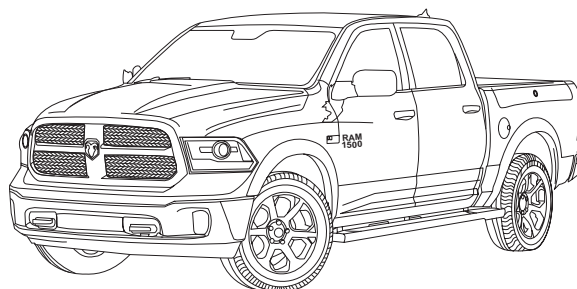# RAM
X009-RAM 9"
Installation Manual
● Model: Full Size Truck
● Model Year: 2013-UP
● Trim Level: All models without
   8.4-Inch Touchscreen Display

	Model	Year
DODGE	RAM 1500	2013 - UP
	RAM 2500	2013 - UP
	RAM 3500	2013 - UP

* The specified vehicles have been tested and have met compatibility specs at the time of testing. Compatibility is not guaranteed if the manufacturer has made production changes to the listed vehicles above.

Introduction

● Design and specifications are subject to change without notice for improvement.

To Ensure Safe Use, Always Follow These Precautions

● The installation of this product requires specialized skills and experience. We recommend that you have the product installed by the store that you purchased it from.
● Before you use this product, be sure to carefully read this installation manual and the separate user's manual so that you can use the product correctly. Alpine Electronics bears no responsibility for problems that arise as a result of failure to follow the instructions in the manuals.
● This manual includes a number of symbols that are intended to help you use the product safely, to prevent harm to you and others, and to protect against damage to property. These symbols and their meanings are listed below. Make sure you fully understand these symbols before you begin reading the main text.

Explanations of Injury and Damage That May Result from Incorrect Use

⚠ Warning	Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury.
⚠ Caution	Ignoring the content marked by this indication and using the product incorrectly is only expected to lead to injury or property damage.

Types of Precautions

⃠ Forbidden	Indicates actions that are forbidden (must not be performed)	❗ Mandatory	Indicates actions that are mandatory (must be performed)
⃠ Forbidden	Indicates that disassembly is forbidden.	⚠	Marks content that should receive your full attention.

⚠ Warning

Do not disassemble or modify the product. Doing so could lead to an accident, fire, or electric shock.

⃠ **Forbidden**

Store screws and other small objects where small children cannot reach them. If one of these small objects is swallowed, consult with a doctor immediately.

⚠

When replacing fuses, be sure to use fuses with the specified current rating. Failing to do so could lead to an accident or fire.

⃠ **Forbidden** ❗ **Mandatory**

Only connect the product to a 12 VDC negative ground car. Failing to do so could lead to an accident or fire.

❗ **Mandatory**

Before you begin wiring, remove the ground wire from the negative terminal of the battery. Failing to do so could lead to electric shock or injury.

⚠

Do not cut the insulation on a cord and take power from another device. Doing so could lead to fire or electric shock.

⃠ **Forbidden**

Do not install the product in a location where it will obstruct the driver's forward view; interfere with the operation of the steering wheel, gearshift, or the like; or pose a threat to passengers. Doing so could lead to an accident or injury.

⃠ **Forbidden**

When making a hole in the vehicle body, be careful to avoid damaging pipes, the fuel tank, electrical wiring, and the like. This kind of damage could lead to an accident or fire.

⚠

When installing and grounding the product, do not use any of the bolts or nuts of the steering wheel, brakes, fuel tank, or the like. Doing so could make the brakes stop working or lead to fire. ⊘ Forbidden

Do not install the product near the passenger-side airbag. Doing so could interfere with the operation of the airbag and lead to an accident or injury. ⊘ Forbidden

Bundle cords so that they don't interfere with driving. Wrapping cords around the steering wheel, gearshift, brake pedal, or the like, could lead to an accident or damage equipment. ⚠

⚠ **Caution**

Connect the product properly according to the instructions. Failing to do so could lead to fire or an accident. ⊘ Forbidden

Do not sandwich cords between the seat railing or allow them to touch protrusions. Resulting breaks or shorts could lead to electric shock or fire. ⚠

Do not block vents or heat sinks. Doing so could lead to fire or damage equipment. ⚠

Use the accessories according to the instructions, and attach them securely. Failing to do so could lead to an accident or damage equipment. ⊘ Forbidden

