

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST C: NOISY AM RECEPTION — ENGINE RUNNING, VEHICLE IN/NOT IN MOTION (Continued)

| TEST STEP | | RESULT | ACTION TO TAKE |
|------------|---|--------|--|
| C7 | CHECK IGNITION SYSTEM <ul style="list-style-type: none"> Check ignition system for proper operation. (Use EEC-IV Intermittent Ignition Analyzer (007-00035) or equivalent or check for open circuit spark plug wires using ohmmeter.) Also, check spark plugs for cracked insulators. Is ignition system OK? | Yes | GO to C8. |
| | | No | SERVICE or REPLACE components as required. |
| C8 | CHECK CHASSIS MOUNTING POINTS <ul style="list-style-type: none"> Check all radio chassis mounting points for secureness, cleanliness and metal-to-metal contact. Are mounting points OK? | Yes | GO to C9. |
| | | No | CLEAN and/or SECURE as required. |
| C9 | SUBSTITUTE ANTENNA <ul style="list-style-type: none"> Substitute a known good speaker and antenna being sure to ground antenna base to an unpainted metal surface. Verify operation of radio. Is noise eliminated? | Yes | REPLACE or SERVICE speaker or antenna. |
| | | No | GO to C10. |
| C10 | SUBSTITUTE ANTENNA EXTENSION CABLE <ul style="list-style-type: none"> Substitute a known good antenna cable. Verify operation of radio. Is noise eliminated? | Yes | REPLACE antenna extension cable. |
| | | No | GO to C11. |
| C11 | SUBSTITUTE RADIO <ul style="list-style-type: none"> Substitute known good radio. Verify operation of radio. Is noise eliminated? | Yes | Have radio unit serviced at an authorized service center. |
| | | No | GO to C12. |
| C12 | CHECK AMPLIFIER <ul style="list-style-type: none"> Substitute a known good amplifier (PAC system only). Verify operation of radio. Is noise eliminated? | Yes | Have amplifier serviced at an authorized service center. |
| | | No | GO to C13. |
| C13 | REPOSITION THE FOLLOWING COMPONENTS <ul style="list-style-type: none"> Check if noise can be eliminated by repositioning antenna, speaker or radio power feed wires away from other wires and/or brackets. Verify operation of radio. Is noise eliminated? | Yes | REPOSITION permanently by taping. |
| | | No | GROUND various parts of the vehicle to the frame using a jumper cable. For example, engine, fenders, quarter panels, stone deflectors, air cleaner, body sheet metal. When noise is eliminated, provide a permanent ground where required. |

TK6031E

PINPOINT TEST D: NOISY FM RECEPTION — ENGINE RUNNING, VEHICLE NOT IN MOTION

| TEST STEP | | RESULT | ACTION TO TAKE |
|-----------|--|--------|---|
| D1 | DETERMINE IF CONCERN IS WITH FM RECEPTION LIMITATION <ul style="list-style-type: none"> Verify condition by operating radio with engine running and vehicle not in motion. If noise is on FM stereo, determine if customer concern is due to FM stereo reception limitation. Refer to normal operation description. Is reception normal? | Yes | EXPLAIN and DEMONSTRATE to customer. INFORM customer of methods for obtaining best reception. |
| | | No | GO to D2. |