



# **‘ISO’ Mounting A New Radio**

**(Mounting Your New Radio To The Original Mounting Brackets)**

Document# 999015

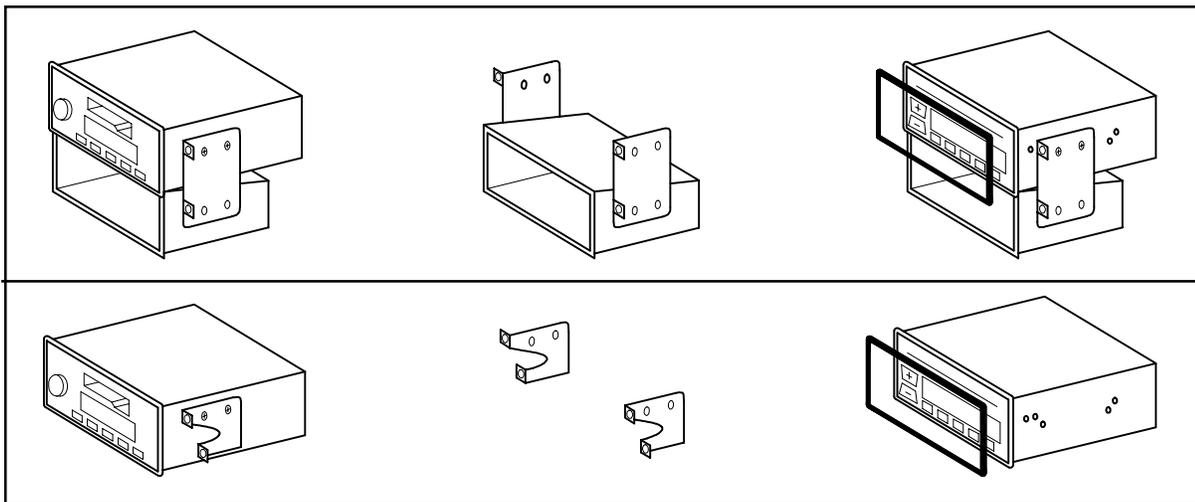
## What Is 'ISO' Mounting A New Radio?

Certain automakers mount their factory installed radios to metal brackets attached to the side of the radio. In turn, these brackets are used to secure the radio to the dash when these brackets are screwed into the dash. Automakers, in the design of their radio, use one or two radio designs that can be used with all of their vehicles, making the assembly of the vehicle more modular on the assembly line and making it easier to stock one radio design instead of one for each unique vehicle. In order to make one radio design fit a multitude of vehicles, the automakers use brackets specifically designed for each vehicle that screw onto this radio design so it can be used in the majority of their vehicles. This also means that these brackets can be removed and used when a new radio is installed.

The aftermarket audio electronics industry has recognized this and has begun to design radios that can be mounted directly to these brackets. This method of unscrewing the brackets attached to the factory radio and attaching them to the side of the new radio is called 'ISO' mounting and allows the new radio to be installed as a direct replacement for the factory radio in many vehicles.

Some automakers who commonly use this 'ISO' mount approach are: Toyota, Nissan, certain Hondas, and Mitsubishi.

Some automakers attach a pocket directly below the radio. This radio/pocket assembly, in many vehicles, is also considered an 'ISO' mount radio because the radio and pocket are joined together with similar brackets on each side. This also means that the automakers factory radio can be unscrewed, leaving the pocket attached to the brackets. Now the new radio can be inserted into the location where the factory radio was located.

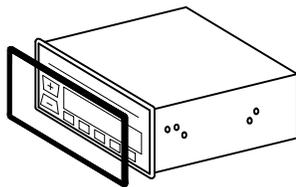


## How To Tell If A Radio Can Be 'ISO' Mounted?

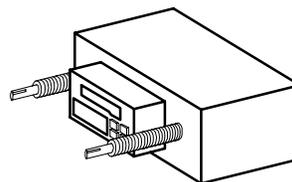
Two things must exist for a radio to be able to be 'ISO' mounted.

**1st:** The radio must be a 'DIN' style rectangular radio. "Shafted" style radios cannot be 'ISO' mounted.

**2nd:** The radio must be designed with screw holes pre-drilled into the sides of the radio. These holes are designed to align with the holes in the brackets originally attached to the automakers factory radio. The new radio should be pre-packaged with mounting screws to attach the brackets to the radio.

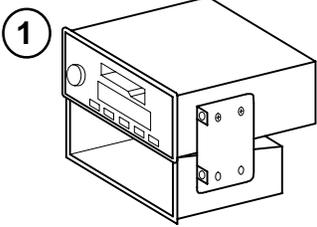


'DIN' Style Radio



"Shafted" Style Radio

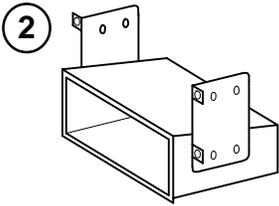
## 'ISO' Mounting A Radio With A Pocket Below The Radio



Auto makers original radio with attached pocket below the radio

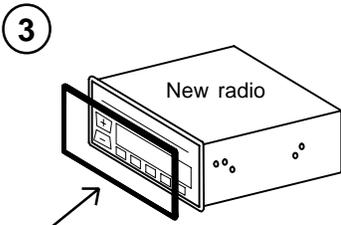
Remove the auto makers factory radio/pocket assembly from the vehicle. Remove the phillips screws securing the radio to the brackets which are also attached to the sides of the pocket below the radio.

