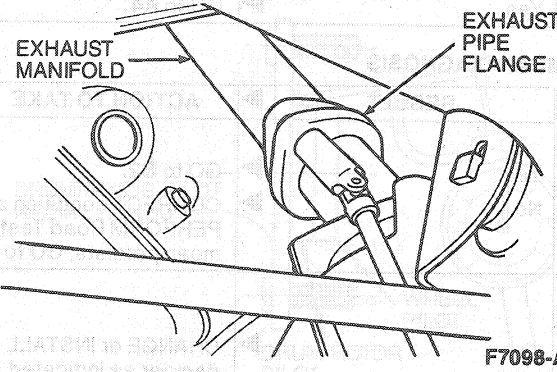


DIAGNOSIS AND TESTING (Continued)

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST B: TIP-IN MOAN DIAGNOSIS (Continued)

TEST STEP		RESULT	ACTION TO TAKE
<b>B4</b>	<b>EXHAUST SYSTEM</b>		
<ul style="list-style-type: none"> <li>Warm up system to normal operating temperature. Loosen all hanger attachments and reposition hangers until they hang free and straight. Then loosen all flange joints and, with engine running, shift transmission from NEUTRAL to DRIVE and back to NEUTRAL (or load engine with clutch). Tighten all hanger clamps and flanges. Road test vehicle.</li> <li>Is moan reduced or eliminated?</li> </ul>		Yes No	Vehicle OK. REFER to Engine Accessory Vibration Diagnosis.
 <p style="text-align: right;">F7098-A</p>			

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PINPOINT TEST C: IDLE BOOM/SHAKE/VIBRATION DIAGNOSIS

TEST STEP		RESULT	ACTION TO TAKE
<b>C1</b>	<b>CABLE/HOSES</b>		
<ul style="list-style-type: none"> <li>Check engine compartment for any component that may be grounding between the engine and body or chassis. Example: Control cables, A/C hoses, accelerator cable, etc.</li> <li>Are components OK?</li> </ul>		Yes No	GO to C2. CORRECT condition and PERFORM Road Test. If moan persists, GO to C2.
<b>C2</b>	<b>ENGINE MOUNTS</b>		
<ul style="list-style-type: none"> <li>Normalize engine mounts by loosening the two right side mounts. Jack the engine up under the crankshaft pulley until the engine mount is free of the frame. Set back down until mount just touches the frame. Tighten engine mount nuts.</li> <li>Are mounts OK?</li> </ul>		Yes No	Vehicle OK. GO to C3.
<b>C3</b>	<b>EXHAUST SYSTEM</b>		
NOTE: Disregard this step if already performed in Test Step B2 (Tip-in Moan Diagnosis). <ul style="list-style-type: none"> <li>Warm up system to normal operating temperature. Straighten all hangers to a vertical position. Loosen all flange joints and with engine running, shift transmission from NEUTRAL to DRIVE and back to NEUTRAL. Re-tighten flanges and road test vehicle.</li> <li>Is system OK?</li> </ul>		Yes No	Vehicle OK. GO to C4.
<b>C4</b>	<b>ENGINE IDLING</b>		
<ul style="list-style-type: none"> <li>With engine idling, visually check all accessory drive belts and pulleys for misalignment, runout or irregular motion. Maximum runout is 3mm (1/8-inch).</li> <li>Is system OK?</li> </ul>		Yes No	Vehicle OK. REFER to Engine Accessory Vibration Diagnosis.

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