKI	XL-7	2007-2009	IGNITION SWITCH	RADIO GND	REV, LIGHT

Table.1

REAR SEAT ENTERTAINMENT VIDEO SIGNAL LOCATION
<p>General Motors SUV with RSE (Rear Seat Entertainment) system doesn't have a video signal going outside of the RSE system. In order to connect video output of the factory RSE, you must remove the factory RSE system from the ceiling. Inside you will find the cable connecting DVD player and drop down monitor, in that harness locate video signal usually yellow wire and connect RCA wire to the cable and connect that rca to AXXESS.i interface.</p>

Table.2



PRECAUTIONS: Please read before you start the installation.

- Please study these instructions carefully before installing AXXESS.i plug and play wiring harness.
- Many new vehicles use low-voltage or data-bus systems that can be damaged by test lights and logic probes. Test all circuits with a digital multi-meter before making connections.
- Do not disconnect the battery if the vehicle has an anti-theft-coded radio, unless you have the radio code.
- If installing an external push button switch, check with the customer about where to install the switch.
- To avoid accidental battery drainage turn off the interior lights or remove the dome light fuse.
- Roll down a window to avoid being locked out of the car.
- Use of this product in a manner different to its intended way of operation may result in property damage, personal injury, or death.
- Set Parking brake.
- Remove the negative battery cable.
- Protect fenders before starting.
- Using protective blankets to cover front seats, interior of the vehicle and center console.
- Always install a fuse 6-12 inches away from AXXESS.i interface, 5 amp fuse should be used.
- Always secure AXXESS.i interface with Velcro or double side tape to prevent rattling of the interface.
- When securing AXXESS.i interface make sure that panels can be closed back easily.
- Use electrical tape on all you connections and splices, do not leave any exposed connections.
- Route all wires along factory harnesses, try not to drill or make any unnecessary holes.
- Make sure you are not connecting to any data wires; always check your connections with a multi-meter.
- Always use help of a professional installer to prevent any damage to the vehicle or AXXESS.i interface.



WIRING CONNECTIONS

- Before making your connections, plan entire wire routing inside the vehicle prior to starting the installation.
- There are few acceptable ways of making a wire connections:

Solder connections, strip and tape connections and crimp connectors. When soldering connection be careful not drop solder on interior dash panels. When doing strip and tape wiring method, best way is to strip insulation off a wire, make a hole in a wire and route a wire thru a hole and then use tape to insulate. When using crimp connectors make sure not to crimp to insulation as this may cause wire to break.

- Low quality electrical tape is not a reliable insulator. It often falls off in hot weather, always use high quality electrical tape.
- Never twist and tape wires together without soldering.
- Never use fuse taps as they can damage fuse box terminals.
- If you use wire-tap connectors such as T-Taps, avoid using them. These connectors are inferior in quality and should be avoided.
- For help locating accessory , ground and reverse wires please see table.1 on page 3
- If vehicle is equipped with factory RSE (rear seat entertainment) system and customer would like to display factory installed RSE system on the front navigation screen, it is possible to get it done. Simply tap in to the factory video signal with the RCA wire and connect that RCA wire to video 1 input of an AXXESS.i AXi-RGB1/AXi-RGB2/AXi-RGB3 video interface.
For help locating RSE system video signal see table.2 on page 3.

INSTALLATION LOCATION: Connection of AXi-GM2-R replacement flex cable installation is done at the navigation radio headunit. See page 6-10 for details.



Flex Cable Installation

FLEX CABLE HARNESS INSTALLATION:

All connections of AXi-GM2-R flex cable installation harness in General Motors vehicles are done at the navigation radio headunit.

Step 1: Access the flex cable connectors, see page 7-8 step 1-6

Step 2: Disconnect the factory flex cable, see page 8 step 7.

Step 3: Connect main flex cable of AXi-GM2-R, see page 9 step 10.

Step 4: Insert small flex cable of AXi-GM2-R flex cable, see page 9 step 10.

Step 5: Complete steps 8-14

Step 6: Connect AXi-GM2-R flex cable harness to the universal AXi-UNIHAR-R harness supplied with AXi-RGB1/AXi-RGB2/AXi-RGB3.

Step 7: Connect black ground wire of AXi-UNIHAR-R harness directly to chassis ground of the navigation system ground wire. (see table 1 on page 3)

Step 8: Connect red wire of AXi-UNIHAR-R harness to a +12v accessory power source in the vehicle. (see table 1 on page 3)

Step 9: Connect gray wire of AXi-UNIHAR-R harness to emergency brake in the vehicle. (connection is not required if only installing the back-up camera)

Step 10: Connect orange wire of AXi-UNIHAR-R harness to a reverse light in the vehicle. (see table 1 on page 3) If an aftermarket back-up camera is not going to be installed or vehicle is already equipped with a factory back-up camera, DO NOT connect Orange wire.