Do not install the product where it may be exposed to water or in a place with high levels of humidity or dust. Doing so could lead to fire or damage equipment. ⊘ Forbidden
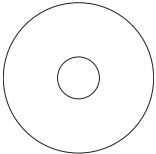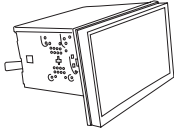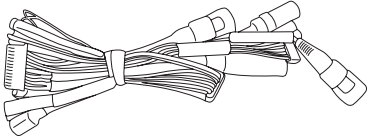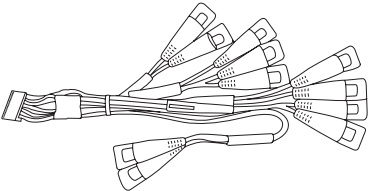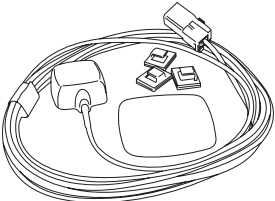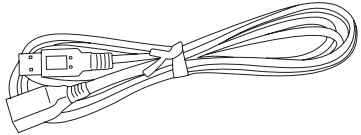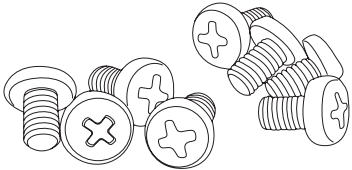
The installation and wiring of this product requires specialized skills and experience. Have the product installed and wired by the store that you purchased it from. ⚠
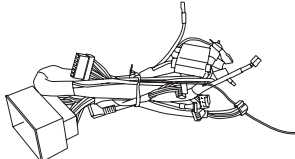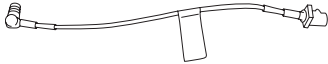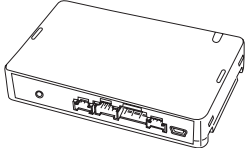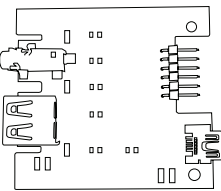
Accessory List
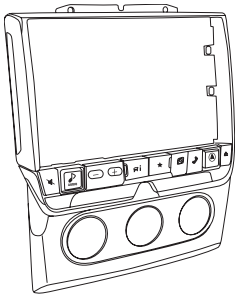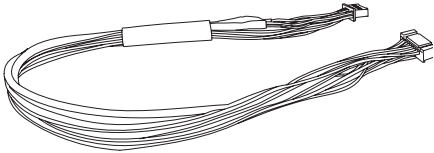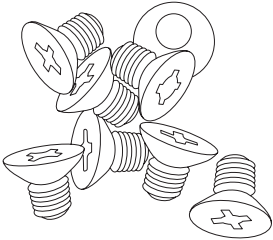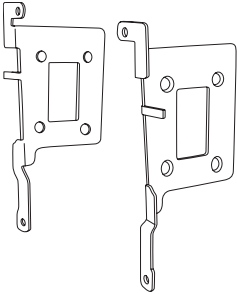
Head Unit Box Parts (X009)

Owner's Manual Disc	X009 Head Unit	X009 Camera Harness
AUX/Pre Out Harness	**GPS Antenna**	**USB Extension Cable**
8mm x 8 Screws	**Quick Reference Guides**	**Registration Cards**
	QRG Audio / QRG Navigation	Alpine Registration Card / NAVTEQ Registration Card

iDatalink Maestro Box Parts (ALP-MRR V2.0/ALP-HRN-RAM V2.0)

Main Harness	Antenna Adapter	OEM USB Adapter
SAT Radio Antenna Adapter	**Maestro Module USB Flashing Cable**	**iDatalink Maestro Module**
USB/AUX PCB		

Installation Kit Parts (G-KTX-009-RAM)

X009-RAM Radio Dash Bezel	Key Harness	Headunit Mounting Plate
Screws x 8	**Side Mounting Brackets**	

