



HRS ISOLATION BASE FOOT REPLACEMENT

A Low Noise Floor Is Fundamental

Introduction

Thank you for purchasing new Isolation Base Feet for your HRS Isolation Base. When used properly, they will give you many years of superior musical or video signal reproduction.

HRS Isolation Bases significantly reduce the negative impact of structure-borne vibration on your audio or video component performance. Many years of engineering experience, custom material development, and listening tests are incorporated into the design of HRS Isolation Bases. The performance of the HRS Isolation Bases will enable your audio/video source and amplification components to achieve a very high level of performance.

HRS Isolation Bases are an excellent match for HRS Damping Plates, Nimbus products, Vortex, and Helix. While the HRS Isolation Bases work to significantly reduce structure-borne vibration, the HRS Damping Plates, Nimbus products, Vortex, and Helix significantly reduce the harmful effects of airborne vibration and structural resonance on your components.

Please read this manual completely prior to use of your HRS Isolation Base for setup and product care instructions. Proper care of your HRS Isolation Base will ensure optimum performance and an aesthetically pleasing appearance.

All HRS products are manufactured in the US by highly skilled craftsmen using superior techniques and proprietary materials. HRS is dedicated to producing the finest audio products in the world. To accomplish that, all products advance through a series of intense inspection and approval protocol. All items are inspected 100% to verify the assembly fits are up to our exacting standards. This rigorous protocol, combined with precision design, results in a product that is a pleasure to install, use, change, or expand at any time. From all of us here at HRS, we truly hope you enjoy our product.



**Scan here to register for HRS
5-year limited warranty**
<https://avisolation.com/company-warranty/>

Your order was built and inspected by the
following HRS staff

Manufacturing: _____

Inspection: _____

Packaging: _____

Step 1. Prepare a work surface for the HRS Isolation Base. The surface should be at least 2'×2' in size, and covered with clean, soft blanket to protect the cosmetic finishes on the HRS parts.

Flip the HRS Isolation Base upside-down on your work surface, so you have access to the bolts that hold the HRS Isolation Base Feet in place (photo 1). G7 Feet do not have bolts, because the threads are built-in (photo 2).



Photo 1

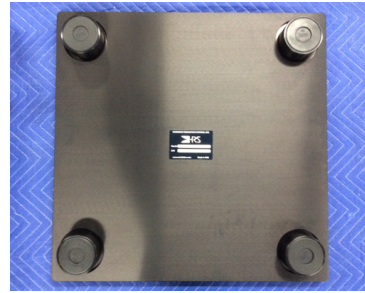


Photo 2

Step 2. Identify the load ranges of the installed HRS Isolation Base Feet. This will determine what size of hex bit must be installed on your torque wrench to remove the bolts. G7 feet do not require any tools to remove or install.

The load range of the HRS Isolation Base Feet can be identified by the colored dots on the bottom of the rubber (Table 1). HRS Isolation Base Feet that have BL, GN, or RD load ranges installed (photo 3) require a $\frac{7}{32}$ " hex bit. HRS Isolation Base Feet with OR, YL, PK, or WT load ranges installed (photo 4) require a $\frac{5}{32}$ " hex bit.

Dot Color	Blue	Green	Red	Orange	Yellow	Pink	White
Load Range Abbreviation	BL	GN	RD	OR	YL	PK	WT

Table 1

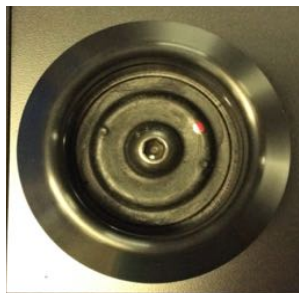


Photo 3

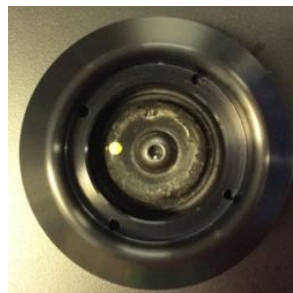


Photo 4

Step 3. Use the torque wrench and proper bit to remove the bolts from the HRS Isolation Base Feet you are replacing. Set the removed parts aside. Make sure to remove any shims or spacers that were in place as well. G7 Feet can be removed by hand, by turning them counter-clockwise.

Step 4. For standard load ranges, the new HRS Isolation Base Feet will be the same at all four locations. Shims and/or spacers may be packaged with certain HRS Isolation Base Feet. BL, and RD load ranges require one .063"×.625"OD×.390"ID shim at the installation site (photo 5). There are two different models of GN load range assemblies that you can differentiate by the number of green dots on the rubber. GN assemblies with one dot require one .063"×.625"OD×.390"ID shim. GN assemblies with two dots require two .063"×.625"OD×.390"ID shims. OR, YL, PK, and WT load ranges have a .125"×.500"OD×.265"ID spacer pre-installed (photo 6). Do not add additional shims or spacers to any of these seven standard load ranges. Additional shims are only necessary for custom load ranges, and should only be added according to the bill of materials provided with the HRS Isolation Base Feet. G7 Feet never require shims.

