

**PARKER GUITARS
NITEFLY HANDBOOK**



Parker
GUITARS®

Dear Fellow Guitar Enthusiast:

Larry Fishman and I formed Parker Guitars in 1991. It continues to be a rewarding project and a great education for us. We're thrilled that you have chosen to make your music with our creation!

Guitar players of every style in more than 20 nations are choosing the Fly Guitar, and some have suggested that the Fly is taking its rightful place alongside other ground breaking and enduringly great designs of yesteryear. Thanks to your support, our little duet of inventors has grown to a sturdy group of craftspeople collaborating to make the most useful and highest quality instrument available.

Feedback from you guitarists influenced us to design a "bolt-on" sibling to the Fly. Your comments, suggestions and criticism helped to shape the NiteFly. We chose the pickguard format to simplify changes in the pickups. The neck shape is thicker; with "firmer cheeks". The frets are taller and wider. The body, similar in outline and contouring, bears a distant resemblance to other members of the Fly family.

Your input will continue to inspire us as we develop new instruments with new capabilities for years to come. Meanwhile, we expect you'll enjoy many years of faithful service from your NiteFly.

Thanks for your support. Play from the heart!

Ken Parker

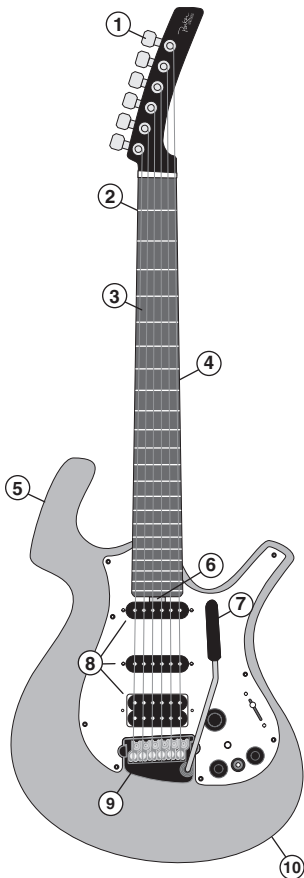
A handwritten signature in black ink that reads "Ken Parker". The signature is fluid and cursive, with the first name "Ken" being more prominent and the last name "Parker" following in a similar style.

SPECIFICATIONS

Body	NFV-SA: Ash NFV-M: Mahogany
Neck	Mahogany
Fingerboard	??
Neck Radius	Compound Radius (10" to 13")
Scale length	25 ½"
Frets	22 medium jumbo hardened stainless steel
Tuning Machines	Locking Sperzel®
Bridge	Custom Parker cast aluminum bridge featuring Fishman® piezo pickups
Magnetic Pickups	Custom DiMarzio® magnetic pickups NFV-SA: One Humbucker and two single-coil NFV-M: Two Humbuckers
Magnetic Controls	NFV-SA: Magnetic Pickup Volume, Tone, and 5-way Pickup Selector NFV-M: Magnetic Pickup Volume, Tone, and 3-way Pickup Selector
Piezo System	Fishman® active preamp/mixer
Piezo Controls	Piezo Volume, 3-way Magnetic/Piezo Selector Switch Sperzel® locking

Specifications subject to change without notice.

