



# LUX LUTHIER LLC

## SELECTED REPAIR & RESTORATION PROJECTS

Lux Luthier LLC Is A One-Person, Detail-Driven Guitar Workshop In Denver, Colorado.

My Name Is Denis Sweeney. I Specialize In Precision Repairs, Thoughtful Restorations, And Custom Builds Crafted Around A Player's Needs. Every Instrument Receives The Same Careful Attention: A Craftsman's Eye, A Player's Perspective, And A Focus On Tone, Feel, And Long-Term Reliability.

This Portfolio Showcases Selected Projects—From Subtle Playability Improvements To Complex Structural Repairs And Full Builds. Each Instrument Is Treated With Care, Respect, And A Commitment To Clear, Measurable Results.

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# TELECASTER BUILD

## RAW BODY TO RELIC FINISH

This Build Began With An Unfinished Ash Body. I Shaped, Sanded, Grain-Filled, And Lacquered The Instrument Using A Multi-Stage Nitrocellulose Relic Process. The Goal Was A Naturally Worn, Vintage-Correct Look While Maintaining Structural Integrity.

### Work Included:

- **Ash Body Preparation And Leveling**
- **Nitrocellulose Lacquer Application**
- **Controlled Relic Finishing (Body And Hardware)**
- **Full Electronics Installation**
- **Neck Shaping And Oil Finish**
- **Final Setup And Playability Optimization**



# TELECASTER BUILD

## COMPLETED TELECASTER BUILD

Final Assembly Included Clean Wiring, Compensated Saddles, Neck Finishing, And A Complete Pro Setup. The Guitar Was Dialed In For Smooth Bends, Stable Tuning, And Classic Tele Character.



Completed Guitar

# VINTAGE BASS REFURBISH

## STRUCTURAL & COSMETIC REFURBISHMENT — GLOBAL BASS, LATE 1960S

This Late-'60s Bass Needed Structural Reinforcement, Cleaning, Fretwork, And Full Electronics Rehab. The Goal Was To Stabilize The Instrument While Preserving Its Vintage Character.



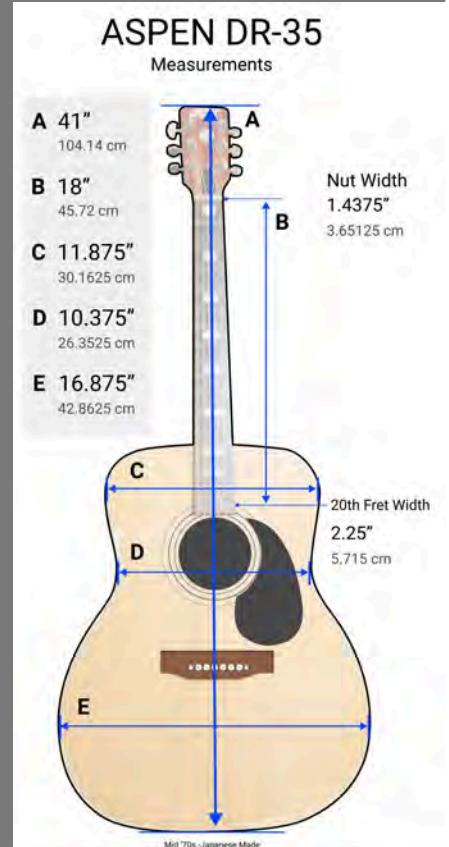
### Work Included:

- **Deep Cleaning And Hardware Restoration**
- **Neck Relief And Truss Adjustments**
- **Electronics Troubleshooting And Repair**
- **Fretboard Cleaning And Conditioning**
- **Full Setup With New Strings**

# ASPEN AD-35 ACOUSTIC

## MULTI-STAGE RESTORATION

This Aspen Dreadnought Required Extensive Structural And Cosmetic Work, Including A Neck Reset, Headstock Crack Repair, Bridge Reglue, Fretboard Restoration, And Full Setup.