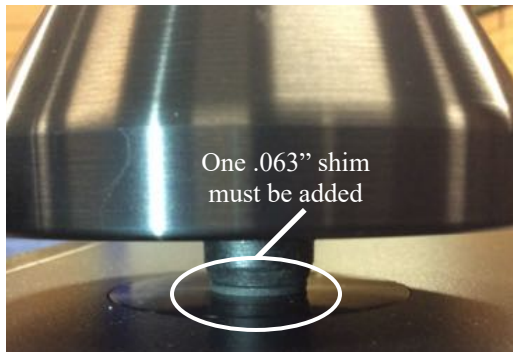


Photo 5

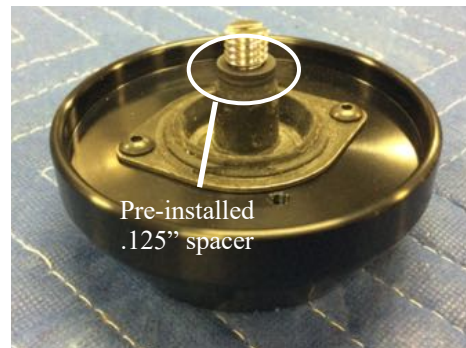


Photo 6

For custom load ranges, refer to the provided bill of materials to identify the proper location for each of the new HRS Isolation Base Feet. Use the location of the HRS logo and the orientation of the product tag as references to ensure you arrange them correctly. Add any shims that are called for on the bill of materials at this point as well.

Step 5. Once the HRS Isolation Base Feet are all placed correctly with the necessary shims, fasten them to the HRS Isolation Base. Use one $\frac{3}{8}$ "-16×1 $\frac{1}{2}$ " bolt for each HRS Isolation Base Foot with a BL, GN, or RD load range. OR, YL, PK, and WT load ranges come with a custom $\frac{1}{4}$ "-20×1 $\frac{1}{2}$ " bolt assembly that is pre-installed in the isolator element. A thread adapter is installed at HRS so that it can be fastened directly to an HRS Isolation Base. This custom assembly is bonded with permanent Loctite adhesive so that it does not come apart.

Do not force bolts to thread in if they are sticking. This can permanently damage the threads of the HRS Isolation Base. If any bolt is difficult to thread in, loosen and remove it completely, and then try installing it again. Contact HRS or you authorized HRS dealer if the problem persists.

Tighten the bolts down using just your fingers at first, and then apply the final torque using a torque wrench and the proper bit. Use a $\frac{7}{32}$ " hex bit for the $\frac{3}{8}$ "-16 x 1 $\frac{1}{2}$ " bolts in BL, GN, or RD HRS Isolation Base Feet, and set the torque wrench to 216 in•lb. For OR, YL, PK, and WT load ranges, use a $\frac{5}{32}$ " hex bit on the $\frac{1}{4}$ "-20×1 $\frac{1}{2}$ " bolts, and set the torque wrench to 60 in•lb.

G7 feet have a thread on top that mates directly to the HRS Isolation Base with no additional fasteners. Thread them on by hand so that the rubber gasket on top is compressed in full surface contact with the bottom of the HRS Isolation Base.

Once the HRS Isolation Base Feet are installed, follow the setup instructions below to properly setup your newly modified system. These instructions can also be found in the original HRS Isolation Base manual.

Safety Instructions

IMPORTANT WARNINGS!

Do not place any tall objects on the HRS Isolation Base. A tall object is any object with a height that is greater than the depth of the HRS Isolation Base. A tall object is also any object that has a height greater than its own width or length. Tall objects must not be placed on top of the HRS Isolation Base for any reason. The object may become unstable and tip over, causing damage to the component, adjacent objects, or injury to people.

Lifting or moving the HRS Isolation Base should always be done by means of the outer rectangular frame. Do not lift the HRS Isolation Base by the inner plate or the HRS Isolation Base Feet attached to the bottom of the rectangular frame. Always lift or move the HRS Isolation Base with the inner plate facing up, and the external support feet facing down (the same orientation as when used to support your component). The inner plate is bonded to the outer frame. Following these handling instructions will prevent damage to the unit, and will ensure the inner plate does not come out when moving the HRS Isolation Base.

Setup Instructions

Placing components with sharp or pointed feet directly on the HRS Isolation Base may cause nicks, scratches, or gouges in the surface. Use of a protective barrier between any metal-like feet or sharp objects will prevent damage to the HRS Isolation Base surface. Protection from sharp objects is recommended to prevent scratches and maintain the original beauty of the HRS Isolation Base.

