

YAMAHA ELECTRIC GUITAR

MSG SERIES

(MSG SERIES FOR UK)

IMAGE CUSTOM

(MSG CUSTOM)

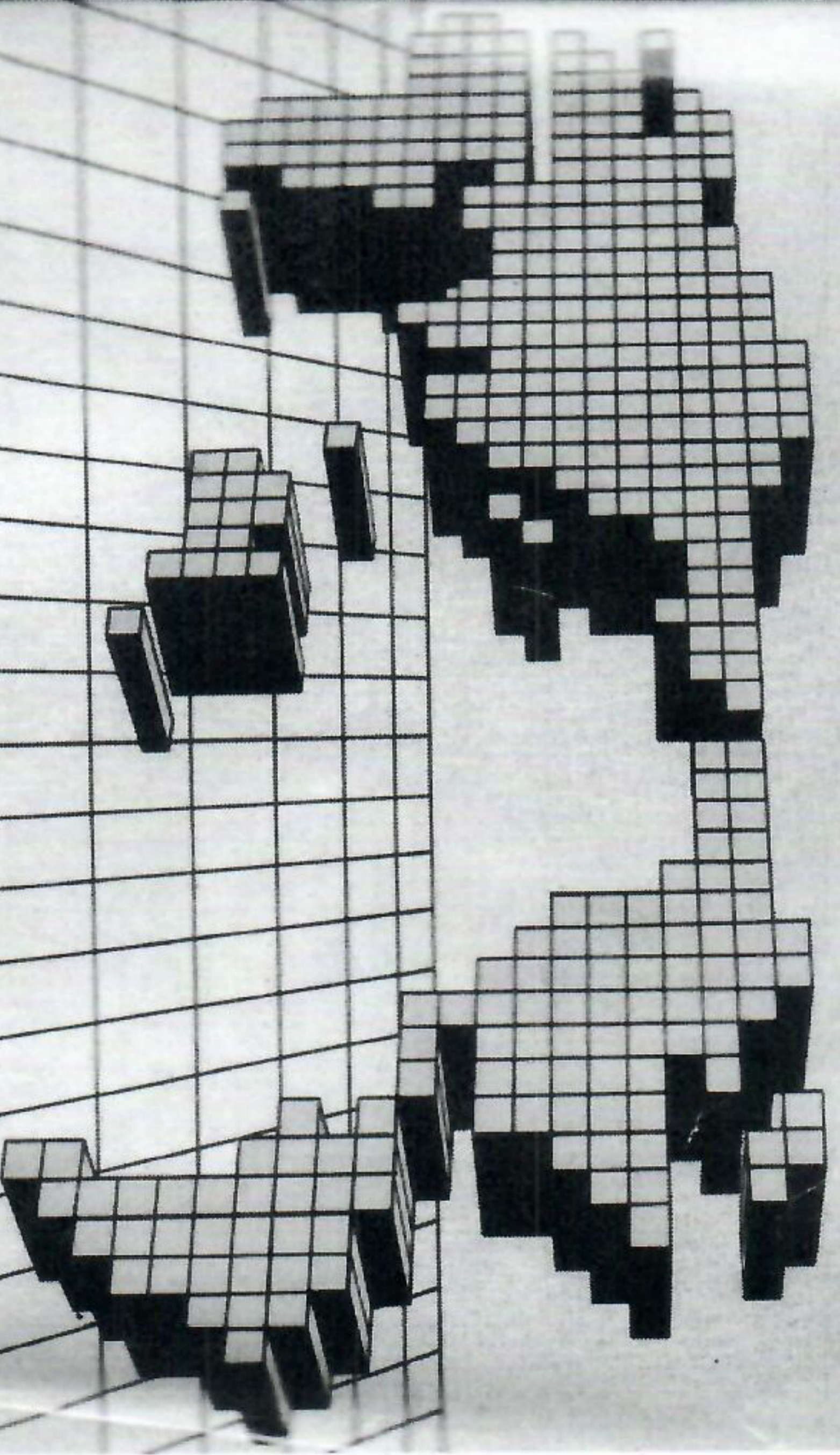
IMAGE DELUXE

(MSG DELUXE)

IMAGE STANDARD

(MSG STANDARD)

YAMAHA



OWNER'S MANUAL

YAMAHA CORPORATION
P.O.Box 1, Hamamatsu, Japan
Printed in TAIWAN

EGM8902

Congratulations on your purchase of the YAMAHA IMAGE Series (MSG Series for UK) electric guitar, an instrument blending over one hundred years of traditional craftsmanship, the latest in sophisticated design and production techniques, and YAMAHA's widely lauded quality control standards. With reasonable care, your YAMAHA IMAGE Series (MSG Series for UK) guitar will age gracefully and provide many years of superlative musical service.

Note

YAMAHA IMAGE Series electric guitars are marketed in the United Kingdom under the name "MSG Series."

Outside UK	For UK
IMAGE CUSTOM	MSG CUSTOM
IMAGE DELUXE	MSG DELUXE
IMAGE STANDARD	MSG STANDARD

Model names for the UK and other countries correspond as shown in the above table.

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YAMAHA ORIGINAL DESIGN VIBRATO
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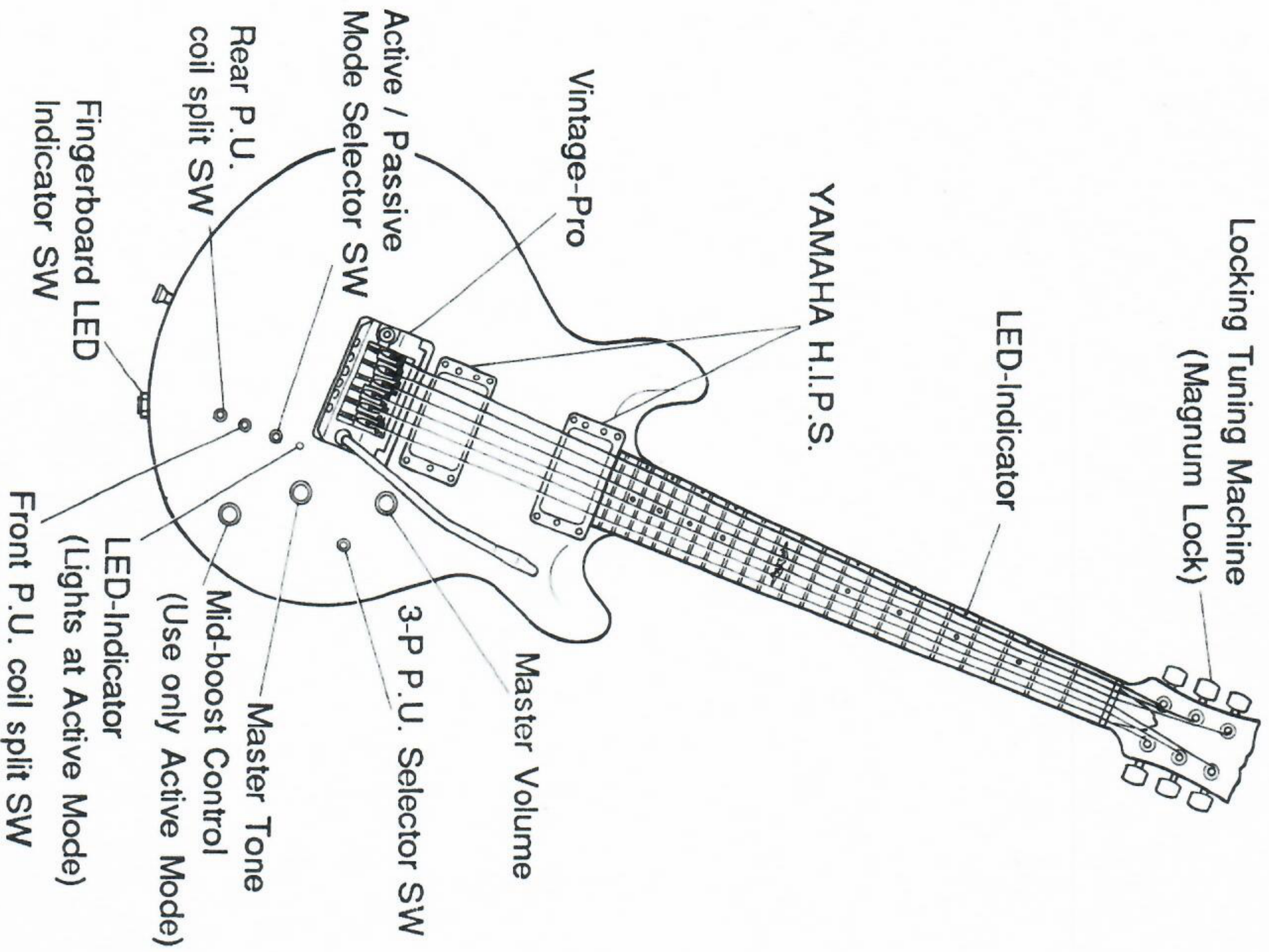
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IMAGE CUSTOM (MSG CUSTOM)

FEATURES



MODEL	IMAGE CUSTOM (MSG CUSTOM)
BODY	Curly Maple / Mahogany
Wood	Mahogany
Scale	25" (635mm)
Type	Set-in-Body
Wood	Bound Ebony
Inlay	Dot (12F Special Inlay) with LED Indicator
# of Frets	22 (Jumbo Type)
Width of Finger-board	
0 Fret	1-11/16" (43mm)
Final Fret	2-1/4" (57mm)
Fingerboard Radius	R350(mm)
Fret Dimensions	
Width	2/17" (2.9mm)
Height	1/20" (1.3mm)
Quantity	1
Type	H.I.P.S. (Hybrid Integrated Pickup System)
Wire Gauge	AWG #43 (0.056mm)
# of Turns	6000T x2
D.C. Resistance	—
BRIDGE	Vintage-Pro
Tuning Machine	Locking Tuning Machine

IMAGE DELUXE (MSG DELUXE)

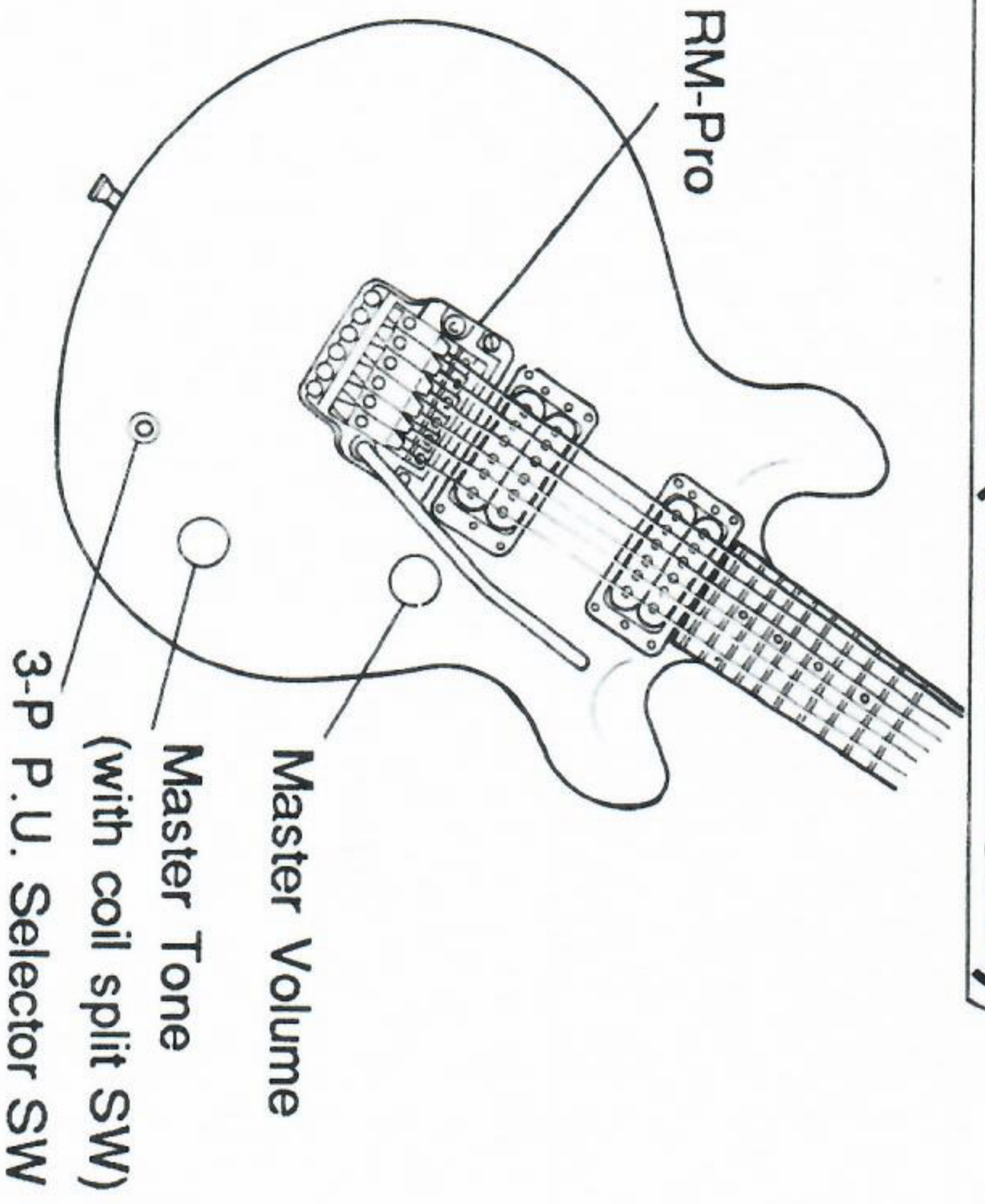
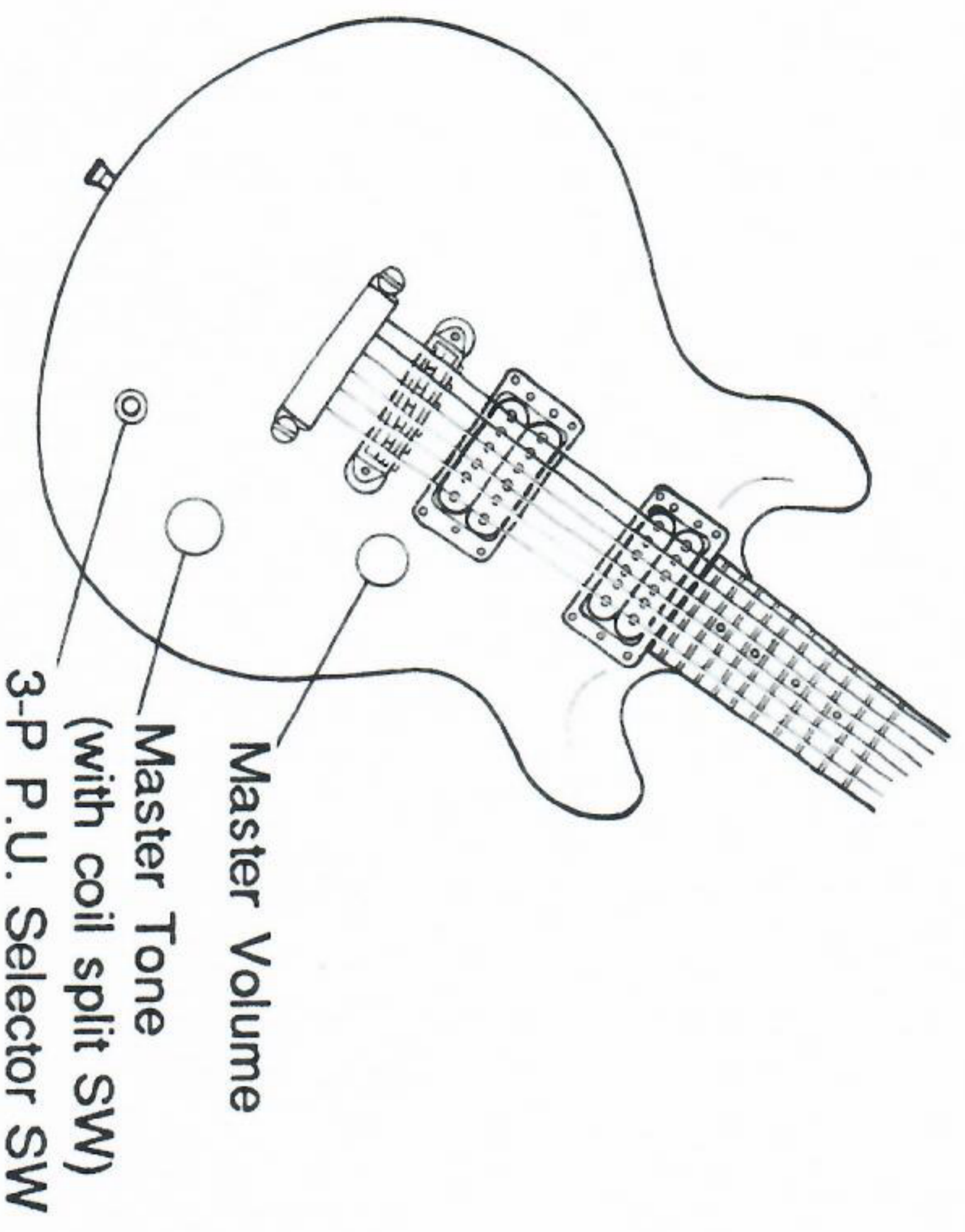


