



# ***DIN Solutions***

## **Installation & Assembly Manual**

*RetroSound*<sup>®</sup>

MODERN SOUND FOR YOUR CLASSIC

## What's in the box

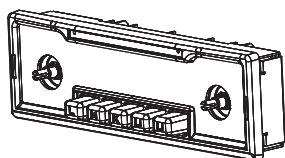
Thank you for purchasing a RetroSound® radio. RetroSound® radios combine classic styling with the advanced features you expect from a modern car stereo. Your RetroSound® radio consists of two main parts: the Radio Face and the Radio Motor.

**This guide is intended to cover DIN Solutions Radios. The model in this guide is a representation of a typical DIN Radio installation.**

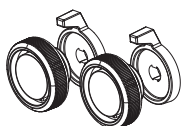
**Please refer to the other installation and assembly manual for models with independent control shafts and other specialty faces not covered.**

**PLEASE REFER TO THE QUICK START GUIDE THAT WAS INCLUDED WITH YOUR RADIO FACE FOR ANY MODEL SPECIFIC INSTALLATION STEPS.**

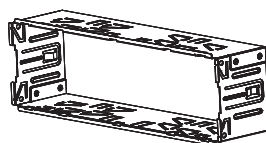
### DIN SOLUTIONS Radio Face Box Contents



**A** Radio Face x(1)

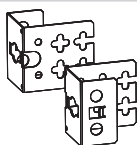


**B** Control Knob Set X(1)

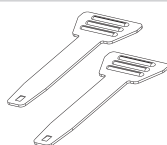


**C** DIN Sleeve x(1)

Radio Face & Knobs will vary depending on product purchased.



**D** DIN Brackets x(2)



**E** DIN Release Keys x(2)



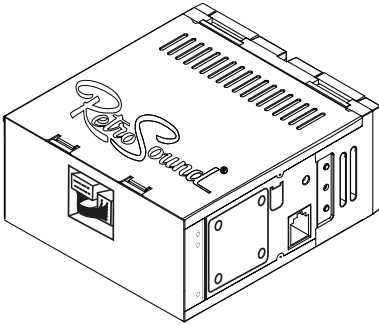
**F** Small Screws x(4)

The information enclosed in this user's manual is to be used as a guide to assist you in the assembly and installation of your radio. This guide does not cover every installation possibility, every vehicle, or every aspect of the installation process.

Retro Manufacturing, LLC or its subsidiaries assume no responsibility for any installation. This manual may be updated from time to time.

**Please check our website for the latest updates**

## Radio Motor Box Contents



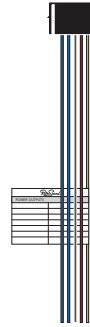
**Z** Radio Motor x(1)



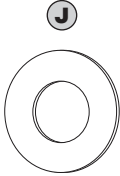
**G** Main Wiring Harness x(1)



**H** Speaker Harness x(1)



**I** Power Harness x(1)



**J** Large Washerx(8)



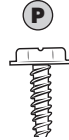
**K** InfiniMount Screws x(10)



**L** 6mm Nut x(4)



**O** Dual Thread Bolt x(1)



**P** 10 mm Self Tapping Screw x(1)

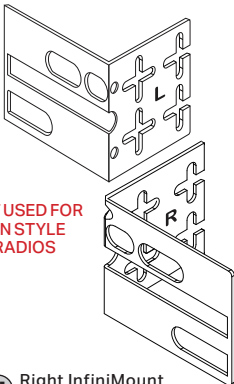


**U** Back-strap x(1)



**V** Bluetooth Mic x(1)

**M** Left InfiniMount Bracket x(1)



NOT USED FOR  
DIN STYLE  
RADIOS

**N** Right InfiniMount Bracket x(1)



**Q** Lock Washer x(3)



**R** Self Tapping Screw x(1)



**S** 7 mm Nut x(1)



**T** Rubber Stopper x(1)



**X** Cupped Plastic Spacer x(2)



**W** Large Plastic Spacer x(2)

**NOTE: All hardware will not be required for every installation. Extra items are included to help you get the right fit for your vehicle.**

## PRECAUTIONS

---

### PLEASE OBSERVE THESE PRECAUTIONS WHEN INSTALLING AND USING THIS UNIT:

This user's manual does not cover all possible installation scenarios. Please be sure to follow the instructions carefully while attempting installation. If you feel you cannot install this unit yourself, consult with a local car audio professional.