HRS Isolation Bases are produced with different Isolation Base Foot designs to optimize the performance of specific components. The HRS Isolation Base Feet that your HRS Isolation Base was originally configured with is identified on a label on the outside of its original packaging. This designation is also identified by a color-coded dot located on the back edge of the frame. HRS Isolation Bases have a unique ability to be reconfigured at any time to optimize performance for a different component or different environment. When you replace HRS Isolation Base Feet, we recommend you also change the color-coded dot on the back of the HRS Isolation Base, so it is easy to identify what performance setting it is currently configured to.

The HRS G7 Bi-Directional Noise Reduction Footer does not have any load range limit. You can place any component on an HRS Isolation Base configured with G7 Feet. An HRS Isolation Base with G7 Feet is not sensitive to component weight or weight distribution. HRS Broadband Isolation Feet (SF Footers) and HRS Low Frequency Feet (LF Footers) are made in various load ranges to optimize performance for different component weights. When using the SF and LF Footers, please verify that the component which will be placed on the HRS Isolation Base is within the rated load range for SF Footer, or is the specific component model number for LF Footers.

If the SF or LF Footers of the HRS Isolation Base are overloaded, the isolators will hit a protective stop and significantly reduce the product performance. If your HRS Isolation Base has SF or LF Feet, you can check to see if the HRS Isolation Base is overloaded by testing for compliance between the HRS Isolation Base frame and the HRS Isolation Base Feet at each corner. With the component centered on the HRS Isolation Base, check each corner individually by pressing down firmly. An HRS Isolation Base with SF and LF Feet should be compliant at each corner location and not feel rigid. If there is displacement at each corner, the HRS Isolation Base is working as designed. If there is no compliance at one or more corners, then the load range should be changed by HRS to the proper load range. HRS can modify the HRS Isolation Base load range as many times as needed, for a fraction of the original purchase price. Overloading the HRS Isolation Base for an extended period of time may reduce its service life, and voids the warranty.

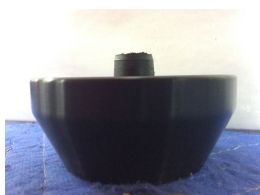
The HRS G7 Feet will not have any compliance, and so they should not react when you press down on the corner of the base. Instead, check that all four G7 Feet are in direct intimate contact with the surface the HRS Isolation Base is resting on, by pressing down firmly at each corner and observing if the HRS Isolation Base rocks up and down. If any rocking motion occurs, adjust the G7 Foot at the rocking corner by turning it counter-clockwise (as viewed from below base frame) $\frac{1}{8}$ of a rotation at a time until it no longer rocks under pressure. Always maintain at least three full rotations of thread engagement on each G7 Foot. Optimal performance will be achieved when at least three G7 Footers are threaded fully into the frame, and only one foot is adjusted to prevent rocking. The G7 Feet are not designed to level the HRS Isolation Base. Leveling the HRS Isolation Base is done by adjusting the HRS Audio Stand, or other supporting structure.



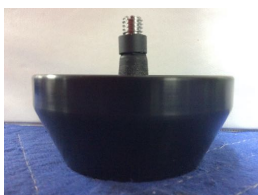
SF2 height: 1.300"



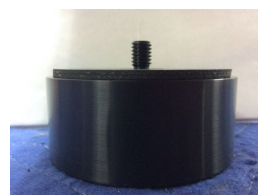
SF3 height: 1.300"



LF2 height: 1.475"



LF3 height: 1.475"



G7 Height 1.350"



Bottom SF2 / LF2



Bottom SF3 / LF3

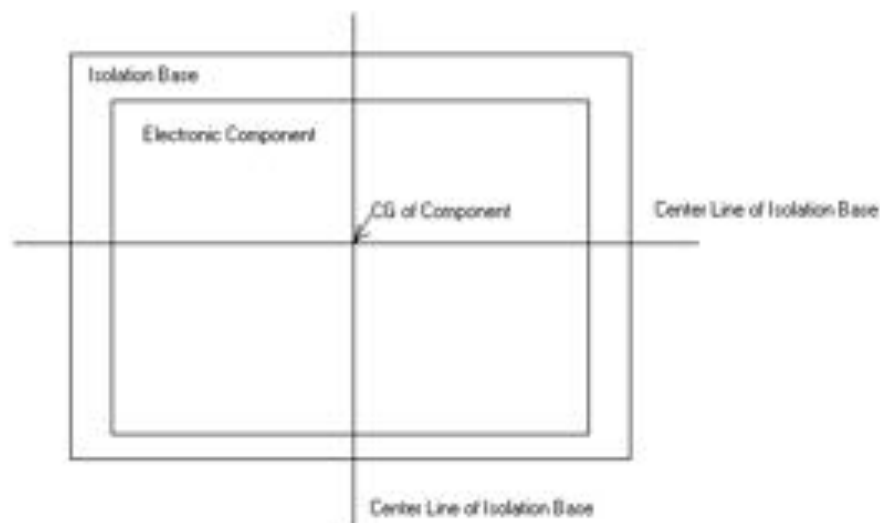


Bottom G7

Note: The heights listed above are measured from the bottom to the top of the outer metal housing only (does not include isolators, shims, or threads).

