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Before  
You Begin

Remove  
& Install

Wire  
New Radio

Mount  
New Radio

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### Factory Radio



### New Radio and Ford Probe Installation Kit



### Other Documents Available For This Vehicle:

No documents available at this time

### Adobe Acrobat Reader Printing Tips:

- 1) Select "**FILE**" then "**PRINT**" and select your printer.
- 2) In the print options box do the following:
  - A) Locate check box "**Shrink to Fit**". Place check in box.
  - B) Locate box "**Print Quality**". Select highest print dpi allowed by printer.
  - C) If print quality listed is not as high as that printers normal quality, press the "**SETUP..**" button. In the next screen, press the "**PROPERTIES**" button and set the printers print quality to the highest print dpi allowed.

### Document Revision History

09/99 Document Creation  
12/99 Updated

## Radio Replacement

Document #: 356005

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### Overview Of This Radio Install

Step	What Section To Go To
Remove old radio from dash	Remove & Install
Wire the new radio	Wire New Radio
Mount the new radio	Mount New Radio
Finishing the installation	Remove & Install

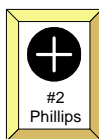
### Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on in dash wire harness	** please read instructions first
Custom designed Ford Probe Radio Dash Installation Kit	

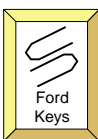
#### Optional parts for this install

None

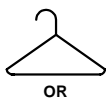
### Tools Needed To Complete This Install



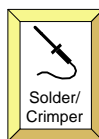
#2 Phillips



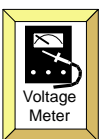
Ford Keys



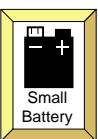
OR  
Coat Hanger



Solder/  
Crimper



Voltage  
Meter



Small  
Battery



#### TOOL TIPS:

**Small Battery:** use a battery to test speaker wires. Touching the (+) positive and (-) negative battery leads to a pair of speaker will cause the speaker to make a "Pop" sound indicating that pair of wires goes to that speaker.  
**Voltage Meter:** Always check +12 Volt power wires for voltage before making wire connections. These wires will fluctuate between 10 and 14 Volts.  
**Solder Iron or Crimp Tool:** make wire to wire connections using either a solder iron and electrical tape, OR plastic crimp terminals found at most hardware or auto parts stores.

Hand tools needed  
to remove radio

Accessory tools needed to test and  
wire the new radio

**PLUS: Wire ties or electrical tape:** to neatly bundle and organize your wires for a professional appearance.

### Installation Difficulty Ratings

**Easy.** No advanced skills or specialty tools needed.

**Basics.** Simple tools required. Installs quickly.

**Intermediate.** Requires knowledge of tools, or disassembly of panels.

**Advanced.** Requires advanced tools, or extra time.

**Difficult.** Involves modifying or cutting of the installation area. Advanced tools and/or skills required. Best if performed by experienced installers.

#### Do It Yourselfers

Intermediate

#### Professional Installer

Basics

### Support Information If You Need Help

Supplemental information if you need help

Document Title	Document #
Basic DC electronics for automotive applications	999001
Wire splicing: soldering vs. crimping	999004
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Why use an optional snap on wire harness	999008
Wiring your new radio using a wire harness	999009
Testing wires when installing a new radio	999013

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## ▶ Remove Factory Radio



### STEP 1:

Remove the ashtray assembly below the radio.



### STEP 2:

Unsnap the plastic trim that surrounds the gear shift with a small flat head screwdriver. This plastic trim panel may be loose enough to unsnap with your fingers. Under the plastic trim panel are two (2) **phillips screws**. Remove both screws.



### STEP 3:

Once the phillips screws have been removed, the plastic cigarette lighter assembly (the assembly the ashtray slid into) must be removed. Pull this plastic assembly forward then up to free it from the dash. Unplug the cigarette lighter wires from the rear of the cigarette lighter and set the plastic assembly to the side.



### STEP 4:

Once the plastic cigarette lighter assembly has been removed, you should see two (2) **hidden brass colored phillips screws** below the pocket/tray. Remove both of these phillips screws. These screws secure the lower radio assembly to the dash.



