SUPERTUNER

CASSETTE CAR STEREO WITH FM-STEREO

MODEL KP-500

ZE

OWNER'S MANUAL



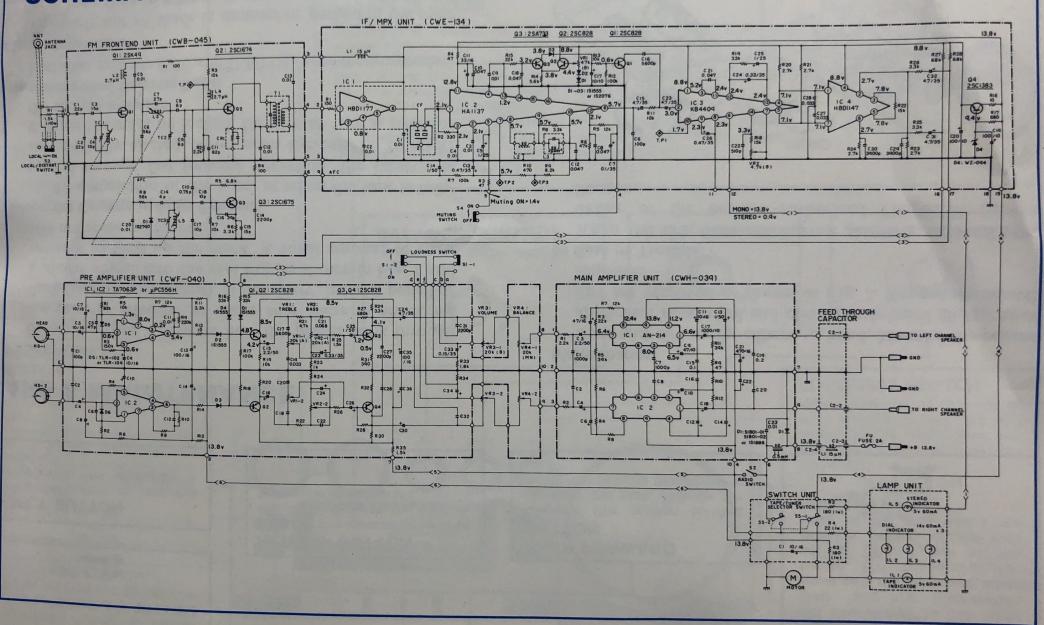
Thank you for purchasing this PIONEER product. Be sure to read this manual before using your PIONEER Model KP-500 cassette car stereo with FM-stereo.



SPECIFICATIONS

SEMI- CONDUCTORS	AF: 4 IC's, 4 transistors, 7 diodes	RADIO SECTION FREQUENCY	
	RF: 4 IC's, 1 FET, 6 transistors, 5 diodes	RANGE	88~108 MHz
CONTROLS	Volume, balance, bass, treble, eject, fast forward, rewind, tuning, local/	SENSITIVITY 50 dB QUIET-	. 12 dBf (1.1 μ V/75Ω)
	distant, radio, loudness, muting		. 14.3 dBf (1.4 μ V/75 Ω)
POWER		SIGNAL TO	60 ID
	DC 13.8V (11~16V allowable)	NOISE RATIO	
	Negative ground system	CAPTURE RATIO	
	PHILIPS-type cassette (C-30, C-60)	SELECTIVITY	. 74 dB (±400 kHz)
WOW AND	a and distributed	IMAGE	(1.10
	Less than 0.3% (WRMS)	REJECTION	
	Approx. 100 sec (C-60)	IF REJECTION	
FAST FORWARD		DISTORTION	. 0.8% (at 65 dBf, 400 Hz, Mono)
	Approx. 100 sec (C-60)	EDEOLIENCY	0.95% (at 65 dBf, 1 kHz, Stereo)
POWER	P 1 (PMG), OW	FREQUENCY	20-12 000 H- (2 1p)
OUTPUT	Rated (RMS): 8W		. 30~12,000 Hz (-3 dB)
FREQUENCY	40. 10.000 H-	MUTING LEVEL DISTANT SWITCH	. 3 dB
RESPONSE	40~10,000 Hz		25 dD Attanuation ON/OFF
TONE CONTROL	Bass: ±10 dB (100 Hz)	STEREO	25 dB Attenuation ON/OFF
	Treble: ±10 dB (10 kHz)		22 4D (-+ (5 4D5 1 1-11-)
LOUDNESS	10 ID (100 Hz) 14 dD (10 kHz)	SEFARATION	32 dB (at 65 dBf, 1 kHz)
	+9 dB (100 Hz), +4 dB (10 kHz)	DIMENSIONS	
(VOLUME: -30 dB) CROSS TALK	More than 45 dR		102 75 100
SIGNAL TO	Wole than 43 db	$(W \times H \times D) \dots$	
NOISE RATIO	More than 50 dR	WEIGHT	$(7-5/8 \times 3 \times 7-1/2 \text{ in.})$
LOAD	Wole than 50 db	WEIGHT	2.3 kg (3 108)
IMPEDANCE	40 (2~80 allowable)		
INITEDANCE	732 (2 032 dilowable)		