FEATURES



1. Sperzel® locking tuning machines

2. Hardened stainless steel frets

3. Composite fingerboard

4. One piece solid wood neck
encapsulated in glass and carbon
fibers

5. Solid hardwood body

6. Easy-Access truss rod adjuster

7. 3/16" stainless steel vibrato bar

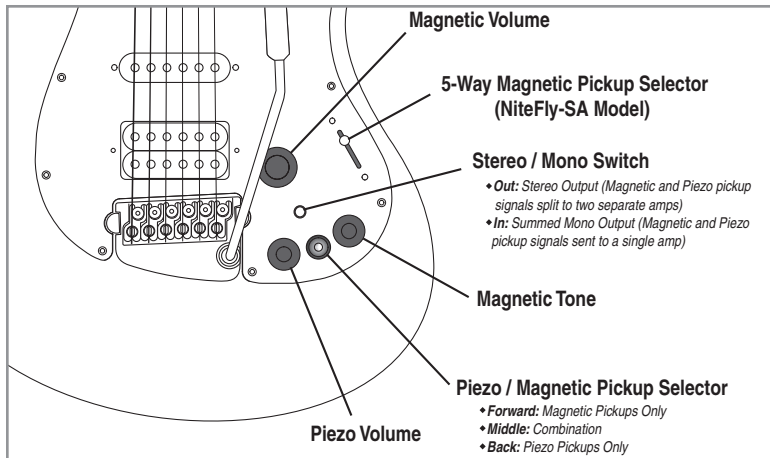
8. Custom DiMarzio® magnetic
pickups

9. Cast aluminum bridge with
stainless steel bridge saddles and
Fishman® piezo pickups

10. Stereo output jack

CONTROLS

Along with the familiar Volume, Tone, and Magnetic Pickup selector found on most electric guitars, there are also controls for Piezo Volume, Magnetic / Piezo Pickup Selector and a Stereo / Mono Switch.



STEREO / MONO SWITCH

The NiteFly features a special Fishman® active circuit allowing you to blend the magnetic and piezo pickup signals right on the guitar. The pickguard mounted Stereo / Mono Switch makes it possible to mix (sum) the piezo and magnetic pickup signals and play both sounds through a single amp, or split them to two separate amps or mixers.

1. MONO With the stereo / mono switch in the IN position, the guitar's two signals are mixed. In this mode, simply use a standard guitar cable and a standard guitar amplifier. Thanks to the NiteFly's active circuit, in the mono mode, the "Both" position offers some unique sounds!

2. STEREO With the stereo / mono switch in the OUT position, the guitar's output is stereo. The special cable (stereo "Y") provided with the guitar allows you to send the two signals to two separate amplifiers. The full sonic potential of the piezo pickup can be achieved by a high fidelity-

ty, full-range amplification system such as a PA, an acoustic guitar amp, or keyboard amp.

- If a mono cable is used and the stereo / mono switch is in the OUT / STEREO position, only the magnetic pickup sound will be heard.
- If the stereo to "Y" mono cable is used with the Stereo / Mono switch set in the IN / MONO position, both the magnetic and piezo outputs will be heard through one amp and only the piezos through the other.

BATTERY

Because the two kinds of pickups have "irreconcilable impedance differences", their outputs cannot be mixed without the help of an electrically powered (active) circuit. The 9 Volt battery that powers the Fishman® piezo preamp has a life of approximately 200 hours. The circuit switches on when a cable is plugged into the guitar, so to conserve batteries, unplug the cable when you're not playing your NiteFly.

NOTE: To replace the battery, release the catch and swing open the doors. The flip-out holder will not close if the battery is installed incorrectly. Please be gentle!!!

DEAD BATTERY BLUES

Not on the NiteFly!! If your battery is weak, dead, or missing, you can still use the magnetic pickups! Just switch to stereo mode, and switch the Magnetic / Both / Piezo selector switch to Magnetic and PLAY the blues!

PIEZO BALANCE TRIM POT

Your guitar is equipped with a Piezo Balance Trim Pot. We set this control at the factory so that the full volume outputs of the piezo and magnetic systems are equal. Since string gauges and pickup height affect the output of the magnetic pickups, you may want to change the relative levels of the two systems by adjusting the piezo output.

To do this, remove the three pickguard screws nearest the controls. Carefully lift the pickguard and adjust the small white control located on the Stereo / Mono switch circuit board with a small screwdriver. This "trim pot" adjusts the output of the piezo pickup.

