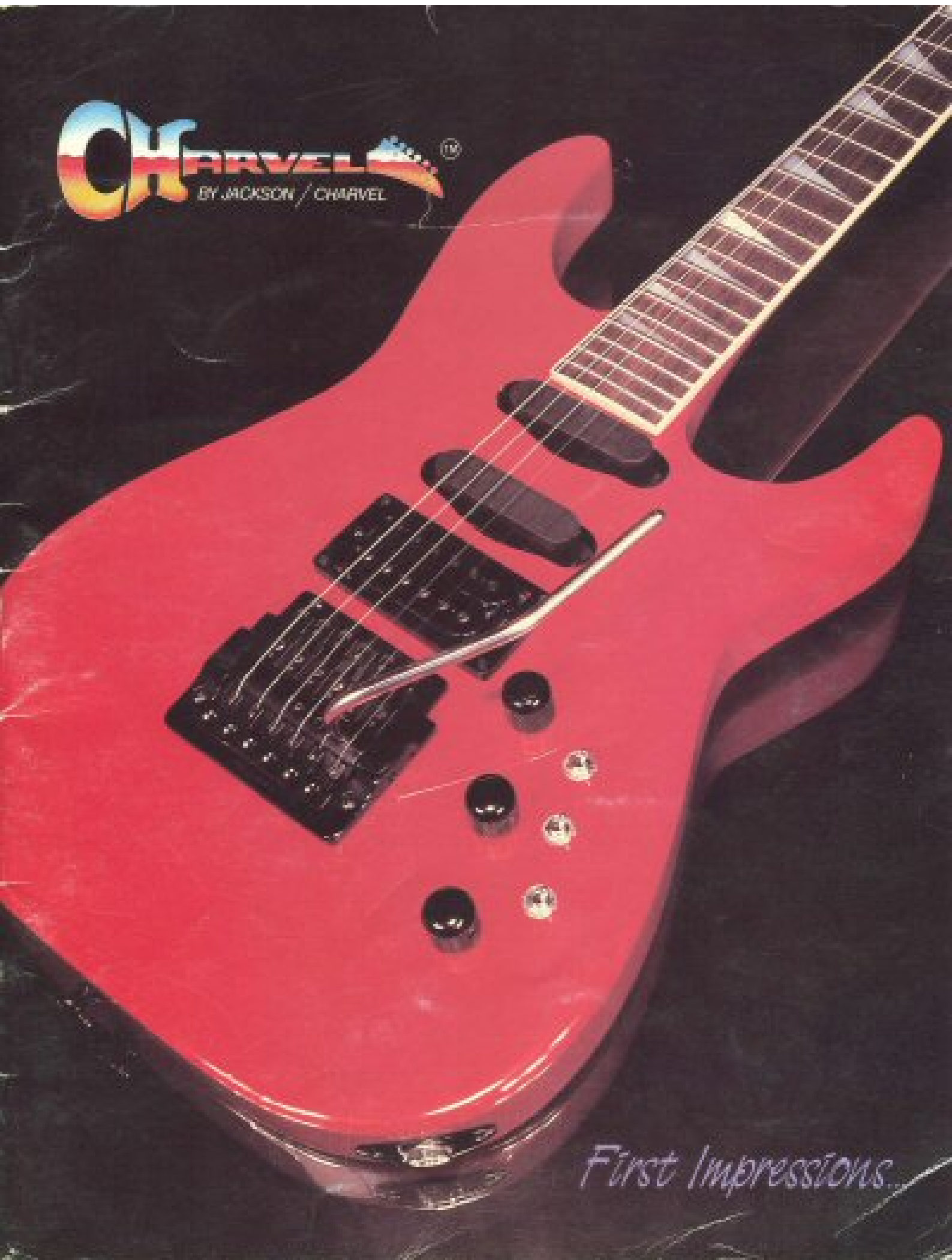


**Charvel**<sup>®</sup>  
BY JACKSON / CHARVEL

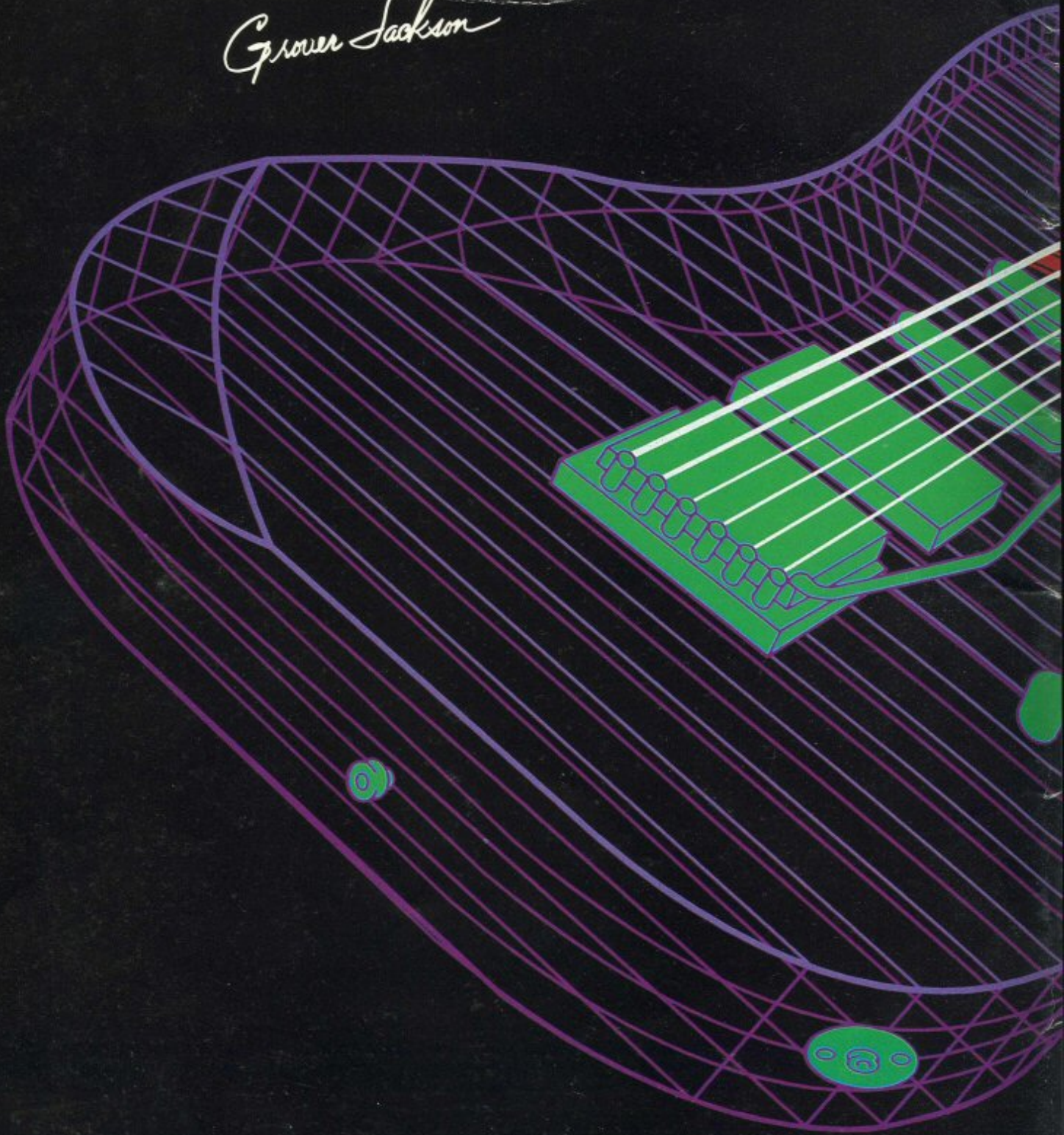


*First Impressions.*

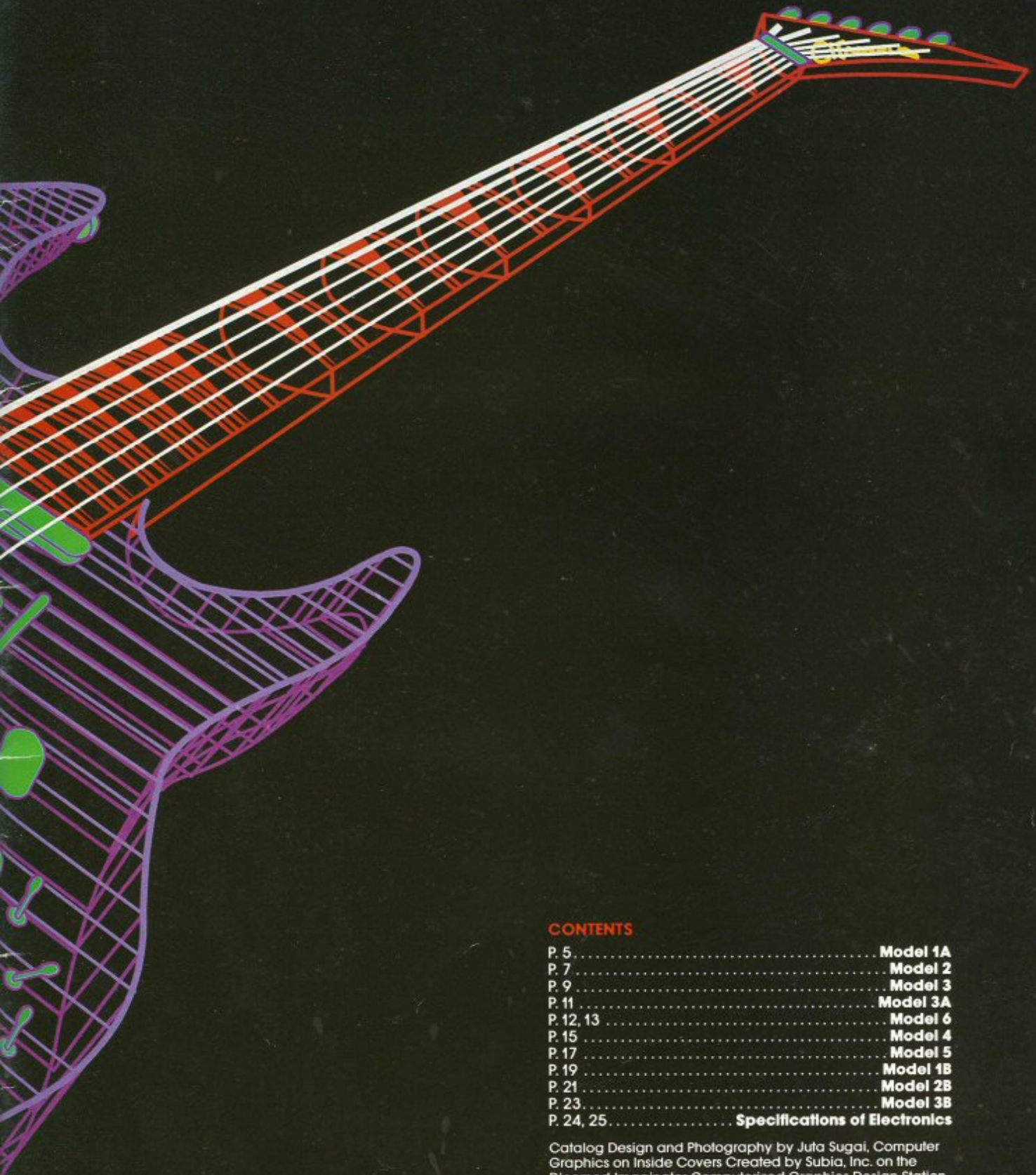
## Charvel

More than just a guitar company . . .  
People committed to the ultimate in quality  
through technology, artistry, and craftsmanship.

*Grover Jackson*







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## MODEL 1

### General Specifications

<b>Tremolo:</b>	Traditional 3-spring Fulcrum
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Maple
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Red
<b>Control Functions:</b>	One Volume