Component Locations

Maestro Module Location

GPS Antenna

Head Unit

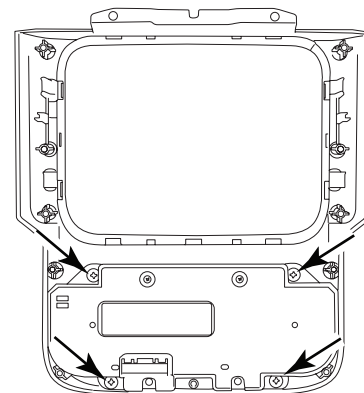BT Microphone Location

GPS Antenna Location
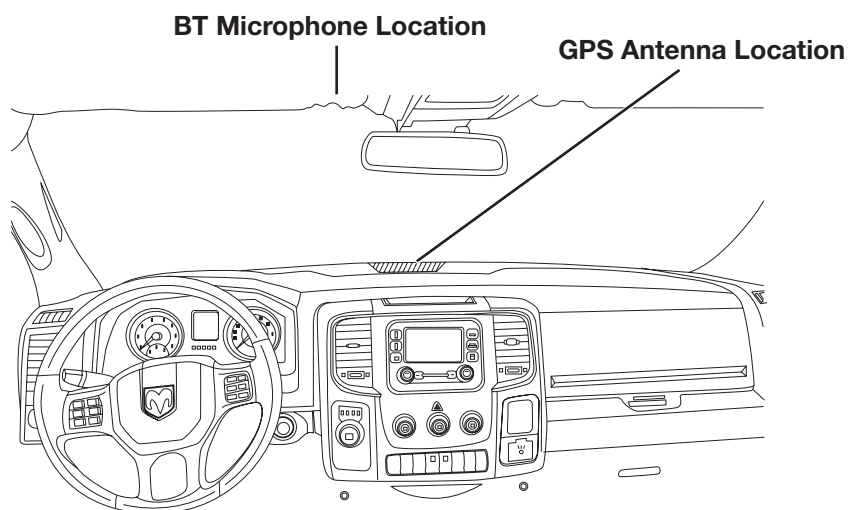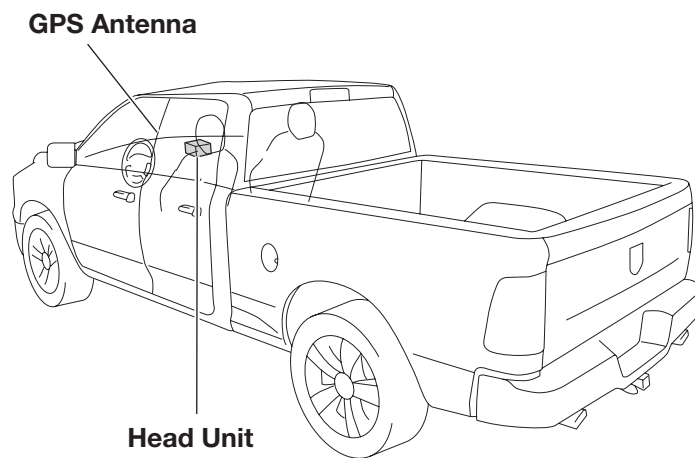
Factory Radio Removal Process

