

# 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 =  $\sim 1/16$ " 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  $\sim 1/8$ " above  $90^\circ$  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  $\leq 1/2"$

## 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