**Retro Manufacturing, LLC is not liable for any problems resulting from improper installation of the unit.**

If you have questions about installing your radio, contact us at:  
**tech@retromanufacturing.com** or by calling **888.325.1555**.

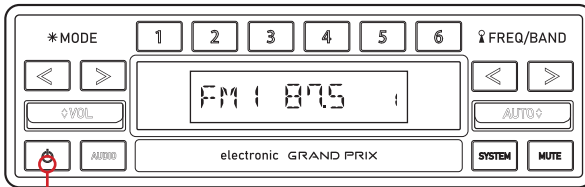
- If the unit does not turn on, check all wiring first. Then check the fuse in your vehicle's fuse panel and the fuse at the unit's wiring harness. If either fuse has failed, eliminate the cause of the failure, and replace the fuse with one prescribed for this unit.
- Do not disassemble or modify the unit or attempt to repair it yourself. If the unit needs to be repaired, consult your dealer or Retro Manufacturing, LLC.
- This unit is not designed for a marine environment. Please do not use the unit where it will be exposed to moisture or excessive dust. Exposure to moisture will damage the unit and void your warranty.
- Use caution when routing wiring and cables to prevent them from being caught in the vehicle chassis, or damaged by screws or moving parts, such as seat rails.
- Cutting the main wiring harness, antenna lead, USB or auxiliary cables **will void the warranty** of your radio.
- If mounting the Radio Face or Radio Motor remotely, use extreme caution not to damage these units' internal parts when choosing brackets and screws.
- Never install the unit in a location where it interferes with your field of vision.
- Use the supplied metal backstrap to secure the rear of the unit. Failure to secure the back of the unit will damage the shafts and **will void the warranty**.
- Never splice into the power lead to supply other equipment with power.
- After installation and wiring, always check the normal operation of other electrical equipment.
- Make sure that no wires interfere with driving or getting in and out of the vehicle. Insulate all exposed wires to prevent short-circuiting or electric shock.
- Keep the volume of your radio at a level that allows you to hear outside noises, such as emergency sirens and train crossing warnings. Prolonged exposure to high volume levels may also result in hearing loss.
- This unit is designed for operation with a negative ground 12-volt DC battery system. Do not operate this unit with other battery systems, especially an 18-volt or 24-volt DC or a positive ground system. If you have a 6-volt system, you need to either convert to 12-volt DC or purchase a separate inverter that would increase the voltage to 12-volts. NOTE: The inverter needs to be rated at 10 amps or higher for the radio to operate properly.

### Special Instructions for the Grand Prix Radio

- Turn off the ignition and wait 30 seconds.
- Turn the ignition on.
- Once the radio displays "RETROSOUND" on the screen, press and hold the radio's power button for approximately 15 seconds to reboot and enter SEL PANEL mode. The screen will display "SEL PANEL" when successful.
- Release the power button.
- Press and release the power button repeatedly until your desired Panel/Display type is shown on the screen. The selected display type will flash five times and then the screen will turn off.
- Press the power button once more to turn the radio back on. The radio is now in the selected Panel/Display mode chosen and is ready to use.

**(See below for your face type Power on)**

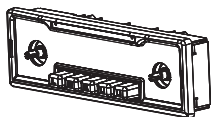
## GRAND PRIX



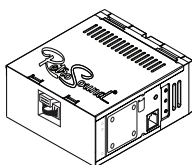
**Press and hold the ON/Off power button**

# Radio Face Assembly

## Parts Needed | Steps 1&2



**A** Radio Face x(1)



**Z** Radio Motor x(1)



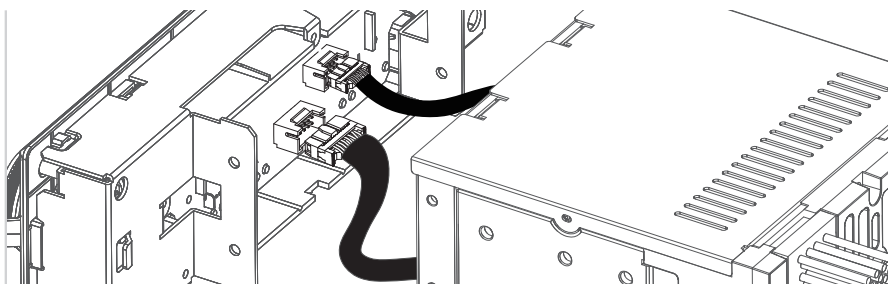
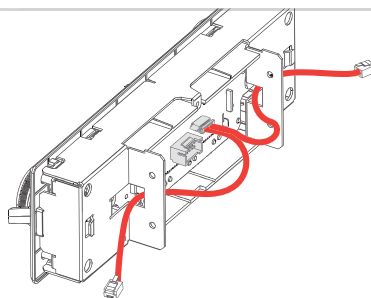
**F** Small Screws x(4)