IMAGE STANDARD (MSG STANDARD)



3

FEATURES

MODEL		IMAGE DELUXE (MSG DELUXE)	IMAGE STANDARD (MSG STANDARD)
BODY		Curly Maple / Mahogany	
WOOD		Mahogany	
SCALE		25" (635mm)	
NECK TYPE		Set-in-Body	
WOOD		Bound Ebony	Bound Rosewood
INLAY		Dot	
# of Frets		22 (Jumbo Type)	22
FINGER BOARD		1-11/16" (43mm) 2-1/4" (57mm)	
FINGERBOARD RADIUS		R350(mm)	
FRET DIMENSIONS		2/17" (2.9mm) 1/20" (1.3mm)	2/19" (2.7mm) 1/25" (1.0mm)
QUANTITY		2	
PICKUPS		LIVE GH-1 (Alnico V)	
WIRE GAUGE		0.06mm	
# of Turns		5500T x2	
D.C. Resistance		9.1kΩ	
BRIDGE		RM-Pro	Tune-O-Matic
NUT		Adjustable Lock Nut	Urea

4

We recommend an extra light string set (0.009 - 0.042) for the IMAGE series.

String	Extra Light
1	0.009"
2	0.011"
3	0.016"
4	0.024"
5	0.032"
6	0.042"

Naturally, individual preferences may vary, and different string gauges can be used, and even mixed to match the players taste and purpose.

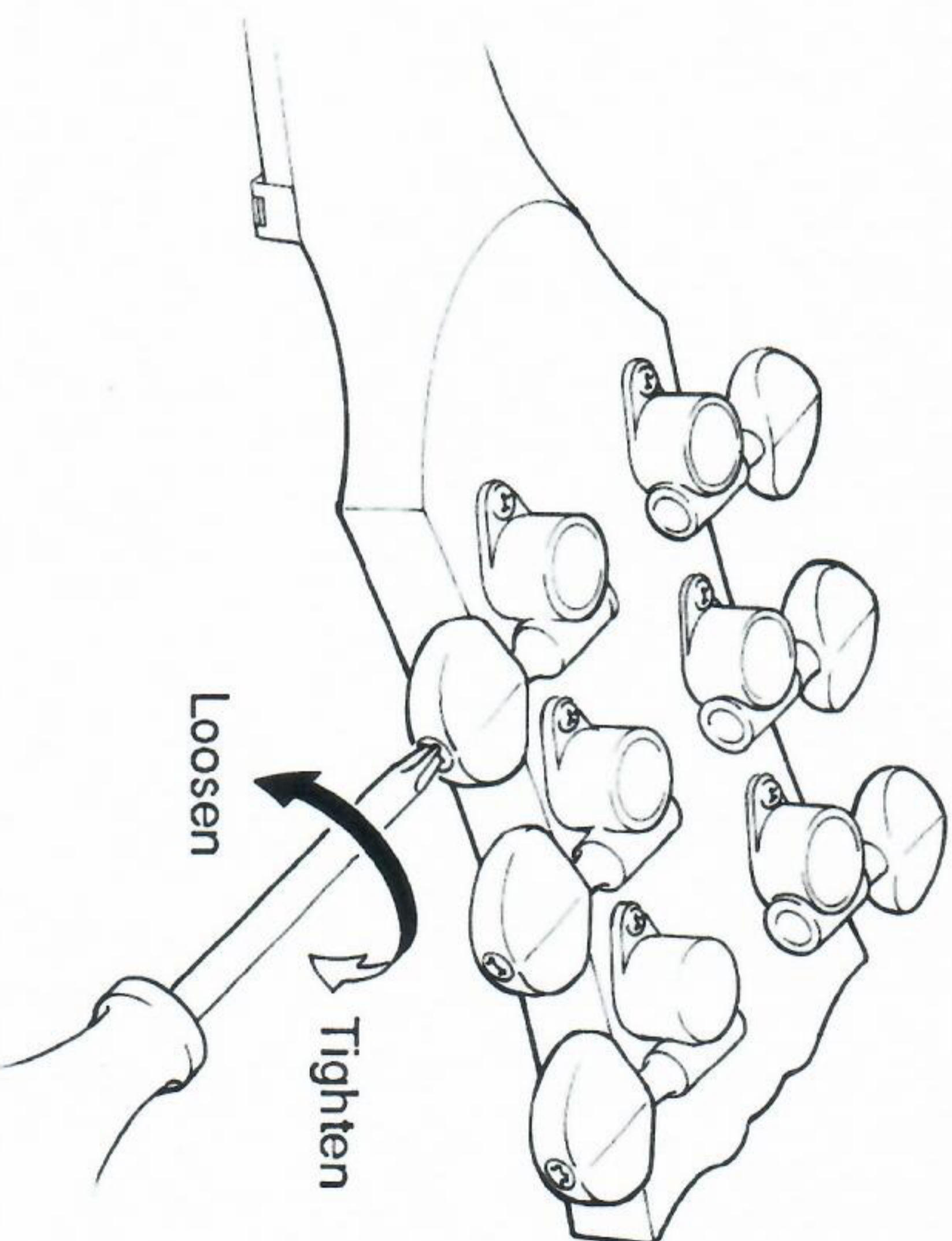
TOOLS REQUIRED FOR ADJUSTMENT MAINTENANCE

- Capo (not included)
- Automotive mm feeler gauge (not included)
- 15 cm rule calibrated in 1 - 10 mm (not included)
- Screwdrivers (included)
- Hexagonal truss rod wrench (included)

Note: Automotive feeler gauge and 15 cm rule can be found at hardware and automotive stores.

TUNING MACHINE TENSION ADJUSTMENT

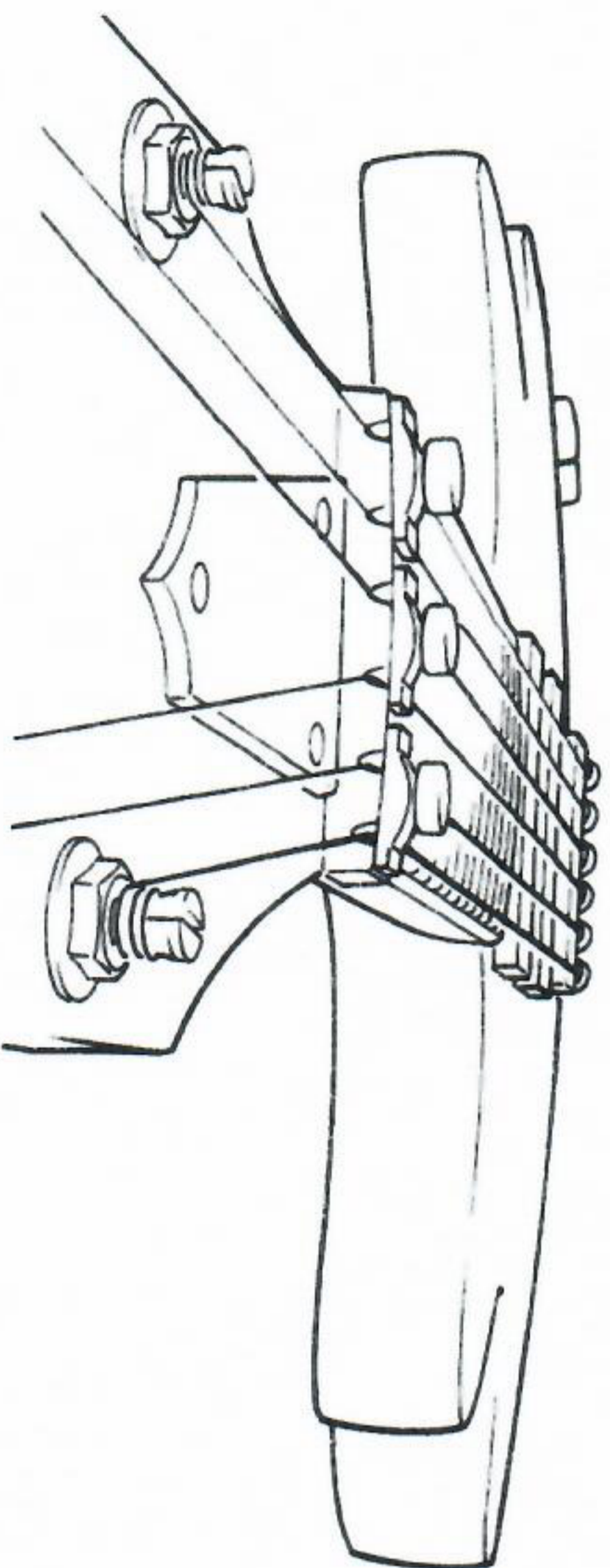
The tuning machines have spring-loaded mechanisms which automatically take up wear, preventing backlash. However, it is possible to adjust the amount of pressure required to turn the machines. Each machine has a tension adjustment screw, as illustrated.



Clockwise screw rotation tightens the machine. The tuning machines should be adjusted to the extent that they are firm, but can turn smoothly. This adjustment is normally unnecessary, and excessive tightening can lead to premature tuning machine wear.

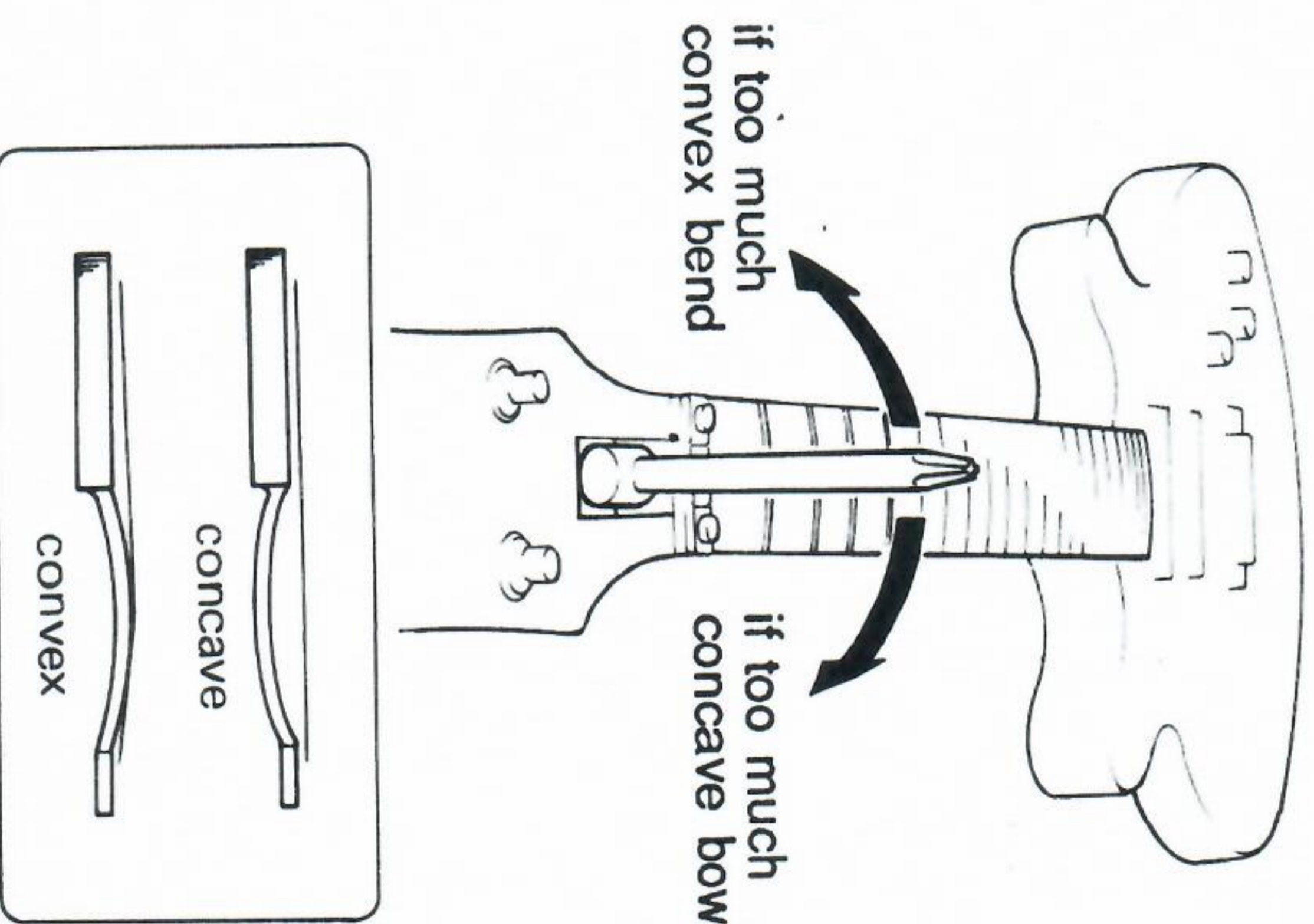
TRUSS ROD ADJUSTMENT

The curvature of the neck should be slightly concave. The practice of sighting down the neck to see whether there is a bow or bend is unreliable, and even experienced guitar technicians can be misled by optical illusions. A better method to check for proper curvature is as follows:



- 1) To check the extent of warp, press a string down simultaneously at the first fret and at the 16th fret. The extent of warp is the space between that string and the top of the fret lying half way between the two fretted points. (To free on hand for this method, you might use a capo at the first fret.)
- 2) There should be approximately 0.002" to 0.008" (0.05 to 0.20 mm) space between the bottom of the string and the top of the fret. This can be checked by slipping an automotive feeler gauge under the string.
- 3) If the spacing indicates that the curvature is not correct, remove the truss rod cover with the screwdriver end of the tool provided with the guitar. Then adjust the truss

rod nut with the hexagonal wrench. Clockwise rotation of the nut tightens the rod and corrects for too much concave bow. Counterclockwise rotation of the nut loosens the rod and corrects for too much convex bend. Make any adjustments gradually. Allow five to ten minutes for setting, and check the curvature after each 1/2 turn of the truss rod nut.