1 Remove the rubber screw cover from the top of the radio panel and extract 2x #20 Torx screws.

2 Extract 1x 9/32" – 7mm screw from the right side pocket. (Not required on base models)

3 Pull the entire radio panel out.

Rubber screw cover

4 Extract 4x 9/32" – 7mm screws from the radio and remove it.

5 Extract 13x Phillips screws from the radio panel and remove the radio bezel.
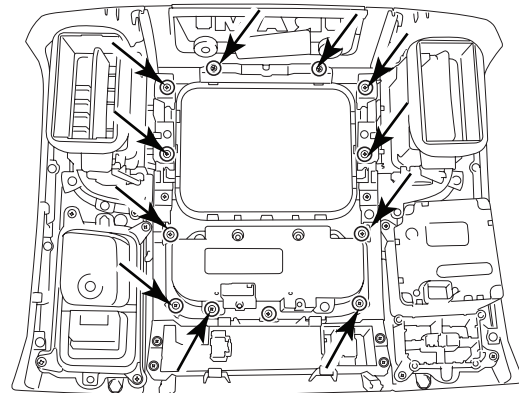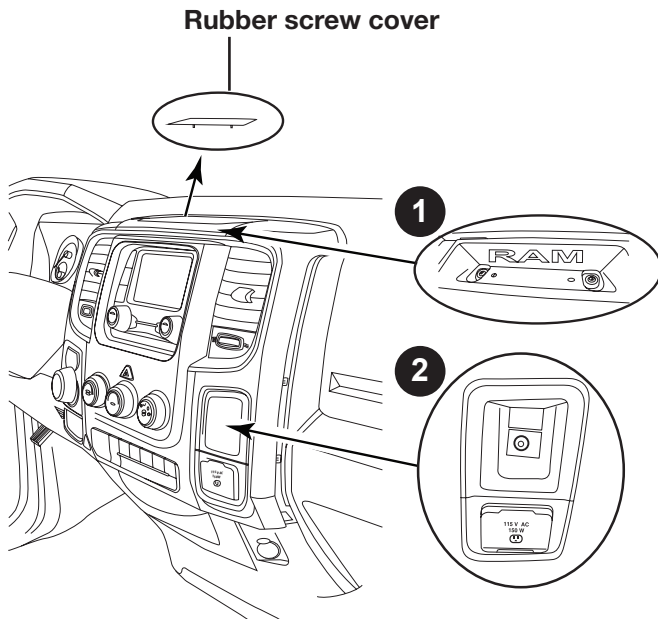
6 Remove 4x Phillips screws from the HVAC control and mount the HVAC on to the new X009-RAM Radio/Dash Bezel.
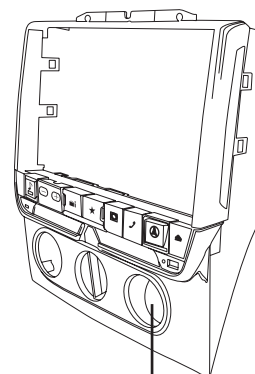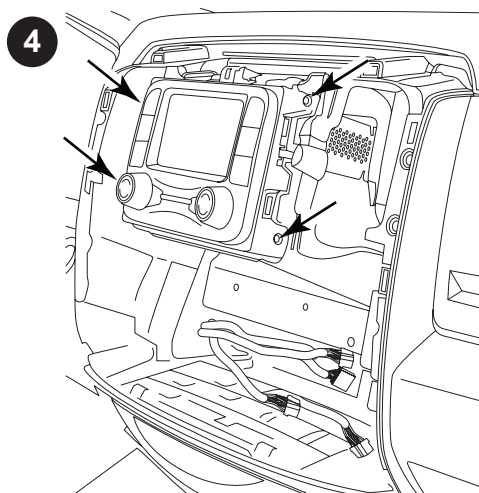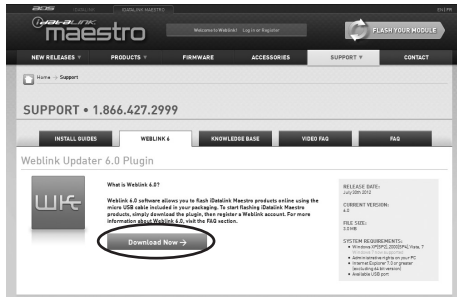

X009-RAM Radio/ Dash Bezel
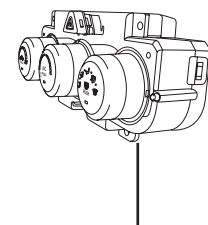
Factory HVAC Control Unit (Not included)

Programing the iDatalink Maestro Module

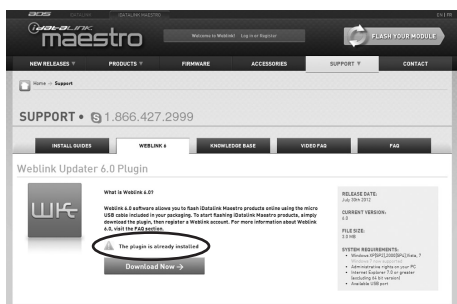## 1 INSTALL THE WEBLINK PLUG-IN

Go to:
idatalinkmaestro.com/plugin and follow the installation steps.

Review the System Requirements before installing.

If the plugin is already installed, the caution, "The plugin is already installed" appears. Please skip to step 2.

2 REGISTER A WEBLINK ACCOUNT

Go to:
idatalinkmaestro.com/register and complete the registration process.
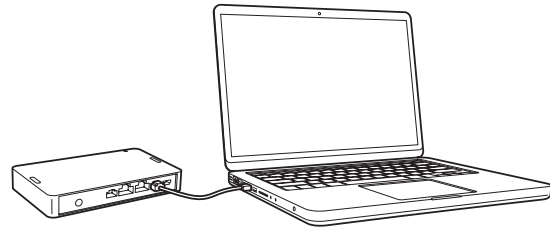
A confirmation email will be sent to you requiring validation.
For existing customers, click log in.

For existing customers, click log in.

3 CONNECT YOUR MAESTRO MODULE

Use the included USB cable to connect your Maestro module to your PC.

4 LOG INTO WEBLINK

Go to:
idatalinkmaestro.com/login.
Enter your username and password, then click OK.