### Condition:

**This guitar had Martin-style X bracing, and the same beautiful 3-piece, wedge shaped, back as the Martin D35**

### Specs

**Top: Sitka Spruce**  
**Sides and Back: Rosewood**  
**Neck: Mahogany**  
**Fretboard: Rosewood**  
**Nut: Bone**

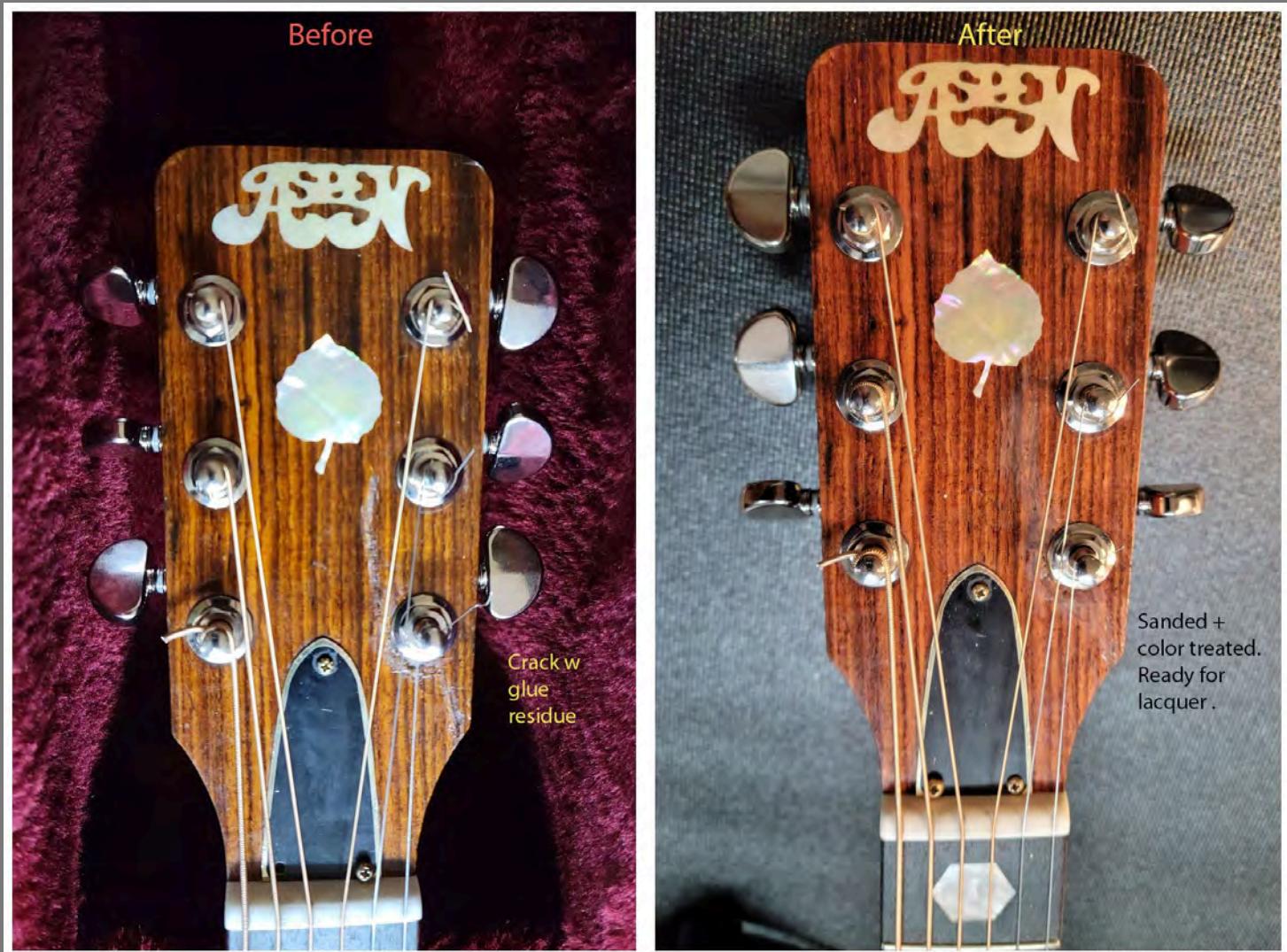


The guitar features Martin-style X-bracing and a beautiful three-piece wedge back similar to a D-35.