Note: UNLESS YOU HAVE EXPERIENCE WITH TRUSS RODS, WE SUGGEST THAT YOU ENTRUST THIS ADJUSTMENT TO YOUR DEALER.

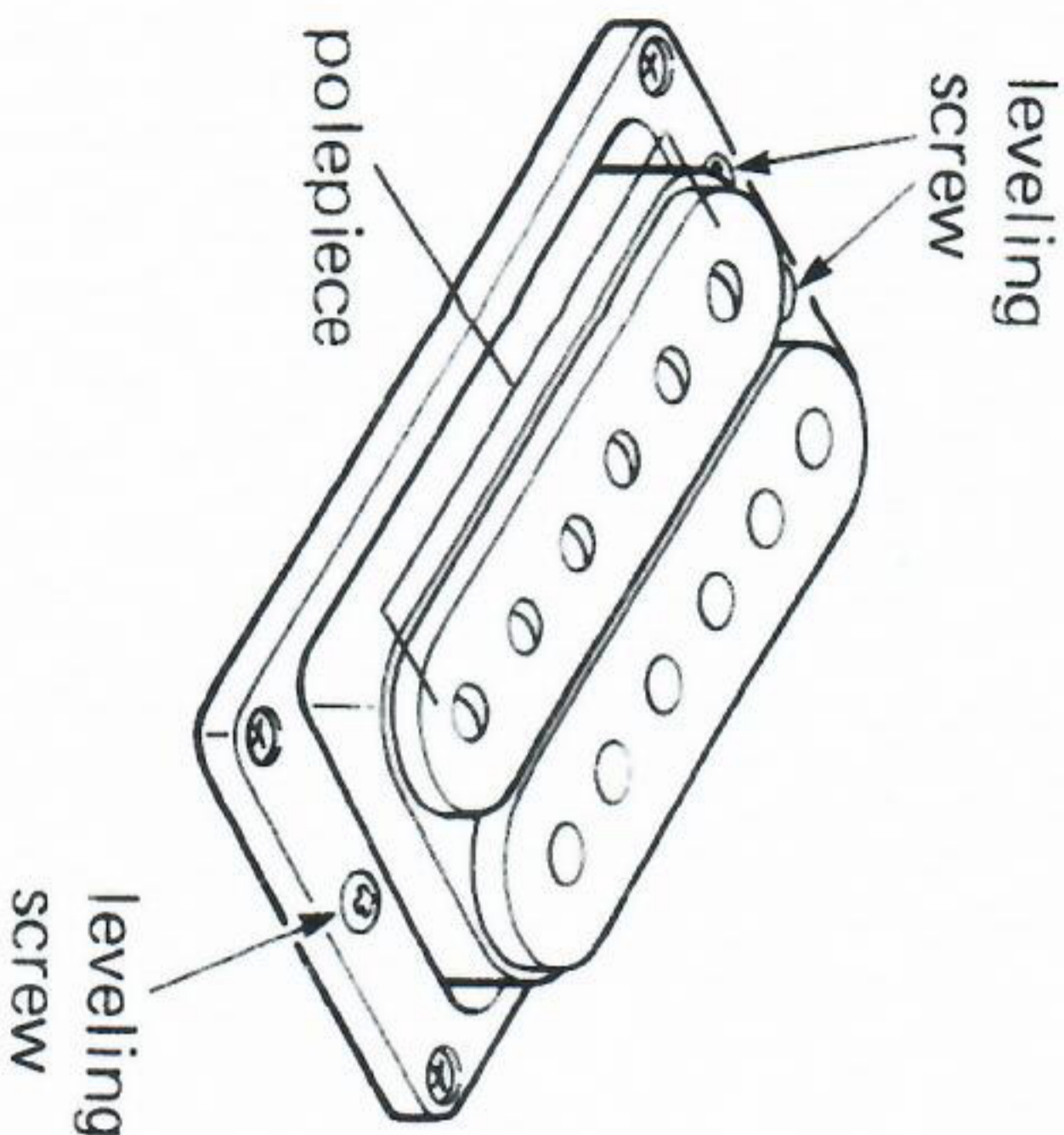
PICKUP HEIGHT

Pickup Height:

Pickup height from polepiece to string should be set to 2.5 ± 1 mm.

Pickup Adjustment (IMAGE DELUXE, IMAGE STANDARD)

Proper pickup adjustment ensures maximum output level and uniform response on all strings. To make adjustments, follow the directions below:



- 1) The overall height of the entire pickup can be raised or lowered by turning the leveling screws appropriately with a Phillips type screwdriver. Normally, even output and response will require the pickup to lay equidistant beneath each string.

- 2) On humbucking pickups it is also possible to "fine tune" the individual polepieces to insure uniform electrical output from all strings. This will be especially true if normal conditions, as outlined above, do not hold, due for example to player preferences. In this case, it would be wise to make the adjustments while listening to the guitar through an amplifier.

- 3) Play each string in succession, and listen to the volume, using your screwdriver to adjust the polepieces. The volume should be about the same for each string. If a string is relatively too loud, lower its polepiece. If it's not loud enough, raise its polepiece.

Note: If a string pressed at the 22nd fret buzzes against a polepiece, lower the entire assembly using the pickup mounting screws. The continue with the adjustment.

- 4) Repeat the same procedure for each pickup.

Pickup Adjustments (IMAGE CUSTOM)

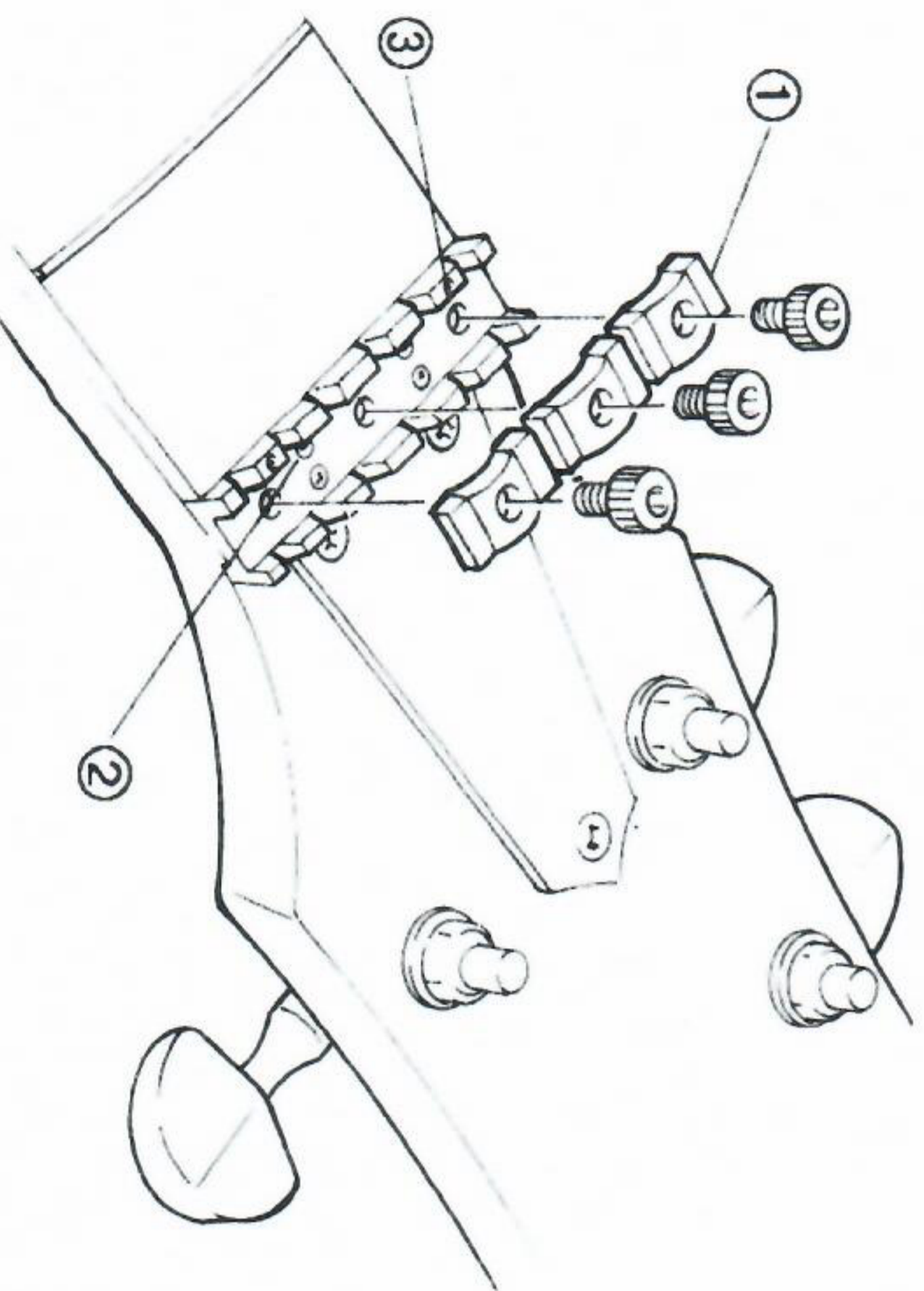
The IMAGE CUSTOM is Equipped with the full-covered pickups (H.I.P.S.), by Original YAMAHA Design.

The overall height of the entire pickup can be raised or lowered by turning the leveling screws appropriately with a Phillips type screwdriver.

HOW TO ADJUST THE HEIGHT OF THE ADJUSTABLE LOCK NUTS

The IMAGE DELUXE is equipped with the Adjustable Lock Nuts, by Original YAMAHA Design. The height of the Nuts can be altered as required.

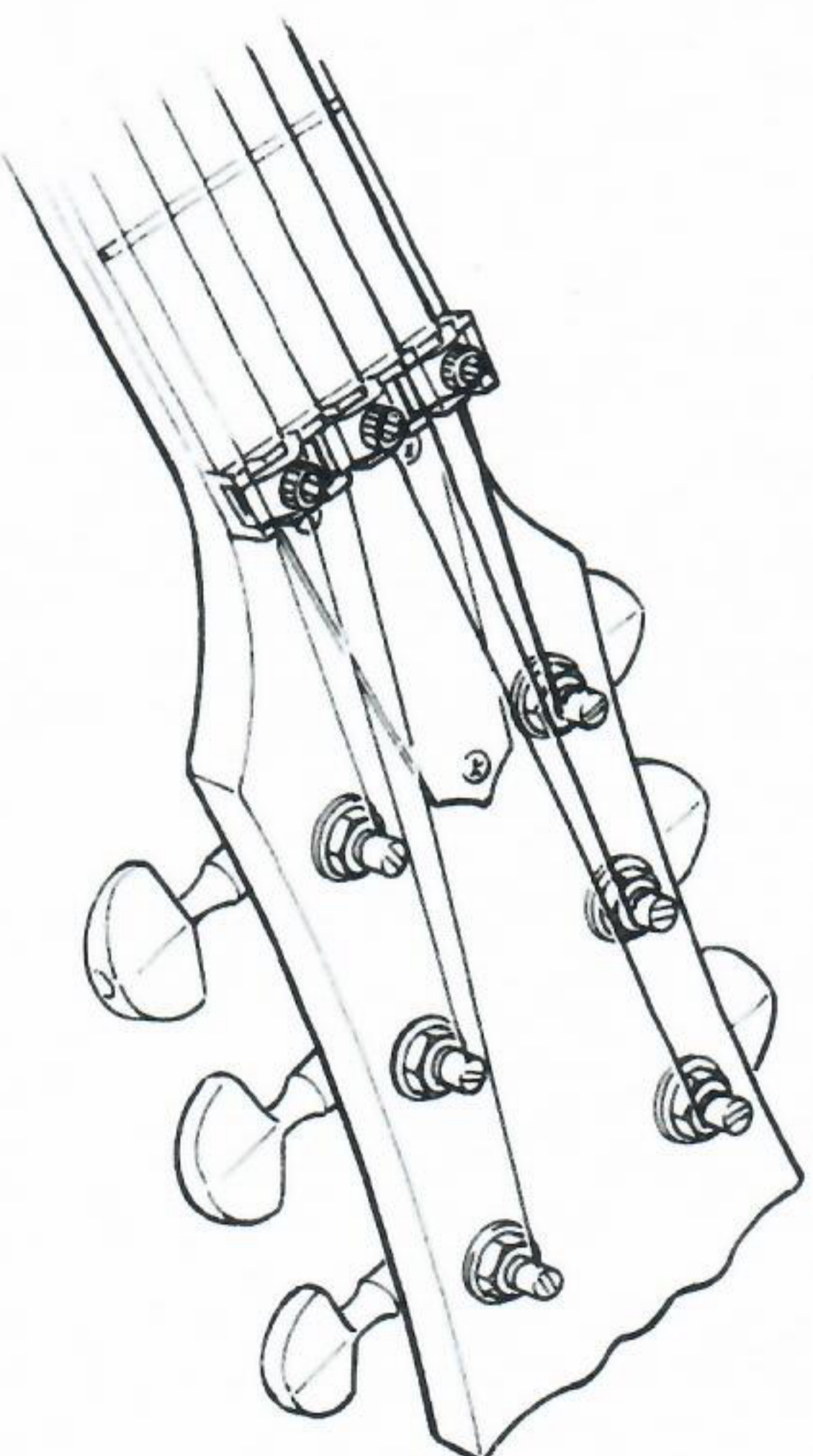
- 1) Remove 3 pcs. of Allen screws fixing the Lock Pads. (illustration — ①)
- 2) Loosen 4 pcs. of screws fixing the Nut Base. (illustration — ②)
- 3) Adjust the height by the Height Adjustment Screw. The Nut Base gets higher by clockwise rotation, and lower by counterclockwise rotation. (illustration — ③)



Note: As the height has been adjusted in the best condition in the factory, please avoid the adjustment unless you have tolerable experience. We suggest that you entrust this adjustment to your dealer.

