

AUDIO SYSTEMS

GROUP 15 (17000 & 18000)

SECTION TITLE	PAGE	SECTION TITLE	PAGE
ANTENNA	15-02-1	RADIO AND TAPE CHASSIS.....	15-01-1
AUDIO SYSTEMS—SERVICE.....	15-00-1	SPEAKERS.....	15-03-1

SECTION 15-00 Audio Systems—Service

SUBJECT	PAGE	SUBJECT	PAGE
DESCRIPTION AND OPERATION		DIAGNOSIS AND TESTING (Cont'd.)	
Radio.....	15-00-1	Remote Radio Control Functional Test	15-00-14
DIAGNOSIS AND TESTING		SPECIAL SERVICE TOOLS	15-00-27
Diagnosis Charts	15-00-3	VEHICLE APPLICATION	15-00-1
Radio Tests	15-00-3		

VEHICLE APPLICATION

Taurus/Sable.

DESCRIPTION AND OPERATION

Radio

Radio Reception

Antenna Position

The automatic antenna, if so equipped, will adjust to the full extended height for best FM reception.

FM Stereo has a range of about 32 km (20 mile) before interference noises are heard. This means that in concern areas with tall buildings or hills, it is necessary to select the strongest possible station. The electronic radio automatically tunes to the center of any given station, eliminating the need for manual fine tuning.

Tone Control

Favoring the rear speakers in noisy areas will help to reduce noise.

Antennas and Mobility

Although an automobile radio will give outstanding mobile reception, it cannot provide the continuous reception of home audio components. The home receiver is not limited by the vehicle operating characteristics and certain geographical effects as is the mobile unit. For example, for the best FM reception, the automobile antenna should be designed like a TV antenna and pointed in the direction of the station. The best AM antenna is a long piece of wire, the higher the wire the better the reception. However, because of design necessity, the automobile antenna is restricted in size, height and direction and must receive both AM and FM stations. This means that a limited amount of the station's signal reaches the vehicle radio.