# ASPEN DREADNOUGHT

## HEADSTOCK CRACK REPAIR — STRUCTURAL REINFORCEMENT

A Long Crack Had Formed Behind The Nut Due To Impact. I Opened The Fracture, Cleaned The Joint, Applied Hot Hide Glue, And Clamped It For A Full Cure. Afterwards, The Area Was Sanded, Tinted, And Refinished To Blend Into The Original Wood Tone.



### Result:

A clean, structurally sound joint with improved stability and minimal visual evidence of the repair.

# ASPEN DREADNOUGHT

## BRIDGE REGLUE & SOUNDBOARD CLEANING

The Bridge Was Lifting Significantly From The Top. I Removed It, Cleaned And Leveled The Soundboard, And Reinstalled The Bridge Using High-Strength Wood Adhesive And Controlled Clamping Pressure.

Debris And Buildup Around The Area Were Safely Removed, Restoring The Appearance Without Harming The Finish.

### Acoustic guitar bridge reset

BEFORE



#Denis408  
3/2021

AFTER



### Final Outcome:

Secure bridge adhesion, improved tonal response, and a clean, restored top surface.

# TAYLOR 114CE

## CRACK HUMIDIFICATION & INTERNAL CLEATING

This Taylor arrived with three major top cracks caused by extreme dryness. Over four days, I slowly reintroduced humidity using Dampits in a closed case, allowing the cracks to close naturally.

### Repair Steps

- **Controlled humidification (Days 1-4)**
- **Crack closure monitoring**
- **Internal cleats for long-term reinforcement**
- **Surface glue and cleanup**
- **Final inspection and blending**



### Result:

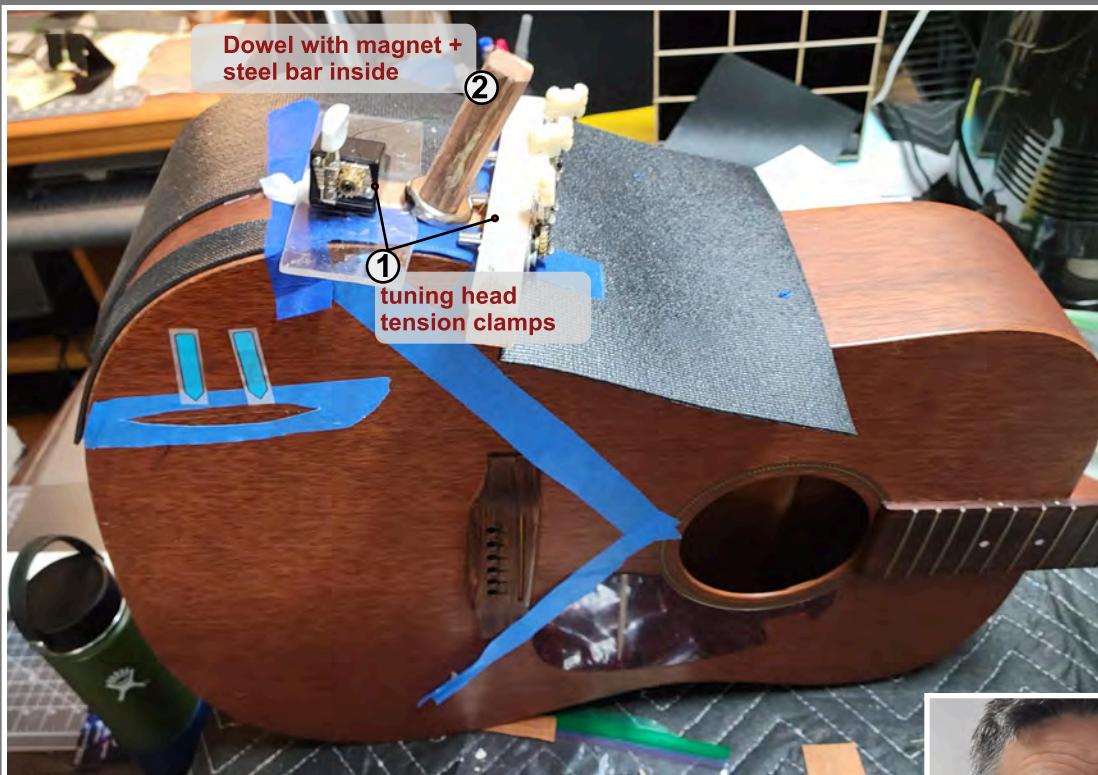
Cracks are structurally supported and visually minimized.