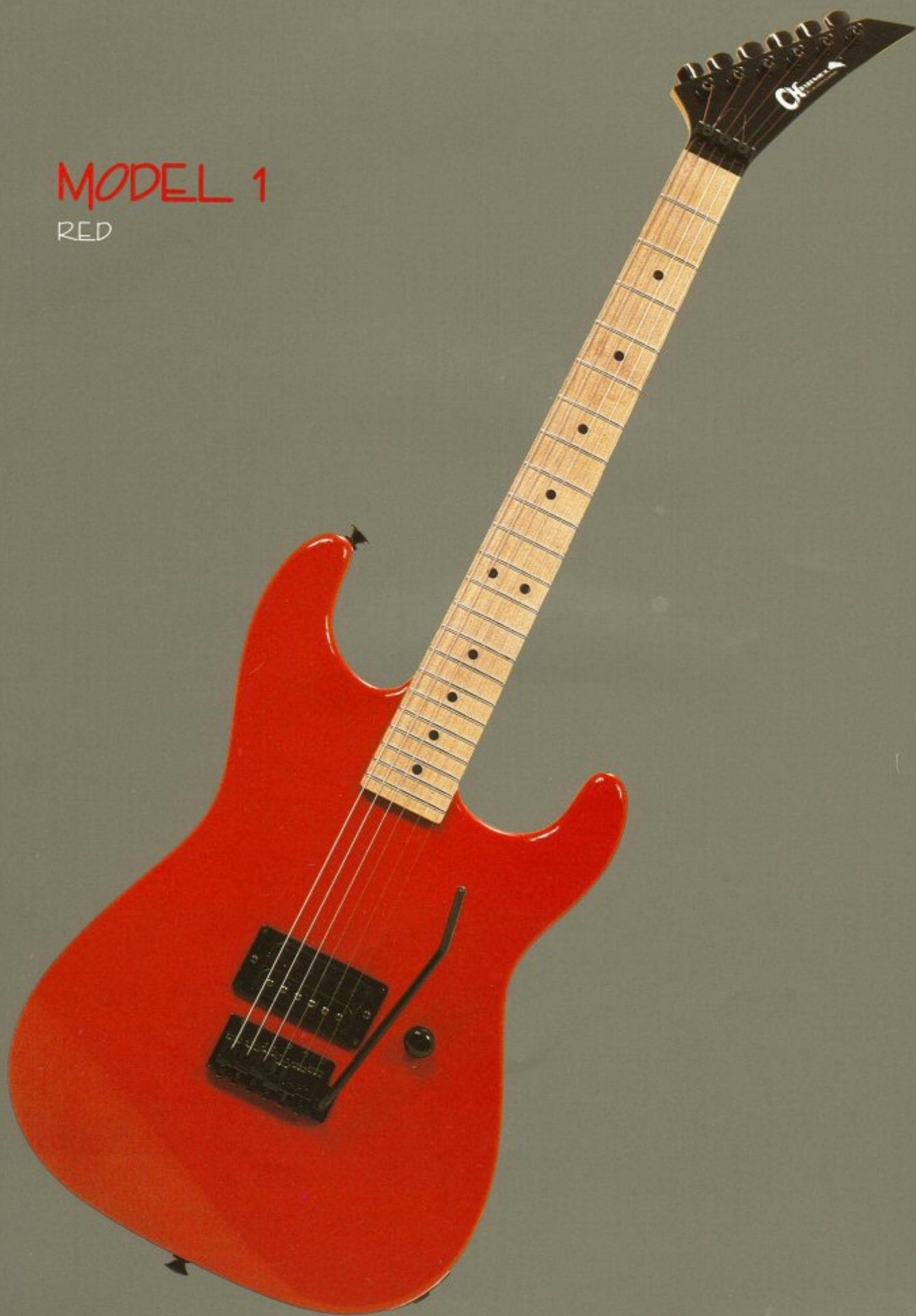
### Pickup Specifications

<b>Model Number:</b>	<b>J90C (One)</b>
<b>Description:</b>	Ultra high output distortion class, accentuated low frequency pickup with ceramic magnets for "clearer" distortion.
<b>Sr (In K Hz):</b>	4.88
<b>Z (@ Sr in MOhms):</b>	5.6
<b>Inductance (In Henries):</b>	9.8
<b>Q (@ Sr):</b>	18.8
<b>Output Level (@ Sr):</b>	+51.1dB
<b>Magnetic Structure:</b>	Ceramic
<b>Resistance (In KOhms):</b>	15.93



MODEL 1

RED







## MODEL 1A

### General Specifications

<b>Tremolo:</b>	Traditional 3-spring Fulcrum
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Maple
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Red
<b>Control Functions:</b>	One Volume, Two Tone : Type One 5-Way Switch

### Pickup Specifications

<b>Model Number:</b>	J100 (Three)
<b>Description:</b>	Magnetically-Corrected, Vintage Type Single Coil
<b>Sr (In K Hz):</b>	6.10
<b>Z (@ Sr in MOhms):</b>	1.7
<b>Inductance (In Henries):</b>	2.6
<b>Q (@ Sr):</b>	16.7
<b>Output Level (@ Sr):</b>	+48.9dB
<b>Magnetic Structure:</b>	Alnico V
<b>Resistance (In KOhms):</b>	6.10



MODEL 1A  
BLACK







## MODEL 2

### General Specifications

<b>Tremolo:</b>	Kahler® Fulcrum
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07 B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Pearl White, Red
<b>Control Functions:</b>	One Volume

### Pickup Specifications

<b>Model Number:</b>	<b>J90C</b> (One)
<b>Description:</b>	Ultra high output, distortion class, accentuated low frequency pickup with ceramic magnets for "clearer" distortion.
<b>Sr (In K Hz):</b>	4.88
<b>Z (@ Sr in MOhms):</b>	5.6
<b>Inductance (In Henries):</b>	9.8
<b>Q (@ Sr):</b>	18.8
<b>Output Level (@ Sr):</b>	+51.1dB
<b>Magnetic Structure:</b>	Ceramic
<b>Resistance (In KOhms):</b>	15.93

MODEL 2

RED







### MODEL 3 General Specifications

<b>Tremolo:</b>	Kahler <sup>®</sup> Fulcrum
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Pearl White, Red
<b>Control Functions:</b>	One Volume, One Tone, Type One 5-Way Switch

