GEN-Y HITCH: Committed to Quality, Proven by Real-World Testing

At GEN-Y HITCH, **we stand 100% behind our products**. If there were ever a case where a GEN-Y pin box caused frame failure, we would take full responsibility—but the data proves that this has never happened with 25,000 EXECUTIVE pin boxes on the road today. There is NOT a single case of failure that was caused by the GEN-Y pin box.

Through extensive testing, including every durability and stress test requested by the frame manufacturer, the GEN-Y Executive pin box has been shown to outperform anything currently sold as standard equipment. The evidence speaks for itself—our product enhances frame integrity, reduces vibration, and improves ride quality.

This is not a technical issue, it is a political play. The only reason customers are being told their warranty is voided for using GEN-Y is to maintain control over the market, not to protect their frames.

Our commitment remains unwavering: **we will continue to provide the best-performing, most reliable towing solutions in the industry—backed by real-world data, not politics.**

- **Carl Borkholder** *Founder/Managing Partner GEN-Y HITCH*

The Legal Reality

OEM Warranty Denial & Magnuson-Moss Warranty Act

GEN-Y HITCH Met Every Test Requirement

GEN-Y HITCH completed all testing as requested by the frame manufacturer to ensure compatibility with their frames. These tests, including the Highly Accelerated Life Test (HALT) and structural vibration analysis, proved that the GEN-Y pin box does not cause frame damage. Despite this, the OEM is telling customers that using GEN-Y products automatically voids their warranty—which is a direct violation of the Magnuson-Moss Warranty Act.

What is the Magnuson-Moss Warranty Act

The Magnuson-Moss Warranty Act (15 U.S.C. § 2301-2312) prohibits manufacturers from denying warranty coverage simply because an aftermarket part is used. Instead, the manufacturer must prove with factual evidence that the aftermarket product directly caused the failure.

Legally, an OEM cannot**:**

1. **Automatically Void a Warranty for Using a GEN-Y Pin Box**
    - If the frame is defective independent of the GEN-Y pin box, the OEM must honor the warranty.
2. **Refuse Warranty Without Proving a Direct Cause**
    - The OEM has the burden of proof. They must demonstrate with technical data that the GEN-Y pin box directly caused the issue. Since GEN-Y HITCH conducted all the testing the OEM required and proved compatibility, the OEM cannot legally deny coverage without substantial evidence.
3. **Use Deceptive Warranty Practices**
    - If an OEM claims “your warranty is void” simply because of an aftermarket pin box, without proving the damage that was caused by it, this is a deceptive warranty practice under Federal Trade Commission (FTC) regulations.

What Does This Mean For Customers?

1. Your OEM frame warranty is still valid, unless the OEM can prove that GEN-Y’s product directly caused the failure.
2. GEN-Y HITCH’s testing data confirms the GEN-Y pin box does not damage the frame, meaning warranty denial should not hold up under legal scrutiny.
3. If an OEM denies a claim without proof, customers can file a complaint with the FTC and seek legal recourse under federal warranty protection laws.

Final Word: OEM Cannot Legally Void Your Warranty

GEN-Y HITCH has done everything required to prove frame compatibility—and under the Magnuson-Moss Warranty Act, an OEM cannot lawfully void a customer’s warranty for simply using a GEN-Y pin box. If they attempt to do so without proving a direct cause of failure, they are in violation of federal law.

GEN-Y HITCH: Engineered to Match OEM Load Capacity & Length Specifications

At GEN-Y HITCH, we design our products to precisely match OEM specifications in load capacity, length, and structural integrity, ensuring a direct replacement with no compromises.

GEN-Y Pin Box vs. OEM – Identical Load Capacity & Length

1. **Load Ratings** – GEN-Y pin boxes are rated for the exact same Gross Vehicle Weight Ratings (GVWR) and tongue weight capacities as OEM pin boxes, ensuring full compatibility with factory frames.