5 PROGRAM YOUR MODULE
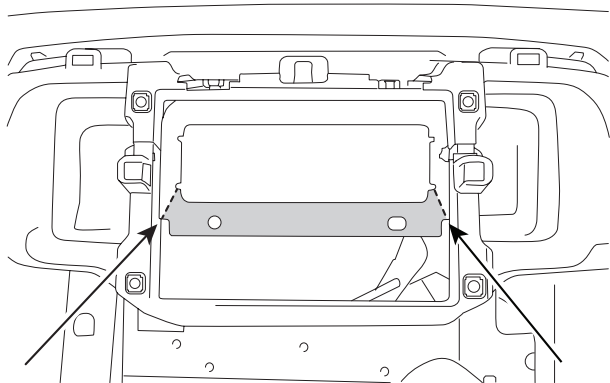
Follow the programming steps for your vehicle.

## 6 Once Programing is complete "FLASHING COMPLETE" will be displayed.

Proceed to the next page to complete installation.

Installation Instructions

1 Using a cutting tool cut the bottom section of the metal bracket (as shown in the shaded area).
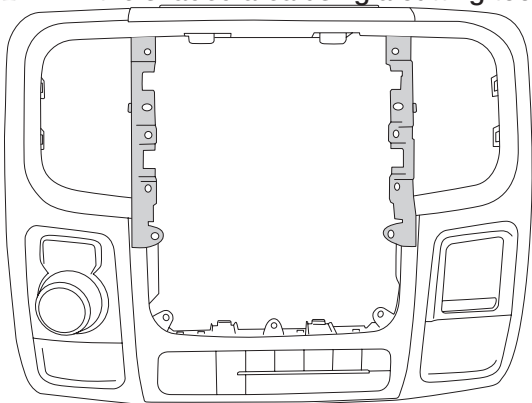
2 Mount the brackets to the sides of the head unit as shown, using flathead Phillips screws supplied.
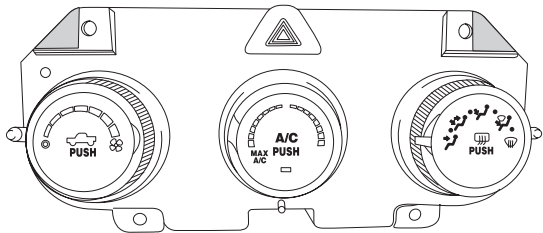
X009 Headunit

Headunit Side Mounting Brackets
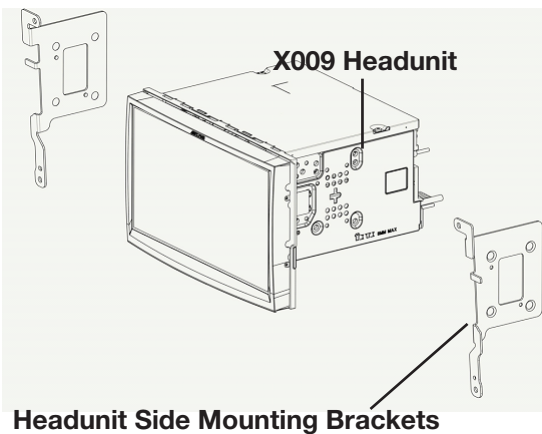
3 Install the head unit mounting plate using the 4x factory 9/32" – 7mm screws.