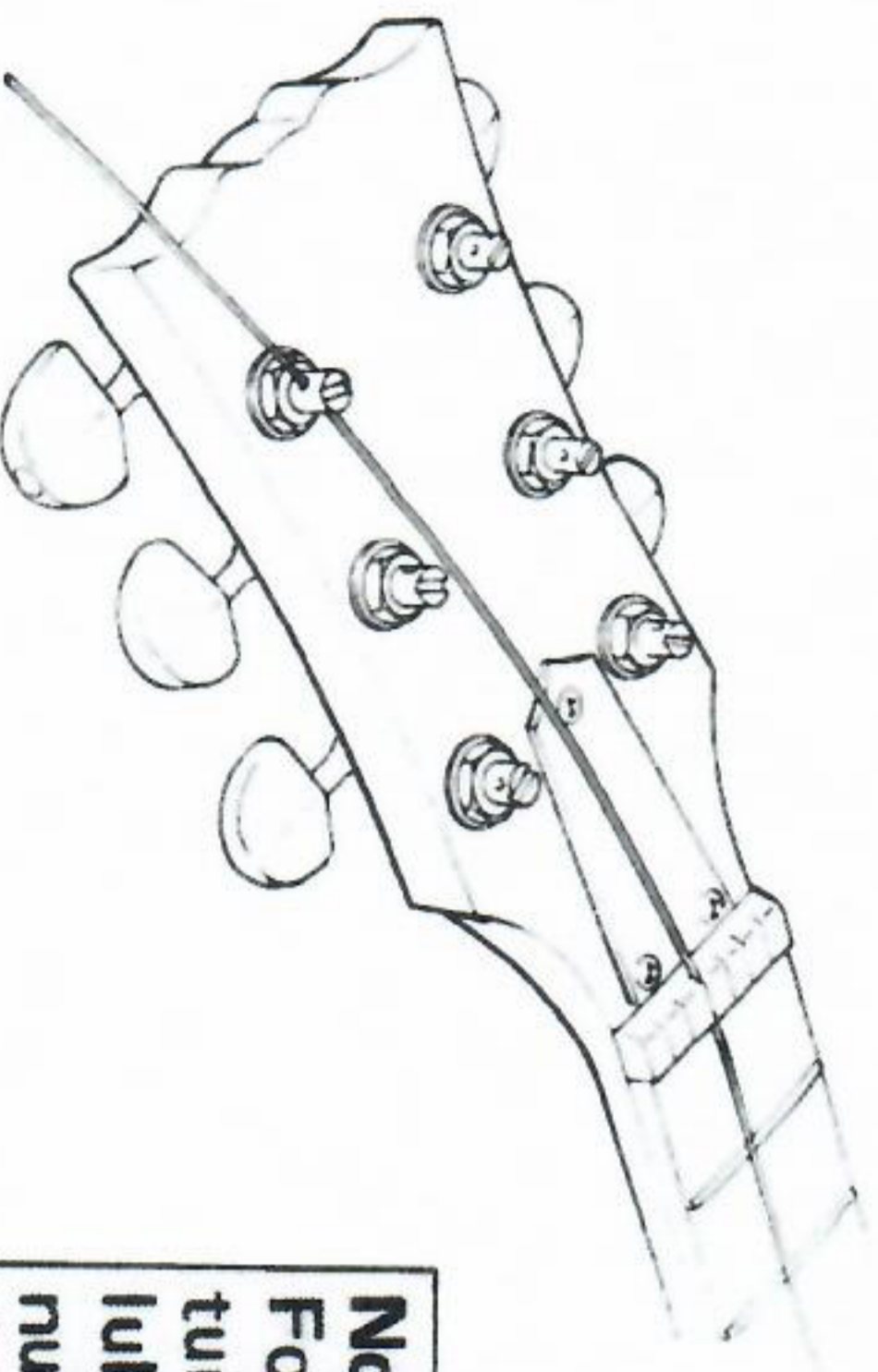
HOW TO CHANGE THE STRINGS

- 1) Insert the string into the appropriate tailpiece, or bridge making certain that the ball end of each string is tightly seated.
- 2) Use the over-locking technique and secure the strings as illustrated.



Remember to leave enough slack so that the string can wrap three times around the capstan before proper tuning tension is achieved. If you can lift the string 3 or 4 inches (8 or 9 cm) from the fingerboard at the middle of the neck when the string is first threaded in the capstan, there should be adequate slack to allow the string to be properly tightened. This technique reduces string breakage by creating a smooth radius at the point where the string leaves the capstan.

HOW TO USE THE TUNING LOCK (IMAGE CUSTOM)



Note:
For more stable tuning, apply lubricant to the nut.

Strings 4, 5 and 6

- * Insert the string through the hole in the post and, while gently pulling on the string to keep it taught, turn the knob counterclockwise. The string locks automatically. At this point the shaft begins to turn, and you can tune the string.

Note: The string lock works automatically. In order to tune the string more quickly and lock it more firmly, insert a coin or similar instrument into the notch in the post and after the shaft begins to turn, rotate clockwise. Be careful not to wind the string too tight, as it might break.

- * Turn the knob clockwise to loosen the string when you wish to change it. The string lock releases automatically and, so the string can be removed easily.

Note: If the string lock fails to release automatically, insert a coin or similar instrument into the notch in the post and turn counterclockwise.

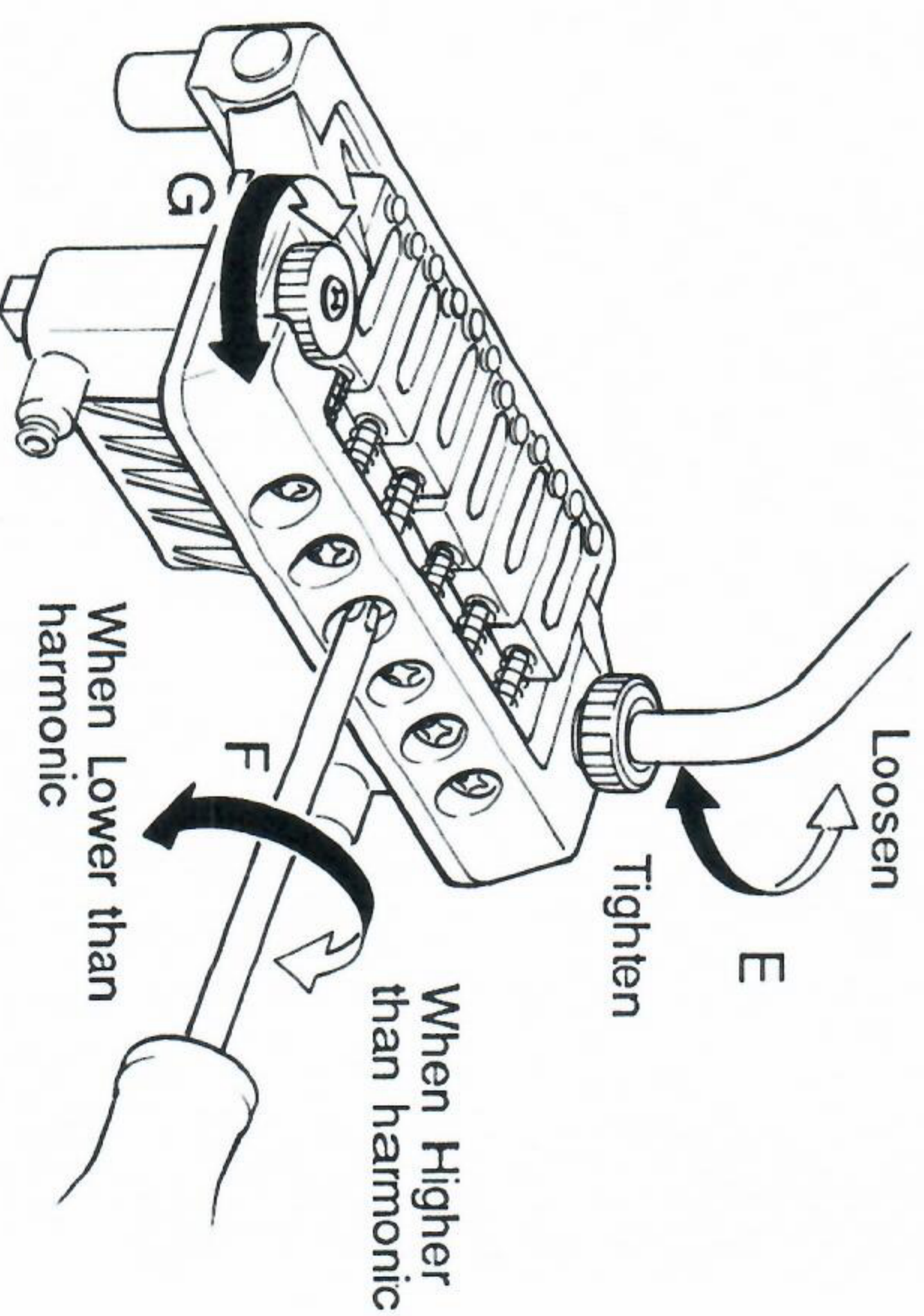
Strings 1, 2 and 3

- * The procedure is identical to that described above, except that knobs and posts are turned in the opposite direction.

YAMAHA ORIGINAL DESIGN VIBRATO SYSTEM Vintage-Pro

The YAMAHA Vibrato System Vintage-Pro is equipped on IMAGE CUSTOM.

Following is the procedures for adjusting the vibrato system:



Tension Adjustment in Vibrato Arm

Adjust the tension rotating the Arm Screw.
(illustration — E)

Putting On/Off the Vibrato Arm

When you put on/off the Vibrato Arm, please be sure to loosen the Arm Screw first, and then push/pull the Arm in/out.

Intonation Adjustment

When the string gauge and/or bridge height is changed, or the truss rod is adjusted, it is usually necessary to reintonate the bridge saddles. If the guitar plays out of tune in the higher registers, this adjustment is needed. Check each string in the following way:

To check intonation, compare the harmonic tone (12th fret) to the fretted tone (12th fret). Because the 12th fret is the midway point between the nut and the bridge, a harmonic tone one octave higher than the fretted tone can be generated. This is done by barely touching the string directly above the 12th fret (left hand) and simultaneously plucking the same string (right hand). If the fretted tone is exactly the same pitch as the harmonic tone, no adjustments to the bridge saddles are necessary. However, if the fretted tone is higher in pitch (sharp) or lower in pitch (flat) than the harmonic tone, apply the appropriate adjustment as shown on P.14. Repeat the same procedure for each string.

If the fretted note is pitched higher than the harmonic, turn the corresponding saddle adjustment screw clockwise, increasing the active string length. Conversely, if the fretted note is pitched lower than the harmonic, turn the corresponding saddle adjustment screw counterclockwise, reducing the active string length. (Illustration – F)

For best results, we recommend a tuning scope to compare harmonic tones to fretted tones. If a tuning scope is not available, we recommend that you refer this adjustment to a qualified guitar technician.

Pitch Rise Adjustment System

1) Adjustment of Arming Up Range

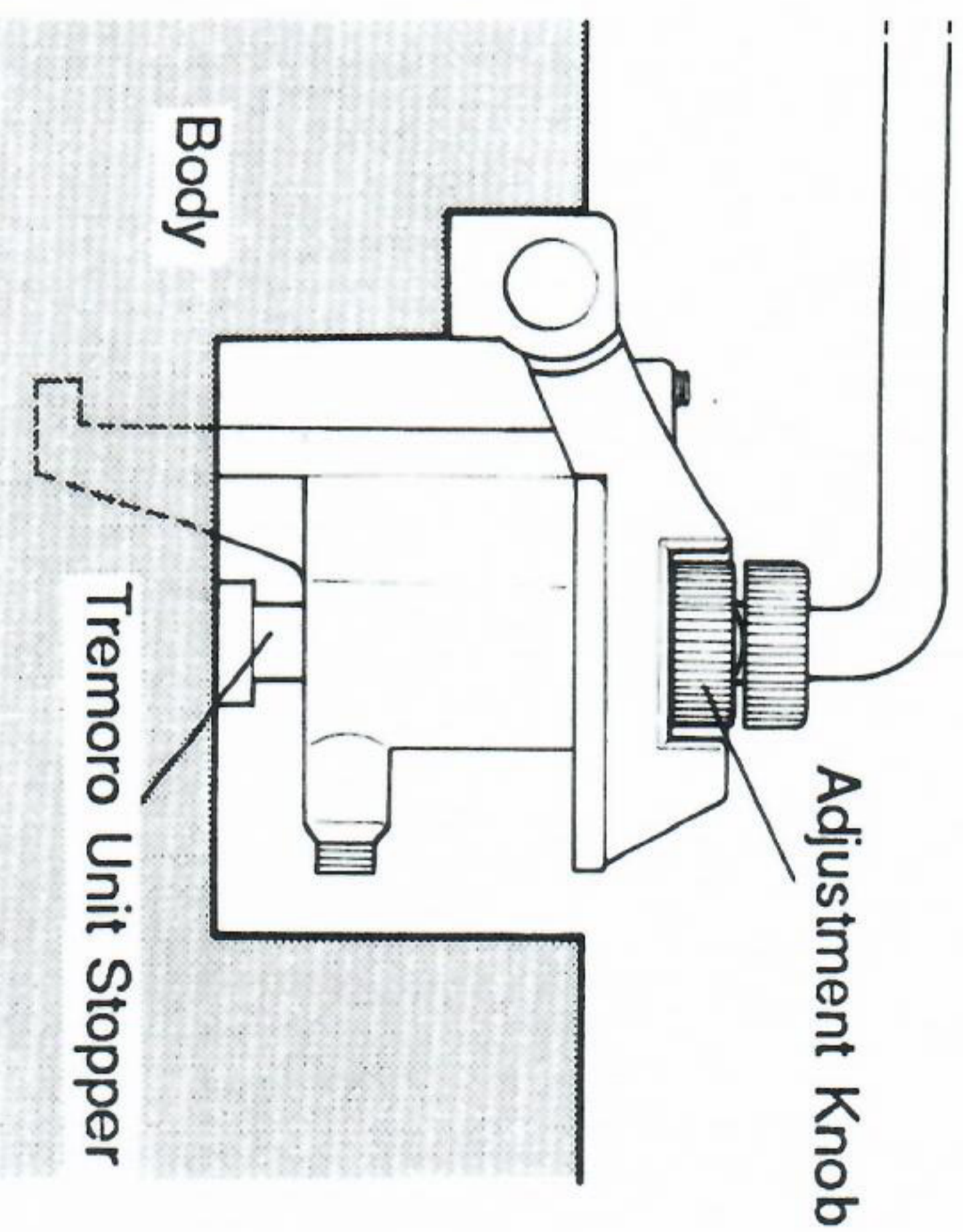
The Arming Up Range can be adjusted by rotating the Adjustment Knob. (Illustration – G)

- Rotate the Adjustment Knob clockwise, when more Arming Up Range is required.
- Rotate the Adjustment Knob counterclockwise, when less Arming Up Range is required.

2) One-Way Back Stop

When you don't use the Arming Up Function, the Pitch Rise Adjustment System serves to prevent the whole tuning to be out of tune in case a string has been broken.