### STEP 5:

The upper part of the radio assembly is secured to the dash with clips on the side of the radio, behind the plastic dash panel. You will need **Ford radio removal keys**, or a coat hanger bent into a "U" shape, to bend these clips so the radio can be pulled forward out of the dash. (SEE NOTE BELOW)

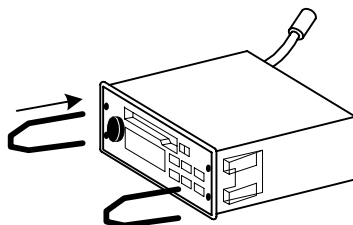


### STEP 6:

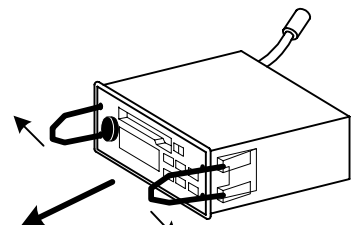
Once the clips on the side of the radio have been pushed in with the radio removal keys, **FIRMLY** pull the radio to remove it from the dash. Unplug the antenna cable and all connectors from the rear of the radio. (The radio and pocket/tray below the radio are secured as one assembly.)

## Removing Ford Radios Using "U" Shaped Removal Keys

Insert the "U" shaped keys into the holes as shown in the diagram. Coat hangers can be cut and bent into shape for a quick, cheap replacement or alternative when Ford keys are not available.



In order for the radio to be removed, clips attached to the side of the radio must be moved inward so the radio can slide forward out of the dash. Insert the keys and push each key out to the side, away from the radio. The ends of the keys will press into the clips. While pushing the keys outward, pull and the radio should slide forward out of the dash.



## ► Wiring The New Radio

Move to: **Wire New Radio** Section

Your Ford Probe may have the Ford Premium Sound System installed in it from the factory. This means the speakers in the vehicle are actually powered by a Ford amplifier (located away from the radios dash location) instead of the amplifier inside the radio. The **“Wire New Radio”** section will detail wiring for both standard Ford radios and the wiring for Premium Sound System radios. The only way to tell the difference between a standard Ford radio and the Ford Premium Sound System is to pull the radio and look at the wire harness connectors plugged into the rear of the Ford factory radio.

## ► Mounting The Radio To A Kit

Move to: **Mounting New Radio** Section



Custom designed Ford Probe radio installation kit required to install a radio into this vehicle.

## ► Completing The Radio Installation



### STEP 1:

Once the radio has been removed, you should be able to tell what type of wire harness is needed (see pictorial drawings of the Ford wire harnesses in the **“Wire New Radio”** section)

Notice the large opening now in the dash. The radio you are installing will be smaller than this opening. A custom designed Ford Probe radio installation kit will be needed to convert this large hole so that a new replacement radio can be installed. (see STEP 2 for a picture of the kit)



### STEP 2:

Attach the kit to the dash by sliding it into the opening. The upper part of the kit should snap into the dash and secure it in place. The lower part of the kit is secured with the same two (2) brass colored phillips screws that secured the lower part of the Ford radio.

Once the kit is securely mounted to the dash, the radio can then be mounted to the kit.

**TIP:** The Install Doctor recommends securing the plastic radio installation kit to the dash before mounting the radio to the plastic kit. This usually allows the installer to move wires behind the radio when installing the radio into the kit. Many installers mount the radio to the kit, then attempt to mount the entire assembly into the dash all at once. The wires from the new radio and wires inside the dash may bunch together preventing the radio and kit from fully sliding into the dash and the snaps attached to the side of the plastic radio installation kit may not snap properly into the dash of the vehicle.

### STEP 3:

Attach the antenna cable to the new radio and connect power and speaker wires to the new radio.

## The Installation Is Now Complete

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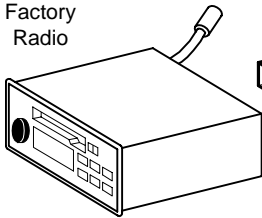
Mount  
New Radio

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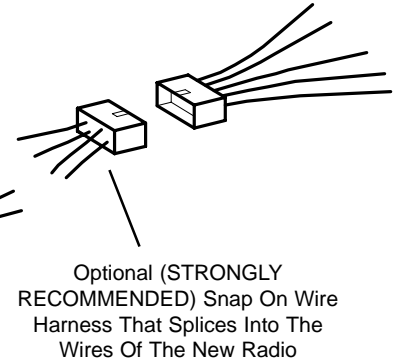
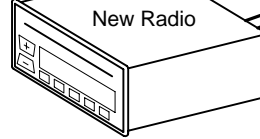
## Step By Step Wiring

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Auto Makers  
Factory  
Radio



Wire Harness Inside Vehicles  
Dash Which Plugs Into The  
Rear Of The Factory Radio