PIEZO FREQUENCY RESPONSE

Piezo pickups have a far greater treble response than magnetic pickups. Some amps have no trouble with the additional high frequency output, but others may distort. If this happens, either lower the piezo volume at the guitar amp, or try lowering the treble control of the amp.

GROUND LOOPS

Sometimes when using two amps, there may be a loud hum when the guitar is plugged into the second amp. This hum is caused by a ground loop. This ground loop isn't the fault of the guitar (or the amps for that matter), but rather the result of essential electrical safety code requirements. Ground loops can occur whenever two pieces of electronic equipment are connected.

NOTE: Do Not Disconnect Or Otherwise Attempt To Defeat Ground Connections On Your Electrical Equipment !!

There is ONLY ONE safe way to rid yourself of ground loops: Use a Direct Box with a ground lift to isolate the two amps. Plug the magnetic end of the stereo "Y" cable into one amp and the piezo end into the Direct Box. Plug the Direct Box's output into a balanced input on the second amp.

ADJUSTING YOUR PARKER GUITAR

If you're unfamiliar with adjusting instruments, we suggest that you take your NiteFly to a qualified guitar technician. He or she can help demonstrate these adjustments and you can decide which ones you might prefer to have made professionally.

VIBRATO ADJUSTMENT

Start from HOME

When the bridge is adjusted parallel to the top of the guitar (see illustration 1) and the guitar is in tune, the bridge is in the HOME position.

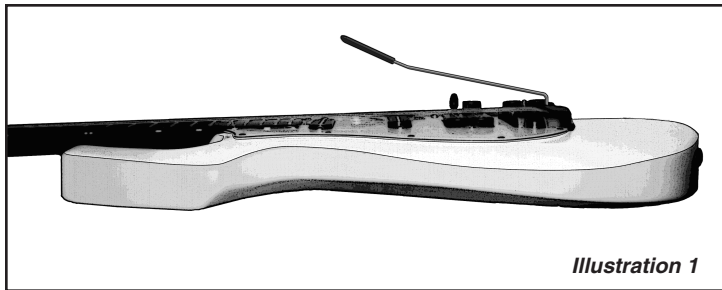


Illustration 1

NiteFly Guitars are set up at the Parker Guitar Factory with D'Addario® .009" - .042" strings. Three coil springs balance the tension of the strings. When you change string gauges or use alternate tunings, you alter the string tension. This changes the attitude of the bridge, and therefore you will need to re-adjust the bridge to the HOME position. To do this, remove the back cover, and with the guitar tuned to pitch, tighten or loosen the two Phillips head "CLAW" screws (illustration) to reset the bridge parallel to the top of the guitar.

The NiteFly Vibrato is a high quality, stable system that can be operated in three modes:

1. Balanced - In this mode the bridge can bend up and down ("free floating"). The Stop Screw must be adjusted (lowered) so that it won't prevent the bridge from bending up. The HOME position of the bridge is set by adjusting the Claw Screws (balancing the tension of the coil springs).

2. Bend Down - The NiteFly comes set up from the Parker Guitar factory in Bend Down mode. In this mode the bridge can only band down and returns HOME to rest lightly against the Stop Screw. The springs must be tensioned slightly more than in the Balanced mode so that the bridge at HOME is held against the Stop Screw. Unlike the Balanced mode, you can rest your hand on the bridge without throwing it out of tune.

