

EICO Introduces

"cortina"

The Industry's
Lowest Priced
TOTAL PERFORMANCE
SOLID STATE
STEREO COMPONENTS

cortina

HIGH FIDELITY AUTHORITIES AGREE:
Cortina's engineering excellence, 100% capability, and compact dramatic esthetics all add up to **TOTAL STEREO PERFORMANCE** at lowest cost.

POPULAR SCIENCE Magazine Says:
"The EICO Cortina Series are low-cost audio components that look and sound like high cost components"

HIRSCH-HOUCK LABS Says:
"We can't think of a better value in High Fidelity Amplifiers."

ELECTRONICS WORLD Magazine Says:
"Its quality (Cortina 3200) was indistinguishable from that of several far more expensive tuners, and it pulled in a full complement of stations with quiet backgrounds, low distortion, and non-critical tuning."

"cortina" The Industry's lowest



EICO "Cortina" 3070 All Silicon Solid State 70 Watt Stereo Amplifier

Versatile Enough For The Audophile, Simple Enough For The Beginner!

- Powerful new silicon solid state stereo amplifier at an exceptionally low price.
- Extremely compact "low silhouette" design ideally suited for bookshelf or cabinet installations. ■ Price includes vinyl clad danish walnut cabinet.
- Full complement of controls for every source.

Kit \$99.95

Wired \$139.95



Driver PC Board.



Phono Input Amplifier PC Board.



Preampifier PC Board.



Miniature Rocker Switches - custom molded to enhance the low, modern "Cortina" Design

The amplifier that has changed people's thinking about what quality stereo prices should be. Here is the natural transparency of transistor sound; 70-watts of reserve power for easy, smooth handling of transient bursts of power; the ruggedness and long life of all-silicon solid-state; completeness of control and amplification; a new compactness clothed in a styling of quiet, graceful luxury - in a word, **total performance** - all at a price unheard of until now.

- Cool-running, hum-free, non-microphonic **all-silicon** solid-state design. 18 all-silicon transistors plus 12 all-silicon rectifiers.
- New bookshelf compactness (3 1/4" high, 12" wide, 7 1/4" deep). Esthetically striking design in Danish walnut vinyl cabinet and pale gold front panel in a graceful "low silhouette" configuration.
- Complete control facilities: tape monitor, loudness contour, low and high cut filters, balance control, and speaker systems switch.
- Wide dynamic range undistorted amplification with exceptionally low noise, and maximum freedom from overload.
- 70 watts and 50 watts IHF Music Power with 4 or 8 ohm speakers, respectively.
- Preservation of natural sound: low distortion, variable

inflection feedback tone controls (in Baxandall circuit configuration) permit cut or boost at the extremes of the range without affecting the mid-range or volume level.

- Perfect, natural filter action: low and high cut filters wholly independent of the tone control action provide controlled amounts of attenuation at the low and high ends of the spectrum for most effective rumble and scratch elimination.
- No output or interstage transformers: this permits the wide frequency range power amplifiers and their complementary drivers to deliver unrestricted bass response and perfectly controlled transient response.
- Elimination of transistor failure is assured by the excellence of the rugged silicon transistors and the built-in stability inherent in the very design of the output stages. Protective circuits with their unavoidable attendant compromise of circuit performance, are therefore unnecessary.
- Simplified Kit Assembly: through advanced techniques in modular circuitry each channel uses three etched printed circuit bonded module boards each for phono amplifier; tone control/preamplifier; and driver. Only the output transistors are mounted directly on the chassis. The result is a new high in flexibility and interchangeability.