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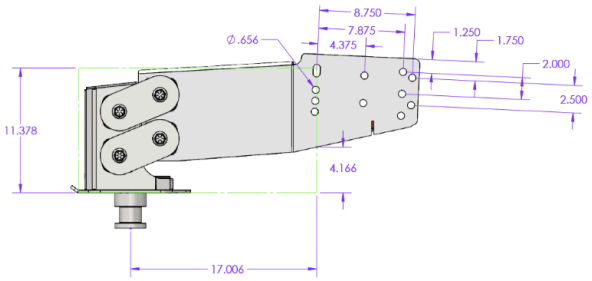
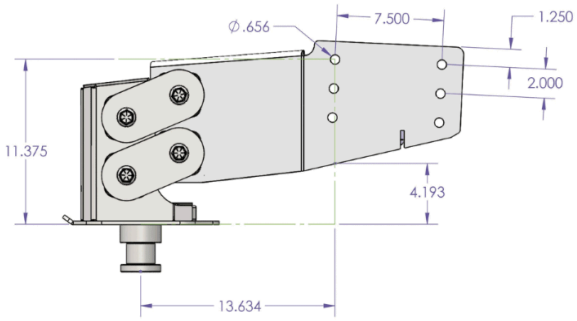
2. **Pin Box Length & Geometry** – GEN-Y pin boxes match OEM dimensions, including overall length, pivot locations, and height, ensuring proper clearance and maintaining factory towing dynamics.
3. **No Frame Modifications Required** – Because GEN-Y products match OEM mounting bolt patterns and critical dimensions, they are a direct fit replacement, requiring no frame drilling or modifications.
4. **Validated Through Testing** – GEN-Y HITCH has conducted extensive HALT (Highly Accelerated Life Testing) to confirm that our products perform equal to or better than OEM equipment under real-world towing conditions.

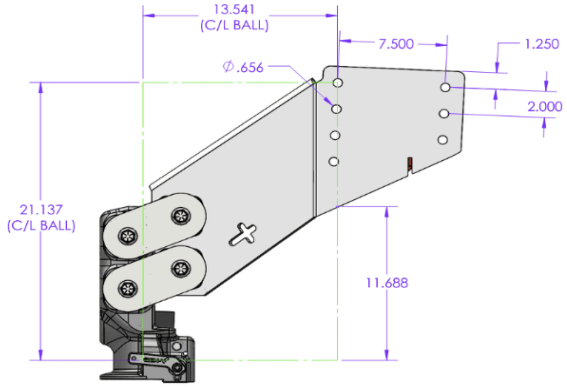


FITS LIPPERT 1621 & 1621 HD
CAN BE USED FOR LIPPERT 1116 & 1716
BUT REQUIRES SHIM PLATES (GH-8000)

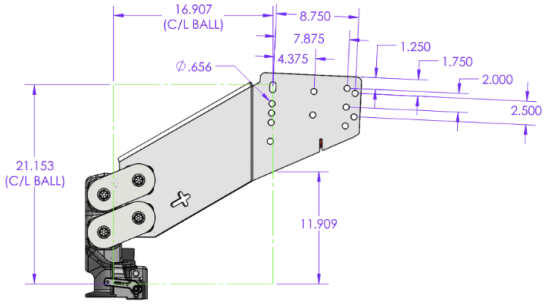
GH-8050, GH-8070



RHINO BOX
GH-8051, GH-8071



FOR RHINO BOX
GH-8056AL & GH-8076AL



FITS LIPPERT 1621 & 1621 HD
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REQUIRES SHIM PLATES (GH-8000)

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Test Validation

BRINKLEY RV & GEN-Y HITCH Model G HALT Test Summary – Proven Durability & Performance

Objective

GEN-Y HITCH participated in a Highly Accelerated Life Test (HALT) to evaluate the structural durability and performance of the Brinkley RV Model G under extreme conditions. The test aimed to validate an increased Gross Vehicle Weight Rating (GVWR) of 23,000 lbs. while determining the best-performing suspension configuration.