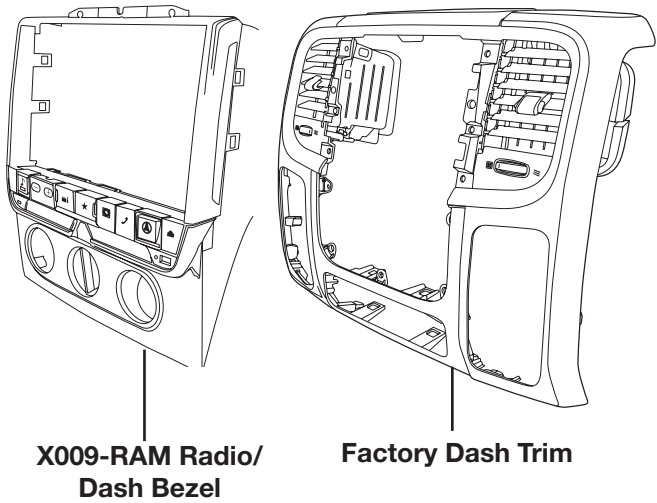**Dash board**

Head Unit Mounting Plate
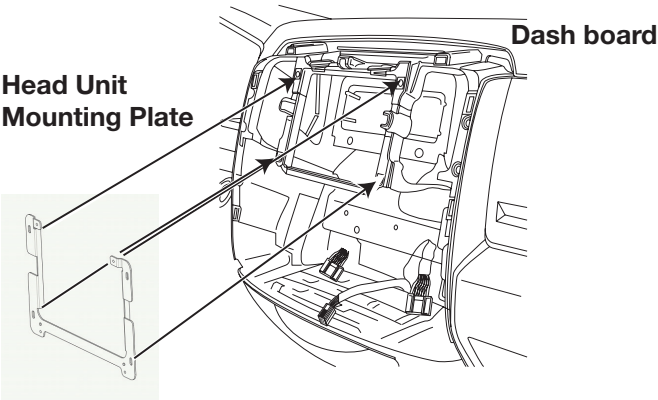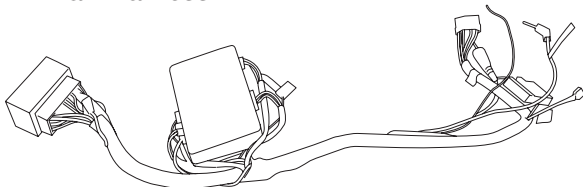
4 Trim the shaded area using a cutting tool.

5 Trim the dashed area on the factory HVAC control unit and mount it on to the X009-RAM Radio/Dash bezel.

6 Attach the X009-RAM Radio/Dash bezel to the dash factory trim.

X009-RAM Radio/ Dash Bezel   **Factory Dash Trim**

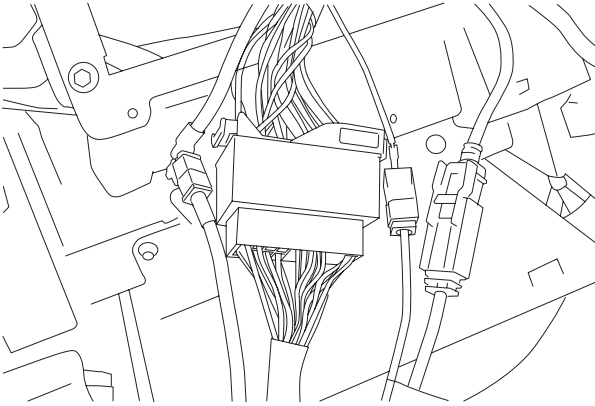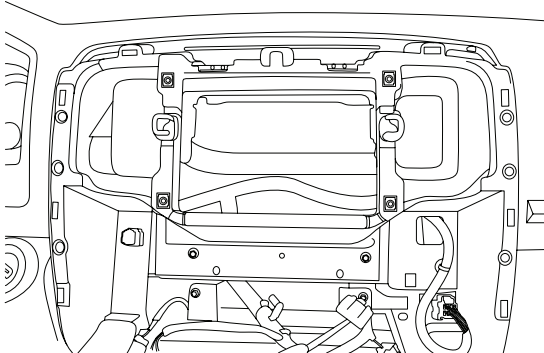**7** Connect the Maestro module to the X009-RAM main harness.