SCHEMATIC CIRCUIT DIAGRAM



FEATURES

Unprecedented is the only word to describe Supertuner—Pioneer's latest car stereo tuner which is designed under an entirely new concept. It features such advanced features as automatic mono-stereo switching combined with a function to virtually eliminate multiplex noise. Now you can really keep your eye on the road while your ear is on the music. An unusually high sensitivity of 1.1µV means, compared to ordinary car stereo tuners, you can be twice as far from your favorite station and still catch your favorite program—with less noise, more clarity and greater stability. Muting and special distant switches further enhance this capability. Add other deluxe features, and you're into real car stereo enjoyment!

AUTO EJECT SYSTEM

Automatic cassette ejection and power cut-off at the end of a program allows better concentration on driving.

FAST FORWARD AND REWINDING MECHANISM FOR CONVENIENCE OF OPERATION

Simply press the buttons for fast forward or rewind to select desired programs.

OP

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TONE CONTROL CIRCUITS

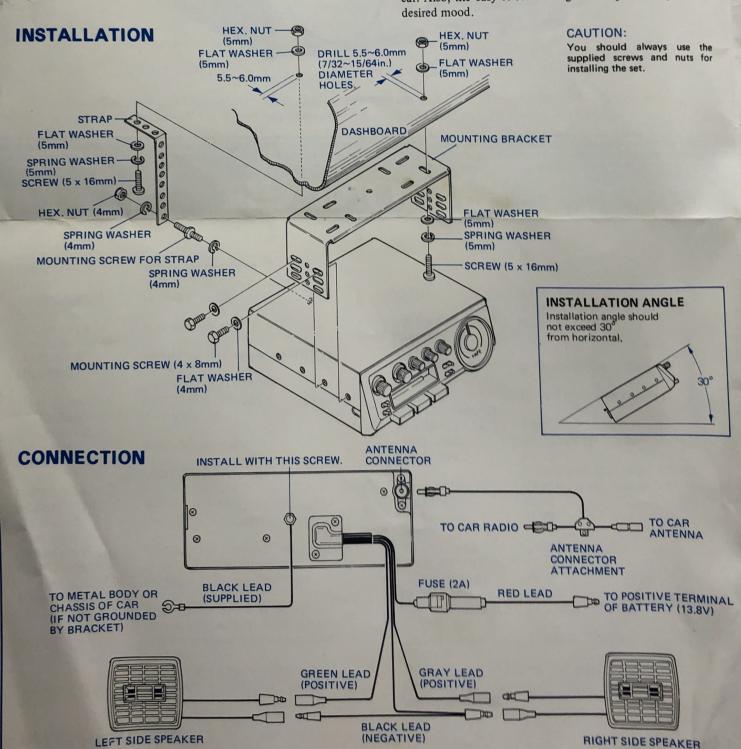
Both bass and treble have individual tone controls to enable optimum balance of sound. A touch of the special Loudness Switch fills the car with impressive well-balanced sound even when listening at low volume.