### Pickup Specifications

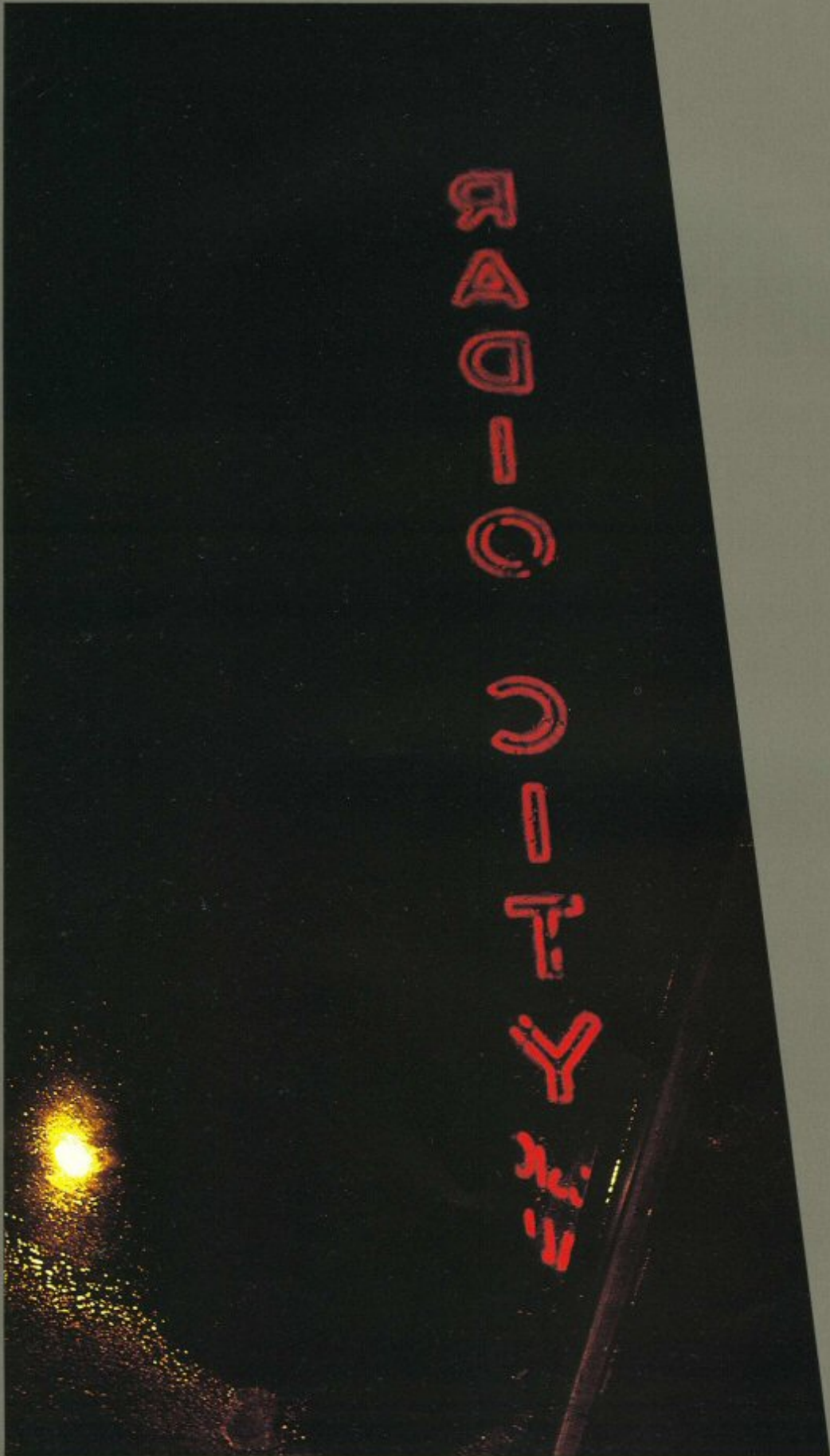
<b>Model Number:</b>	<b>J100 (Two)</b>	<b>J90C (One)</b>
<b>Description:</b>	Magnetically-Corrected, Vintage-Type Single Coil	Ultra high output, distortion class, accentuated low frequency pickup with ceramic magnets for "clearer" distortion.
<b>Sr (In K Hz):</b>	6.10	4.88
<b>Z (@ Sr in MOhms):</b>	1.7	5.6
<b>Inductance (In Henries):</b>	2.6	9.8
<b>Q (@ Sr):</b>	16.7	18.8
<b>Output Level (@ Sr):</b>	+48.9dB	+51.1dB
<b>Magnetic Structure:</b>	Alnico V	Ceramic
<b>Resistance (In KOhms):</b>	6.10	15.93



MODEL 3

BLACK







## MODEL 3A

### General Specifications

<b>Tremolo:</b>	Kahler® Fulcrum
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Pearl White, Red
<b>Control Functions:</b>	One Volume, One Tone, Type Two 5-Way Switch

### Pickup Specifications

<b>Model Number:</b>	<b>J80C (Two)</b>
<b>Description:</b>	High Output, Distortion class, humbucking with Ceramic Magnets for accentuated upper harmonics.
<b>Sr (In K Hz):</b>	5.40
<b>Z (@ Sr in MOhms):</b>	4.7
<b>Inductance (In Henries):</b>	7.3
<b>Q (@ Sr):</b>	19.1
<b>Output Level (@ Sr):</b>	+51.2dB
<b>Magnetic Structure:</b>	Ceramic
<b>Resistance (In KOhms):</b>	13.00