Optional (STRONGLY  
RECOMMENDED) Snap On Wire  
Harness That Splices Into The  
Wires Of The New Radio

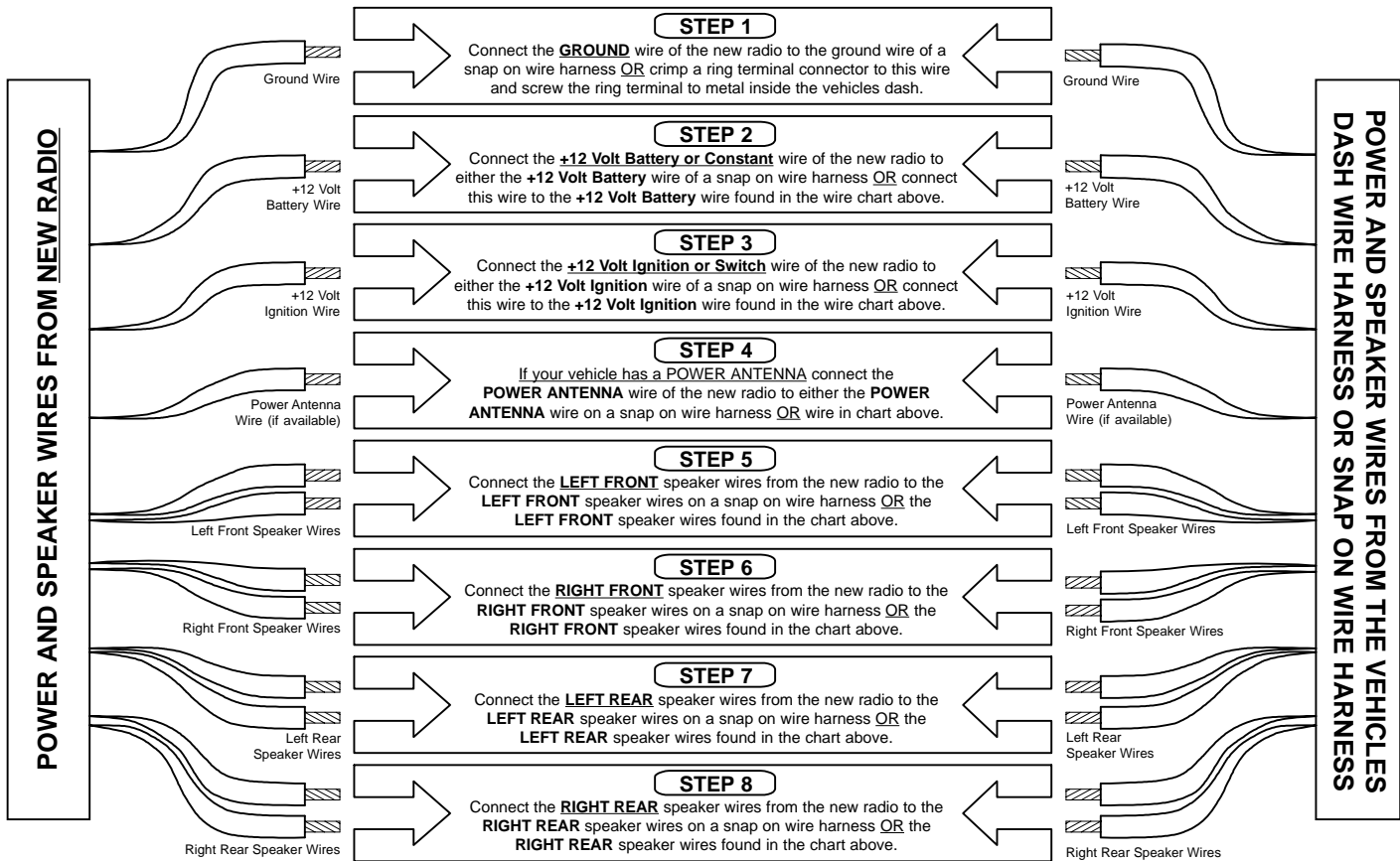
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

Supplemental information if you need help

Document Title	Document #
Testing wires when installing a new radio	999013
Why use an OEM snap on wire harness	999008
Wiring your new radio using a wire harness	999009
Wire splicing: soldering vs. crimping	999004

## Wiring Instructions:

The power and speaker wires needed to connect the new radio are attached to the connector of the wire harness located inside the vehicles dash. The Install Doctor **STRONGLY** recommends using an optional snap on wire harness that is specifically designed to snap into the vehicles dash wire harness connector. This will keep you from cutting the vehicles wires. This optional snap on wire harness will have wires on the opposite side of the connector that will allow you to splice these wires to the new radios wires. The only other option is to cut off the vehicles dash wire harness connector and splice the new radios wires directly to these wires. The optional snap on wire harness takes all the guess work out of trying to figure out what each wire is in the vehicles dash wire harness. The optional snap on wire harness tell you what each wire is.