### Step #1 Connecting the Radio Face.

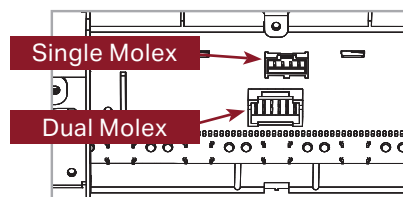
#### IF YOUR RADIO FACE INCLUDED A Y-CONNECTOR CONTROL HARNESS:

Unplug and remove the Y-connector harness shown in red. This is not needed for installation on this Motor.

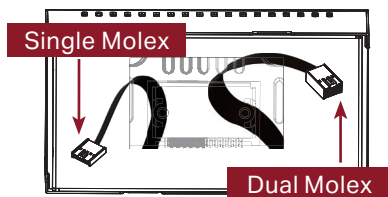
If your radio face did not include a Y-connector harness skip to the next section.



Plug the two ribbon cables from the Radio Motor into the Radio Face.



Back of Radio Face



Front of Motor

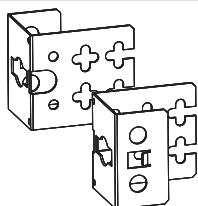
There are two types of Molex Connectors, a single and double bank. Make sure to correspond these to the connectors on the radio face.

Tuck any access cable back into the motor house opening.

# Radio Face Assembly

## Parts Needed | Step 3

**D** DIN Bracket x(2)

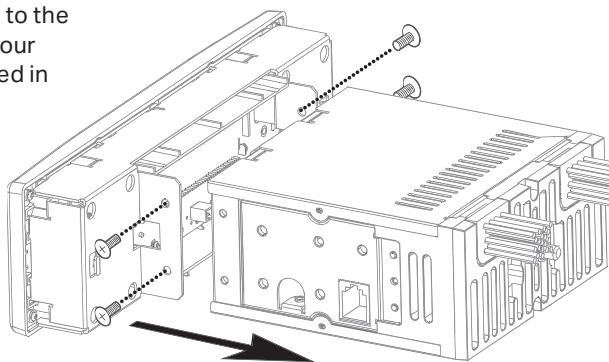


**K** InfiniMount Screws x(8)

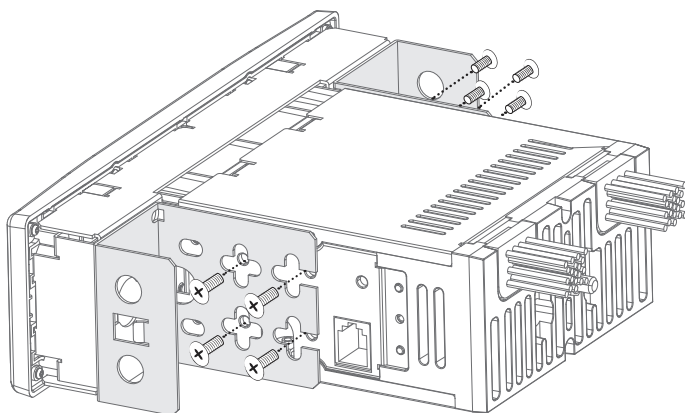


### Step #2 Attaching Radio Face to Motor

Attach the Radio Face to the Radio Motor with the four small screws (**F**) located in the small orange bag.



### Step #3 Attaching the DIN Brackets

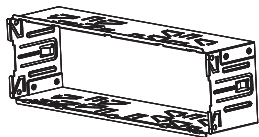


Using the 8 screws (**K**) included in the Radio Motor box, install the DIN Brackets (**D**) to the sides of the Radio Motor. Adjust the brackets forward until they meet the back of the radio face.

