

Factors in a Telecaster (and?) That Affect the Tone

Ted Greene, 1977-03-05

All these factors except for #4, #8, #10, to a lesser extent #3, influence sustain in a marked manner. Number 4 can stop sustain if too close with certain types, of course.

- 1) Wood of Body.
 1. Type: a) Ash, b) others
 2. Weight (mass) (and density?)
 3. Resonance due to hollowness or ?
- 2) Wood of Neck
 1. Type: a) all Maple, b) Maple/Rosewood
 2. Mass (density)
- 3) Frets
 1. Height
 2. Crowned (rounded) or not
 3. Size (width)
- 4) Pickups
 1. Type
 2. Placement
- 5) String gauge and type
- 6) Down-bearing (String Angles) affected by:

Angle of neck	Tailpiece type
Bridge heights	Nut
Placement of tuner holes	Added doodads to "hold down" strings
Mass of tailpiece?	
- 7) Bridge tailpiece and nut
 1. Material
 2. Groove coupling
 3. Weight
- 8) Pickguard
 1. Material
 2. Breathability
- 9) Weight of tuners
- 10) "Breathing Room": how close strings are to the pickguard
- 11) "Coupling" of everything.

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Factors in a Telecaster (and?) that affect the ~~tone~~ ^{TONE}

All these factors ^{CAN STOP} ^{SUST.} ^{IF TOO} except for 4, 8, 10 to a lesser extent ^{CAN} ^{W/} ^{CERTAIN} ^{TYPES} ^{OF} ^{WOODS} influence. ^{W/} ^{CERTAIN} ^{TYPES} ^{OF} ^{WOODS} sustain in a marked manner.

- ① Wood of Body
 - 1) TYPE — ① ASH ② OTHERS
 - 2) WEIGHT (+ density?) (MASS)
 - 3) RESONANCE DUE TO ~~thickness~~ ^{thickness} OR?

- ② Wood of Neck
 - 1) TYPE - ① all Maple ② MAPLE/ROSEWOOD
 - 2) MASS (DENSITY)

- ③ Frets
 - 1) HEIGHT
 - 2) CROWNED (rounded) or not
 - 3) SIZE (WIDTH)

- ④ PICKUPS
 - 1) TYPE
 - 2) PLACEMENT

- ⑤ STRING GAUGE + TYPE

- ⑥ ^{DOWN-BEARING} (STRING ANGLES) ~~STRING TENSION~~ affected by ^{TAILPIECE TYPE,} ^{PLACEMENT OF} ^{BRIDGE,} ^{NUT,} ^{TUNER HOLES,} ^{ADDED DEBADS TO "HOLD DOWN" STRINGS} ^{HEIGHTS,} ^{MASS OF TAILPIECE?}

- ⑦ ~~MATERIAL~~ ^{TAILPIECE} BRIDGE ^{AT NUT}
 - 1) MATERIAL
 - 2) GROOVE COUPLING
 - 3) WEIGHT

- ⑧ PICKGUARD
 - 1) MATERIAL
 - 2) BREATHABILITY

- ⑨ Weight of Tuners

- ⑩ "BREATHING ROOM": How close strings are to the PICKGUARD

- ⑪ 'Coupling' of everything

~~② ANGLE OF NECK +~~