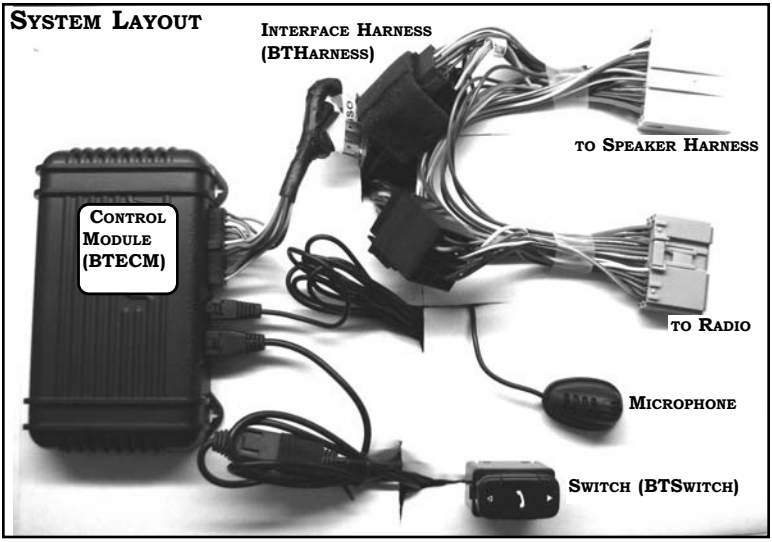
SYSTEM LAYOUT



KIT CONTENTS

ITEM	QTY	DESCRIPTION
1	1	ELECTRONIC CONTROL MODULE (BTECM)
2	1	BLUETOOTH SWITCH (BTSWITCH)
3	1	VEHICLE INTERFACE HARNESS (BTHARNESS)
4	1	BLUETOOTH MICRO-PHONE
5	1	HARDWARE KIT

SERVICE PARTS

REFERENCE:
WWW.ROSTRA.COM WHERE PARTS ARE NOT CLEARLY MARKED WITH PART NUMBER INFORMATION.

GENERAL APPLICABILITY

REFERENCE APPLICATION GUIDE AT WWW.ROSTRA.COM TO FIND APPLICATION INFORMATION FOR SPECIFIC VEHICLES. INSTALLATION VIDEO FOOTAGE IS POSTED ON THE WEBSITE FOR VARIOUS VEHICLES. THE INDIVIDUAL INSTRUCTION MAY BE FOUND ON THE WWW.ROSTRA.COM WEBSITE FOR RADIO TEARDOWN OR YOU MAY FIND HELP ON WWW.INSTALLER.COM, CLICK ON DASH KIT TO VIEW INSTRUCTIONS. BEFORE DOING ANY IRREVERSIBLE INSTALLATION TO A VEHICLE, VALIDATE THE FUNCTION OF THE PRODUCT ON THE VEHICLE. IT HAS BEEN NOTED DURING THE RELEASE OF THIS PROGRAM, THAT VEHICLE TO VEHICLE VARIATION OCCURS, I.E. FACEPLATES ON RADIOS MAY BE THE SAME BUT THE POWER/SPEAKER HARNESSES MAY DIFFER, CAUSING THE BLUETOOTH UNIT TO FAIL TO FUNCTION. INSTANCES HAVE BEEN FEW AND PRODUCT ACCEPTANCE HAS COME QUICKLY. ROSTRA PRECISION CONTROLS IS NOT BE RESPONSIBLE FOR DAMAGE INCURRED DUE TO VEHICLE VARIABILITY, SUCH AS MODEL YEAR CHANGEOVER AND RADIO TO RADIO MANUFACTURER INCONSISTENCY. ALWAYS VERIFY APPLICATION TO THE LATEST GUIDE FOUND ON THE WEBSITE.

Recommended Tools

Safety Tools	
Gloves	
Safety Glasses	
Installation Tools	
Pliers	Some switch installations
Trim Tool screw drivers	Dash trim removal General dis- & reassembly
Drill Bit or Knockout Punch	19mm or 3/4" (for switch)
Socket & wrench set	negative battery terminal, radio, glove box...etc.