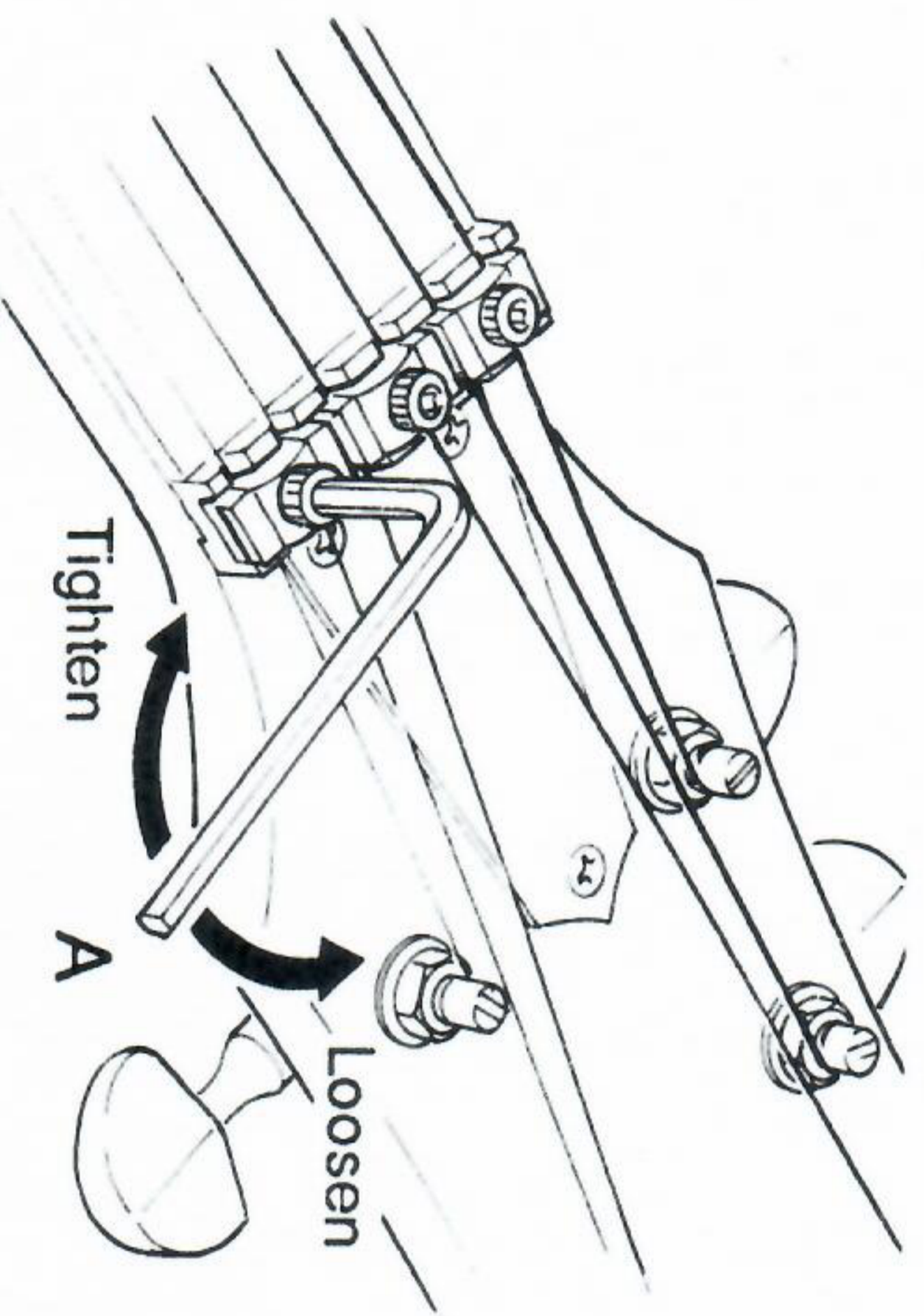
When you have finished the normal tuning, set the Tremolo Unit Stopper to be just in touch with the body, by rotating the Adjustment Knob (As shown below). By this adjustment, the tuning stays stable even when a string happens to be broken.



YAMAHA ORIGINAL DESIGN VIBRATO SYSTEM RM-Pro

The YAMAHA Vibrato System permits superior pitch stability during the most radical use of the vibrato arm. Even though the strings are locked at the nut and bridge saddle, string replacement is quick and simple due to YAMAHA's unique design. The strings are top-loaded from the rear of the bridge and it is not necessary to cut off the ball end as on other vibrato systems. This original design vibrato system RM-Pro is equipped on IMAGE DELUXE. Following is the procedures for changing strings and adjusting the vibrato system:

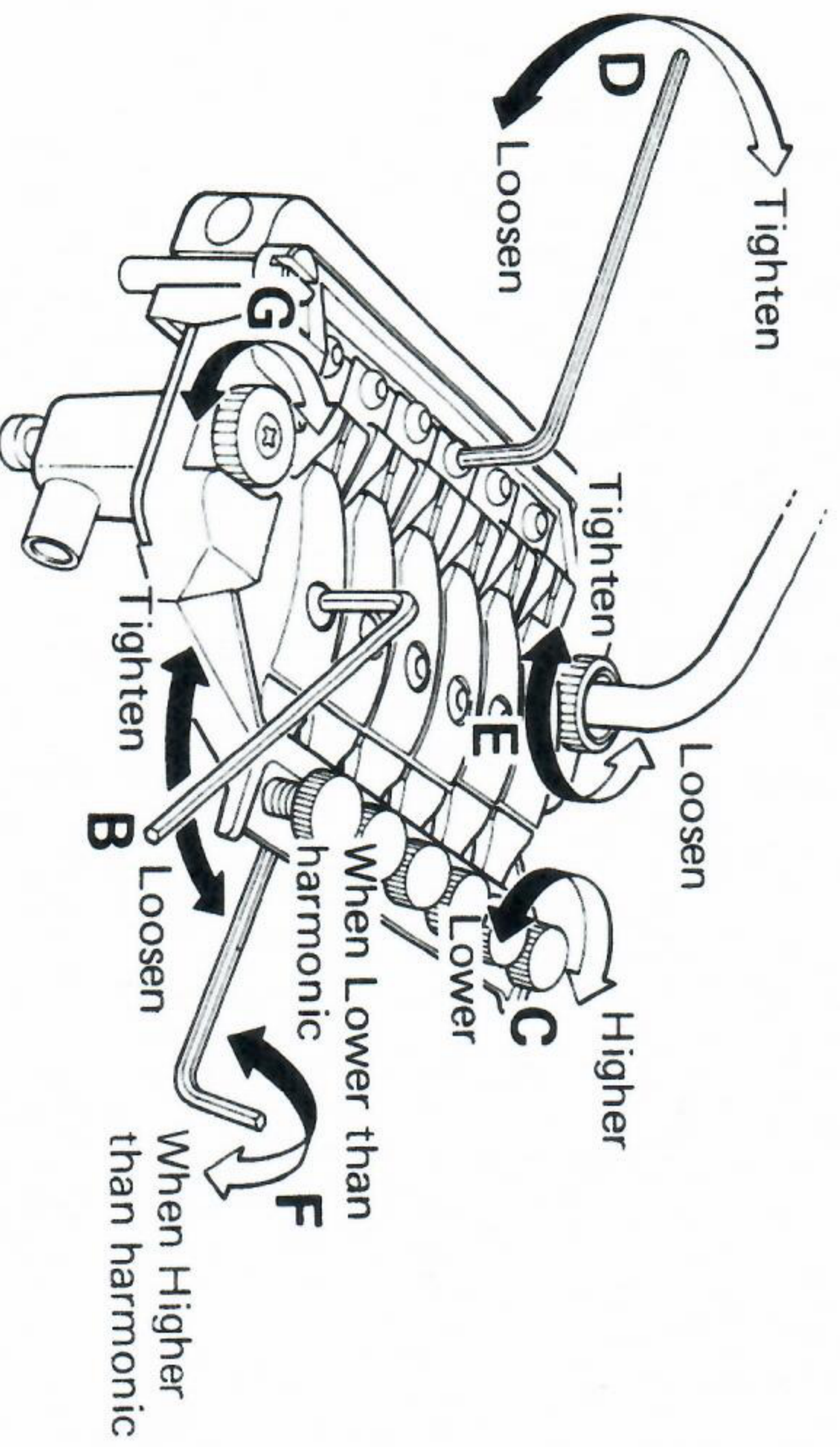
- a. Loosen the three Allen screws on the lock above the nut. (illustration — A)
- b. Loosen the individual string locks on each saddle using the Allen wrench. (illustration — B)



- c. Replace the old strings with new strings and tune the guitar a little lower than the correct pitch. (See the section "HOW TO CHANGE THE STRINGS" on P. 12.) Note that locking the string increases the string tension. Unless tuned a little lower here, the pitch exceeds the adjustable range by the fine tuning thumb screw.
- d. Using the supplied Allen wrench, lock each string at the saddle. (Illustration—B)
- e. (Before locking the strings, make sure that the fine tuning thumb screws are in the middle of their range of travel.) (illustration—C)
- f. Tune the guitar to the correct pitch. (illustration—C)
- g. Remove the back plate to gain access to the vibrato strings. Two springs are factory installed and we recommend that these springs be adjusted so that the vibrato bridge plate is parallel to the top of the guitar when it is tuned to correct pitch.
- h. Lock the strings above the nut using the supplied Allen wrench. (This will cause the strings to go slightly sharp in pitch.) (illustration — A)
- i. Use the fine tuners at the rear of the bridge to bring the strings back down to the correct pitch. (illustration — C)

Intonation Adjustment in Vibrato Bridge

- a. Loosen the hex screw located in front of each saddle using the supplied Allen wrench. (illustration — D)
- b. Use the Allen wrench to adjust the individual string lengths. These screws are located directly below the string mounting holes. (illustration — F)
- c. When the intonation is correct, tighten the hex screw in front of each saddle to insure that its position stays stationary. (illustration — D)



Tension Adjustment in Vibrato Arm

Adjust the tension rotating the Arm Screw.
(illustration — E)

Putting On/Off the Vibrato Arm

When you put on/off the Vibrato Arm, please be sure to loosen the Arm Screw first, and then push/pull the Arm in/out.

Pitch Rise Adjustment System

1) Adjustment of Arming Up Range

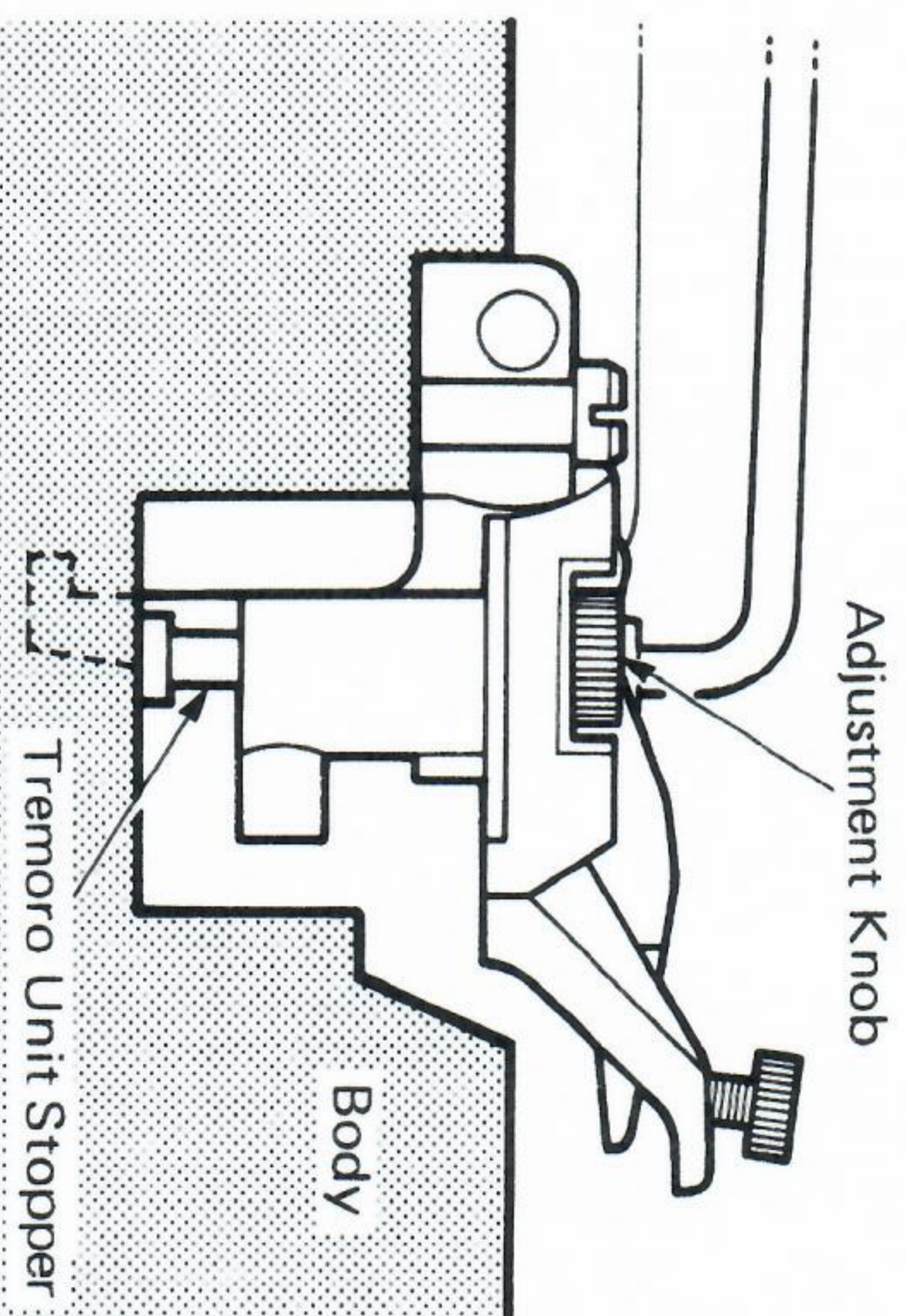
The Arming Up Range can be adjusted by rotating the Adjustment Knob. (illustration — G)

- Rotate the Adjustment Knob clockwise, when more Arming Up Range is required.
- Rotate the Adjustment Knob counterclockwise, when less Arming Up Range is required.

2) One-Way Back Stop

When you don't use the Arming Up Function, the Pitch Rise Adjustment System serves to prevent the whole tuning to be out of tune in case a string has been broken.

When you have finished the normal tuning, set the Tremolo Unit Stopper to be just in touch with the body, by rotating the Adjustment Knob (As shown below). By this adjustment, the tuning stays stable even when a string happens to be broken.