A majority of source components have a center of gravity that is approximately near the geometric center of the component. However, some amplifiers and source components can have significant variation in weight distribution that is dependent on the design layout of the heavier objects within the component.

The HRS G7 Feet are not sensitive to component weight or weight distribution. You can use the HRS G7 Feet with any component weight and any weight distribution. For the SF/LF Feet, the ideal HRS Isolation Base setup is to have the center of gravity of the component in the geometric center of the HRS Isolation Base. This will result in even loading of the SF/LF Feet. Achieve this by estimating the center of gravity of the component and placing it at the geometric center of the HRS Isolation Base. Even loading of the SF/LF Feet can also be achieved by moving the component until the HRS Isolation Base is level.



Top View
Component and HRS Isolation Base

If you have a component that does not allow you to locate the center of gravity near the geometric center of the HRS Isolation Base with SF/LF Feet, you can utilize a custom combination of HRS Isolation Base Feet to accommodate a significant variation in isolator loading. Please consult with your authorized HRS dealer or HRS directly if you have questions regarding proper loading of your HRS Isolation Base. Custom HRS Isolation Bases built for a specific component model have already been set up for that specific component weight distribution. If the component is centered on the custom HRS Isolation Base, and the HRS logo is in the right front corner, then the loading of a custom base model is correct.

Limited Warranty



Scan here to register for HRS 5-year Limited Warranty

Harmonic Resolution Systems warrants the product designated herein to be free of manufacturing defects in material and workmanship, subject to the conditions herein set forth, for a period of 90 days from the date of purchase by the original purchaser. **The purchaser is required to register the unit with Harmonic Resolution Systems by visiting <https://avisolation.com/company-warranty/> and completing the limited warranty registration, within 14 days upon receipt of any HRS product. Scan QR code to register for HRS 5-year limited warranty.**

The limited warranty extends the 90 days to a period of 5 years from the date of purchase by the original purchaser, or no later than 6 years from the date of shipment to the authorized Harmonic Resolution Systems dealer, whichever comes first.

This limited warranty is subject to the following conditions and limitations.

1. The limited warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, abused or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with or modified by anyone other than Harmonic Resolution Systems. The product must be packed and returned to Harmonic Resolution Systems by the customer at his or her sole expense. A written description of the defect and a photocopy of the original purchase receipt must accompany a returned product. This receipt must clearly list the model and serial number, the date of purchase, the name and address of the purchaser, the authorized HRS dealer, and the purchase price. Harmonic Resolution Systems reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products, and to change the prices or specifications of any product, without notice or obligation to any person. This warranty is void and inapplicable if the product has been handled other than in accordance with the instructions specified within this document, abused or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being tampered with, modified or repaired by anyone other than Harmonic Resolution Systems.
2. The limited warranty does not cover normal recommended care and maintenance. Harmonic Resolution Systems Inc. shall not be responsible in any way for consequential or indirect damages or liabilities resulting from the use of the product covered herein, or, resulting from any breach of this warranty or any implied warranty relating to said product.

3. Harmonic Resolution Systems shall not be responsible in any way for damage to finishes resulting from normal use, or exposure to sunlight or the environment, even within the normal and extended limited warranty period.

During the limited warranty period, Harmonic Resolution Systems will repair or replace any defective components free of charge. A Return Authorization Number (RA Number) obtained directly from Harmonic Resolution Systems is required before any product is returned to Harmonic Resolution Systems for any reason. This number must be visible on the exterior of the shipping container(s) for Harmonic Resolution Systems to accept the return.

Units shipped to Harmonic Resolution Systems Inc. without a visible RA Number on the exterior of the shipping container(s) are subject to be returned to the sender, freight collect.

Units to be repaired by Harmonic Resolution Systems must be sent shipping and insurance prepaid by the original purchaser in the original packaging material. A returned product should be accompanied by a written description of the defect.

Repaired units will be returned by Harmonic Resolution Systems shipping, and insurance will be prepaid by the customer.

All other warranties or conditions, either written or implied, are void.

(MADE IN USA)

All Harmonic Resolution Systems Inc. products are 100% made in The United States of America by skilled craftsmen using only the finest materials and our personal dedication to the highest workmanship standards.

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