# Compound Bow Tuning Checklist

Full setup sequence — brace height to cam timing

## 1. BRACE HEIGHT

- [ ] Measure from string to deepest point of grip
- [ ] Compare to manufacturer spec (typically 6.5″–7.5″ for hunting bows)
- [ ] Adjust by twisting/untwisting string (1 twist = ~1/16″ change)
- [ ] Re-measure after every adjustment

## 2. DRAW LENGTH

- [ ] Measure draw at full anchor (AMO: arrow length from string to throat of nock minus 1.75″)
- [ ] Adjust at the module (rotating module bows) or by post position (cable-stop bows)
- [ ] Confirm with shooter — wall feel and back-tension should be solid

## 3. DRAW WEIGHT

- [ ] Use a bow scale at full draw
- [ ] Adjust via limb bolts (max 4–5 full turns out from bottom)
- [ ] Turn both bolts equally to maintain tiller

## 4. TILLER

- [ ] Measure perpendicular distance from string to limb pocket at top and bottom
- [ ] Equal tiller = neutral starting point; small positive tiller (top > bottom by 1/16″) favors finger or thumb release
- [ ] Adjust by turning limb bolts asymmetrically; re-measure draw weight after

## 5. ARROW REST

- [ ] Set center-shot: arrow tip aligned with bowstring viewed from behind
- [ ] Set rest elevation: arrow horizontal at full draw
- [ ] Lock down all rest hardware before further tuning

## 6. NOCKING POINT

- [ ] Place nocking point so arrow sits perpendicular to string at full draw
- [ ] Start ~1/8″ above 90° to compensate for finger/release downward pressure
- [ ] Refine via paper-tune tear (see Paper Tuning Checklist)

## 7. PAPER TUNE

- [ ] Stand 4–6 feet from paper frame
- [ ] Read tear; adjust rest horizontally, nock vertically
- [ ] Iterate until clean hole or tear ≤ 1/2″

## 8. WALK-BACK TUNE

- [ ] Shoot vertical line at 5, 10, 20, 30+ yards
- [ ] Horizontal drift across distances = rest needs fine adjustment
- [ ] Move rest 1/64″ per iteration; re-shoot all distances

## 9. CAM TIMING (COMPOUND ONLY)

- [ ] Check top + bottom cams hit draw stops simultaneously at full draw
- [ ] Use draw board or two-person observation
- [ ] Adjust by twisting buss or control cable in bow press; out-of-time cams = inconsistent nock travel