SPECIFICATIONS

TOTAL MUSIC POWER: 70W into 4Ω load; 50W into 8Ω load. FREQUENCY RESPONSE: ±1.5db 5Hz to 100kHz; ±0.5db 8Hz to 60kHz. HARMONIC DISTORTION: less than 0.2%. HUM & NOISE: 72db below rated output. CHANNEL SEPARATION: 50db. INPUT SENSITIVITY: 4.2mV on magnetic phono input; 270mV on other inputs. POWER BANDWIDTH: 10Hz to 40kHz. DAMPING FACTOR WITH 8Ω LOAD: minimum 30. RISE TIME: 4usec. TONE CONTROLS ACTIONS: treble control ±15db at 10kHz; bass control ±15db at 50Hz; low (rumble) filter -5db at 50Hz; high (scratch) filter -7db at 10kHz. RANGE OF BALANCE CONTROL: 23db. RIAA EQUALIZATION: ±0.5db 30Hz to 15kHz. RMS OUTPUT POWER: 40W into 4Ω; 30W into 8Ω; 16W into 16Ω (total continuous). THD DISTORTION WITH 8Ω LOAD: less than 2% at full power, less than 1% at 8W per channel. INPUT IMPEDANCE: 47KΩ on magnetic phono input; 110KΩ minimum on other inputs. INPUTS: magnetic phono, tuner, tape, auxiliary. OUTPUTS: a) Two stereo speaker systems with impedances of 4Ω, 8Ω or 16Ω; b) Tape recorder output (not affected by controls setting); c) Stereo headphones jack on front panel for all low impedance headphones (protective resistance is provided internally in the amplifier). POWER REQUIREMENTS: 30W no signal at 105-130 VAC; 75W at full output (100W with 4Ω loads.) AC RECEPTACLES: one switched, one unswitched. SIZE (HWD): 3 1/8" x 12" x 7 1/4". WEIGHT: 7 1/2 lbs.

★ Export Model available

UL APPROVED

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Cortina's engineering excellence, 100% capability, and compact dramatic esthetics all add up to **TOTAL STEREO PERFORMANCE** at lowest cost.

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EICO "Cortina" 3070 All Silicon Solid State 70 Watt Stereo Amplifier

Versatile Enough For The Audophile, Simple Enough For The Beginner!

- Powerful new silicon solid state stereo amplifier at an exceptionally low price.
- Extremely compact "low silhouette" design ideally suited for bookshelf or cabinet installations. ■ Price includes vinyl clad danish walnut cabinet.
- Full complement of controls for every source.

Kit \$99.95

Wired \$139.95



Driver PC Board.



Phono Input Amplifier PC Board.



Preamplifier PC Board.



Miniature Rocker Switches - custom molded to enhance the low, modern "Cortina" Design

The amplifier that has changed people's thinking about what quality stereo prices should be. Here is the natural transparency of transistor sound; 70-watts of reserve power for easy, smooth handling of transient bursts of power; the ruggedness and long life of all-silicon solid-state; completeness of control and amplification; a new compactness clothed in a styling of quiet, graceful luxury - in a word, **total performance** - all at a price unheard of until now.

- Cool-running, hum-free, non-microphonic **all-silicon** solid-state design. 18 all-silicon transistors plus 12 all-silicon rectifiers.
- New bookshelf compactness (3 1/4" high, 12" wide, 7 1/4" deep). Esthetically striking design in Danish walnut vinyl cabinet and pale gold front panel in a graceful "low silhouette" configuration.
- Complete control facilities: tape monitor, loudness contour, low and high cut filters, balance control, and speaker systems switch.
- Wide dynamic range undistorted amplification with exceptionally low noise, and maximum freedom from overload.
- 70 watts and 50 watts IHF Music Power with 4 or 8 ohm speakers, respectively.
- Preservation of natural sound: low distortion, variable

inflection feedback tone controls (in Baxandall circuit configuration) permit cut or boost at the extremes of the range without affecting the mid-range or volume level.

- Perfect, natural filter action: low and high cut filters wholly independent of the tone control action provide controlled amounts of attenuation at the low and high ends of the spectrum for most effective rumble and scratch elimination.
- No output or interstage transformers: this permits the wide frequency range power amplifiers and their complementary drivers to deliver unrestricted bass response and perfectly controlled transient response.
- Elimination of transistor failure is assured by the excellence of the rugged silicon transistors and the built-in stability inherent in the very design of the output stages. Protective circuits with their unavoidable attendant compromise of circuit performance, are therefore unnecessary.
- Simplified Kit Assembly: through advanced techniques in modular circuitry each channel uses three etched printed circuit bonded module boards each for phono amplifier; tone control/preamplifier; and driver. Only the output transistors are mounted directly on the chassis. The result is a new high in flexibility and interchangeability.