BUILT-IN MUTING SWITCH, LOCAL/DISTANT SWITCH

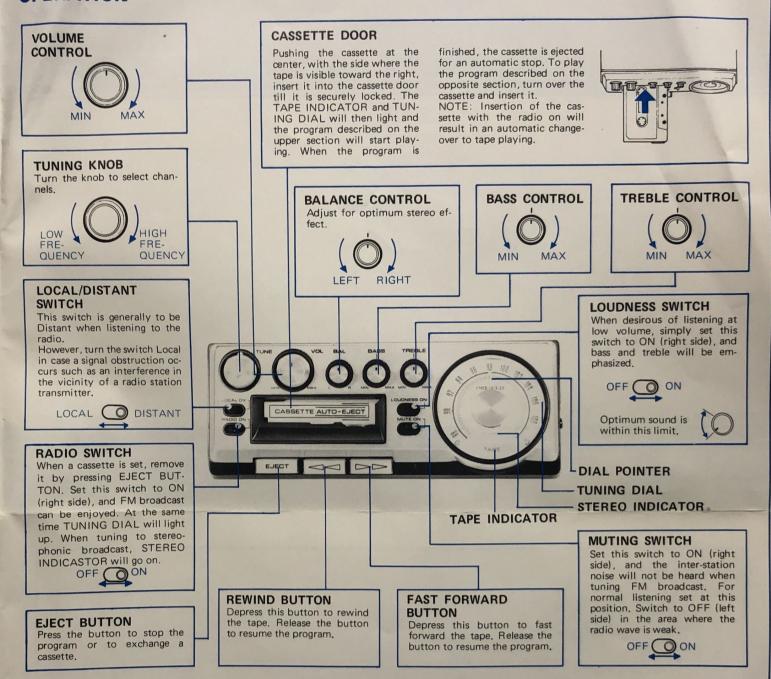
Muting Switch eliminates the unpleasant inter-station noise which is heard when tuning FM broadcasts. Also, Local/Distant Switch eliminates the sound distortion caused by strong local stations. FM broadcast can therefore be enjoyed at the optimum conditions.

HANDSOME DESIGN SUITS ANY CAR

Practical design and good taste in styling suitable to high-class stereo make this deluxe car stereo an asset to any car. Also, the easy-to-see Tuning Dial helps to bring out the desired mood



OPERATION



CARE & MAINTENANCE

Prior to Use:

Before inserting a cassette into the player, look through the cassette window to make sure there is no excess slack (several loose turns). If necessary, insert a pencil or a similar object into the reel hub as shown in Fig. 1 and rotate it to wind up the slack. A small amount of slack will not cause malfunction.

When the Cassette is Auto Ejected:

At the completion of the tape, or when the tape is fully wound through fast forward operation, the cassette is automatically ejected. Never press the cassette to insert it again it cannot be locked. Be sure to turn it over for the second insertion.

Recommended Cassette Tape:

For your best use C-30 and C-60 tapes are recommended.

Car Temperature:

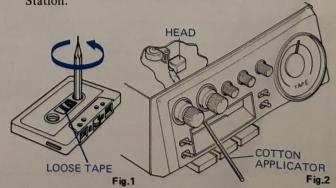
When left out of shade in summer or parked in the open for a long time in winter, the temperature inside the car changes considerably. In such cases, the cassette should be used only after, the temperature inside the car has been brought back to appropriate temperature.

Maintenance:

Dust and dirt easily adhere to head. Moisten the cotton applicator in alcohol and clean gently until all traces of dirt are removed as shown in Fig. 2. Reproduction will improve.

In Case of Trouble:

When the unit does not operate properly, contact your dealer or the nearest authorized PIONEER Service Station.



LIMITED WARRANTY

THIS PRODUCT IS COVERED BY PIONEER'S STANDARD WARRANTY, SEE SEPARATE ENCLOSURE FOR DETAILS.

<CRB-161-B> Printed in Japan

<77E28E210K>

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