## ▶ Radio Wire & Color Code Information

### If Your Probe Has A Ford Premium Sound System Radio

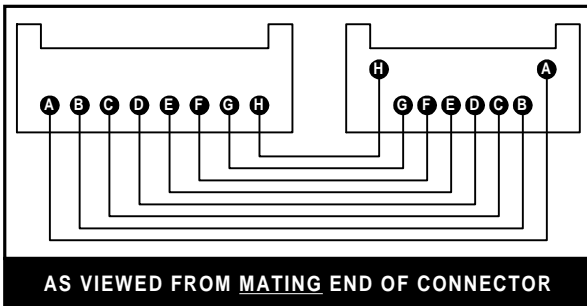
The wire harness connectors that plug into the rear of the Ford radio for this production model for the Ford Probe are the same as for Ford radios WITHOUT the Ford Premium Sound System. Because of this, it is impossible to tell the difference between a Ford Probe with and without a Ford amplifier (which makes up the "Premium Sound System") simply by looking at the radio or the connectors plugged into the rear of the radio. **The photos below show you how to locate the Ford Premium Sound System factory installed amplifier.**

Slide the passenger seat forward and look for a black metal box. This is the Ford amplifier which powers the speakers for Probes with the "Premium Sound System". If you do have a Ford amplifier under the passenger seat, The Install Doctor recommends that you "bypass" the amplifier. The instructions for "bypassing" the Ford amplifier are detailed below.

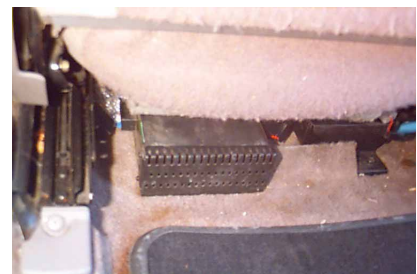
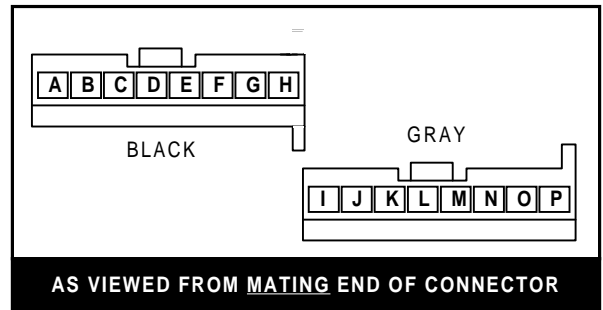
The Gray wire harness connector shown in the illustration to the right which plugs into the rear of the Ford Probe radio are the speaker wires outputs from the radio and are routed down to the amplifier under the passenger seat. These wires at the amplifier are connected to a black wire harness connector that plugs into the amplifier. The opposite side of the amplifier will have a similar connector which is the speaker wire output of the amplifier.

To "bypass" the Ford amplifier, simply unplug the two black connectors plugged into the amplifier. You will need to obtain a Ford amplifier bypass wire harness adapter which connects in between the two black connectors (called a jumper cable). When installing a new radio, simply wire the speaker wires for the new radio to the speaker wires attached to the gray connector. With the jumper cable bypassing the Ford amplifier, the new radio will now be connected directly to the speakers in the vehicle.

**Wire harness adapter (jumper cable)** that allows you to "bypass" the Ford amplifier under the passenger seat.



Wire harness connectors that plug into the rear of the Ford radio.



**STEP 1:**

Slide seat forward.



**STEP 2:**

Unplug (2) black connectors plugged into amp.



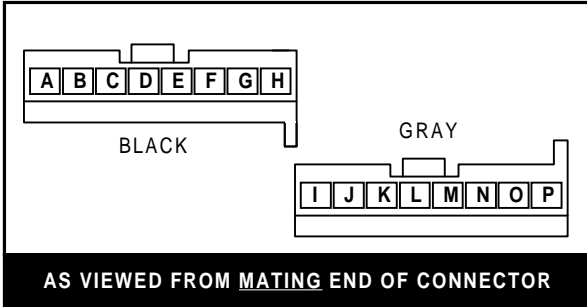
**STEP 2:**

Plug jumper cable adapter into (2) black connectors.