**Removal Tip:** If your radio has hard to remove screws, insert the tip of the phillips screwdriver into each screw and firmly tap with a hammer to loosen the tension bond between the screws and the metal chassis of the auto makers factory radio. Then attempt to unscrew the screws.

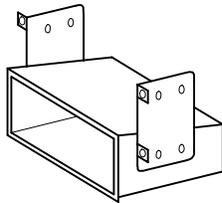


Remove the auto makers factory radio, but leave the brackets attached to the pocket.

**What if you do not have a pocket?** If the radio in your vehicle was a Double 'DIN' radio (or it did NOT have the pocket below the factory radio) **The Install Doctor STRONGLY recommends that you convert your radio assembly over to use a pocket below the radio.** You can purchase the pocket from a Nissan dealership or you can purchase a "multi" pocket radio installation kit that is designed to fit bracket-pocket applications such as this application. Once you have the pocket, secure the pocket to the metal brackets and you can avoid using radio installation kits to mount the new radio to the dash.

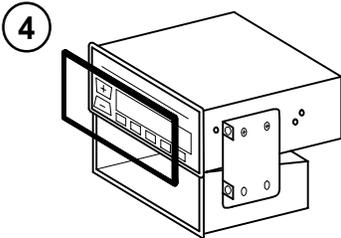


New radios removable trim ring surrounds the face of the radio

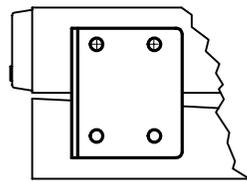


On the side of the new 'DIN' radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

If you are going to mount your radio in this manner, you will probably have to remove the radios face trim ring around the face of the radio. This trim ring will most likely prevent the vehicles dash panel from securing properly back onto the dash.



New radio attached to the auto makers pocket and brackets



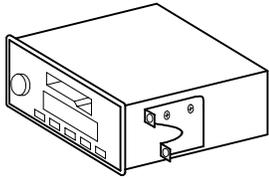
Line up like this

A common **mistake** when mounting your new radio to the auto makers radio bracket and pocket is selecting the wrong holes on the side of the new radio.

The new radio body, NOT THE FACE PLATE, should line up with the pocket below the radio. Most new radio manufacturers design their radios with a face that protrudes out from the body of the radio. The most common mistake is to mount the new radio with the protruded face lined up level with the pocket below the radio, not the new radios body.

## ‘ISO’ Mounting A Radio Without A Pocket Below The Radio

1

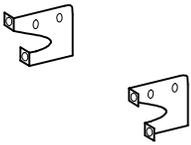


Remove the auto makers factory radio from the vehicle. Remove the screws/bolts securing the radio to the brackets.

**Removal Tip:** some auto makers use phillips screws, some use 8 mm bolts with phillips screw cutouts in the top of the bolts. For best results use a socket to prevent stripping out the screws. If your radio has hard to remove phillips screws, insert the tip of the phillips screwdriver into each phillips screw and firmly tap with a hammer to loosen the tension bond between the phillips screws and the metal chassis of the auto makers factory radio. Then attempt to unscrew the phillips screws.

Auto makers original radio with metal brackets attached to the radio

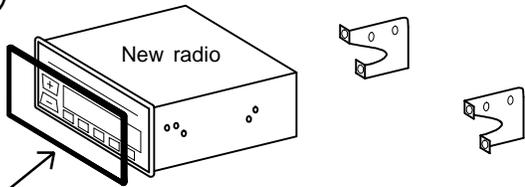
2



Remove the auto makers factory radio, but leave the brackets.

**Tip:** Before removing the brackets, carefully look at where the brackets attach to the radio. The brackets will attach to the new radio in exactly the same location and orientation.

3

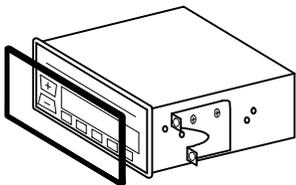


New radios removable trim ring surround the face of the radio

On the side of the new ‘DIN’ radio should be predrilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket configurations.

If you are going to mount your radio in this manner, you will probably have to remove the radios face trim ring around the face of the new radio. This trim ring will most likely prevent the vehicles dash panel from securing properly back onto the dash.

4



New radio attached to the brackets originally attached to the factory radio

A common **mistake** when mounting your new radio to the auto makers radio brackets is selecting the wrong holes on the side of the new radio.

As stated above, the brackets should attach to the new radio in the exact same spot on the new radio. If you have problems aligning the brackets to the new radio, reattach the brackets back onto the auto makers factory radio to see where and how the brackets attach to that radio, then transfer that bracket to the new radio and the holes on the side of the new radio.