

SECTION B

STEREO TAPE PLAYER

ALL SERIES

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DIVISION I

TROUBLE DIAGNOSIS

129-15 TAPE PLAYER TROUBLE DIAGNOSIS

The tape player trouble diagnosis guide is intended as an aid in locating minor faults which can be corrected without a specialized knowledge of electronics and without special test equipment. If the suggestions given here do not affect a correction, further testing should be done only by a trained radio technician having proper test equipment. It should first be determined if the owner's tape and not the player is at fault. Substituting a known good tape cartridge for the owner's is a simple check.

Because tape player service problems are generally corrected by United Motors Service repair shops, there is a tendency for many dealer servicemen to remove a

set when a problem is reported. The irritation to an owner of having to drive with the tape player removed can frequently be avoided if the tape player trouble diagnosis guide is used to eliminate problems which can be easily fixed or which are not even caused by a faulty player.

DIAGNOSIS GUIDE

PLAYER NOISY

(Set all controls to mid-position. Insert test tape.)

A. NOISE ON ONE CHANNEL *(Check interconnecting cable and connections.)*

Cable and/or connectors loose or defective Replace or correct as required.

Cable and connectors okay Check speakers by substitution.

Speaker defective Replace speaker.

Speaker okay Remove player for repair.

B. NO NOISE (*Jar player with heel of hand.*)

Noisy Check speaker connections.

Loose or defective connections Replace or correct as required.

Connections okay Remove player for repair.

No noise Player okay.

C. NOISE ON BOTH CHANNELS (*Check speaker and power line connections.*)

Connections loose or defective Correct as required.

Connections okay Check for loose mounting (player or speakers).

Loose mounting (player or speakers) Correct as required.

Mounting okay Remove player for repair.

PLAYER SPEED INCORRECT

(*Set all controls to mid-position. Insert test tape.*)

Speed too slow, too fast, or constantly changing Remove player for repair.

Speed normal Player okay.

PLAYER DEAD

(*Set all controls to mid-position. Insert test tape and listen for speaker "thump".*)

A. NO THUMP HEARD IN ONE CHANNEL ONLY (*Check interconnecting cable and connectors.*)

Cable and/or connections loose or defective Replace or correct as required.

Cable and connectors okay Check speaker by substitution.

Speaker defective Replace speaker.

Speaker okay Remove player for repair.

B. NO THUMP HEARD (*Check fuse.*)

Fuse blown Replace fuse and check for short or open in wiring.

Fuse not blown Check speaker and power line connections.

Connections loose or defective Correct as required.

Connections okay Remove player for repair.

C. THUMP HEARD

Remove player for repair.

DIVISION II

DESCRIPTION AND OPERATION

129-16 TAPE PLAYER STEREO

To operate the tape player, completely insert a cartridge into the unit. This turns on the tape player, automatically removes power from the radio, and switches the speakers from the radio to the tape player. This feature prevents accidental damage to the radio should the owner attempt to operate it while the tape player is in use.

After the tape player is in operation, the front panel controls of the player are then adjusted for the most pleasant stereo listening.

Tape cartridges should be handled carefully and should be kept clean. A cartridge should not be left inserted fully in the player. This may cause permanent damage to the cartridge.

DIVISION III

ADJUSTMENTS AND MINOR SERVICE

129-17 TAPE PLAYER - PERIODIC MAINTENANCE

With use, lubricant and oxide from the player may build up on the capstan, head and tape guide. This may cause the tape to slip or run slowly. A head cleaning tape cartridge which contains a mildly abrasive tape is designed to remove these deposits. The cleaning tape cartridge is inserted in the tape player and allowed to run for approximately 30 seconds. This procedure is recommended after every 50 hours of operation or sooner if necessary. No lubricants should be used since they will cause the player to operate improperly especially at extreme temperatures.