SPECIFICATIONS

TOTAL MUSIC POWER: 70W into 4 Ω load; 50W into 8 Ω load. FREQUENCY RESPONSE: ± 1.5 db 5Hz to 100kHz; ± 0.5 db 8Hz to 60kHz. HARMONIC DISTORTION: less than 0.2%. HUM & NOISE: 72db below rated output. CHANNEL SEPARATION: 50db. INPUT SENSITIVITY: 4.2mV on magnetic phono input; 270mV on other inputs. POWER BANDWIDTH: 10Hz to 40kHz. DAMPING FACTOR WITH 8 Ω LOAD: minimum 30. RISE TIME: 4usec. TONE CONTROLS ACTIONS: treble control ± 15 db at 10kHz; bass control ± 15 db at 50Hz; low (rumble) filter -5db at 50Hz; high (scratch) filter -7db at 10kHz. RANGE OF BALANCE CONTROL: 23db. RIAA EQUALIZATION: ± 0.5 db 30Hz to 15kHz. RMS OUTPUT POWER: 40W into 4 Ω ; 30W into 8 Ω ; 16W into 16 Ω (total continuous). THD DISTORTION WITH 8 Ω LOAD: less than 2% at full power, less than 1% at 8W per channel. INPUT IMPEDANCE: 47K Ω on magnetic phono input; 110K Ω minimum on other inputs. INPUTS: magnetic phono, tuner, tape, auxiliary. OUTPUTS: a) Two stereo speaker systems with impedances of 4 Ω , 8 Ω or 16 Ω ; b) Tape recorder output (not affected by controls setting); c) Stereo headphones jack on front panel for all low impedance headphones (protective resistance is provided internally in the amplifier). POWER REQUIREMENTS: 30W no signal at 105-130 VAC; 75W at full output (100W with 4 Ω loads.) AC RECEPTACLES: one switched, one unswitched. SIZE (HWD): 3 1/8" x 12" x 7 1/4". WEIGHT: 7 1/2 lbs.

★ Export Model available

UL APPROVED

priced TOTAL PERFORMANCE STEREO



EICO "Cortina" 3200 All Solid State FM/MPX Automatic Stereo Tuner

*A Low Cost Stereo Tuner With Advanced Features
For Superb Performance!*

- An outstanding new solid state FM Stereo Tuner value!
- Perfect companion to Cortina 3070 Stereo Amplifier.
- Price includes vinyl clad danish walnut cabinet.
- Preassembled front end, multiplex, IF's.

Kit	\$99.95

Wired	\$139.95

FM Stereo Indicator
lights automatically
on stereo broadcast



Prewired, prealigned
MPX circuit board



Prewired, prealigned
4-stage FM IF strip



Prewired, prealigned
FM RF "Front-End"

Here's the **mind-changer** in stereo tuners. The quiet, crystal-clear transparency of all-transistor design; latest wideband circuitry for maximum sensitivity, selectivity, separation and stability; filtered outputs for direct beat-free "off-the-air" tape recording; completeness of operating features; Cortina styling that delights the eye; and versatility of installation—everything you want in a quality stereo tuner, at a price considered unbelievable until EICO did it.

Risk-free Simplified Kit Assembly: Since the RF, IF and Multiplex circuitry are all supplied completely assembled and pre-aligned — the kit-builder does not build or adjust any part of these critical circuits. Only the non-critical power supply circuits are to be wired by the kit builder. You need no special skills or knowledge to build this beautiful kit.

- All-Solid-State Circuitry. The semiconductor complement comprises 13 transistors, 8 diodes, 2 rectifiers.
- Comprehensive Multi-Stage Front Ends. As found in tuners costing \$200 and more, the Cortina 3-transistor front end contains 2 RF stages and 5 tuned circuits. All this is coupled to a 4-stage double-tuned IF circuit. The result is excellent tuner performance and reliability; high sensitivity (2.4uV for 30db quieting-IHF Standard); and excellent rejection of all interference, such as image, IF and spurious, with no overloading. A strong local signal will not "blanket" the dial, so you won't

need either 2 sets of antenna terminals for "local, strong" or "distant, weak" stations, or an antenna switch.