MODEL 3A

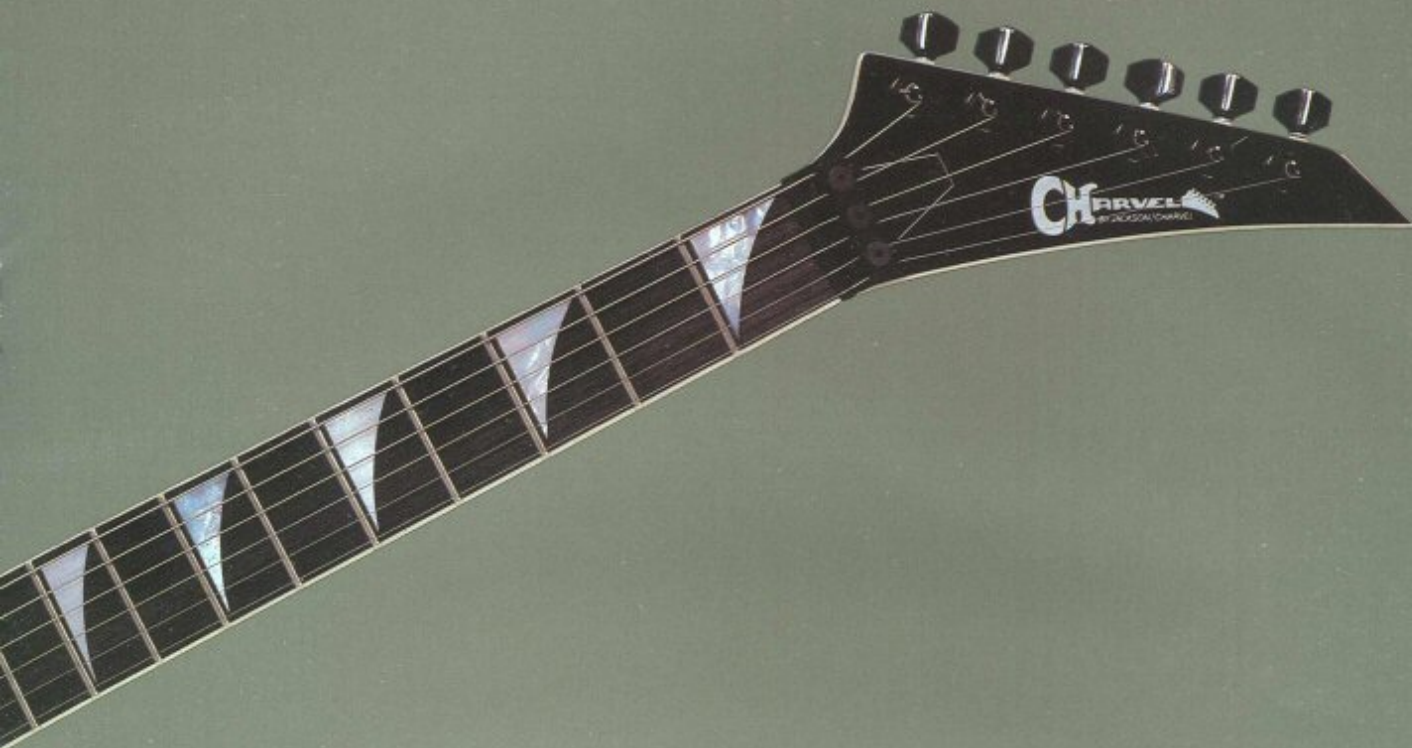
RED





MODEL 6  
PEARL WHITE





## MODEL 6

### General Specifications

<b>Tremolo:</b>	Kahler™ Standard
<b>Body Composition:</b>	Poplar
<b>Neck/Fingerboard Composition:</b>	Rock Maple through Body Neck/ Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07 B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	Rockwell C6/Brinell 171
<b>Hardness —</b>	.118 x .114 x .51 x .37
<b>Size —</b>	18% Nickel Silver
<b>Composition —</b>	Cobalt Blue, Black Cherry, Red, Pearl White, Black
<b>Finish Options:</b>	One Volume, One Tone, Jackson Pre-Amp with Mid Boost, Three 2-Way Mini-Toggles

### Pickup Specifications

<b>Model Number:</b>	<b>J200 (Two)</b>	<b>J50BC (One)</b>
<b>Description:</b>	Dual Coil, Bi-Level Hum-bucking. Designed for use with active circuitry.	Accentuated High frequency Bridge position Hum-bucking. Designed for use with active circuitry.
<b>Sr (In K Hz):</b>	9.90	6.58
<b>Z (@ Sr in MOhms):</b>	1.8	5.9
<b>Inductance (In Henries):</b>	2.4	5.3
<b>Q (@ Sr):</b>	12.6	2.64
<b>Output Level (@ Sr):</b>	+ 44.1dB	+ 56.4dB
<b>Magnetic Structure:</b>	Alnico V	Ceramic
<b>Resistance (In KOhms):</b>	11.65	8.58





## MODEL 4

### General Specifications

<b>Tremolo:</b>	Kahler® Standard
<b>Body Composition:</b>	Basswood
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Cobalt Blue, Red, Pearl White, Black Cherry
<b>Control Functions:</b>	One Volume, One Tone, Jackson Pre-Amp with Mid-Boost, Three 2-Way Mini-toggles

### Pickup Specifications

<b>Model Number:</b>	<b>J200</b> (Two)	<b>J508C</b> (One)
<b>Description:</b>	Dual Coil, Bi-level Hum-bucking. Designed for use with active circuitry.	Accentuated High frequency bridge position hum-bucking. Designed for use with active circuitry.
<b>Sr (In K Hz):</b>	9.90	6.58
<b>Z (@ Sr in MOhms):</b>	1.8	5.9
<b>Inductance (In Henries):</b>	2.4	5.3
<b>Q (@ Sr):</b>	12.6	26.4
<b>Output Level (@ Sr):</b>	+44.1dB	+56.4dB
<b>Magnetic Structure:</b>	Alnico V	Ceramic
<b>Resistance (In KOhms):</b>	11.65	8.58



# MODEL 4

COBALT BLUE







## MODEL 5

### General Specifications

<b>Tremolo:</b>	Kahler® Standard
<b>Body Composition:</b>	Poplar
<b>Neck/Fingerboard Composition:</b>	Rock Maple through Body Neck/ Quartersawn Rosewood
<b>Machine Heads:</b>	Jackson SG38-07B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Cobalt Blue, Red, Black Cherry, Pearl White, Black
<b>Control Functions:</b>	One Volume, One Tone, Jackson Pre-Amp with Mid-Boost, Type Two 5-Way Switch