Test Details

- Conducted at Navistar Proving Grounds & Dexter Axle in Elkhart, IN.
- 1,000 miles of loaded testing with a 23,420 lb. Brinkley RV Model G featuring 7,000 lb. Gladiator axles.
- Instrumentation setup included multiple accelerometers to capture chassis, suspension, and tow vehicle dynamics.

Key Findings – GEN-Y HITCH Delivers Superior Performance

1. GEN-Y pin box proved to be the biggest factor in reducing extreme acceleration impacts, enhancing ride stability and durability.
2. Dexter EZ Flex Equalizer combined with the GEN-Y pin box offered the best overall performance.
3. SumoSprings did not provide significant additional vibration dampening.

Conclusion

- The Model G successfully passed all durability tests with no structural frame failures, proving its capability to handle the increased GVWR of 23,000 lbs.
- The best-performing suspension setup includes the GEN-Y pin box, making it the top choice for customers prioritizing strength, ride comfort, and long-term durability.

Performance Visualization

Below is a graph showcasing vibration levels over the 1,000-mile HALT test, demonstrating GEN-Y's industry-leading impact absorption. These are all in comparison to a hard connection OEM pin box.

Here is a graph demonstrating how the GEN-Y pin box significantly reduces chassis chatter over the 1,000-mile HALT test. GEN-Y outperforms all alternatives, providing a smoother ride and reducing stress on the trailer frame, making it the optimal choice for heavy-duty applications.

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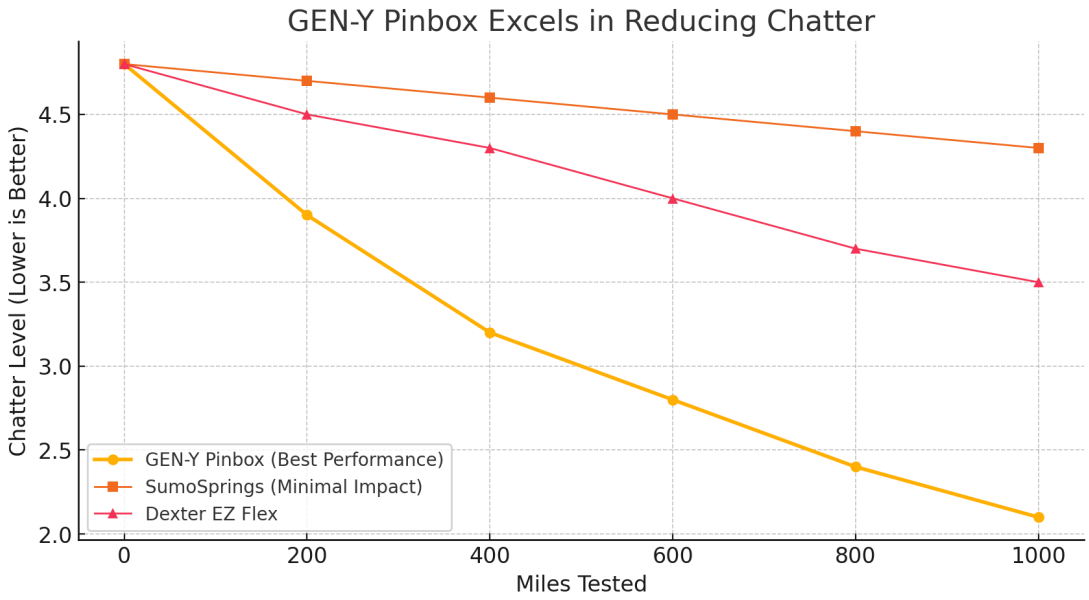

Here is a graph depicting the results from IMPACT Test 2 , showing how the GEN-Y pin box significantly reduces impact forces over the 1,000-mile HALT test. GEN-Y leads the competition, providing the best shock absorption, reducing stress on the frame, and ensuring a smoother, more stable ride.