- New automatic time-switching transistor multiplex circuitry achieves excellence of channel separation (40db) and completely filters out all types of interference.
- Noiseless, purely electronic automatic switching between FM Stereo and FM Mono is controlled by the pilot frequency in the broadcast signal; with defeat switch.
- Manual mono-stereo switching does not disturb performance of the stereo indicator indicating stereo stations regardless of the position of the switch.
- D'Arsonval tuning meter gives **exact** tuning indication — because it responds to the strength of the received signal.
- Exactly right AFC pull-in range permits you to tune in stereo stations with ease and then defeat; can be defeated for tuning in the weakest stations.
- Driftless performance; once tuned in to the station you want, the 3200 stays precisely tuned without AFC.
- Transformer-operated power supply with silicon diode rectifiers for heat-free long life.
- Low output impedance output stages prevent cable losses.
- New bookshelf compactness (3 1/4" high, 12" wide, 7 1/4" deep). Esthetically striking design in Danish walnut vinyl cabinet and pale gold front panel in a graceful "low silhouette" configuration.

SPECIFICATIONS

USABLE SENSITIVITY IHF: 2.4uV for 30db quieting. CHANNEL SEPARATION: 40db at 1kHz. HARMONIC DISTORTION: less than 0.75%. CAPTURE RATIO: 4.5db. SIGNAL-TO-NOISE RATIO: 60db. IMAGE REJECTION: 45db. IF REJECTION: 80db. SPURIOUS RESPONSE REJECTION: 80db. SELECTIVITY: 45db. FULL LIMITING: 4uV. 19KC SUPPRESSION: 40db. 38KC SUPPRESSION: 50db. SCA SUPPRESSION: 50db. AUDIO FREQUENCY RESPONSE: ±1db 20Hz to 15kHz. AM SUPPRESSION: 40db. HUM: 70db below output. OUTPUT IMPEDANCE: 5000 ohms. ANTENNA INPUT: 300Ω balanced. SEMICONDUCTOR COMPLEMENT: 13 transistors, 8 diodes, 2 rectifiers. POWER REQUIREMENT: 5W maximum 105-130 VAC. SIZE (HWD): 3 1/4" x 12" x 7 1/4". WGT. 7 lbs.

★ Export Model available

NEW! CORTINA® DELUXE PHONO/FM STEREO RECEIVER COMPACT KIT

only \$239.95



- Famous Cortina® Stereo FM quality in a "space saving" compact.
- Garrard automatic turntable—and custom deluxe walnut enclosure are factory assembled—you build only the FM receiver.

The Cortina 3570 Solid-State 70-Watt Stereo FM Receiver, plus Famous Garrard 4-speed Synchro-Lab Automatic Record Changer, plus Magnetic Stereo Cartridge with Diamond Needle, and all coordinated in one beautifully crafted oiled walnut cabinet specifically designed for this purpose . . . all for less than you'd pay for the units separately.

When installation space is limited—but you don't want that to limit the high-fidelity capability of your equipment—then the 3570MS is for you. It incorporates exactly the identical full-capability, solid-state, editorially-praised 3570 Receiver that's described on preceding pages. The total compact system fits anywhere, beautifies the decor of any room.

CIRCUITRY: The full-capability, Cortina 3570 Solid-State, 70-Watt FM Stereo Receiver; see page 6.

TURNTABLE: Garrard Automatic Synchro-Lab Model: Very low mass tone arm resists jarring, tracks even badly warped records; high-precision motor for speed accuracy.

CARTRIDGE: Magnetic with Diamond Needle, the finest for superlative performance and minimum record wear.

CABINTRY: Finest grade, hardwood with oiled walnut finish; factory fabricated to fit the components above.

SIZE: (HWD) 6" x 17" x 15".

Now you can enjoy CORTINA music listening performance in a compact package at a budget price. **Easy-To-Build Kit \$239.95—Factory Assembled \$329.95.**

EICO SPEAKER SYSTEMS



Wired only, \$49.95

EICO HFS-8 2-WAY SPEAKER

The two speakers are an 8" cloth bellows suspension, high-gap energy woofer-midrange transducer, and a matched 2" tweeter. The bass reflex cabinet has an internal duct behind the port to tune the enclosure to the low 55 cps resonance of the woofer and thereby further reduce distortion. The 2" tweeter provides remarkably smooth coverage with excellent "spread" for the high frequencies so important to stereo.

High efficiency permits use with low power amplifiers, but amplifiers of any power may be used if adjusted to reasonable volume levels. Oil-finished walnut.

