MOTOROLA

MOTOROLA'S LATEST IN CAR RADIOS

- FM/AM COMBINATION
- FM ONLY MODEL
- FM TUNER
- CUSTOM SPECIFIC MODELS
- CUSTOM UNIVERSAL MODELS
- VIBRASONIC SOUND SYSTEM
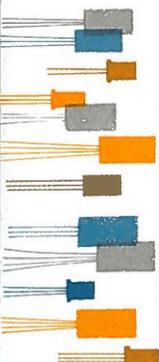
MOTOROLA

FULL 2 YEAR GUARANTEE ON ALL MOTOROLA CAR RADIOS

Full 2 year guarantee on all 1964 Motorola Car Radios. Manufacturer's guarantee covers free exchange or repair of any component proven defective in normal use. Guarantee also includes removal and re-installation labor. Arranged through selling dealers.

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MOTOROLA

'64 MOTOROLA all-transistor CAR RADIOS

FM Series

HIGH FIDELITY Series with PUSH-PULL Audio System

GOLDEN VOICE Series

MOTOROLA... *new leader in the lively art of electronics*

MOTOROLA
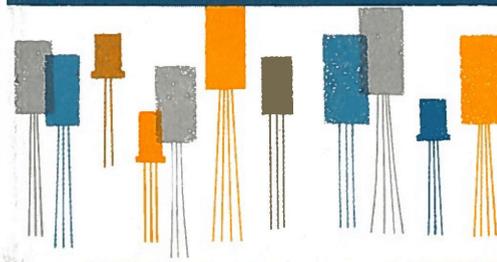
ALL-TRANSISTOR CAR RADIOS FOR '64

Custom specific models feature all-transistor chassis for low . . . low battery drain.

CHEVROLET

Select a pushbutton or manual car radio custom designed to blend with the dash of the '64 Chevrolet—Model CTA64 and Model CTM64. Both are High Fidelity Series models.

Model CTA64 pushbutton model for '64 Chevrolet
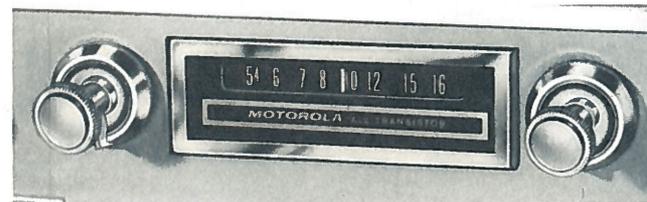
Model CTM64 manual model for '64 Chevrolet

CHEVELLE

Two models are available to custom fit this entry into the Chevrolet family—Model CEA64 and Model CEM64 are both High Fidelity Series models.
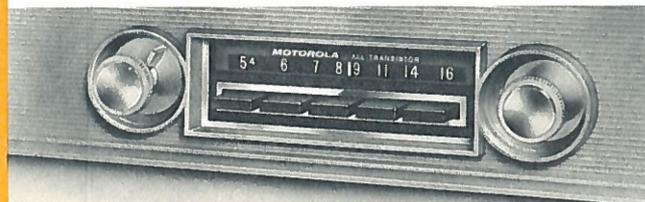
Model CEA64 pushbutton model for '64 Chevelle

Model CEM64 manual model for '64 Chevelle

CORVAIR

This popular compact car deserves the best in car radio. Motorola offers a pushbutton and manual model to match the dash of the '64 Corvair . . . Model CRA64 and Model CRM64. Both are High Fidelity Series models.

Model CRA64 pushbutton model for '64 Corvair

Model CRM64 manual model for '64 Corvair

CHEVY II

You can choose either a pushbutton or manual model to custom fit the '64 Chevy II —Models CYA64 and CYM64. Both blend with the dash . . . both are High Fidelity Series models.

Model CYA64 pushbutton model for '64 Chevy II

Model CYM64 manual model for '64 Chevy II

BUICK

Model BKA64 matches the '64 Buick dash and it's a High Fidelity Series model.

Model BKA64 pushbutton model for '64 Buick

PONTIAC

Model PCA64 specifically designed to fit '64 Pontiac. High Fidelity Series model.
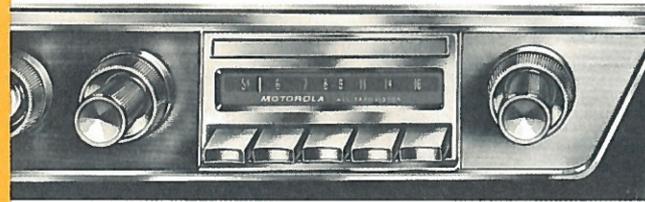
Model PCA64 pushbutton model for '64 Pontiac

VOLKSWAGEN

Two fine car radios custom designed for '64 Volkswagen . . . Model VWA64 and Model VWM64 both with all-transistor chassis.