Installation Instructions

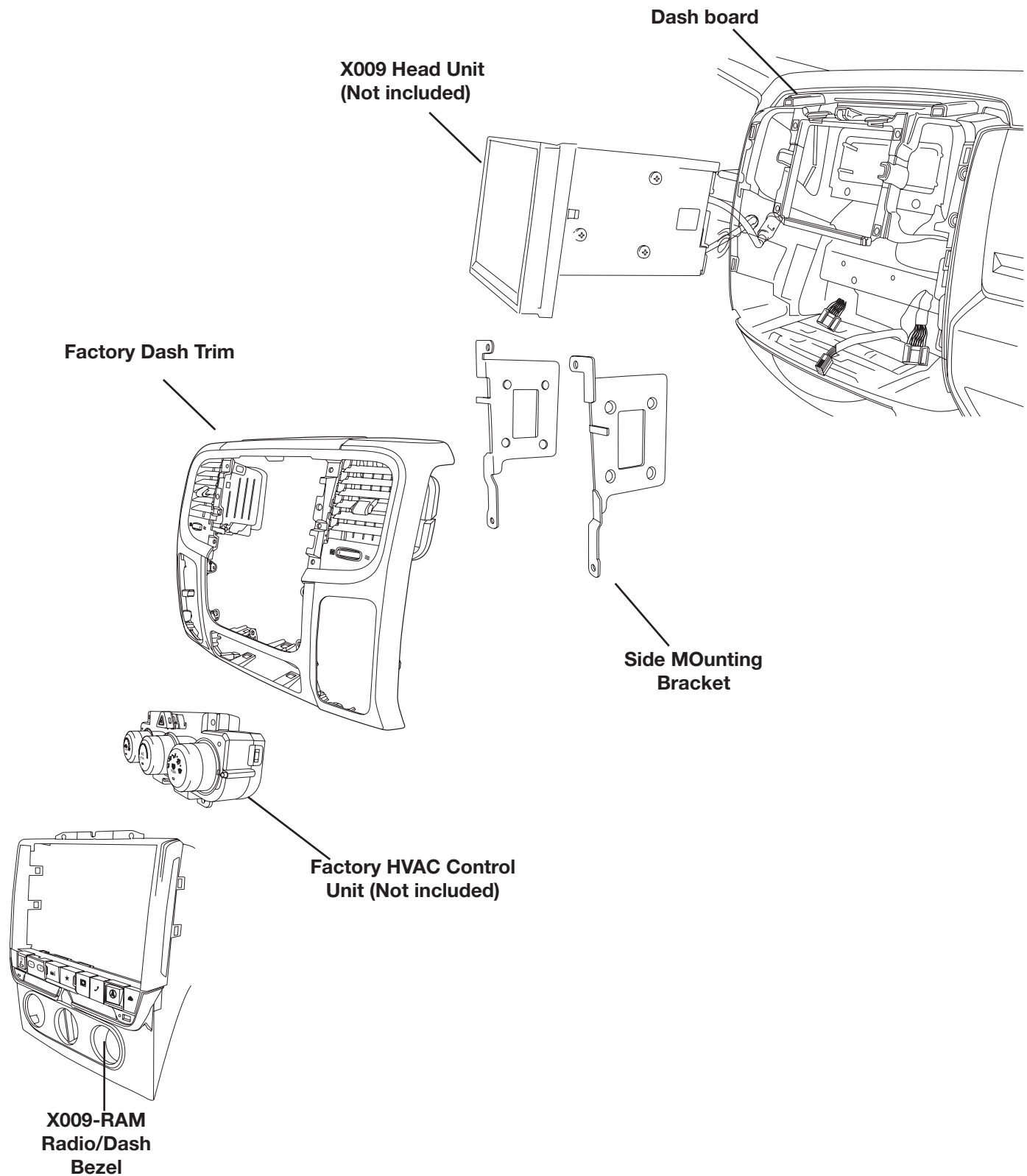**8** Connect the main harness and adapters to the factory harness.

9 Place the GPS antenna in between the vent duct and the top of the dash. Use the supplied metal base for the best signal strength.
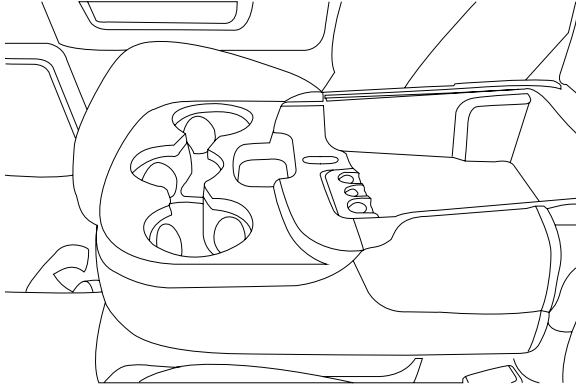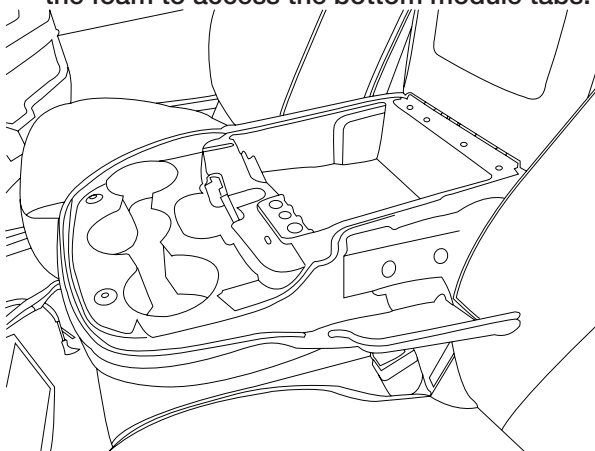
Exploded-View Diagram