SPECIFICATIONS

2 SPEAKERS: 8" woofer with 8.1 oz. slug magnet, 10,500 gauss flux density; 2" tweeter with 1 oz. slug magnet, 10,000 gauss flux density. **POWER HANDLING CAPACITY:** 25 watts on peaks of music or speech (per channel stereo). **CROSS-OVER:** Approximately 4000 cycles. **RATED IMPEDANCE:** 8 ohms. **FREQUENCY RESPONSE:** ±5 db 50 to 15,000 cycles. **SIZE (HWD):** 13" x 22½" x 6½". **WEIGHT:** 17 lbs.



Wired only
\$29.95

EICO HFS-10 2-WAY SPEAKER

Two speakers are a 6½" low resonance, high-gap energy woofer-midrange transducer (5 oz. slug magnet, 11,000 gauss flux density), and a matched 2" tweeter. Excellent woofer damping and rigid cabinet construction provide full bass without boom. High efficiency permits use with low power amplifiers, but amplifiers having up to 18-watts music power per channel may be used, if adjusted to reasonable volume levels. Ideal for narrow shelf placement or wall mounting. Oil-finished walnut.

SPECIFICATIONS

2 SPEAKERS: 6½" woofer with 5 oz. slug magnet, 2" tweeter. **POWER HANDLING CAPACITY:** 18 watts on peaks of music or speech (per channel stereo). **CROSS-OVER:** Approximately 4000 cycles. **RATED IMPEDANCE:** 8 ohms. **FREQUENCY RESPONSE:** ±6 db 60 to 15,000 cycles. **SIZE (HWD):** 12" x 18" x 5½". **WEIGHT:** 11 lbs.

New! For the Audio Perfectionist.



EICO "Cortina" 3150 All Silicon Solid State 150 Watt Stereo Amplifier

Expressly designed to satisfy the most discriminating Hi-Fi enthusiast!

- Delivers a full 150 watts music power
- Distortion less than 0.15% at rated output
- New automatic short circuit protection for speakers and transistors
- Ideally suited compact design for bookshelf or cabinet installations

Kit \$149.95

Wired \$225.00

Price includes vinyl clad danish walnut cabinet.

High fidelity authorities agree: The Cortina 3070 is the greatest stereo amplifier value for the money. Then why did we design the 3150? Because audiophiles who wanted **even more reserve power** asked us to. Now . . . only EICO gives you so much clean stereo power—plus complete preamplifier control facilities—at the industry's lowest price.

The 3150 comprises two wide-range preamplifiers and two power amplifiers, all on one unusually compact chassis. It can drive with unblemished fidelity, two sets of stereo speakers, a tape recorder and stereo headphones from all program sources, giving rise to stunning naturalism. In concept, design and construction the 3150 is everything the hi-fi enthusiast could ask for. The unexpected low price—a distinct Cortina attribute—is a unique EICO dividend.

FEATURES

1. Advanced engineering in **all-silicon** solid state circuitry: virtually no hum or distortion. 4 heat sinked and individually protected output transistors provide 75 watts per channel.

2. Ten versatile control facilities—volume, balance, full range bass and treble controls, Input Selector (Phono, Tuner, Aux.), tape monitor, loudness contour, low and high cut filters and speakers system selector switches.

3. **Transformless driver and output stages:** peaks, transients and power bursts are reproduced with a new natural penetration uninhibited by inductive delays; audible phase shift and frequency distortion virtually vanish. Essentially distortion-free amplification: with both channels driven to rated output, harmonic distortion is less than 0.15%, intermodulation distortion is less than 1%.