## ▶ Radio Wire & Color Code Information Page 3 of 3

### If Your Probe Has A Standard Ford Radio

This vehicle uses has a 2 pc wire harness.



Pin	What It Is	Typical Ford In Dash Wire Color	"Typical" New Radio Equivalent Wire Color
A	Right Rear Spkr (-)	Green w/ Blue Stripe	Purple w/ Black Stripe
B	Right Rear Spkr (+)	Green w/ Yellow Stripe	Purple
C	Right Front Spkr (-)	Blue w/ Orange Stripe	Gray w/ Black Stripe
D	Right Front Spkr (+)	Blue w/ Black Stripe	Gray
E	Left Rear Spkr (-)	Green w/ Orange Stripe	Green w/ Black Stripe
F	Left Rear Spkr (+)	Lite Green	Green
G	Left Front Spkr (-)	Blue	White w/ Black Stripe
H	Left Front Spkr (+)	Blue / Green Stripe	White
I	Amplifier Turn On	<b>Do Not Use For This Vehicle</b>	
J	Power Antenna Turn On	<b>Do Not Use For This Vehicle</b>	
K	Ground Wire	Black	Black
L		<b>Do Not Use For This Vehicle</b>	
M	Dash Light Dimmer Wire		Orange (if available)
N	+12 Volt Ignition Wire	Blue w/ White Stripe	Red
O		<b>Do Not Use For This Vehicle</b>	
P	+12 Volt Battery Wire	Blue w/ Red Stripe	Yellow

**Note:** using an optional snap on wire harness adapter will simplify the wiring. Most snap on wire harness adapters have already converted and color coded the wires from the auto makers in dash wire harness to match typical aftermarket radio wire colors.

\*\* The wire colors listed in the chart above are typical for Ford vehicles during these years but may not be the exact colors for this vehicle. This is another reason to use a snap on wire harness adapter. \*\*

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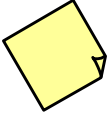
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## ▶ Mounting The Radio To A Kit



### NOTE:

This vehicle requires a radio dash installation kit specifically designed for Ford Probes. No other kit will work for this vehicle.

All information needed to complete the mounting of the new radio to the vehicles dash is included on this sheet. If you need additional help, please consult the following tech documents:

Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010

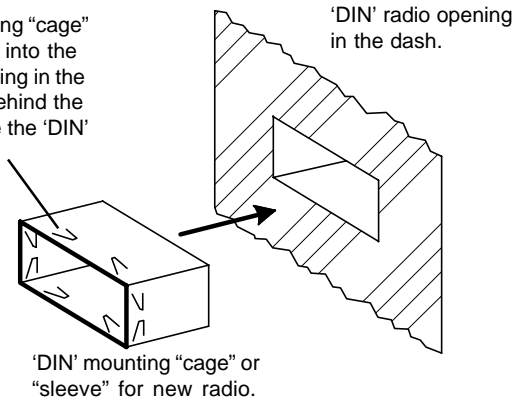


Custom designed Ford Probe radio installation kit required to install a radio into this vehicle. The kit is designed with mounting brackets that screw into the dash of the vehicle matching the brackets attached to the original Probe radio. The top of the kit has snap brackets which secure the top of the kit to the opening in the dash.

**Note:** The kit shown in the photo has a lower opening for the addition of an equalizer. Each kit manufacturer designs their kits differently and may not be exactly as shown in the photo.

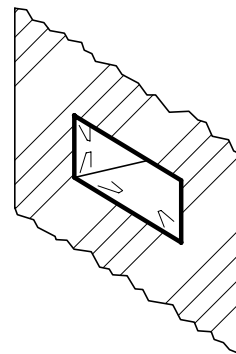
## For mounting a rectangular 'DIN' style of radio to the kit

When the 'DIN' mounting "cage" or "sleeve" is inserted into the 'DIN' rectangular opening in the kit, bend these tabs behind the kits opening to secure the 'DIN' cage to the dash.



'DIN' mounting "cage" or "sleeve" for new radio.

'DIN' radio opening in the dash.



New radios 'DIN' mounting "cage" slid into the 'DIN' opening of the kit with its tabs bent securing the cage to the kit.

The radio can now be slid into the 'DIN' mounting "cage" which will snap to the radio securing the radio in place.