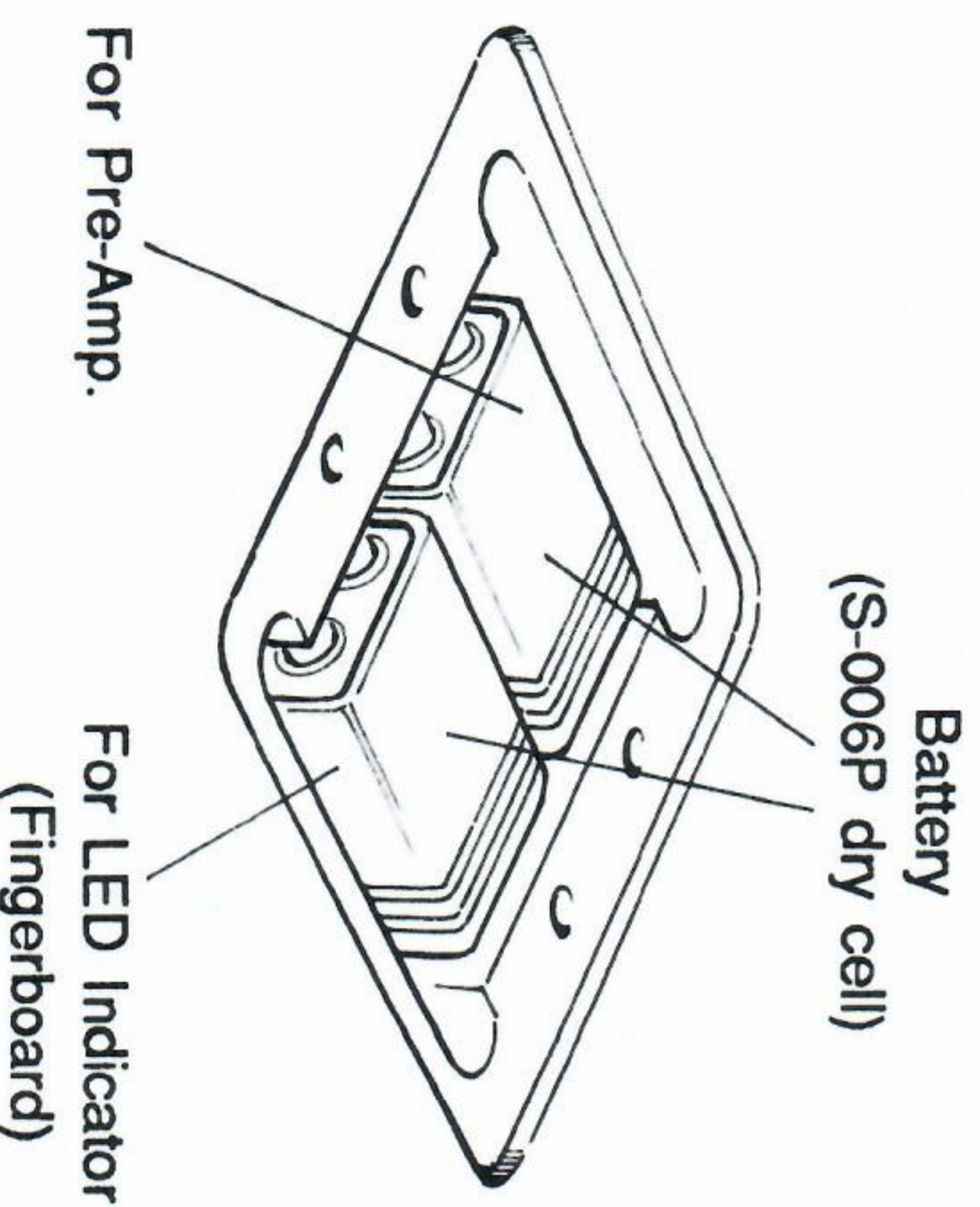
HOW TO CHANGE THE BATTERIES (IMAGE CUSTOM)

IMAGE CUSTOM is equipped with two batteries. One is for the Pre-Amp, another is for the LED indicator (fingerboard). Each battery is separated.

If, for example, the LED indicator becomes dim or the sound is distorted, at low or high level, the batteries need to be replaced.

Following is the procedures for changing the batteries.

- 1) Turn over the body, and remove the cover by using a screwdriver.
 - 2) Take the old batteries out.
 - 3) Insert the new batteries (S-006P), and attach the cover. Be careful not to re-install the battery cover upside-down. Also, do not forget to re-insert the cushion which is wrapped around the batteries.
- * When you don't play the guitar for a long period of time, remove the battery to avoid leakage, etc.



CARE AND MAINTENANCE

With proper treatment, high quality instruments typically retain value well, and often appreciate with age. They also play, look, and sound better. To get the most out of your YAMAHA IMAGE Series (MSG Series) be sure to heed the following instructions.

- * After playing, wipe the entire guitar down, including strings, with a good polishing cloth. This will remove corrosive skin oils and acids, and protect the plating, finish, and strings.
 - * Avoid exposing the guitar to direct sunlight and extremes of heat and humidity.
 - * Loosen tension on the strings when storing the guitar for long periods.
 - * When traveling by airplane, special precautions should be taken. In fact, like many musicians, you expect to do a lot of traveling, it might be prudent to invest in a specially reinforced travel case.
- In any event, when shipping the guitar, be sure to pad the headstock on both sides. Use a soft cloth or sponges to secure the headstock from moving within the case. This will minimize damage to both headstock and neck if the case should be dropped or violently jarred.

SERVICE

If your guitar should need any parts or service, or if you need any information, including the address of your nearest YAMAHA dealer, contact:

YAMAHA MUSIC CORP.

Guitar Service Department

6600 Orangethorpe Avenue
Buena Park, Calif. 90620 Calif. U.S.A.
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TEL: 04101 30 31

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YAMAHA MUSIQUE FRANCE S.A.

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YAMAHA CANADA MUSIC LTD.

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South Melbourne, Vic. 3205 Australia
TEL: 699 2388

このたびは、YAMAHA IMAG シリーズエレクトリックギターをお買い求めいただきまして、まことにありがとうございます。優れた性能をフルに発揮させると共に、いつでも支障なくお使いいただくとため、ご使用前にこの取扱説明書をよくお読みください。ますようお願いいたします。

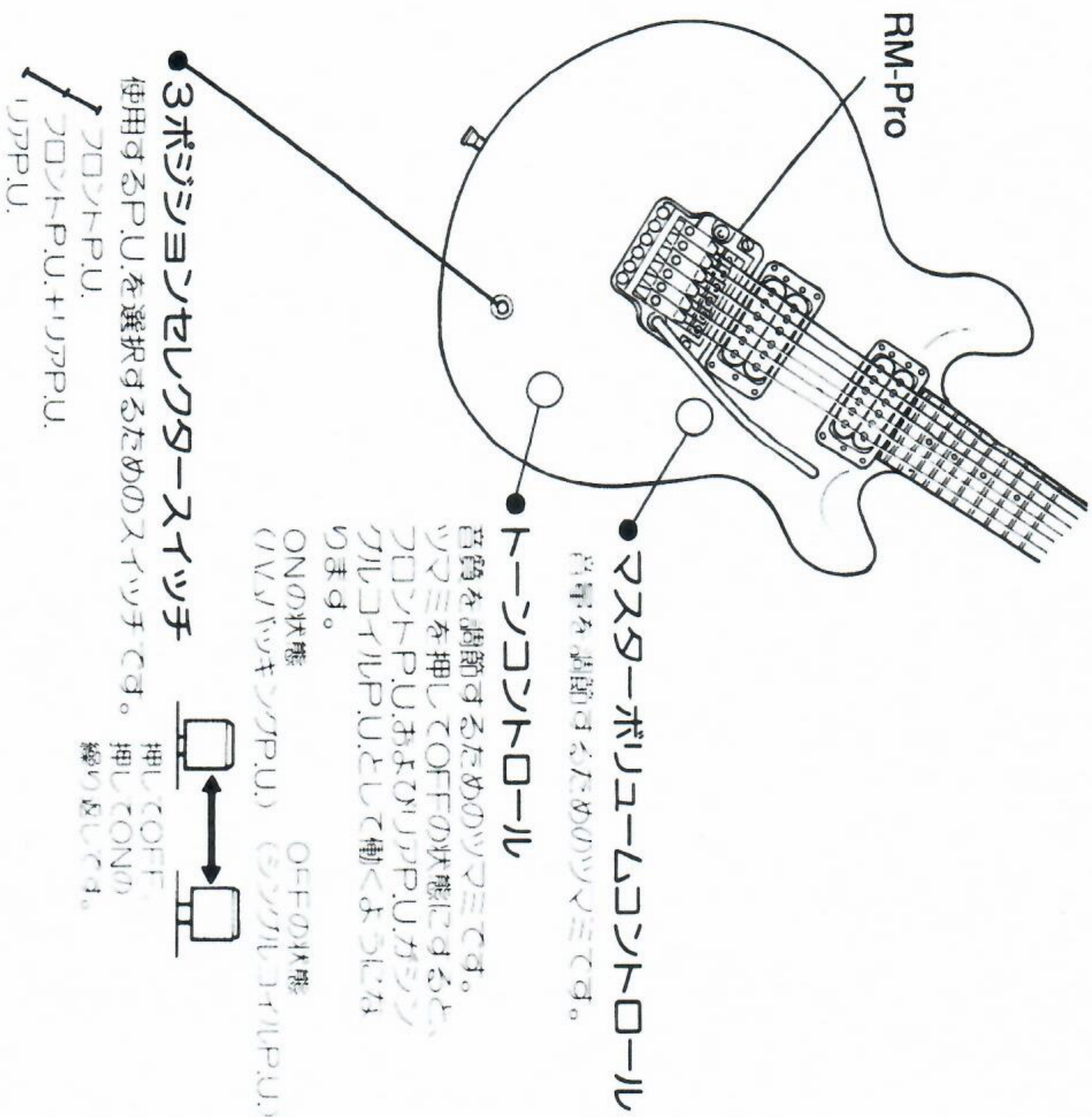
■ご使用上の注意

- シールドコードの脱着時には、ギターアンプ等の電源をOFFにするか、またはギターアンプ等のボリュームを絞ってください。
- 物をぶつけたり、落としたりの乱暴な取り扱いや、製品に悪い影響を与え、性能を劣化させますので、ていねいにお取り扱いください。
- スイッチやツマミ、トリモラーなどに無理な力を加えないでください。
- 外装をペンジンやシンナー系の液体で拭かないでください。お手入れは、必ず柔らかい布で乾拭きするようにしてください。なお、近くでエアゾールタイプの殺虫剤を散布しないでください。
- 直射日光、湿気、温度の高い場所、低い場所を避けてください。

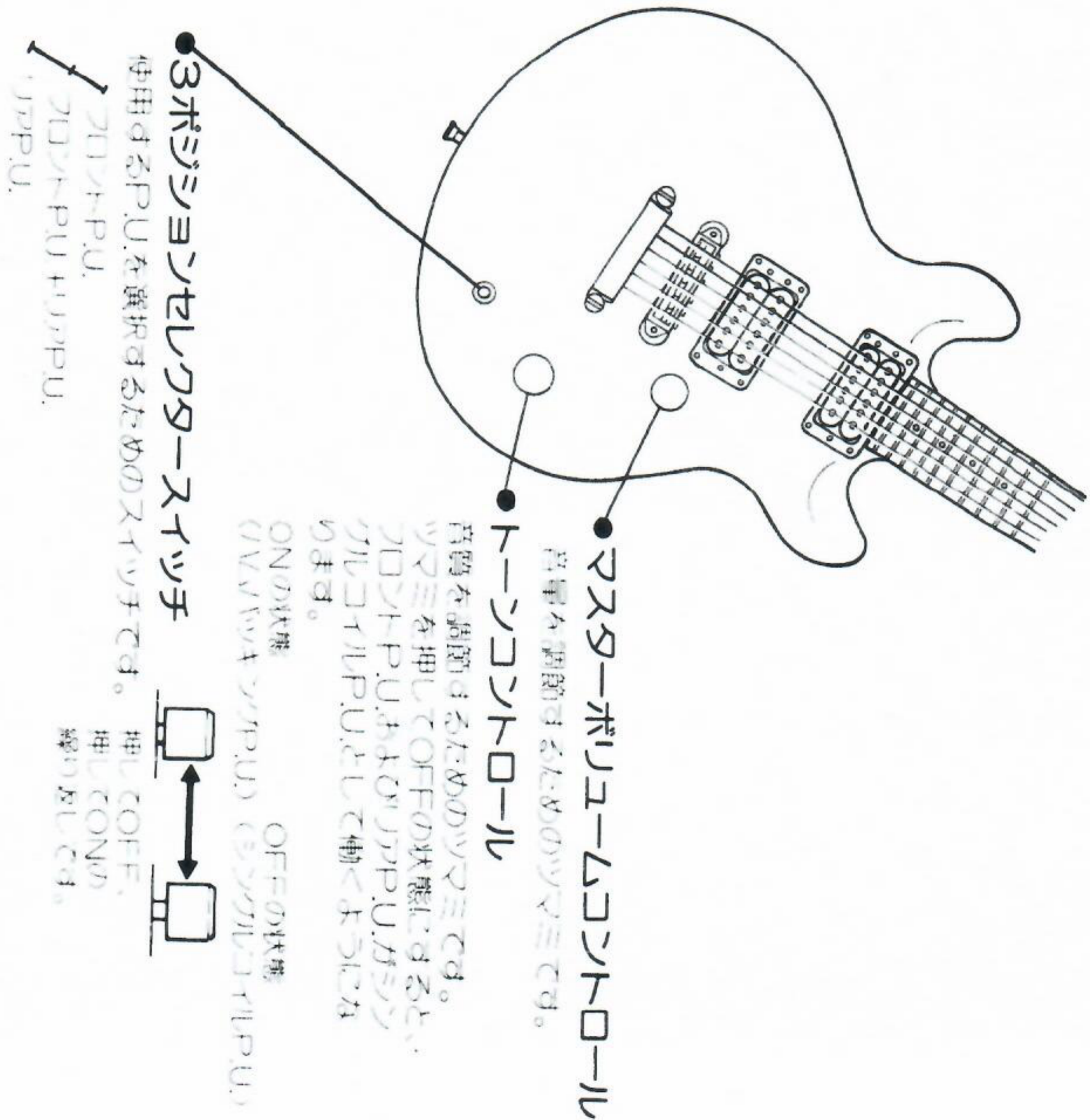
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■ ツアミおよびスイッチの働き
● IMAGE-DELUXE