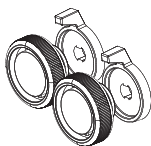
Be careful not to bend the brackets to ensure proper fitment into the DIN Sleeve.

# DIN Repair Sleeve & Knob Installation

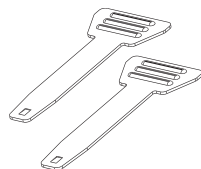
## Parts Needed | Steps 4



**C** DIN Sleeve

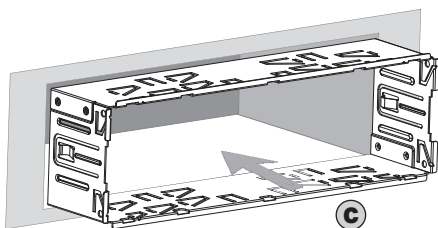


**B** Control Knob Set X(1)

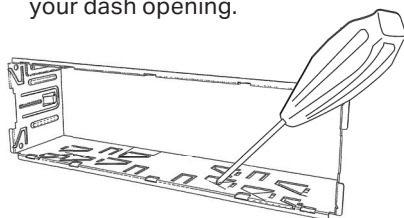


**E** DIN REMOVAL KEYS

## Step #4 Installing the DIN Sleeve

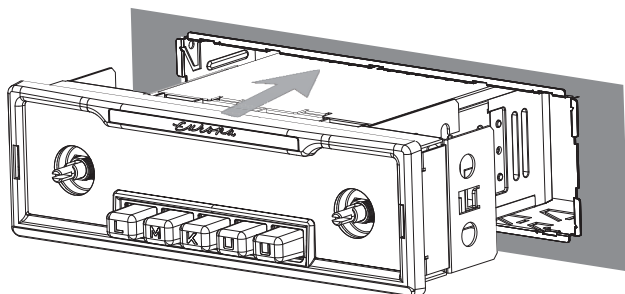


Insert the DIN Sleeve(**C**) into your dash opening.

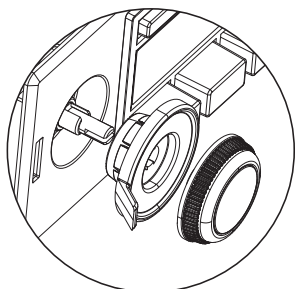


Using a screwdriver, push down the sleeve tabs on all four sides of the DIN Sleeve to secure it into the dash opening.

**NOTE:**  
Complete  
after Step 5



After the main wiring harness is plugged into the back of the radio (**Step 5**), slide the radio assembly into the DIN Sleeve until the unit clicks into place.



Install the included knob sets(**B**) onto the right and left control shafts.

**To Remove the radio after installation:** insert the supplied DIN KEYS (**E**) into the sides of the radio. Once fully seated the radio can be pulled out.

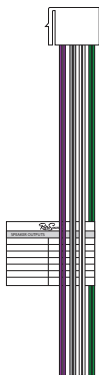


## Wiring the Radio

## Parts Needed | Step 5



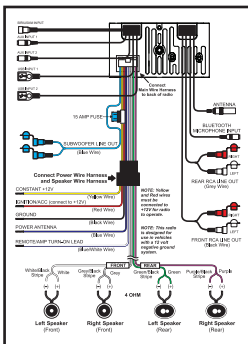
**G** Main Wiring Harness x(1)



**H** Speaker Harness x(1)



Power Harness x(1)



Your connections will vary depending on the unit purchased. Refer to the wiring diagram included in your Radio Motor box for specific connections.

## Step #5 Connect the Wiring Harness








Locate the three wiring harnesses: Main Wiring Harness(**G**), Speaker Harness(**H**), and Power Harness(**I**) from your Radio Motor box. Using the Power Harness and Speaker Harness, connect the bare wire ends of your power and speaker wires to the appropriate power and speaker locations in your vehicle (see wiring diagram included in your Radio Motor box). Then connect the Main Wiring Harness to the back of the Radio Motor.

Do not connect the Speaker and Power Harnesses to the Main Wiring Harness until Step #6.

If you find this step too difficult, consult with a local audio installation professional, or contact us at [tech@retromanufacturing.com](mailto:tech@retromanufacturing.com) for assistance.

