

**MZTO-01****INSTALLATION INSTRUCTIONS**

**\* READ IMPORTANT WARNING ON PAGE 2  
BEFORE ATTEMPTING ANY INSTALLATION**

The **MZTO-01** is designed for the 2007-2009 Mazda CX-7 and the 2007-2010 Mazda CX-9 with the Bose amplified sound system. Full balance and fading is retained along with a service connector so the clock on the display can be changed.

**APPLICATIONS**

CX-7	2007-2009
CX-9	2007-2010

**INTERFACE COMPONENTS**

- MZTO-01 Interface
- Radio Side Harness with RCA's
- Car side harness



Axxess recommends MECP  
certified technicians



Axxess recommends MESA  
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INSTMZTO-01

## MZTO-01

### TOOLS REQUIRED FOR INSTALLATION

• Cutting Tool • Small Blade Screwdriver • Tape • Crimping Tool • Connectors (I.E. butt-connectors, bell caps, etc...)

***NOTE:*** The vehicle must be **OFF** before plugging in the MZTO-01. Also after the MZTO-01 has been installed, you must turn the ignition key on for 10 seconds then back off for the MZTO-01 to be initialized.

### 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 HELP LINE OR THE METRA AT 1-800-221-0932 FOR ASSISTANCE.

### WIRING THE MZTO-01

***\*Important:*** Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.

### CONNECTIONS TO BE MADE ON THE RADIO SIDE HARNESS:

1. Connect the **Blue/White** wire to the radios amplifier turn on wire and to the **Blue/White** wire from the Car side harness.
2. Plug the the **White** RCA into the radios Left Front RCA output.
3. Plug the the **Gray** RCA into the radios Right Front RCA output.
4. Plug the **Green** RCA into the radios Left Rear RCA output.
5. Plug the the **Purple** RCA into the radios Right Rear RCA output.

### CONNECTIONS TO BE MADE ON THE CAR SIDE HARNESS:

1. Connect the **Yellow** wire to the radios 12 volt constant/memory wire.
2. Connect the **Red** wire to the radios 12 volt accessory wire.
3. Connect the **Black** wire to the radios ground wire.
4. Connect the **Blue/White** wire to the radios amplifier turn on wire and to the **Blue/White** wire from the Radio side harness.
5. Connect the **Blue** wire to the radios antenna turn on wire. If the radio does not have that wire, connect the **Blue** wire to the **Blue/White** wire.
6. Connect the **Orange** wire to the radios Illumination wire. If your radio does not have an illumination wire, just tape off the wire.
7. The **Green/White** wire is the steering wheel control wire. An aftermarket steering wheel control interface is needed to retain the use of the steering wheel controls.

### INSTALLING THE MZTO-01

1. With all connections made, plug the harnesses into the MZTO-01 interface then into the vehicle.
2. Turn the ignition on for about 10 seconds then turn off.

### TESTING THE MZTO-01

1. Turn the radio on then balance left to right and fade from front to back to verify that the RCA's have been connected correctly.

### AUDIO LEVEL CONTROL

Aftermarket radios have varying rca output voltages, some are high output, and some are low. So to fix this there is an audio input adjustment which can adjust the input voltage to the amplifier to provide the best signal possible. Follow the steps below to adjust the audio level:

- 1) Locate the level adjustment potentiometer on the side of the interface with the 14 way Molex connector.
- 2) Using a small Flat head screwdriver, turn the potentiometer counter clockwise to reduce the input signal (for radios with hi volt pre-outs).
- 3) Turn the potentiometer clockwise to increase the input signal (for radios with low volt pre-outs).
- 4) Turn the radio to 3/4 volume and listen. If there is distortion heard then the potentiometer needs to be turned down.

### SERVICE HARNESS

If need be, the clock on the display can be changed by connecting the OEM radio to the service harness on the MZTO-01. Once the clock has been changed, unplug the OEM radio and tuck the service harness back in the dash.