# MARTIN D-15M

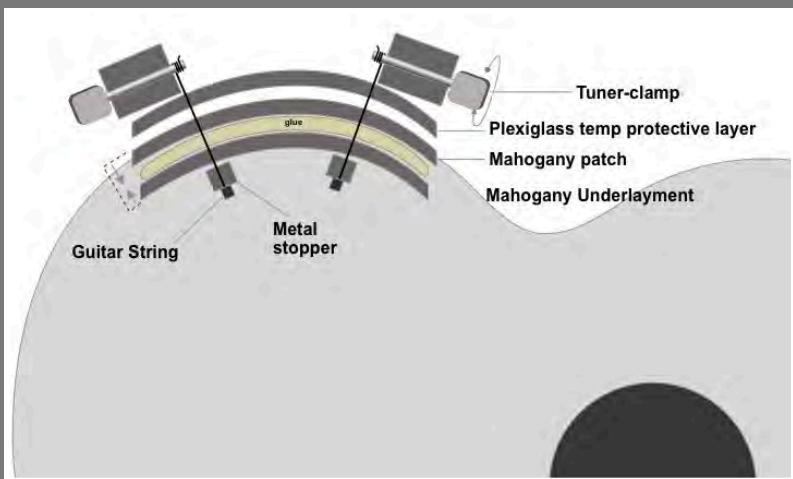
## PUNCTURE DAMAGE EVALUATION

### Description

This guitar arrived with a deep puncture on the bass-side lower bout. The impact removed wood fibers and damaged the finish. I documented the damage, then planned a restoration involving wood reconstruction, sanding, and finish matching.



Clamping Diagram ▼



‘Before’  
Photo >



# MARTIN D-15M

## REBUILD, SANDING, STAINING & FINISH RESTORATION

### Description

Using color-matched mahogany stock, I rebuilt the damaged area with layered fills and careful shaping. Once leveled and sanded, I applied custom-tinted stain and a multi-step finish process to match the original sheen.



Finish Work Started ^

Blending The Patch ▼



### Outcome:

A solid structural repair that blends naturally with the surrounding mahogany grain, giving the guitar many more years of reliable music-making.

# VINTAGE PARLOR ACOUSTIC

## BRIDGE REPLACEMENT & SETUP

This early-20th-century (~1930s) parlor guitar required a hand-carved bridge, new bone nut and saddle, fretboard cleaning, and a full setup. Care was taken to preserve the guitar's historic character while restoring playability.

### Completed Work

- **Hand-Carved Bridge Replacement**
- **Bone Nut And Saddle**
- **Fretboard Cleaning And Hydration**
- **Action And Intonation Setup**
- **Structural Inspection**



# CUSTOM JAZZMASTER BUILD

## ELECTRONICS, HARDWARE, ASSEMBLY & SETUP

This Jazzmaster-style build included pickup installation, a full wiring overhaul, hardware upgrades, shielding, fretboard conditioning, and complete setup. The goal was a low-noise, highly playable instrument tailored to the client.



Completed Guitar



### Highlights

- **Shielded Cavities And Wiring Channels**
- **Premium Pickup Install With Clean Routing**
- **New Bridge, Tremolo Adjustments, And Hardware Fitting**
- **Full Setup: Truss, Action, Intonation, And Trem Calibration**
- **Polished Frets And Conditioned Fretboard**



# LUX LUTHIER LLC

Guitar Repair/Custom Builds in Denver

Book a repair or setup:

[www.luxluthier.com/book](http://www.luxluthier.com/book)

*Thank You For Taking The Time To Review My Work. If Your Guitar Needs Repairs, A Setup, Or You're Considering A Custom Build, I'm Happy To Talk Through Options And Provide Clear Recommendations.*

*For Estimates Or Scheduling, Please Reach Out Anytime—Or Book Directly Through My Website.*

*Denis Sweeney*

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