4. New all-electronic circuit protects transistors and speakers from overloads and shorts.

5. Esthetically matched to Cortina Tuner 3200: handsome pale gold front panel, Danish walnut vinyl-clad cabinet.

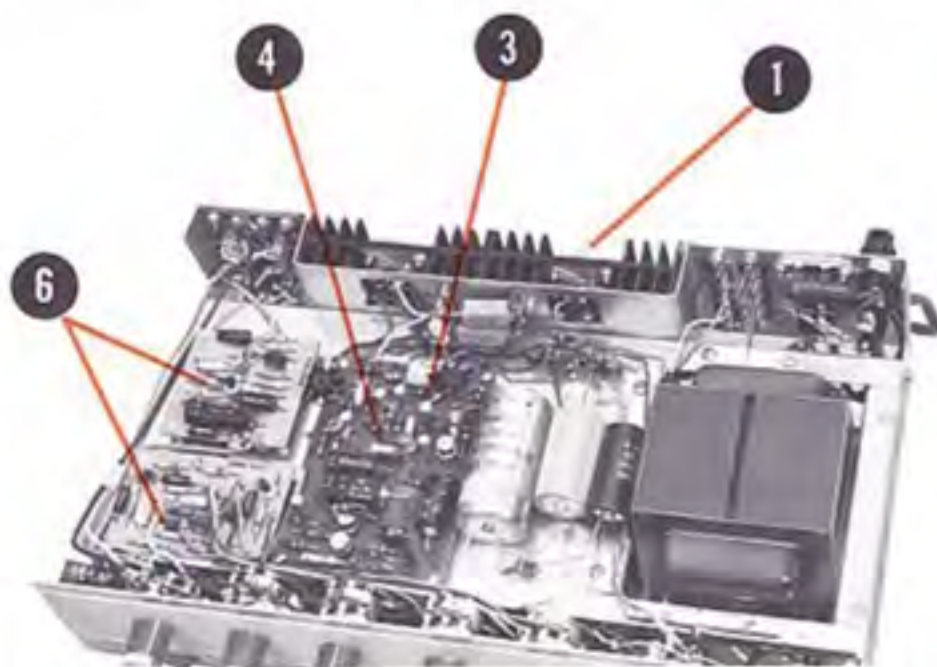
6. **Simplified Kit Assembly:** The advanced modular circuitry techniques that proved so popular with the 3070 and 3200 are employed in the 3150.

Result—no other kits are as easy to build as Cortina.

SPECIFICATIONS

TOTAL MUSIC POWER: 150W into 4 ohm load; 97W into 8 ohm load. **FREQUENCY RESPONSE:** ± 1.5 db 10Hz to 30kHz. **HARMONIC DISTORTION:** less than 0.15%. **HUM AND NOISE:** 75db below rated output. **CHANNEL SEPARATION:** 50 db. **INPUT SENSITIVITY:** 4.7mV on magnetic phono input; 280mV on other inputs. **POWER BANDWIDTH:** 20Hz to 30kHz. **DAMPING FACTOR WITH 8 ohm LOAD:** More than 35. **RISE TIME:** 3.5 usec. **TONE CONTROLS ACTIONS:** treble control ± 15 db at 10kHz; bass control ± 15 db at 50 Hz; low (rumble) filter -6 db at 50Hz; high (scratch) filter -7 db at 10kHz. **RANGE OF BALANCE CONTROL:** 17db. **RIAA EQUALIZATION:** ± 0.5 db 30Hz to 15kHz. **RMS OUTPUT POWER:** 100W into 4 ohm, 80 into 8 ohm; 50W into 16 ohm (total continuous). **IM DISTORTION WITH 8 ohm LOAD:** less than 1% at full power. **INPUT IMPEDANCE:** 47k ohm on magnetic phono input; 110k ohm minimum on other inputs. **INPUTS:** magnetic phono, tuner, tape, auxiliary. **OUTPUTS:** a) Two stereo speaker systems with impedances of 4 ohm, 8 ohm or 16 ohm; b) Tape recorder output (not affected by controls setting); c) Stereo headphones jack on front panel for all low impedance headphones (protective resistance is provided internally in the amplifier). **POWER REQUIREMENTS:** 22W no signal at 105-130 VAC; 200W at full output (450W with 4 ohm loads). **AC RECEPTACLES:** one switched, one unswitched. **SIZE (HWD):** 3 1/4" x 14 1/4" x 8 1/4". **WEIGHT:** 16 1/2 lbs.

*Export Model available



ELECTRONICS WORLD
Magazine Says:

"The 3570 worked perfectly in our listening tests. Its sensitivity is more than adequate for most listening locations, and the tuner is completely free from fussiness or critical tuning requirements. The sound is as clean as could be desired.

We particularly appreciated its small size, which allows installation on bookshelves of standard depth."



EICO "Cortina" 3570 All Solid State 70 Watt FM Stereo Receiver

Enjoy Famous EICO Quality & Performance at a New Low Price
with this "EASY-TO-ASSEMBLE" KIT!