### Pickup Specifications

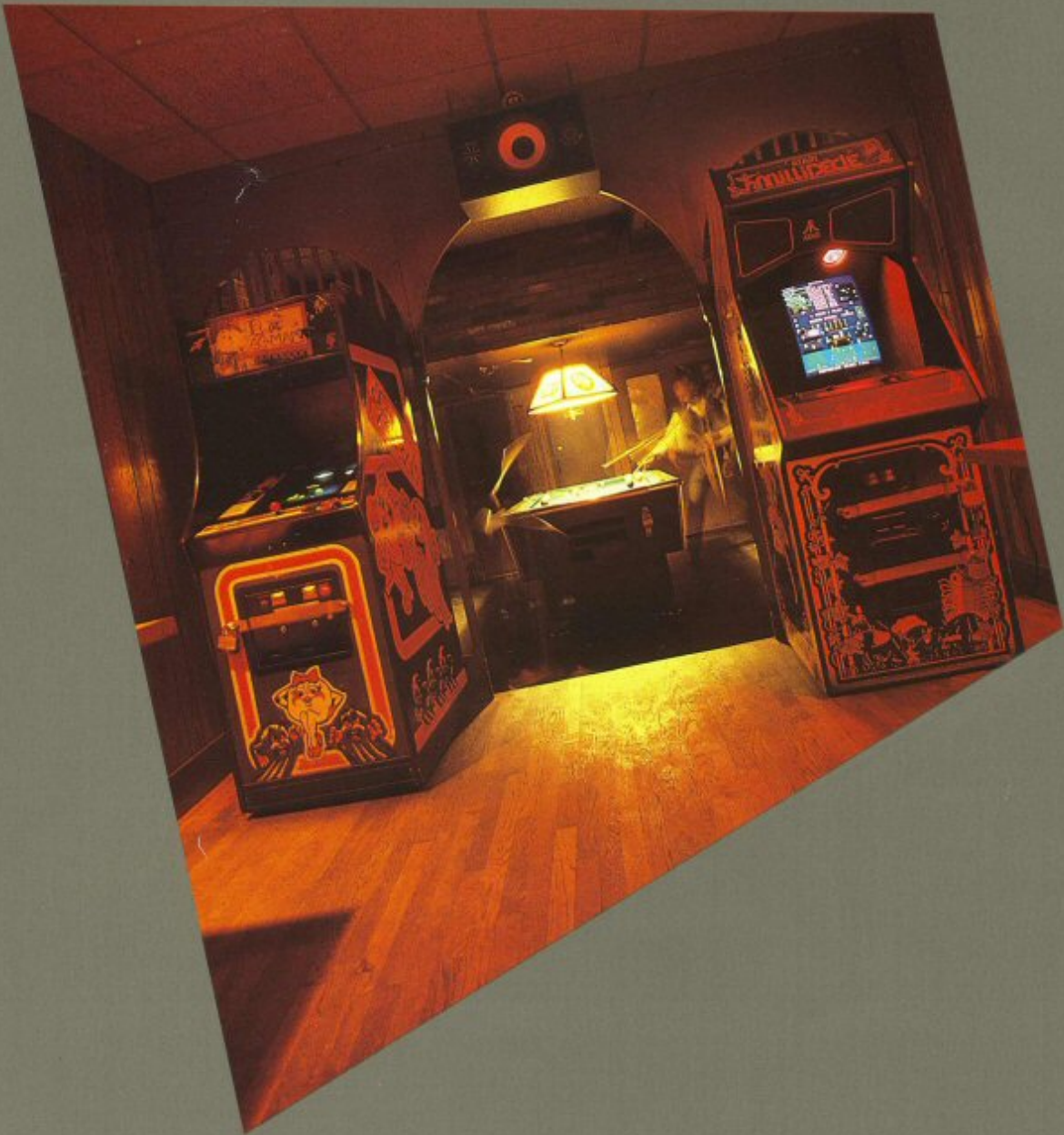
<b>Model Number:</b>	<b>J80C (Two)</b>
<b>Description:</b>	High Output, Distortion Class, Humbucking with Ceramic Magnets for accentuated upper harmonics.
<b>Sr (In K Hz):</b>	5.40
<b>Z (@ Sr In MOhms):</b>	4.7
<b>Inductance (In Henries):</b>	7.3
<b>Q (@ Sr):</b>	19.1
<b>Output Level (@ Sr):</b>	+ 51.2dB
<b>Magnetic Structure:</b>	Ceramic
<b>Resistance (In KOhms):</b>	13.00

MODEL 5

RED







## MODEL 1B

### General Specifications

<b>Tremolo:</b>	None
<b>Body Composition:</b>	Poplar
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Maple
<b>Machine Heads:</b>	Jackson GB7B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Black, Red
<b>Control Functions:</b>	One Volume, One Tone, Series/Parallel Mini-toggle

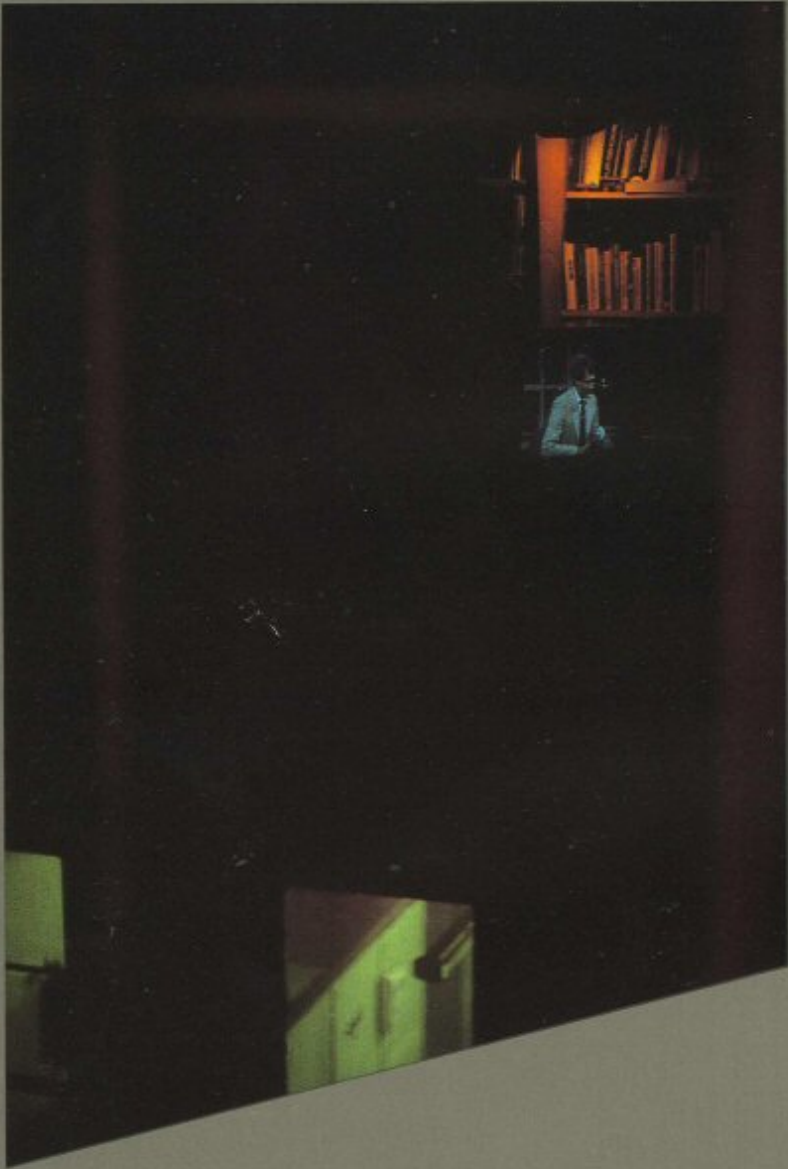
### Pickup Specifications

<b>Model Number:</b>	J40 (One)
<b>Description:</b>	Bridge Position Bass Humbucking, Accentuated Mid-Range frequencies.
<b>Sr (In K Hz):</b>	5.32
<b>Z (@ Sr in MOhms):</b>	4.5
<b>Inductance (In Henries):</b>	7.9
<b>Q (@ Sr):</b>	17.0
<b>Output Level (@ Sr):</b>	+49.2dB
<b>Magnetic Structure:</b>	Ceramic
<b>Resistance (In KOhms):</b>	15.5