Model VWA64 pushbutton model for '64 Volkswagen

Model VWM64 manual model for '64 Volkswagen

OLDSMOBILE

An excellent pushbutton radio is available specifically designed to match the '64 Olds dash. Model OEA64 is a High Fidelity Series model.

Model OEA64 pushbutton model for '64 Oldsmobile

Push-pull Audio System . . . employs two transistors working in unison to drive the speaker. The result is smooth, rich high fidelity sound. Produces a full 6 watts minimum undistorted power output. All specific models have push-pull except Volkswagen radios.

CUSTOM UNIVERSAL MODELS to fit most any car on the road

Complete line of all-transistor models... High Fidelity Series and Golden Voice Series. Motorola's custom universal all-transistor car radios include both pushbutton and manual models for 12 volt systems (plus one 6-volt model). Included are models for both positive and negative ground. Three models are equipped with push-pull audio system.

Model 294 fits in-dash or under-dash. Built-in speaker. 12 volt system. Model 414 same as 294 but for 6 volt system, negative or positive ground.
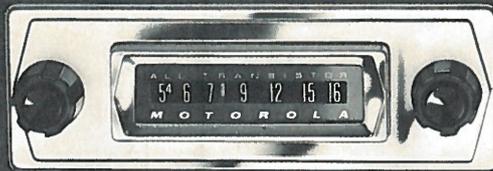
Model 324 for 12 volt negative or positive ground. Built-in speaker. Model 424 same as 324 except for external speaker.
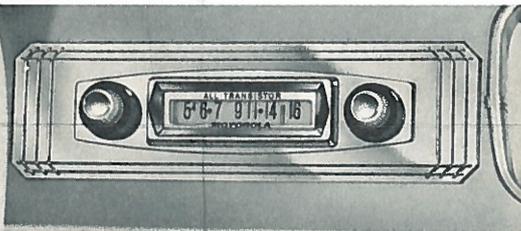
Model 524... excellent pushbutton model, 12 volt negative or positive ground... in-dash or under-dash.

Model 4MT... for difficult to fit cars (adjustable shafts). Push-pull audio system.

Model 4AT... push-button model for difficult to fit cars (adjustable shafts). Push-pull audio system.

Model 14AT... adjustable shafts for wide application. Push-pull audio system.

▼ HANDSOME UNIVERSAL trim plates for custom look ▼

AK219... Designed for use with models 414, 324, 294, 424.

AK220... Styled for use with models 414, 324, 294, 424. AK220 is small for use where space is a problem.

AK223... Designed for use with models 524, 4AT, 4MT, FMA 100. Smart custom appearance.

AK230... Offers handsome custom look. Use with models 4MT, 4AT, FMA100.

AK231... For use with model 14AT. Attractive chrome finish for smart appearance.

JUST INTRODUCED!

MOTOROLA'S NEWEST IN FM/AM CAR RADIOS

ENJOY FINE FM OR AM MUSIC FROM ONE CAR RADIO!
Custom Specific models or Universal model to fit many cars on the road!

This precision FM/AM car radio makes available excellent FM music or your favorite AM program from one radio. Model FMA100 (pictured at right) installs in-dash in many cars. The four specific models blend with the dashes for which they were designed.

Acoustinator in FM circuitry minimizes cross modulation (interference). Cross modulation more frequently occurs in metropolitan or primary signal areas. Since this is true, it is necessary to adjust for this signal condition. Motorola does just this. Acoustinator, which is activated by a pushbutton, minimizes the signal overload so that circuits function properly in metropolitan areas . . . giving you a clear, clean signal. The Acoustinator control can be activated again in fringe signal areas to optimize circuitry for great sound reproduction under these conditions.

FM/AM Indicator Light . . . is activated when you select your broadcast band. Tells you at a glance whether you're tuned to FM or AM.

High Fidelity Sound . . . The FM audio section of this excellent chassis delivers authentic high fidelity sound. Model FMA100 has an audio response of 50 to 15,000 cycles per second.

Push-pull Audio System . . . produces a full 8 watts of undistorted power output to deliver sufficient power when you need it.

All-transistor Chassis . . . Powerful chassis incorporates 14 transistors plus 7 diodes and 1 thermistor. All transistor application offers the benefit of extremely low battery drain (actually .5 amp, which is less than required for the dome light of a car). Instant play with no warm up is another advantage.

Model FMA100 . . . FM/AM combination car radio. This universal model fits many cars on the road for a custom in-dash installation. (Pictured with universal trim plate AK230).