- EICO's new powerful Solid State Receiver
- Silicon Transistor Output and Driver Stages
- Outstanding Stereo FM performance in any signal area
- Pre-assembled and pre-aligned RF, IF and MPX sections

Kit \$169.95

Wired \$259.95

Price includes vinyl clad danish walnut cabinet.

The Cortina design philosophy — total solid state stereo performance at lowest cost — is nowhere more beautifully expressed than in the new 3570 Stereo Receiver.

While exhibiting all the virtues of the Cortina 3070 full-capability Stereo Amplifier and the Cortina 3200 precision Stereo FM Tuner, the Receiver is far more than an additive summary of the two.

EICO engineers have designed-in extra margins of safety by means of extra-rugged parts. The tuner and amplifier are each laid out side by side, neatly and spaciouly, even to the extent that each is given its own separate power transformer! You'll look a long time until you find a receiver wherein this is done!

Just as the Cortina Stereo Tuner and Stereo Amplifier are the mind changers in their respective classes, we unhesitatingly say to you: Compare the new 3570 with any expensive receiver. Look at the esthetics, the controls, the circuitry. You be the judge as to who gives you the most for your money.

THE RECEIVER AS A KIT IS EASY TO BUILD

The FM Tuner section has RF, IF and Multiplex sections all pre-assembled and pre-aligned — you build only the power supply. The amplifier goes together easily on its several printed circuit boards.

THE FM TUNER SECTION

- 13 transistors, 8 diodes and 2 rectifiers are employed in advanced solid state circuitry for maximum performance.
- The Front End comprises 2 RF stages and 5 tuned circuits for high selectivity and sensitivity, coupled to the 4-stage double-tuned IF for high reliability and excellent interference rejection.
- Both strong local stations and weak distant stations are handled with equal ease and without need for an antenna switch or 2 sets of antenna terminals.
- Channel Separation is excellent, achieved by new automatic time-switching transistor multiplex circuitry.
- Automatic Electronic Switching between FM Stereo and FM Mono is controlled by the pilot frequency in the broadcast signal; a defeat switch is included.

■ Exact Tuning Indication results from having the sensitive D'Arsonval tuning meter respond to the strength of the received FM signal.

■ Automatic Frequency Control permits easy tuning; a defeat switch is included for tuning the very weakest stations.

■ High-Reliability Power Supply is transformer-operated, utilizing long-life silicon diodes.

THE 70-WATT STEREO AMPLIFIER SECTION

- Total Capability of both control and amplification in a modern all silicon solid state design.
- 18 silicon transistors and 12 silicon rectifiers provide high reliability — cool, hum-free, non-microphonic operation.
- Total Control Facilities: tape monitor, loudness contour, low and high cut filters, balance control, and speaker systems switch.
- Plenty of Power: 70 watts and 50 watts IHF power respectively with 4-ohm or 8-ohm speakers.
- Baxandall Tone Control Circuits assure full cuts and boosts without disturbing the mid-range.
- Low and high Cut Filters are independent of the tone controls and effectively eliminate rumble and scratch.
- Unrestricted Bass Response and Transient Response is assured by elimination of inherently less responsive output transformers.
- Transistor Failure is prevented by the exceptionally stable design and the ruggedness of the silicon transistors themselves.

SPECIFICATIONS

AMPLIFIER/PREAMPLIFIER SECTION — same as Cortina 3070 All Silicon Solid State 70-Watt Stereo Amplifier.

FM-MPX TUNER SECTION — same as Cortina 3200 Solid State FM Stereo Tuner.

SIZE (HWD): 4 1/2" x 16" x 9". WEIGHT: 14 lbs.

★ Export Model available



NEW!

EICO "Cortina" 3770 All Solid State 70 Watt AM-FM Stereo Receiver

- Professional rock-stable stereo FM receiver performance in the Cortina tradition
- Precision AM performance with noteworthy selectivity and sensitivity
- Powerful 70-watt silicon solid state amplifier

Kit \$189.95

Wired \$279.95

Price includes vinyl clad danish walnut cabinet.