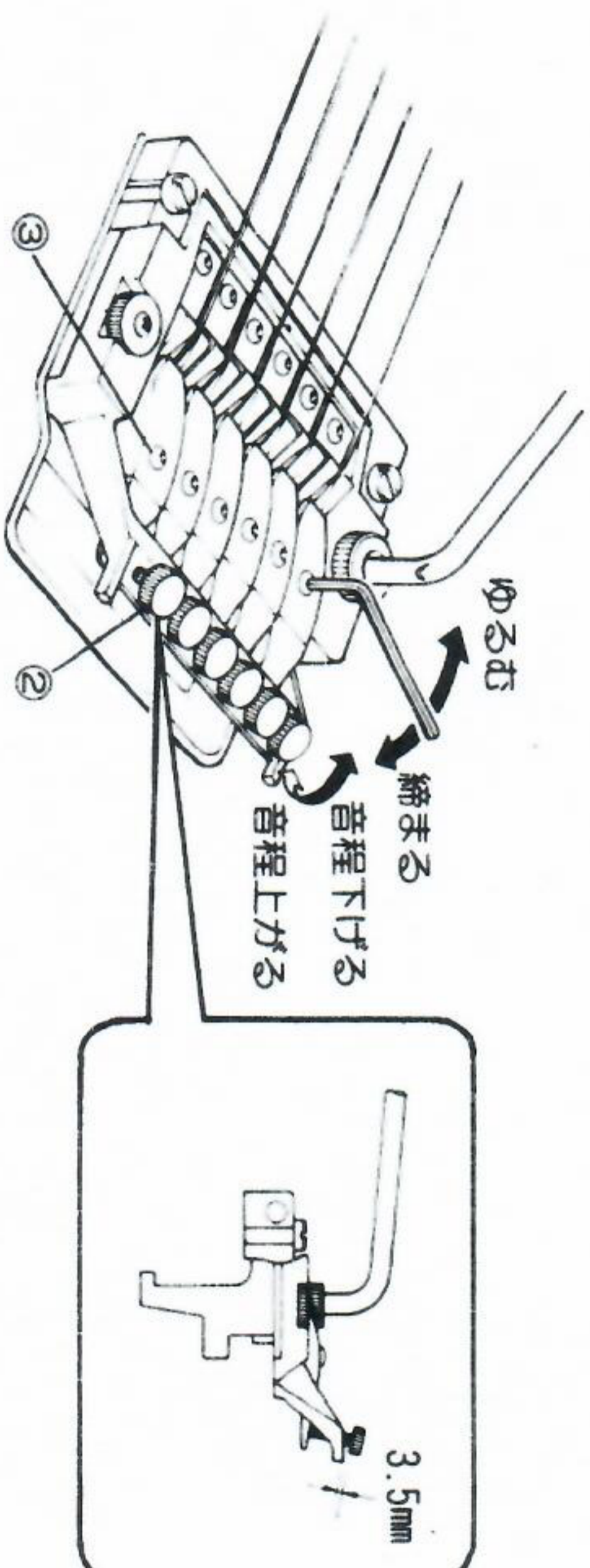
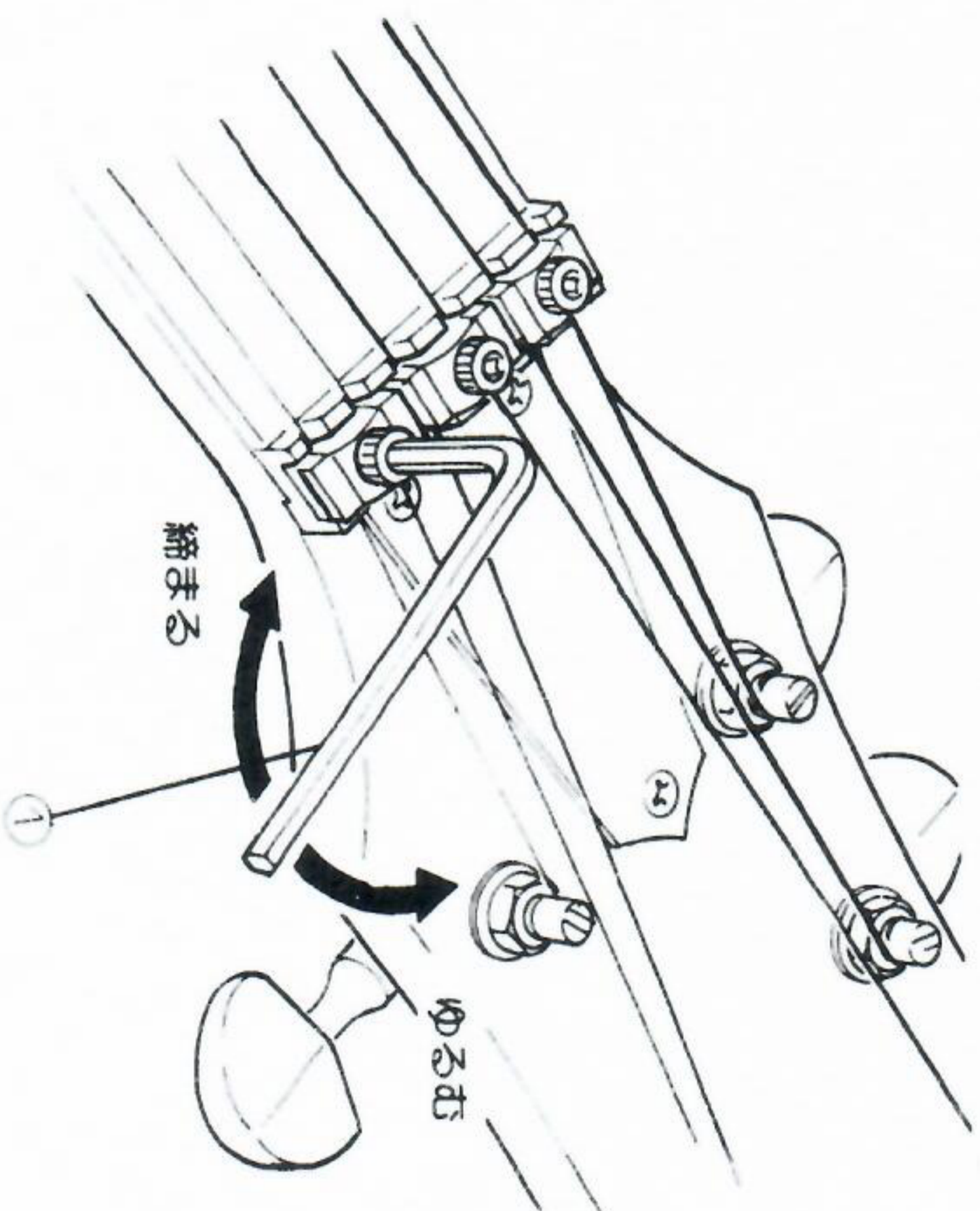
■ ツアミおよびスイッチの働き
● IMAGE-STANDARD



■弦交換の手順 (IMAGE-DELUXE)

弦の交換は、付属の工具をお使いになり、次の手順で行なってください。

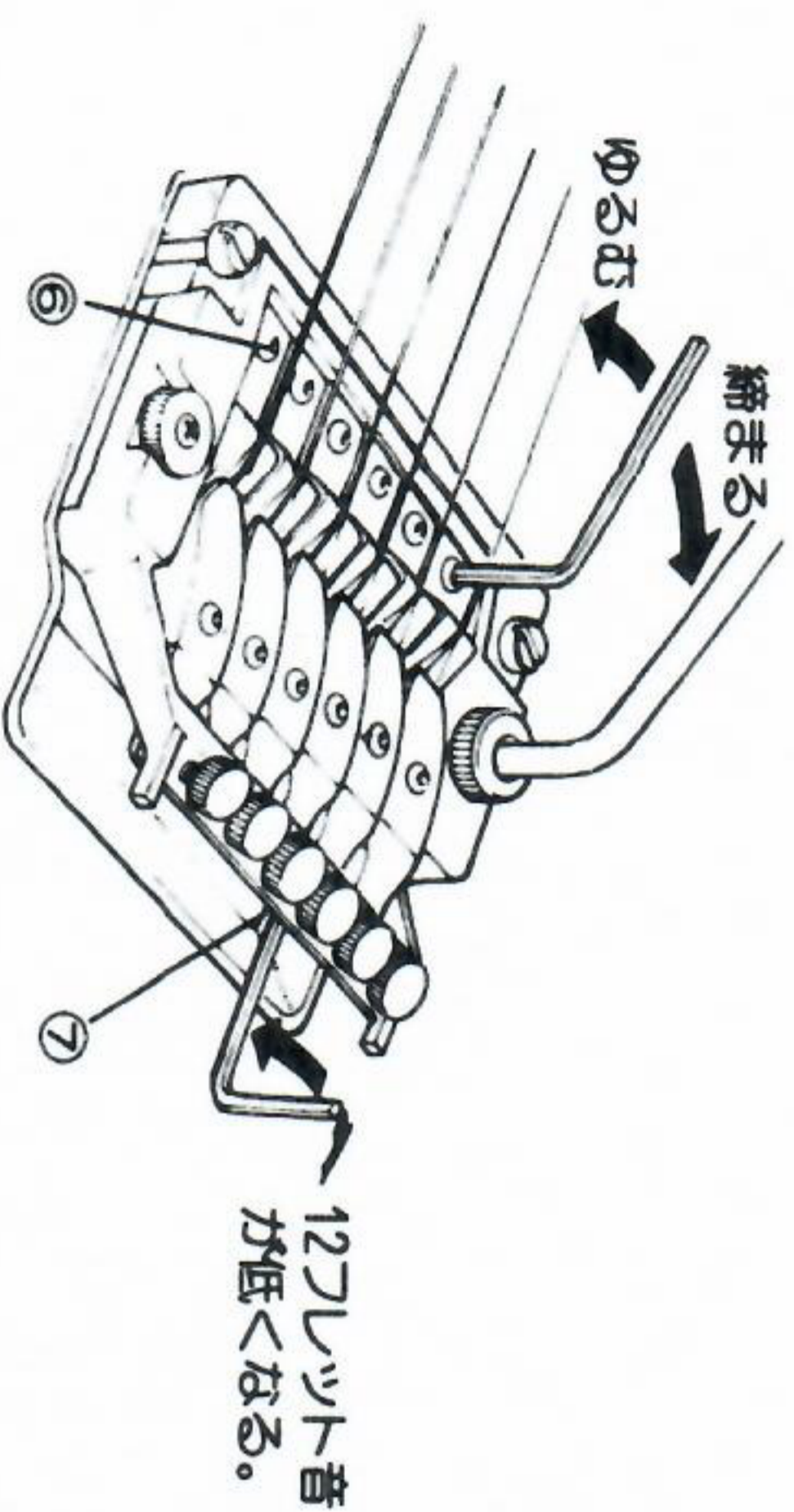
1. クラウン弦クリュー①を3箇所ゆるめると共に、フライング弦クリュー②を回して3.5mm程度の隙間をあけます。
2. 交換する弦のロックスクリュー③をゆるめます。
3. 古い弦を外し、新しい弦をゆるめに張ります。
4. ロックスクリュー③を締めつけます。なお、ロックスクリューはあまり強く締めつけなくてください。(過度の締めつけは、破損の原因となります。)
5. フライング弦クリュー②を、右いつばいに回しきった状態と左いつばいに回しきった状態のちょうど中間あたりの状態にします。
6. 仮チューニングしたうえで、トシエロームを3回程度大きく操作し、再びチューニングします。
7. 必要に応じ、“オクターブピッチの調整”をします。
8. 必要に応じ、“ブリッジの高さ調整”をします。
9. クラウン弦クリュー①を3箇所締めて上駒側もロックします。
10. フライング弦クリュー②により、チューニングの微調整を行ないます。



■オクターブピッチの調整

開放音と12フレットを押さえた時の音(1オクターブ高い音)が同じでない時は、次の要領でオクターブピッチの調整をしてください。

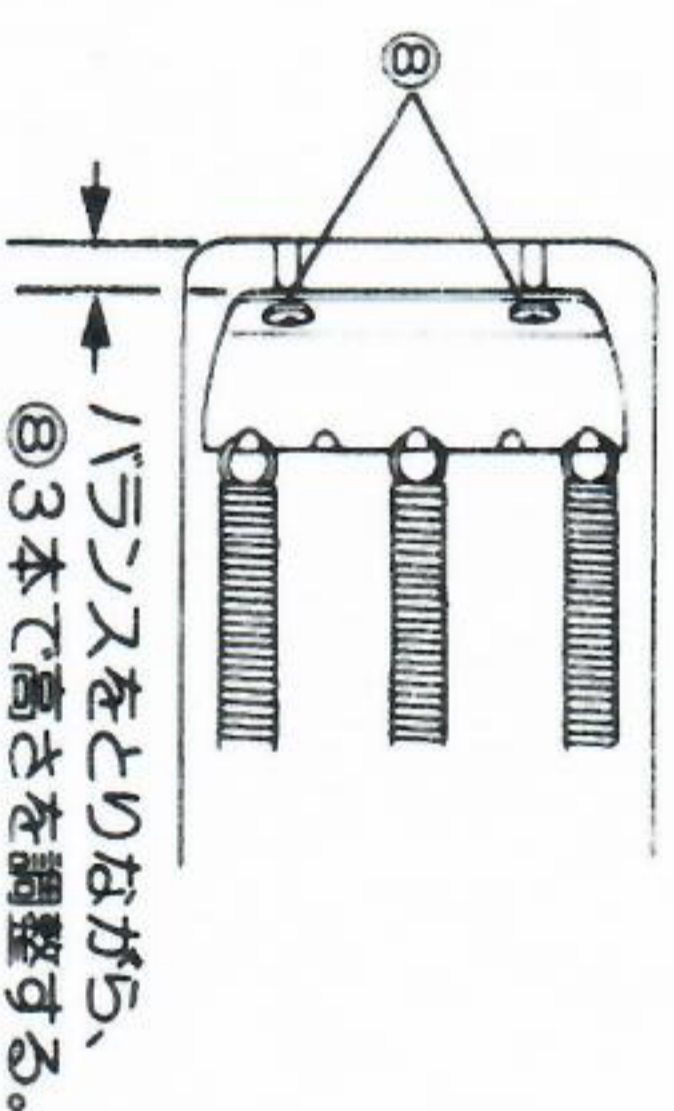
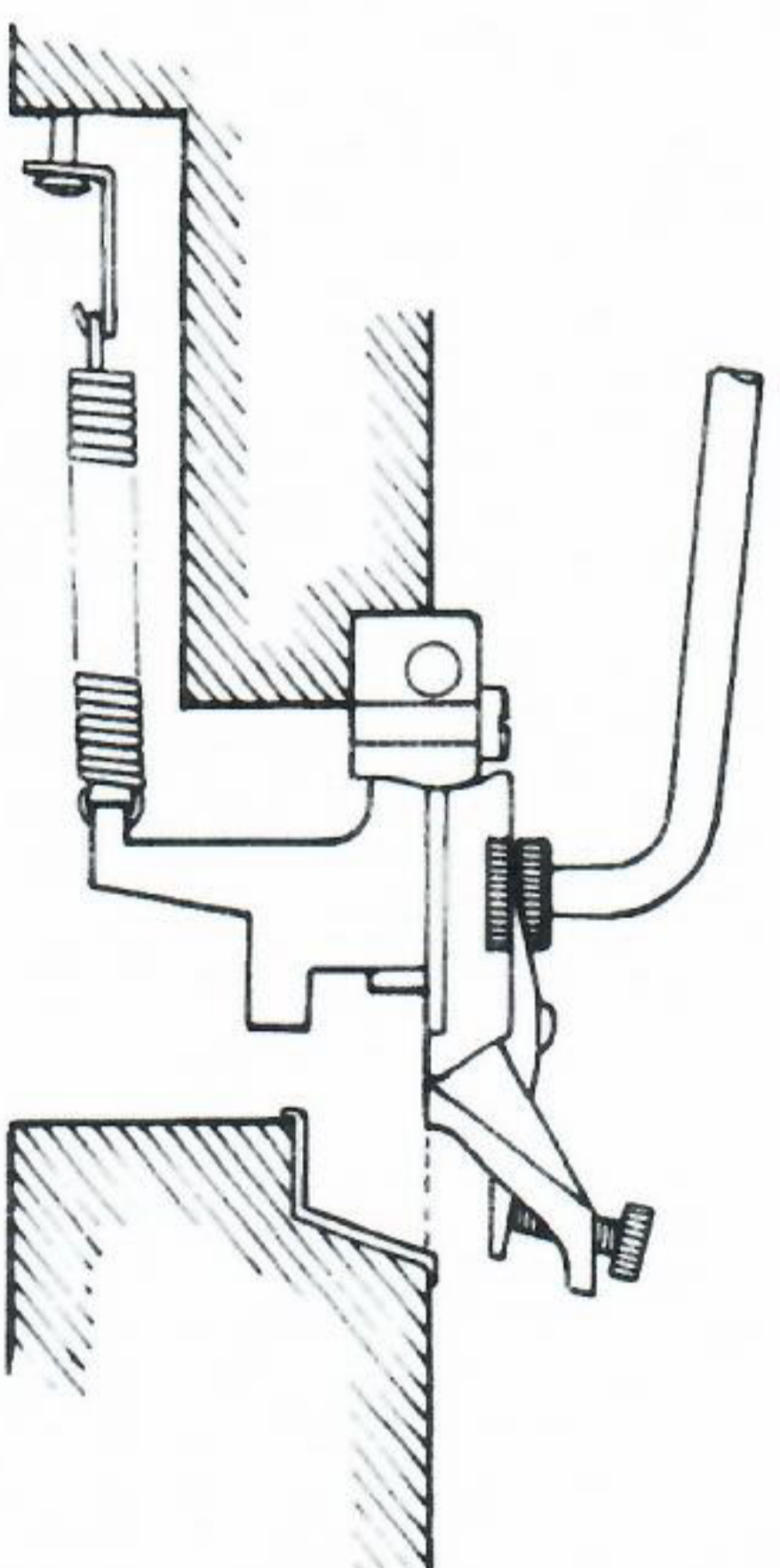
1. “弦交換の手順”の6を行なった後、調整する弦のオクターブロックホルスト⑥をゆるめます。
2. オクターブ調整ネジ⑦を回転させて、オクターブピッチをあわせます。
 - ・12フレットを押さえた時の音が開放音よりも高い場合……オクターブ調整ネジ⑦を右に廻す。
 - ・12フレットを押さえた時の音が開放音よりも低い場合……オクターブ調整ネジ⑦を左に廻す。
3. オクターブピッチをあわせたら、オクターブロックホルスト⑥を締めて、再び“弦交換の手順”の6を行ないます。



