

VM9414



What's in the Box

VM9414 Head Unit
Single DIN Sleeve
Wiring Harness
Parking Brake Sensor Extension Wire
Mounting Hardware

Cosmetic Trim Ring
Remote Control with Battery
3.5mm to 3.5mm Media Adaptor Cable
Owners Manual
Installation Guide

Tools and Supplies

You will need these tools and supplies to install your VM9414:

- Torx type, flat-head and Philips screwdrivers
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire

WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.

Optional Equipment

- **BTM10:** Allows you to connect to a Bluetooth enabled cell phone or other device.
- **Rear Camera**

Disconnecting the Battery

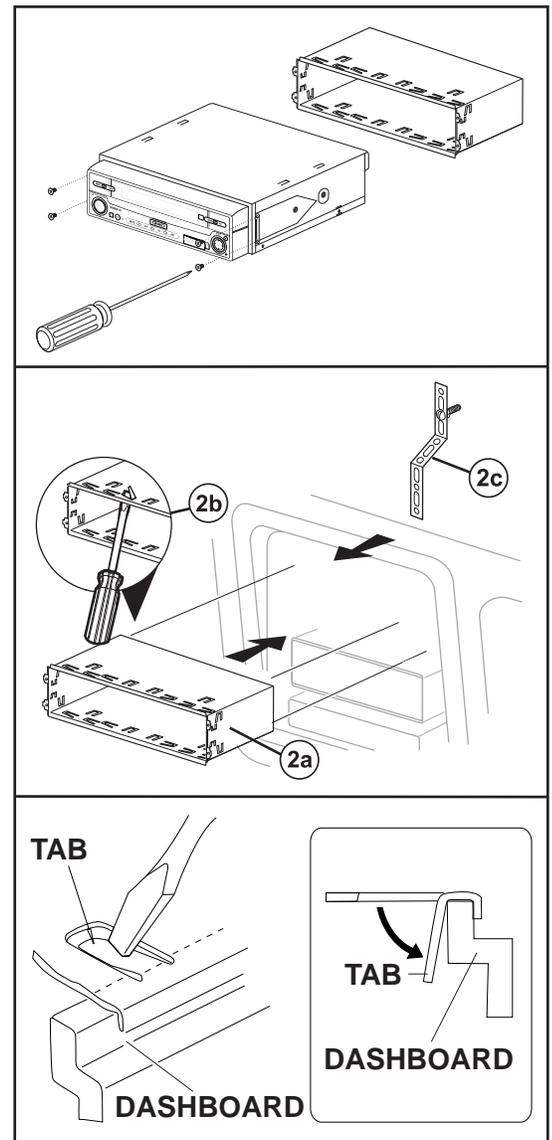
To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE: If the VM9414 is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

Pre-installation

- 1** Remove the four screws that attach the mounting sleeve to the radio and remove the sleeve.
- 2** Install the mounting sleeve.
 - a. Install mounting sleeve into the dashboard or optional adapter. Do not force the sleeve into the opening or cause it to bend or bow.
 - b. Locate the series of bend-tabs along the top, bottom and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.
 - c. Install support strap to make the unit more stable.
- 3** Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve.

CAUTION! Be careful not to damage the car wiring.



Wiring

WARNING! Only connect the unit to a 12-volt power supply with proper grounding.

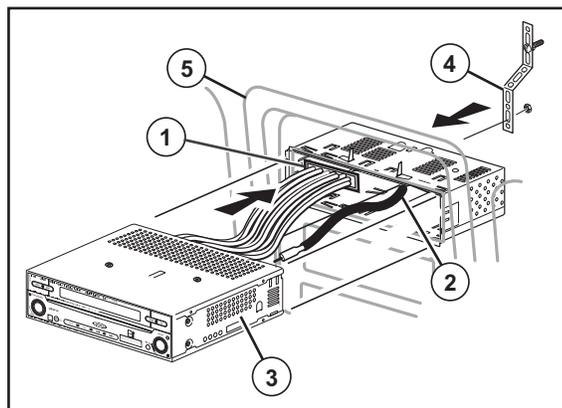
Complete wiring as illustrated in the wiring diagram on page 4. Once the wiring is complete, reconnect the battery negative terminal. If there is no ACC available, connect the ACC lead to the power supply with a switch.

NOTE: When replacing a fuse, be sure to use correct type and amperage to avoid damaging the radio. The VM9414 uses one 15 amp fuse, located in the black filter box in-line with the main wire harness.

Final Installation

After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.

- 1 Connect wiring adapter to existing wiring harness.
- 2 Connect antenna lead.
- 3 Carefully slide the radio into the mounting sleeve, making sure it is right-side-up, and secure with the original 4 screws.
- 4 Attach one end of the perforated support strap (supplied) to the screw stud, which is screwed into the threaded insert on the back of the unit, using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided. Bend the strap to position it as necessary.
- 5 Replace any items you removed from the dashboard.

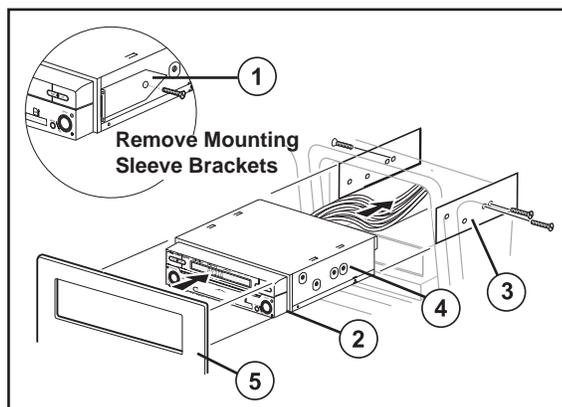


CAUTION! The rear of the radio must be supported with the strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.

ISO-DIN Installation

- 1 Remove mounting sleeve brackets.
- 2 Remove trim ring.
- 3 Mount factory brackets on new radio using existing screws from old radio.
- 4 Slide radio chassis into dash opening and secure.
- 5 Re-install dash panel.

NOTE: For proper operation of the CD/DVD player, the chassis must be mounted within 20° of horizontal. Make sure the unit is mounted within this limitation.



Wiring Diagram

IMPORTANT: Incorrect wiring connections can damage the unit. Follow the wiring instructions carefully, or have the installation handled by an experienced technician.

For basic iPod connectivity, you can use the white 30-pin to USB iPod cable that came with your Apple device. For iPod video playback, you must purchase the jLink-USB cable. Connect the iPod cable to the MediaLink USB and route the MediaLink USB to an accessible part of the dash area for easy connectivity. For occasional iPod use, keep an iPod cable in your glove box and use it to connect the iPod to the front USB connector.