Step 11: Connect yellow wire of AXi-UNIHAR-R harness the push button switch, and connect other side of the push button switch to a +12V accessory power source. (connection is not required if only installing back-up camera)

Momentary normally open push button should be used for this purpose.

Step 12: Connect AXi-UNIHAR-R harness to AXi-RGB1/AXi-RGB2/AXi-RGB3 AXXESS.i video interface.

If installing an aftermarket back up camera connect it to video input 2, If an external video source is being installed connect it video 1 input.

If installing AXi-RGB2/AXi-RGB3 and blue wire is not used, insulate the end of blue wire with electrical tape.

If installing AXi-RGB3 with HDMI video source you have an option of audio output via 3.5 mm audio jack located next to the main interface plug.

AXi-GM2-R Installation

STEP 1: After you disassemble the dashboard and before you pull the radio out, open the radio face. With the vehicle's ignition ON and the navigation unit ON, press and hold the CD eject button for 20 seconds until the display opens up.



Pic 1

STEP 2: With the display open, disconnect and remove the navigation unit from the vehicle. Place the navigation radio on the flat surface, workbench is a good place for this. Remove the plastic mounting trim from around the body of the navigation unit by releasing the four clips. You will have to disconnect flex cable in the next step.



Pic 2

STEP 3: Disconnect the flex ribbon cable located behind the eject button.



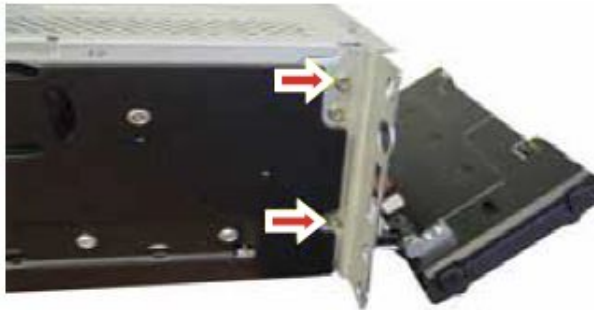
Pic 3

STEP 4: Carefully remove the grey cover by gently peeling away from the body of the navigation unit, starting at the top corners.



Pic 4

STEP 5: Carefully Remove the top and the bottom screws on both the left and right sides on the navigation radio. The center screw is not necessary to remove.



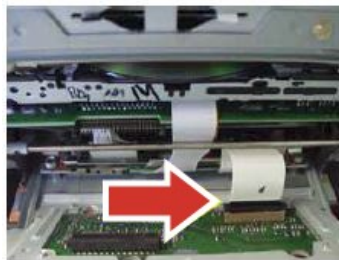
Pic 5

STEP 6: Carefully remove the front metal printed circuit board assembly.



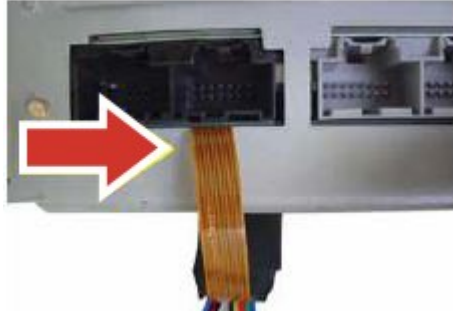
Pic 6

STEP 7: Carefully disconnect the factory flex ribbon cable by lifting up on the black release tab on each side.



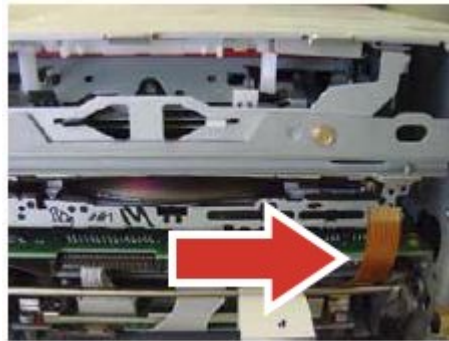
Pic 7

STEP 8: Carefully route extension flex cable under the black connectors thru the back of the navigation unit towards the front opening with the silver contact traces facing down. Use the adhesive tape and secure the pad to the bottom of the navigation unit.