MODEL 1B  
RED







## MODEL 2B General Specifications

<b>Tremolo:</b>	None
<b>Body Composition:</b>	Poplar
<b>Neck/Fingerboard Composition:</b>	Rock Maple/Quarter-Sawn Rosewood
<b>Machine Heads:</b>	Jackson GB7B
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Pearl White, Black, Red
<b>Control Functions:</b>	Master Volume, Pickup Balance Control with Center Detent, One Tone

## Pickup Specifications

<b>Model Number:</b>	<b>J20 (One)</b>	<b>J150 (One)</b>
<b>Description:</b>	Vintage Type, Single Coil, Magnetically- Corrected Bass Pickup for Mid Scale Positioning.	Magnetically- Corrected, Vintage Type, Copper Shielded, Single Coil Bass Pickup ideal for Bridge position.
<b>Sr (In K Hz):</b>	9.45	5.61
<b>Z (@ Sr In MOhms):</b>	13.7	1.6
<b>Inductance (In Henries):</b>	6.7	3.2
<b>Q (@ Sr):</b>	34.6	14.1
<b>Output Level (@ Sr):</b>	+ 61.6dB	+ 46.0dB
<b>Magnetic Structure:</b>	Alnico V	Alnico V
<b>Resistance (In KOhms):</b>	11.50	8.00

MODEL 2B

PEARL WHITE







## MODEL 3B General Specifications

<b>Tremolo:</b>	None
<b>Body Composition:</b>	Poplar
<b>Neck/Fingerboard Composition:</b>	Rock Maple through Body Neck/ Quarter-Sawn Rosewood Jackson GB7B
<b>Machine Heads:</b>	
<b>Fingerboard Nut Composition:</b>	Phenolic
<b>Fret Wire:</b>	
<b>Hardness —</b>	Rockwell C6/Brinell 171
<b>Size —</b>	.118 x .114 x .51 x .37
<b>Composition —</b>	18% Nickel Silver
<b>Finish Options:</b>	Pearl White, Black Cherry, Cobalt Blue, Red, Black
<b>Control Functions:</b>	One Volume, Jackson Pre-Amp with Bass and Treble Cut and Boost Knobs

## Pickup Specifications

<b>Model Number:</b>	<b>J20 (One)</b>	<b>J150 (One)</b>
<b>Description:</b>	Vintage Type, Single Coil, Magnetically- Corrected Bass Pickup for Mid- Scale Positioning.	Magnetically- Corrected, Vin- tage-Type, Copper Shielded, Single Coil Bass Pickup Ideal for Bridge positioning.
<b>Sr (In K Hz):</b>	9.45	5.61
<b>Z (@ Sr in MOhms):</b>	13.7	1.6
<b>Inductance (In Henries):</b>	6.7	3.2
<b>Q (@ Sr):</b>	34.6	14.1
<b>Output Level (@ Sr):</b>	+61.6dB	+46.0dB
<b>Magnetic Structure:</b>	Alnico V	Alnico V
<b>Resistance (In KOhms):</b>	11.50	8.00



MODEL 3B  
BLACK CHERRY

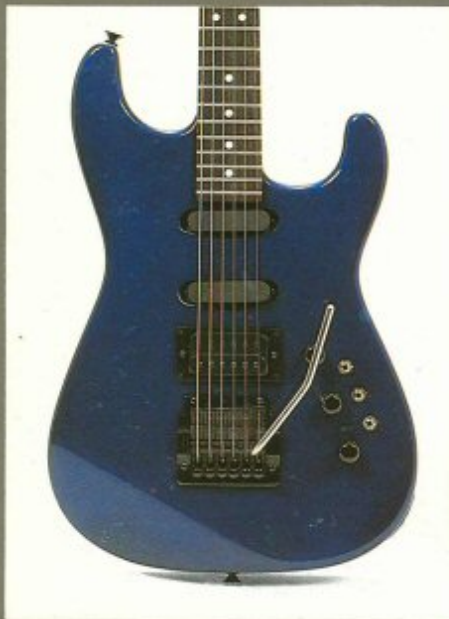


## SPECIFICATIONS OF ELECTRONICS

**JACKSON® GUITAR PRE-AMP WITH MID-BOOST . . .** The function of this Pre-Amp is to convert On-Board High Impedance Pickups to a low impedance system. The Pre-Amp also offers the flexibility of mid-range frequency boost (centered at 650 Hz) by +6dB. **JACKSON BASS PRE-AMP WITH ACTIVE EQ . . .** In addition to converting high impedance pickups to a low impedance system, this Pre-Amp also allows the user to boost or cut frequencies in the treble and bass range by  $\pm 12$ dB.

The center frequency of the bass is 40 Hz while the center frequency of the treble is 2,500 Hz. The benefits of a low impedance system is less noise and the ability to use long instrument cables with no high-end frequency loss. This system uses the latest in integrated circuit technology requiring only 380 Micro-amps of power from a 9-volt battery, thus providing longer battery life vs. conventional guitar pre-amp systems.

### MODEL 4 AND 6 CIRCUITRY



**Volume Control Knob** (Knob nearest to bridge pickup): For all pickup configurations.

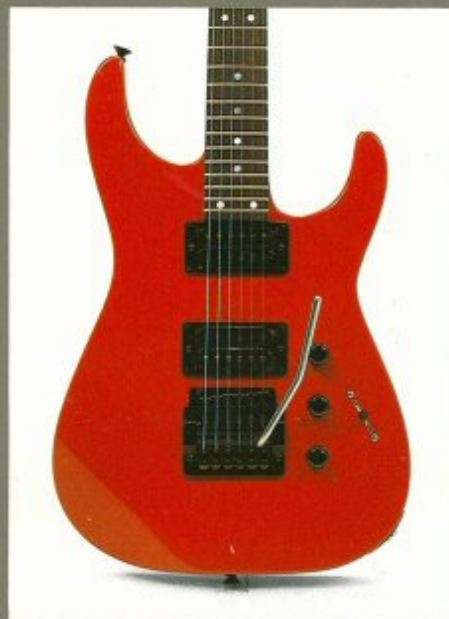
**Tone Control Knob** (middle position): Passive roll-off for all pickup configurations.