Why should an audiophile be concerned about AM reception? Without question, FM (and especially automatic stereo FM, as offered here and in the Cortina 3570 receiver) is the far superior mode for high fidelity listening. But, there still are reasons for incorporating a professional AM facility: Some hi-fi enthusiasts, for example, live in areas where only a small number of FM stations are operating. Or, you might want to tune in on a particular program of music, news, drama, etc. that your local newspaper lists as being broadcast on AM only. While AM, as a broadcasting technique, doesn't provide the kind of full-fidelity an FM station does; the professional AM tuner in the 3770 will pleasantly surprise you with its fine sound

— especially in contrast with an ordinary AM radio!

That's why the 3770 was designed. It's directly in the Cortina engineering tradition of "Total Stereo Performance at Lowest Cost." It's a full-capability, full-feature professional solid-state, 70-watt stereo receiver that's got everything — sounds great on FM or AM, and is ruggedly engineered to give you a lifetime of trouble-free listening pleasure.

Like the Cortina 3570, the 3770 is easy to build: all RF, IF, Multiplex sections are supplied factory pre-assembled and pre-aligned. SIZE (HWD): 4 1/4" x 16" x 9". WEIGHT: 14 lbs.

EICO "Cortina" WE-78 De-Luxe Walnut Compact Enclosure

Includes handsome smoked plexiglass dust cover.



Fully factory-built and finished.

\$39.95

For use with Cortina Stereo Receivers (3570, 3770) and any record changer/player (not supplied).

Now you can custom-enclose your own Cortina receiver into a strikingly beautiful and functional "compact" wood cabinet in just minutes. Only EICO offers you the elegance and graceful sweep of this unique "horizontal array" design. So refreshingly different, so pleasing to the eye. A touch of distinction for any room in your home. The WE-78 is professionally constructed to the highest fur-

niture standards. Only genuine oiled walnut hardwood is used. Your Cortina 3570 or 3770 Receiver fits easily into the cabinet. For your record changer/player, all you do is make the simple cut-out according to the appropriate template and instructions supplied with your mechanism. SIZE (HWD): 6 1/4" x 32 1/2" x 14 1/4". WT.: 10 lbs.

Sound n' Color

is the new way to enjoy music.



Sound n' Color

is the new way, the today way to enjoy music. See every tone, every combination of instruments produce its own vivid multi-colored pattern. Through the miracle of solid-state electronics, the slightest rise and fall of pitch and volume in vocal or instrumental sound, effects an accompanying display of full-color excitement onto the screen.

The ever-changing color patterns are created by the always-varying intensity of 9 special lamps colored in the light primaries; red, blue and green. Their continuous intermixture creates a constantly moving panorama of all the colors of the spectrum. The intensity is controlled by silicon solid-state drivers and 2 externally adjustable frequency controls.

You determine the intensity of each color and its response to specific frequency ranges. For example, the blue lamp can be activated by frequencies up to 250 cycles; the red from 250-1500 cycles; and the green from 1500 cycles and above. These are crossover points which you can adjust to suit the mood and music source. Thus the bass notes could present the eye with the cooler tones of the spectrum, and rising pitch the warmer tones. Or vice versa. In any case, the interplay of, say, basses, cellos, and violins, or of drums, trombones, and clarinets — or, for that

matter, any combination of instruments or voices — will evoke an interplay of colors on the screen as the intensity of each lamp is made brighter or dimmer by the sound within its frequency range.



The Cortina 3440 heightens the excitement of any musical group — deepens the pleasure of personal listening (with hi-fi or radio, etc.; use two for stereo effects).



When the moving kaleidoscope of full color is dramatically added to the hearing of music, a new and fuller dimension of enjoyment is experienced.

Easy-To-Build Kit
includes
complete step by step
"Beginner Tested"
Instruction Manual.

Assembly time
approximately 5 hours.



Even crosses a unique attention-getter and setter of moods.

- Special low voltage, high-intensity colored lamps.
- Silicon solid-state lamp drivers for reliability and stability.
- All solid-state electronic system. No "color wheel" or motors are used.
- Adjustable color-crossover frequencies for precise color mixing.
- Transformer operated and fused for perfect safety.
- Connects to any 3.2 to 50(?) audio line. Will not affect the operation of your music system (Hi-Fi or Radio).
- Walnut Grain Cabinet. Size (HWD) 10" x 15" x 6", wt. 10 lbs.

Model 3440 — Kit \$49.95, assembled \$79.95