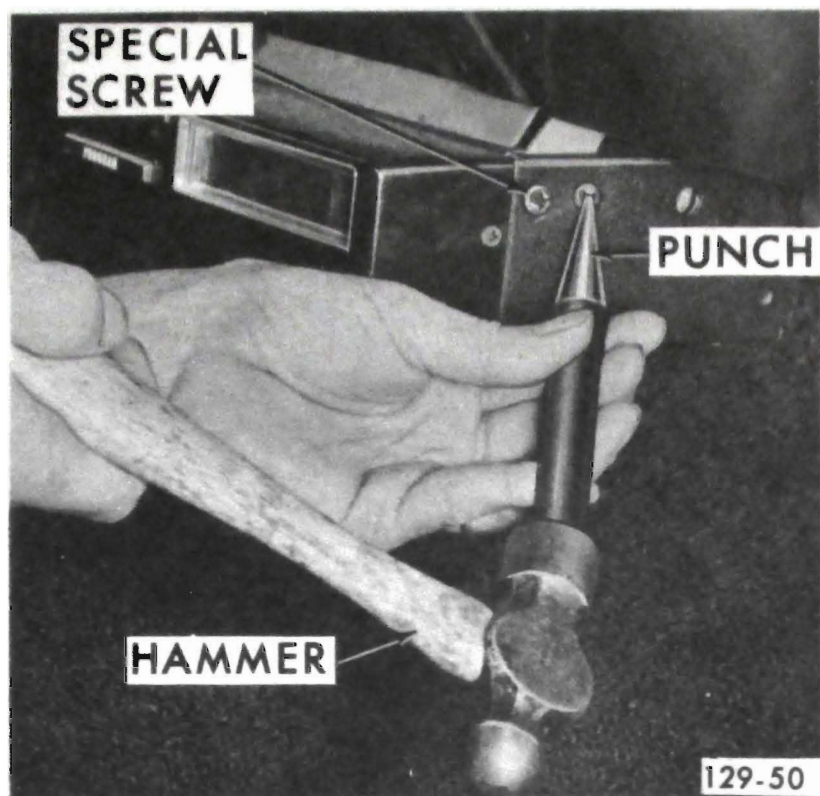


Figure 129-15 Anti-Theft Screw Loosening



Figure 129-16 Anti-Theft Screw Removal

DIVISION IV

REMOVAL AND INSTALLATION

129-18 REMOVAL AND INSTALLATION 4D-4H-4G-4F

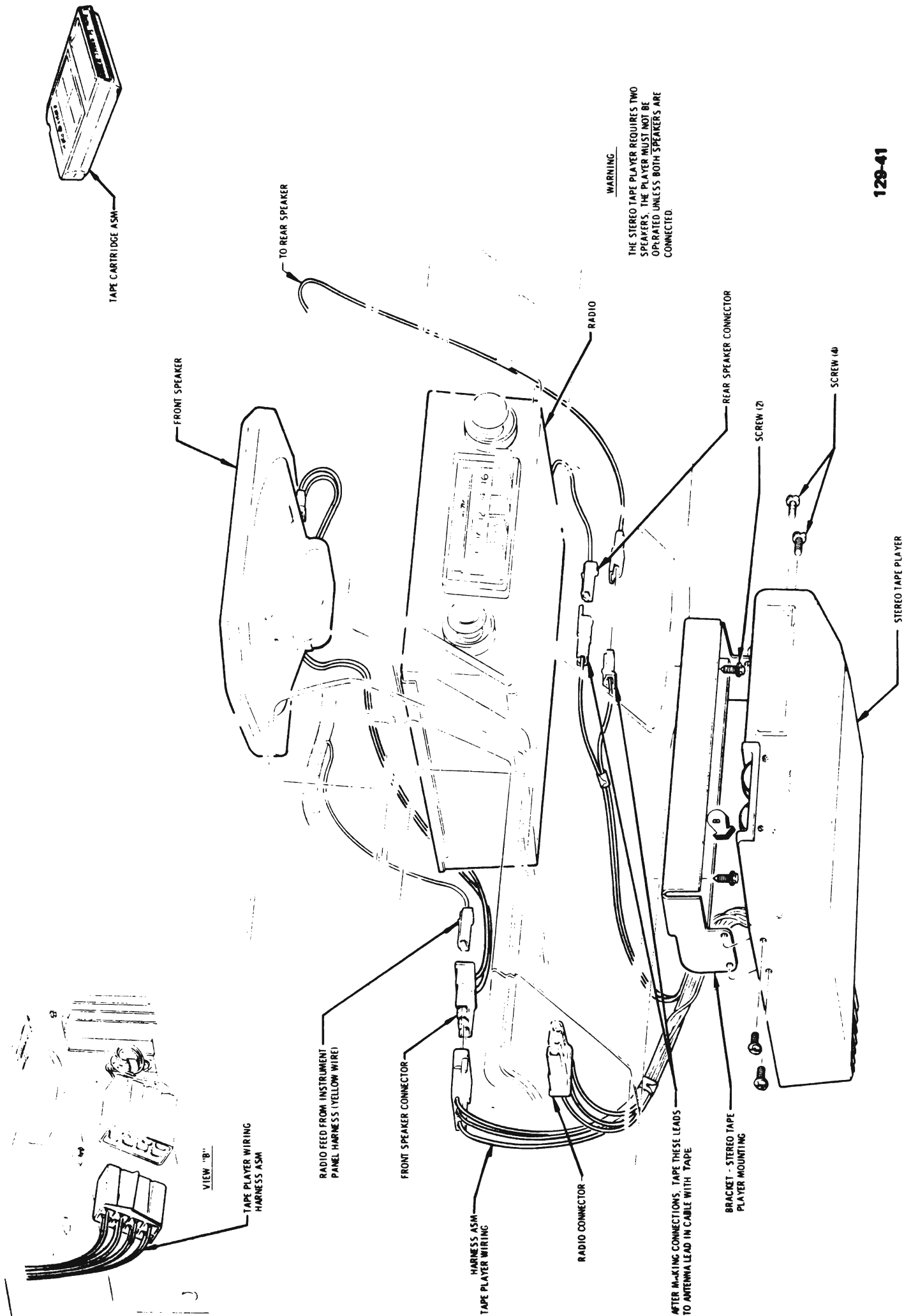
1. The tape player is installed at the factory with special anti-theft screws. To remove, tap gently in a counterclockwise direction with a punch and hammer until screws are loose. See Figure 129-15.
2. Use a large screwdriver to remove loosened special anti-theft screws. See Figure 129-16.
3. Reinstall special anti-theft screws using the same procedure as a standard screw.

DIVISION VI

SPECIFICATIONS

129-19 STEREO TAPE

The 1972 Delco Radio tape player is equipped with a cartridge locking arm to hold the cartridge in a rigid position against the capstan drive for minimum wow and flutter. As the cartridge is withdrawn from the player, the on/off switch at the other side of the cartridge is not completely disengaged when the cartridge lock arm reaches a detent point on the cartridge. Always withdraw the cartridge just beyond the detent point, this will enable normal operation from the radio.



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Figure 129-17 4D-4F-4G-4H Stereo Tape Player