## Attaching the Backstrap

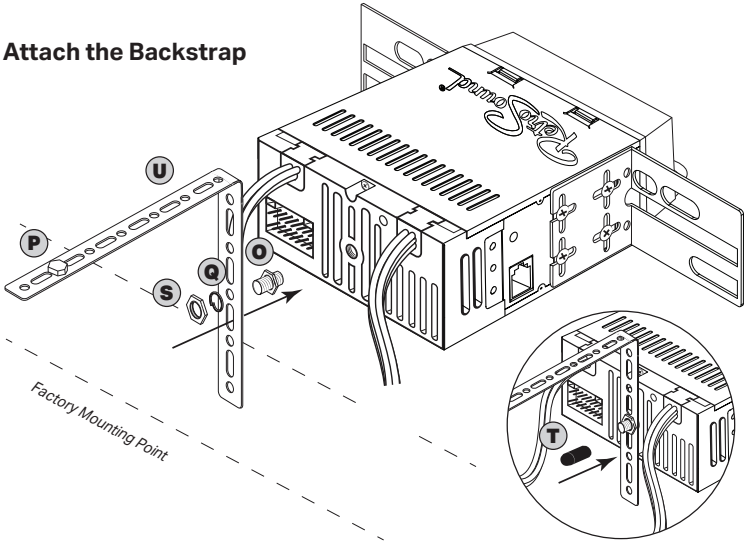
### Parts Needed | Step 6

<b>U</b>  Backstrap x(1)	<b>O</b>  Dual Thread Bolt x(1)	<b>Q</b>  Lock Washer x(1)	<b>P</b>  10 mm Self Tapping Screw x(1)	<b>R</b>  Self Tapping Screw x(1)
	<b>S</b>  7 mm NUT x(1)			<b>T</b>  Rubber Stopper x(1)

### IMPORTANT STEP: Attach the Backstrap!

Before completing the installation with the final nuts and washers, it is **IMPORTANT** that you secure the unit to your vehicle using the supplied Backstrap to support the unit's weight properly. Failure to attach the Backstrap will damage the Control Shafts and void your warranty.

### Step #6 Attach the Backstrap



Before attaching the backstrap, connect both the Speaker Harness(**H**) and Power Harness(**I**) to the female plug of the Main Wiring Harness(**G**). If you are using the Bluetooth Mic(**V**), USB extensions, or any AUX devices, connect them at this time and route the cables to their proper locations. Next, you will need to secure the back of the radio using the supplied Backstrap(**U**) and mounting hardware.

The backstrap mounts to the threads on the back of the Radio Motor using the Dual Thread Bolt(**O**), Lock Washer(**Q**), and 7 mm Nut(**S**) and can be bent or adjusted to align with the mounting point of the original factory radio behind the dash. The Rubber Stopper(**T**) can be added if needed to cover the Dual Thread Bolt. Secure the other end of the backstrap to the factory mounting point on your vehicle using the 10 mm Self Tapping Screw(**P**) or the Self Tapping Screw(**R**).

## Troubleshooting

Problem	Possible Cause	Action to Solve Problem
<b>Radio will not turn on (no lights, no sound)</b>	Constant +12V (yellow) wire not connected or incorrect voltage	Check all connections are connected proper voltage with a volt meter. Voltage range: 12-15 volts
	+12V ignition/ accessory (red) wire not connected or incorrect voltage	Check +12V accessory (red) wire connection
	Ground (black) wire not connected	Check ground connection
	Fuse on constant +12V (yellow) wire is blown	Replace blown fuse
<b>No sound heard from unit but unit lights up</b>	Volume turned all the way down	Increase radio volume
	Internal amp in protection mode	Check speaker leads for any grounded or shorted wires
	Wrong source mode selected	Make sure the unit is in the desired source mode (RA-DIO,AUX)
<b>Unit blows fuses</b>	Possible short in wiring or incorrect fuse used	Make sure only fuses with correct 15 amp ratings are used and check all wiring connections for possible short
	Battery hooked up backwards	Make sure battery is properly connected

For replacement parts, visit our website at:

**[www.retromanufacturing.com](http://www.retromanufacturing.com)**

Contact us by calling **888.325.1555**

or send an email to **[tech@retromanufacturing.com](mailto:tech@retromanufacturing.com)**.

(see "What's in the Box" on pages 2-3 to confirm the part(s) needed).



7470 Commercial Way,  
Henderson, NV 89011

[www.retromanufacturing.com](http://www.retromanufacturing.com)