

## SPECS

- Action:
  - Treble: 0.055-0.065"
  - Bass: 0.080-0.090"
- Strings:
  - Martin Authentic Acoustic Lifespan® 2.0
  - MA535T Custom Light (0.011")
  - MA540T Light (0.012")

## TOOLS

- Torque wrench: 25 inch-lbs of torque
- Allen key: 4mm
  - #G13PT0066, "Dovetail Key" (only available through Martin)
- Action measurement tool
- Relief gauge
- Truss Rod: 4mm

## PARTS

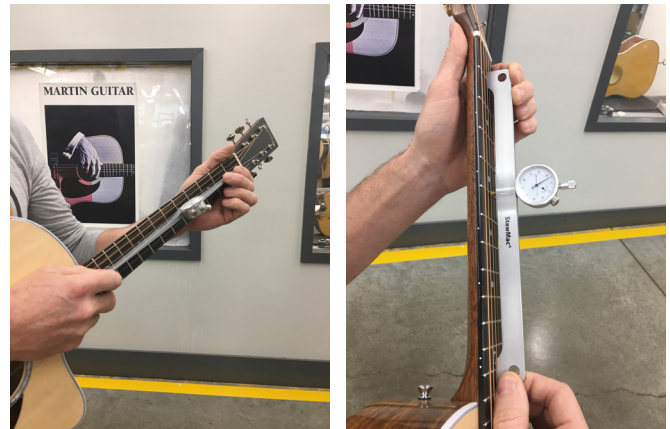
- Plates: 0.006" height increments
- Each plate increment will change the action at 12th fret by approx. 1/64" (0.015")

Item	Description
G13PT0071	PT,SC,Shim,Size 0
G13PT0074	PT,SC,Shim,Size 006
G13PT0075	PT,SC,Shim,Size 012
G13PT0076	PT,SC,Shim,Size 018
G13PT0077	PT,SC,Shim,Size 024
G13PT0078	PT,SC,Shim,Size 030

## TUNE GUITAR TO PITCH BEFORE TAKING MEASUREMENTS.

### Neck Relief – Measured with the Stew-Mac Neck Relief Gauge

- Gauge is placed on the first and 12th frets and measurement is taken at the 5th fret.
- Measurement is taken in the player position.
- Desirable neck relief is -.003" to -.005".
- A 4mm Allen wrench is required to make adjustments to the truss rod.



### Saddle Protrusion – Measured in center of the saddle with a caliper.

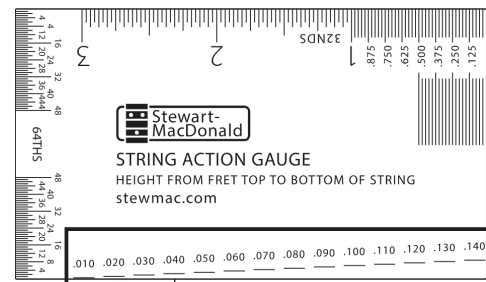
- Saddle height range is .140" to .200".

### Action – Measured with the Stew-Mac String Action Gauge

- Measure distance between the top of fret and bottom of string.
  - When the mark aligns with the bottom of the string, that measurement is the string height.

12th Fret Bass: .090" maximum

12th Fret Treble: .065" maximum



Example showing string action height of .090" at the 12th fret.

Once all the above criterias are met and an adjustment is required on the action, a plate change may be necessary.

**To Adjust Action:**

*\* NOTE: It may be necessary to tilt the neck backward slightly to accommodate the new plate*

Lower Action = Higher Adjustment Plate  
 Raise Action = Smaller Adjustment Plate

Plate Height	Measurement
ZERO	.128"
.006"	.134"
.012"	.140"
.018"	.146"
.024"	.152"
.030"	.158"



1. Loosen the strings and the two neck bolts. Neck bolts are set to 25" lbs. and are tightened with a torque screwdriver and a 4mm Allen wrench adapter. It is not necessary to remove the neck completely from the body.
2. Remove the plate by lightly pinching the ends.
3. Choose the appropriate plate height (to raise or lower action) and insert until it is securely in place. The CFM logo should be facing up.
4. Ensure neck is in the proper place, seated against the intonation set screw, and re-tighten the two clamping bolts to 25 inch-lb of torque. Tighten the lower clamping bolt first (accessible through the middle of the decorative grommet on the back), then the upper bolt (the head of which is exposed and visible in the block of the instrument)

**Intonation Adjustment**

*To make adjustments:*

1. Detune the guitar approximately 2 full steps
2. Break loose the neck dovetail bolts by half a turn
3. Make adjustment by accessing the intonation setscrew through the sound hole. Turning the setscrew clockwise will cause the guitar to play flat, turning it counterclockwise the guitar will play sharp. Note that one full rotation of the set screw will impact intonation by 2-3 cents
4. Ensure neck is fully seated
5. Tighten the dovetail clamping bolts to 25" lbs.
6. Tune to pitch and recheck intonation on strobe tuner