Final assembly & setup

Goal: locate and glue the bridge and neck accurately, allow full cure, then install hardware and bring the instrument to a comfortable first setup.

Class: 4 hr total | Home: 0 hr | Cure between Parts A and B



Finished pineapple tenor, ready for its first setup.

PART A - GLUE AND LEAVE UNSTRUNG

1. **Locate the bridge from the real neck.** Temporarily fit the neck; measure along both fingerboard edges and use the full-size plan. Include the specified compensation.
2. **Expose clean wood.** Remove masking or carefully scrape the finish inside the bridge footprint. Do not enlarge the footprint beyond the bridge.
3. **Fit and glue the bridge.** Sand its bottom flat on 180-grit paper on a flat surface. Dry clamp, then glue with clean cauls and controlled pressure.
4. **Attach the neck.** Recheck centerline and projection, glue the dowel joint as demonstrated, and attach the fingerboard tongue according to the class sequence.

PART B - AFTER ADHESIVE CURE

1. **Install hardware.** Fit tuners and verify smooth operation before stringing.
2. **Fit nut and saddle.** Work incrementally. With a capo at fret 1, adjust saddle for the 13th-fret target; then remove the capo and finish nut-slot depth.
3. **String, tune, and inspect.** Bring tension up gradually. Check neck, bridge, seams, fret buzz, and intonation.
4. **Complete the record.** Enter setup values, string set, measured resonances if used, and final observations.

STOP & ASK

Before removing finish, before bridge/neck glue, before deepening any nut slot, and before bringing strings to pitch.

OAKTOWN SETUP REFERENCES

Scale length	17 in / 431.8 mm
Plan compensation	.100 in / 2.54 mm
13th-fret action	.100 in / 2.54 mm with capo at fret 1; as low as .085 in / 2.16 mm
1st-fret action	.020 in / .51 mm; may go lower

These are starting references, not a substitute for how the instrument plays.

FINAL BUDDY CHECK

Play every fret on every string. Note buzzes, high action, sharp edges, tuner problems, or seam movement before declaring the build complete.