For Buick . . . Model BK4FM, FM/AM combination car radio blends with '64 Buick dash. Same features as FMA100 with the addition of Rear Speaker Control.

For Chevrolet . . . Model CT4FM, FM/AM combination car radio designed to match the '64 Chevy dash. Same performance features as model FMA100 with the addition of Rear Speaker Control.

For Pontiac . . . Model PC4FM, FM/AM combination car radio to blend with the '64 Pontiac. Features are the same as model FMA100 with the addition of Rear Speaker Control.

For Oldsmobile . . . Model OE4FM, FM/AM combination car radio designed to match the '64 Oldsmobile. Same fine features as model FMA100 with the addition of Rear Speaker Control.

CHOOSE FROM MOTOROLA'S...

COMPLETE FM MODEL

Thrill to FM music . . . reproduced in authentic High Fidelity sound . . . 50 to 15,000 cps. audio response. Model FM900 operates completely independent of AM car radio. (under dash installation)

- Dual Limiters minimize AM modulation and static
- Automatic Frequency Control makes tuning easy—precise
- Built-in rear speaker control permits complete distribution of sound from front to back
- For 12 volt negative ground system only

FM TUNER

Now add an FM Tuner to your present AM car radio. (under dash installation)
Model FMC62 for those who prefer a tuner. Combine this excellent tuner with your present AM car radio to enjoy fine FM programming.

- Automatic Frequency Control for precise, easy tuning
- Dual Limiters minimize AM modulation and static
- Handsome under-dash installation . . . use FMC62 in car after car

for a thrill in car radio listening...hear Motorola Vibrasonic Sound System

When you hear music "live" in the concert hall, a first set of sound waves reach the ear—followed by a second set reflected from the walls. Motorola's model R200 Vibrasonic simulates this reverberation principle in the car, adding depth to music that will thrill you. You must hear it to believe it. Vibrasonic can be added to any AM or FM car radio (12 volt negative ground) as an optional accessory.

Vibrasonic installs almost as easily as a rear speaker
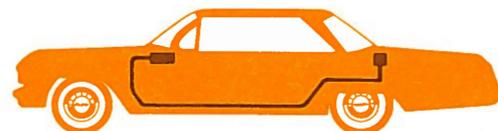
CAR RADIO FEATURE CHART

	CUSTOM SPECIFICS	FMC62	FM900	FMA100	BK4FM	CT4FM	OE4FM	PC4FM	294	324	414	424	524	4MT	4AT	14AT	VWA64	VWM64
POLARITY	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	POS. NEG	POS. NEG	POS. NEG	POS. NEG	NEG	NEG	NEG	NEG	NEG
INPUT VOLTAGE	12	12	12	12	12	12	12	12	12	12	6	12	12	12	12	12	6	6
POWER OUTPUT (Watts, Undistorted)	6	—	8	8	8	8	8	8	2.5	2.5	2.0	2.5	2.5	6	6	6	2	2
PUSH-PULL AUDIO	YES	—	YES	YES	YES	YES	YES	YES	—	—	—	—	—	YES	YES	YES	—	—
TRANSISTORS	6	—	3	14	14	14	14	14	5	5	7	5	5	6	6	6	7	7
TUNED CIRCUITS	8	12	12	20	20	20	20	20	7	8	8	8	8	8	8	8	8	8
DIODES	2	—	—	7	7	7	7	7	2	2	2	2	2	2	2	2	2	2
LIMITERS	—	2	2	1	1	1	1	1	—	—	—	—	—	—	—	—	—	—
ACOUSTINATOR	—	—	—	YES	YES	YES	YES	YES	—	—	—	—	—	—	—	—	—	—
AGC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AFC	—	YES	YES	YES	YES	YES	YES	YES	—	—	—	—	—	—	—	—	—	—
BATTERY DRAIN (Amperes)	.5	1.4	2.2	.5	.5	.5	.5	.5	.7	.7	1.0	.7	.7	.5	.5	.5	1.0	1.0
SENSITIVITY (Microvolts Average)	3	3	2	FM 2½	FM 2½	FM 2½	FM 2½	FM 2½	3	3	3	3	3	3	3	3	3	3
TONE CONTROL	YES	—	YES	YES	YES	YES	YES	YES	—	YES	—	YES	YES	YES	YES	YES	YES	YES
REAR SPEAKER CONTROL	YES*	—	YES	—	YES	YES	YES	YES	—	—	—	—	—	—	—	—	—	—

*On models CTA64, CEA64, BKA64, OEA64 and PCA64 only.

"Custom Specifies" column above describes models CTA64, CTM64, CEA64, CEM64, CRA64, CRM64, CYA64, CYM64, BKA64, PCA64 and OEA64.