Dash board

**X009 Head Unit
(Not included)**

Factory Dash Trim

**Side MOunting
Bracket**

**Factory HVAC Control
Unit (Not included)**

**X009-RAM
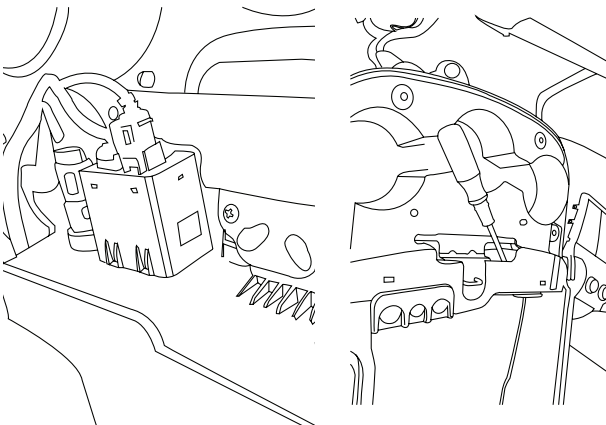Radio/Dash
Bezel**

USB/AUX PCB Replacement Process

1 Remove the cup holder cover by pulling straight up.

2 Detach the fabric by pulling the vinyl tubing and lift the foam to access the bottom module tabs.

3 Remove the USB/AUX module by pressing the 2 lock tabs on the top and 2 lock tabs on the bottom of the module using a flat heat screwdriver.

4 Extract the 2x Phillips screws, remove the plastic base and illumination port cover.
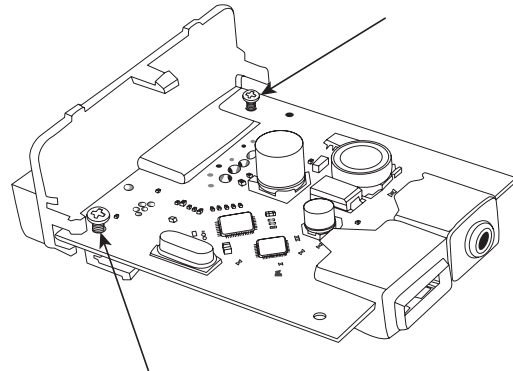
5 Mount the new PCB board using the factory screws and attach the illumination port cover.

6 Connect and snap back in place.

KTX-RAM Wiring Diagram

To Vehicle Connectors

10-pin Black Connector
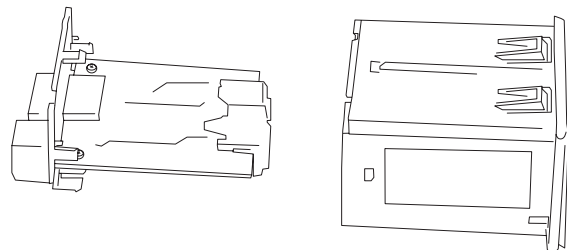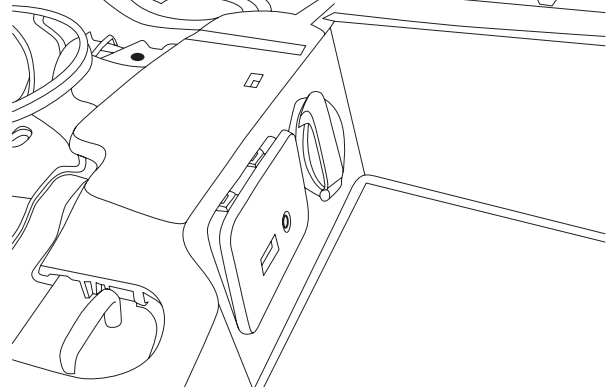
18-pin Black Connector

iDatalink MAESTRO Module

Main Harness

3-pin A Connector

10-pin Green Connector

3-pin Black Connector

4-pin Data Connector

Blue Power Antenna
(Not used)

Blue/White Amp Turn-on
Use only with aftermarket amplifiers

HDMI Input

USB Extension Cable

GPS Antenna

X009 Head Unit

To SXM
(NOt include

To X009-GM
Key Panel

X009
Power
Harness

X009 Camera Harness

Green/White

3.5mm Aux 3 /iPod Video

Speed Pulse

4-pin Data Connector

Factory Rearview Camera

Camera Input

Back-up
Camera In

3.5mm iDatalink Audio