■ブリッジの角度調整

“弦交換の手順”の1~7の作業をしたら、必要に応じて次の要領でブリッジの角度調整(フローテーション量の調整)をしてください。

1. 角度調整のしかたー
ブリッジのテール部分が、ボディと平行になるように調整します。
 - ブリッジのテール部分が上になっている場合……スプリングスクリュー⑧を右に廻す。
 - ブリッジのテール部分が下になっている場合……スプリングスクリュー⑧を左に廻す。



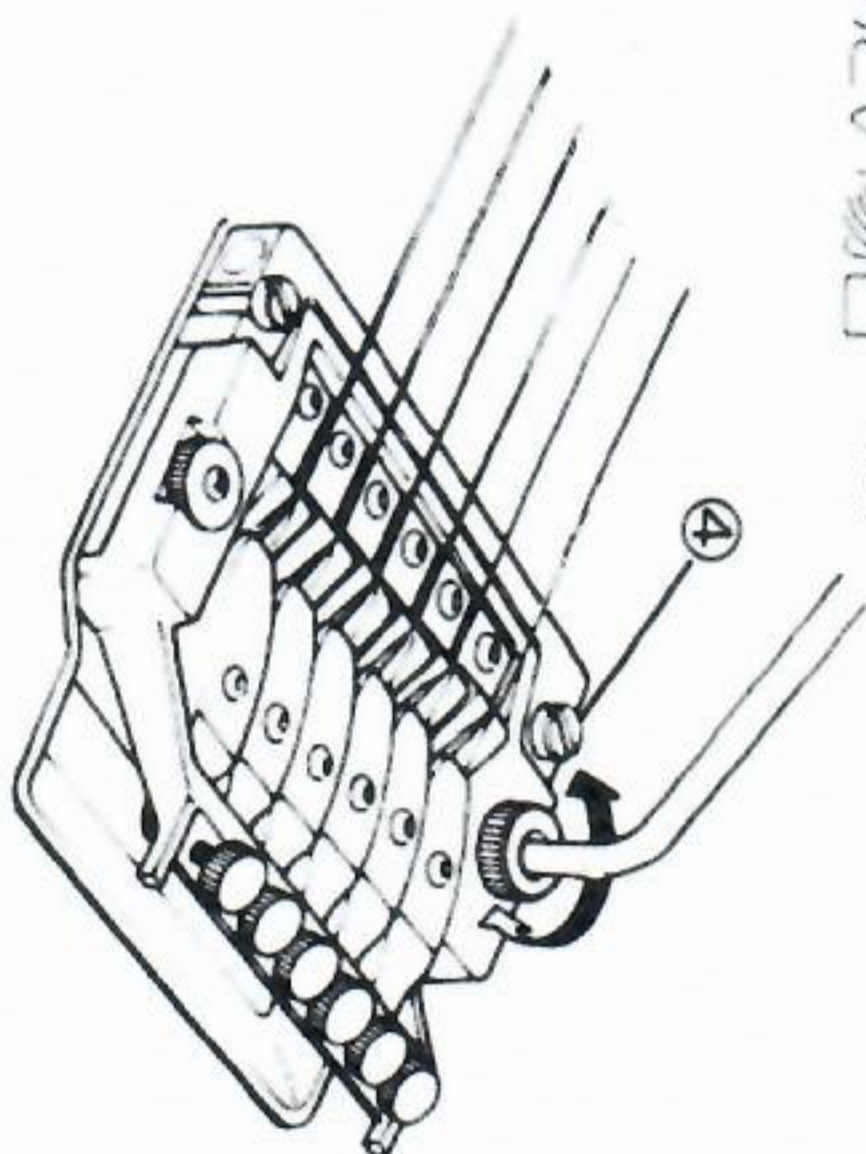
→ バランスをとりながら、
③3本で高さを調整する。

なお、スプリングスクリュー⑧は3本ありまので、3本のバランスをとりながら、以上の調整をしてください。
また、この調整を行ないますと、チューニングが変化しますので、再度チューニングを行なってください。

■アーラムのトルク調整

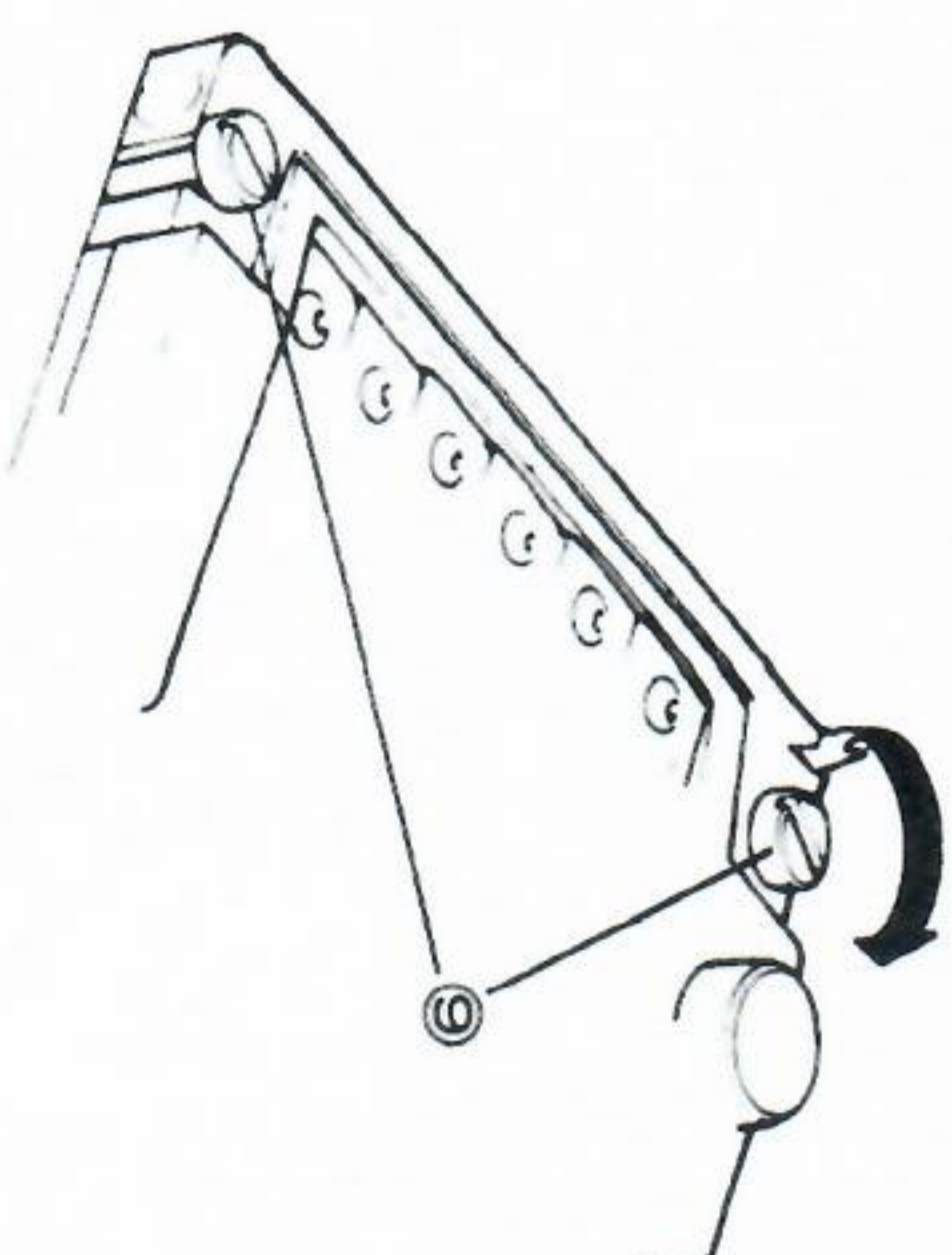
トシモロアーラムの固定の具合はアーラムスクリュー④で調整できます。

- アーラムの締めつけを強くしたい場合……
④を右にまわす。
- アーラムの締めつけを弱くしたい場合……
④を左にまわす。



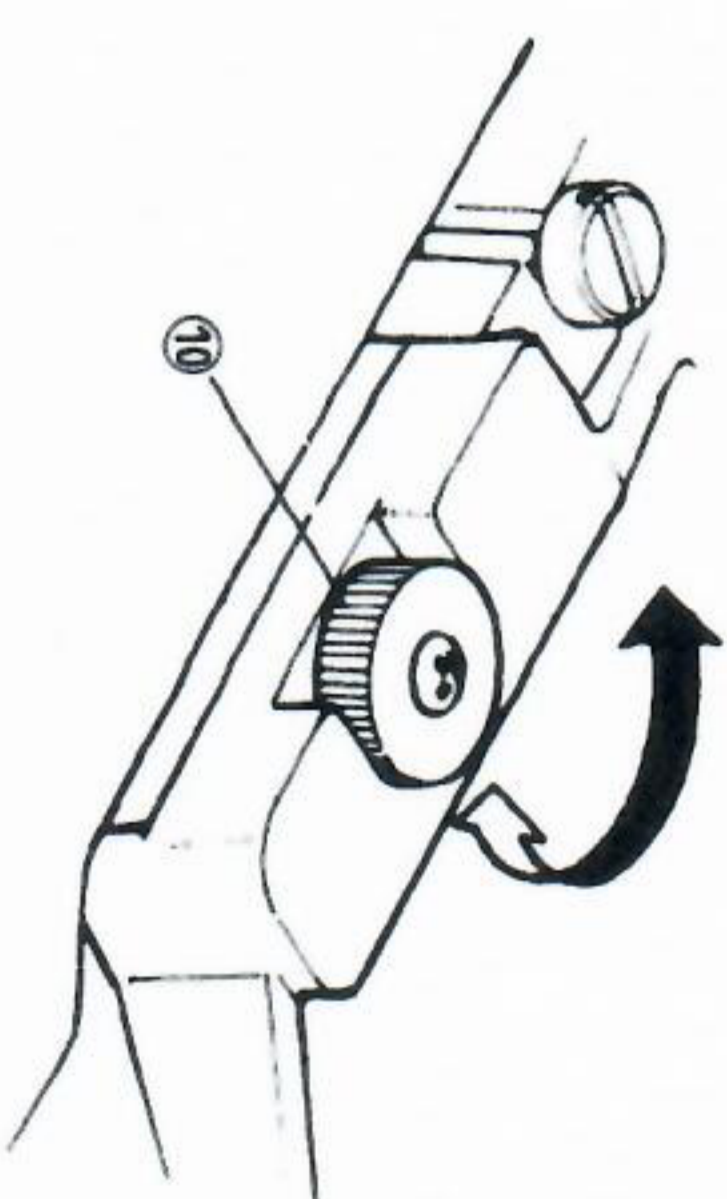
■ブリッジの高さ調整

- ブリッジの高さを上げたいとき。
(最終ブリッジ側の弦高を高くしたいとき)
高さ調整ネジ⑨を左へ回す。
- ブリッジの高さを下げたいとき。
(最終ブリッジ側の弦高を低くしたいとき)
高さ調整ネジ⑨を右へ回す。



■アーミンググアツツ量の調整

- アーミンググアツツの量を制限したい時
調整ダイヤル⑩を右へ回す。
- アーミンググアツツの量を増やしたい時
調整ダイヤル⑩を左へ回す。



■保証とサービス

★保証期間

ヤマハギターの保証は、ご購入日(保証書による)より満一年(現金、ローン、月賦等による区別は一切ございません。又保証は日本国内のみ有効)と致します。

★保証書

ヤマハブランドリペアエレクトリックコーステックギターに添付されております保証書には販売店の店頭にて諸事項を御記入の上大切に保管ください。

★アフターサービス

保証期間中に万一製品による故障が発生した場合、お買上げ店又はヤマハ電音サービスセンターに御持参頂きますと、技術者が修理、調整致します。この際必ず保証書をご提示ください。保証書なき場合にはサービス料金を頂く場合があります。但し、消耗品(弦等)については有償サービスとなります。尚、改造品についての保証は受けかねる場合がございますのでご注意ください。

★保証期間後のサービス

サービス料金を頂きますが責任を持って修理調整致します。

■YAMAHA電気音響製品サービス拠点

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TEL (0534) 81-9191

※各サービスセンターは専断で営業時間を定めます。

■ロッキングナットの高さ調整

1. クラシックスクリュー①を3本ともははずす。
2. ロッキングナットを固定している木ネジ②を4本ともゆるめる。

●ロッキングナットの高さを高くしたいとき。

(1フレット側の弦高を上げたいとき)
高さ調整ネジ②を右へ回す。

●ロッキングナットの高さを低くしたいとき。

高さ調整ネジ②を左へ回す。

注. ホネジをゆるめずに高さ調整ネジを締めますと、破損する恐れがありますので、御注意下さい。

■チューニングについて

弦をロックした後のチューニングの微調整は、フレットチューニングスクリューで行なってください。簡単にチューニングできます。

YAMAHA

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広島支店	〒730 広島市中区紙屋町1-1-18	TEL.082(248)4575
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