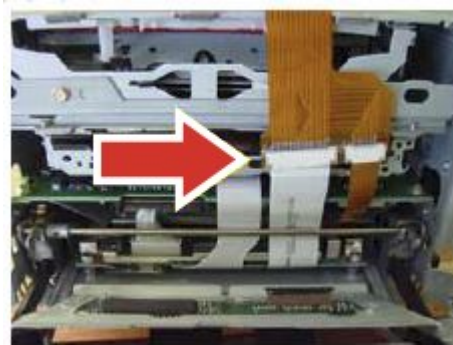
Pic 8

STEP 9: Carefully route extension flex ribbon cable and the factory white ribbon cable to exit the opening directly below the green printed circuit board and above the round metal bar.



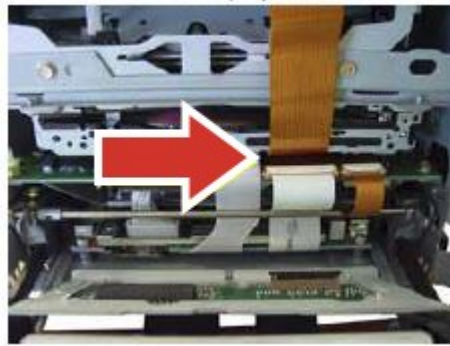
Pic 9

STEP 10: Carefully connect the factory flex ribbon cable and the extension flex ribbon cable to the main flex ribbon cable of AXI-GM2-R.



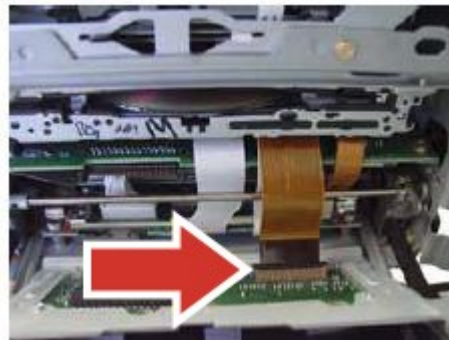
Pic 10

STEP 11: Carefully fold and insert the flex ribbon cable directly below the radio DVD-ROM.



Pic 11

STEP 12: Connect the flex ribbon cable to the metal green printed circuit board assembly with the silver traces facing down, close the black retaining tabs.



Pic 12

STEP 13: Carefully reattach the front metal printed circuit board assembly.



Pic 13

STEP 14: Assemble the navigation headunit in reverse order of steps, starting from step 5 down to step 1.



Testing AXXESS.i Operation

Step 1: Turn on the ignition switch, check to see if status LED is on.

Step2: Test operation of video 1 input/smartphone input (AXi-RGB3), engage the parking brake and press the push button once, video 1 or smartphone(AXi-RGB3) input should turn on. OSD (on screen display) on the screen will display "Video 1" or "smartphone input" (AXi-RGB3) on the top left corner of the vehicles screen, connected video source will display on the screen, if no video source is connected OSD on the screen will display a "no signal" message.

Step 3: If an aftermarket back-up camera was installed, test proper operation of the back-up camera by shifting vehicle into reverse gear. Camera will display on video 2, if no camera is connected OSD on the screen will display a message "no camera connected". Static distance camera lines can be turned ON or OFF, to turn the camera lines OFF, please see installation manual of the (AXi-RGB1/AXi-RGB2/AXi-RGB3) interface you are installing for details.

To go back to the factory navigation/information screen, press and hold the push button for 2 seconds or more. If camera is desired to be displayed while vehicle is driving forward, please connect your camera to accessory power and select video 2 via push button.

Step 4: If video 2 is used as an input for an external video source, turn the static parking lines OFF, please see installation manual of the (AXi-RGB1/AXi-RGB2/AXi-RGB3) interface you are installing for details.

After The Installation

- Test all functions of AXXESS.i Interface.
- Check operation of all dashboard components such Heat and AC controls, hazard lights, headunit operation etc.
- Check to see if all reinstalled panels are mounted properly.
- See page 8 for detailed checklist.



Vehicle Reassembly Checklist

When performing vehicle reassembly, please make sure to go over the list and checkoff check mark boxes :

- Check to see if all connectors behind the screen, radio, HVAC etc. were reconnected.
- Check that LCD screen shuts off with key off, and turns back on with key on.
- Check touch-screen operation.
- Check Heat and AC controls operation.
- Check AM/FM/SAT radio reception.
- Check CD player/changer operation.
- Check GPS signal reception.
- Check cigarette lighter or +12V power source for accessory or constant power.
- Check to see if any other panels that were removed during installation and now being reassembled have all and any electrical connectors reconnected.
- Turn on parking light and check all dashboard lights operation.
- Check all panels for proper fit, make sure no gaps in panels are left behind.

If all steps above are checked off, you will save time, money and have an extremely happy customer.

All above steps eliminate any unnecessary customer comebacks to your shop.

If you require any further assistance please call our tech support line, email or go online WWW.AXXESSINTERFACES.COM

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