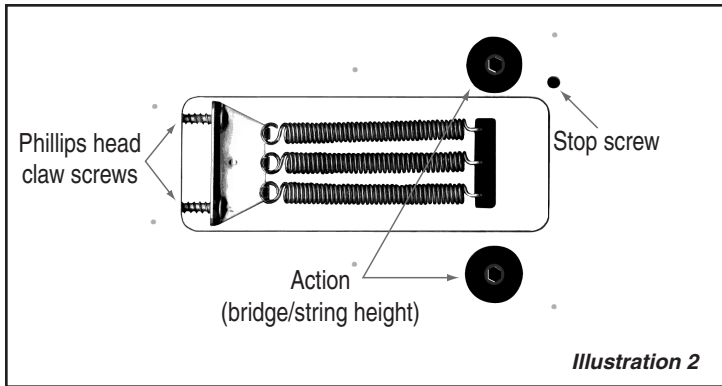
3. Fixed - This mode is similar to Bend Down mode. HOME position is also setup by contact with the Stop Screw. Additional spring force is applied against the stop by tightening the Claw Screws. The bridge will still bend down, but with a stiffer feel. In this mode you can bend a string while other strings are sounded and not change their pitch. Like the Band Down mode, resting your hand on the bridge will not throw it out of tune.

No matter which mode you prefer to use, it's quickest to tune, set intonation, and adjust the action of your NiteFly in the Fixed mode.

STOP SCREW

Using the larger T-handle Allen wrench supplied with your guitar, the Stop Screw (see illustration 2) can be adjusted to limit or stop the bridge from bending up to any desired place.

NOTE: When you raise or lower the Action you should also raise or lower the Stop Screw by the same amount (unless the Stop Screw has already been fully lowered for the Balanced mode).



ACTION

Action (bridge / string height) is adjusted by two screws from the back of the guitar (illustration). Using the larger T-handle Allen wrench, turn the screws clockwise to lower the bridge, and counterclockwise to raise it. Also, it's good practice to alternate between the two screws, taking no more than $\frac{1}{4}$ turn at a time.

TRUSS ROD ADJUSTMENT

If you're unfamiliar with adjusting a truss rod, we **STRONGLY** suggest that you have this adjustment made by a qualified guitar technician.

The truss rod adjuster wheel is easily accessible. To adjust the truss rod, use the $\frac{1}{8}$ " steel rod supplied with your guitar. Rotate the wheel towards the high E string to tighten the truss rod and towards the low E string to loosen it.

INTONATION

To set the intonation (string length), loosen the screws that hold the bridge saddles using the smaller T-handle Allen wrench supplied with the guitar. If a string plays sharp, slide the saddle back to make the string longer. If it plays flat, slide it forward. Do not over-tighten the saddle-screws. The Piezo-electric elements in the bridge are delicate, so be careful. The eraser end of a pencil is a safe tool for sliding the saddles. No hitting!!! (Be nice.)

TUNING MACHINES

>>>>(need description of use) We proudly use Sperzel® tuners - designed and manufactured in the USA - because they combine excellent quality and design, the best string locking system, and minimum weight. Sperzel's® patented string clamp eliminates the need for tying and multiple string wraps, greatly improving tuning stability.

FRETS

Our patented fret and fingerboard consists of hardened stainless steel frets bonded to a glass and carbon fiber fret-board. Not only will these unique frets outlast ordinary soft nickel frets, but due to our totally super-accurate manufacturing processes, they all have the correct "half-round" shape.

The frets may only be serviced at the Parker Guitar Factory or by a Parker Authorized Repair Facility. Fret service performed otherwise will void warranty.

LIMITED WARRANTY

There is a 1-year limited warranty beginning on the date of first customer purchase on all unmodified and properly cared for Parker Guitars.

Any Parker Guitar found to be defective within the 1-year warranty period set forth above will be repaired or replaced at the option of Parker Guitars provided the guitar is promptly delivered (freight and insurance prepaid) directly to Parker Guitars for service.

Please contact Parker's Product Support office at (978) 988-0102 for information, return authorization, and a Parker Work Order Number. Please visit the Parker Guitars website at www.parkerguitars.com for more detailed warranty information.

WARRANT REPAIRS OUTSIDE THE U.S.

For warranty repairs outside the U.S. please contact either the dealer from whom you purchased the guitar, or the Authorized Parker Distributor in your country for information and assistance.



NOTHING PLAYS LIKE A PARKER



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