**Mid-Boost Knob:** 6dB Boost at 650 Hz for all pickup configurations.

#### Mini-Toggle Switches

3 Mini Toggle Switches are provided, each acting as a separate on/off switch for corresponding pickup.

### MODEL 5 CIRCUITRY



**Volume Control Knob:** Same as Model 4 and 6.

**Tone Control Knob:** Same as Model 4 and 6.

**Mid-Boost:** Same as Model 4 and 6.

**Type Two Five-Way Switch:** Pickup and Pickup Coil Selector Switch.

**#1 Position:** (position closest to fingerboard): front pickup.

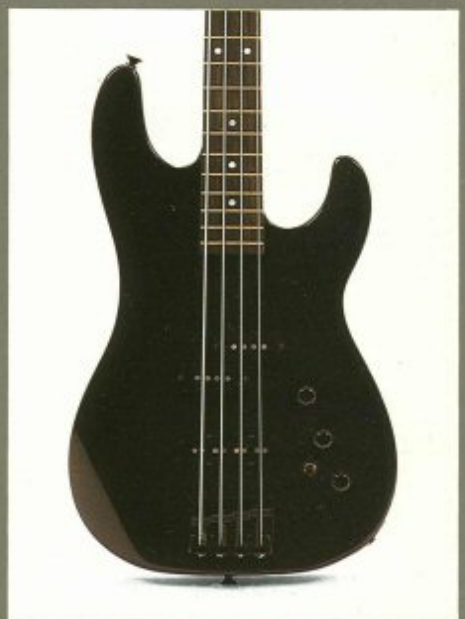
**#2 Position:** Back pickup.

**#3 Position:** Back coil of front pickup, front coil of back pickup.

**#4 Position:** Front coil of front pickup, back coil of back pickup.

**#5 Position:** Both pickups fully on.

### MODEL 3B CIRCUITRY



**Volume Control Knob** (Knob closest to fingerboard): Volume Control for all pickup configurations.

**Treble Control Knob:**  $\pm 12$ dB cut and boost at 2500Hz with center detent.

**Bass Control Knob:**  $\pm 12$ dB at 40 Hz with center detent.

## TRUSS RODS

Our exclusive "Dual action" Truss Rod truly functions to accurately adjust the neck and keep it straight. Due to the selection of proper materials, high strength welds, and correct threading, the Charvel system is the best Truss Rod available today!

## SHIELDING

Shielding the inside of the guitar for quiet operation is a vital process on all our instruments. Charvel guitars and basses all feature electronic cavities coated with shielding paint. A metal lug is then installed into the cavity and attached to grounds from the pickups. These features along with shielded pickguards make Charvel guitars true professional instruments.



## PICKUP SPECIFICATIONS

All Charvel Guitars and Bases are equipped with American made Jackson Pickups which are constructed with the highest quality materials available. As mechanical specifications are also of the utmost importance, we hold the tightest tolerances

possible. These mechanical specifications apply to both the manufacturing of the components and the assembly process. Each pickup goes through seven individual electronic tests during the assembly process.

Model Number	Description	Sr (In K Hz)	Z [@ Sr in MOhms)	Inductance (In Henries)	Q [@ Sr)	Output Level (@ Sr)	Magnetic Structure	Resistance (In KOhms)
J20	Vintage type, single coil, magnetically-corrected bass pickup for mid-scale positioning	9.45	13.7	6.7	34.6	+ 61.6dB	Alnico V	11.50
J40	Bridge position Bass humbucking. Accentuated mid-range frequencies	5.32	4.5	7.9	17.0	+ 49.2dB	Ceramic	15.5
J50BC	Accentuated high frequency bridge position humbucking designed for use with active circuitry	6.58	5.9	5.3	26.4	+ 56.4dB	Ceramic	8.58
J200	Dual coil, bi-level humbucking. Designed for use with active circuitry	9.90	1.8	2.4	12.6	+ 44.1dB	Alnico V	11.65
J90	Ultra high output, distortion class, accentuated low frequency, bridge position humbucking, ideally suited for heavier bodies	4.70	6.1	10.5	19.6	+ 51.7dB	Alnico V	15.93
J90C	Similar to J90 but uses ceramic magnets for "clearer" distortion	4.88	5.6	9.8	18.8	+ 51.1dB	Ceramic	15.93
J100	Magnetically corrected, Vintage-type, single coil	6.10	1.7	2.6	16.7	+ 48.9dB	Alnico V	6.10
J150	Magnetically-corrected, Vintage-type, copper shielded, single coil Bass pickup ideal for bridge positioning	5.61	1.6	3.2	14.1	+ 46.0dB	Alnico V	8.00
J80C	High output, distortion class, bridge position humbucking with ceramic magnets for accentuated upper harmonics	5.40	4.7	7.3	19.1	+ 51.2dB	Ceramic	13.00

## GLOSSARY OF PICKUP TERMINOLOGY

<b>Sr</b>	<b>SELF-RESONANT FREQUENCY.</b> Specifies frequency at which the pickup is most sensitive and at which frequency the pickup delivers its highest output level when loaded with ten picofarads of capacitance, in parallel with one hundred Mega ohms. (Mega = Million, Kilo = Thousand)	<b>MAGNET STRUCTURE</b>	<b>Composition of the magnetic materials.</b> The Alnico name, for example, is derived from <b>AL</b> uminum, <b>NI</b> ckle, and <b>CO</b> balt, which are the three major elements in its composition. The sonic difference between Ceramic and the Alnico magnets is that Alnico, because of its higher metallic content, produces more energy in the lower frequency region which translates into a "warmer" sound.	<b>Q</b>	<b>QUALITY FACTOR/ BANDWIDTH.</b> Slope of the output decay above and below the frequency of Sr. As the Q number increases, the rate of decay of the slope increases also, which yields a more narrow bandwidth. The lower the Q factor, the lower the output level but the wider the bandwidth of the pickup.
<b>Z</b>	<b>IMPEDENCE.</b> Is the total opposition, both resistive (D.C.) and reactive (A.C.) to the flow of current.				
<b>OUTPUT LEVEL</b>	<b>Voltage or output measurement</b> using the ratio of output voltage of the pickup at OHz to the output voltage of the pickup at any given frequency, in this case, Sr.				

Specifications subject to change without notice



THE CHARVEL GUITAR COMPANY • P.O. Box 2344, Fort Worth, TX 76113

*...are Lasting Impressions...*

\$5.00