Legend

STOP: Damage to vehicle may occur. Do Not Proceed until process compliance has been met.

OPERATOR SAFETY: Use Caution to Avoid Risk of Injury.

CRITICAL PROCESS: Proceed with Caution to Ensure a Quality Installation. These points will be audited on a completed vehicle installation.

GENERAL PROCESS: This highlights specific processes to ensure a quality installation. these points will be audited during the accessory installation.

TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for the process.

Special Note: Installation Sequences

After **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

Recommended Sequence of Application

Step 1:	Verify Components	
Step 2:	Remove negative battery cable.	
Step 3:	Carefully remove trim pieces to gain access to radio mounting hardware.	
Step 4:	Functional Install. Remove connectors from rear of radio and install Vehicle Interface Harness **(BTHarness)** to radio and **BTECM. Plug** in **BTSwitch** and microphone. If black wire with ring terminal is present, it must be attached to vehicle ground prior to reconnecting battery. **CAUTION: Failure to have proper ground in place may damage the BTECM or radio.**	
Step 5:	Reattach battery cable, turn key to Accessory position, verify blue backlight of **BTSwitch** is lit. If not, see **Troubleshooting Guide, Problem 1.**	
Step 6:	Pair phone to radio, see **Owner's Manual** (requires Bluetooth compatible phone for validation of function). Make test call to verify proper speaker configuration and volume. If system functions properly, disconnect battery cable and continue. If system does not function properly, see **Troubleshooting Guide.**	
Step 7:	Do not drill a hole or carryout any irreversible installation step until the Bluetooth system has been tested. Select a location for the through-hole switch. Using a **¾"** or **22mm drill**, open a hole to mount the **BTSwitch**. Use the foam gasket to secure the switch and cover gaps created by contoured surfaces. Where the switch is vehicle specific, mount switch in vacant/desirable knockout knockout found on the dash or center console.	

Recommended Sequence of Application (Continued)

Step 8:	Install Bluetooth **Microphone** on functional surface, typically in the instrument cluster panel of the vehicle, in front of the driver. Take care not to block view of instruments. Use alcohol pad to thoroughly clean installation site.	
Step 9:	Verify all Bluetooth and radio connections are fully installed. Properly tie-up harnesses and cables to prevent damage using supplied cable ties and double-sided sticky foam. **Failure to properly secure harnesses and components may cause unwanted noise, damage and premature failure.**	
Step 10:	Before reconnecting battery, where required, ensure proper ground and 12-volt accessory power of **BTHarness** are properly installed.	
Step 11:	**Retest System.**	

Troubleshooting Guide

Caution: Remove negative battery cable prior to disconnecting any electrical connections. Failure to do so, could result in damage to the BTECM or vehicle radio.

Problem 1 - Bluetooth Kit Does Not Start Up: (blue back light in blue tooth switch does not come on when ignition switch is in accessory or start position.)

1. Verify that all electrical connections are secure, fully insert connectors into radio harnesses and **BTECM**.
2. Check that the bullet connectors on the power wires are connected properly.
3. Check for a blown fuse on the **BTHarness.**
4. The car may require an alternate accessory source. If the blue wire of the **BTHarness** has an inline connector, disconnect the blue accessory wire from the **BTHarness** and manually connect the wire coming from the **BTECM** side to an accessory source found in the vehicle. Typically this can be found at the radio, but sometimes may require a source from a different location.

Problem 2 - Bluetooth Kit Does Not Turn Off when the key is removed from the ignition switch. (Blue back light in blue tooth switch does not turn off when ignition switch is in off position.) Please check the following:

1. There should be no voltage on the blue wire when ignition key is off. **This will cause battery drain.** Reinstall source for ignition accessory power.

Problem 3 - Not All Speakers are muted. Check the following:

1. Be sure connectors at the Interface harness and control module are connected properly and fully inserted.

Operator Instructions: Refer to owner's manual for system function.

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