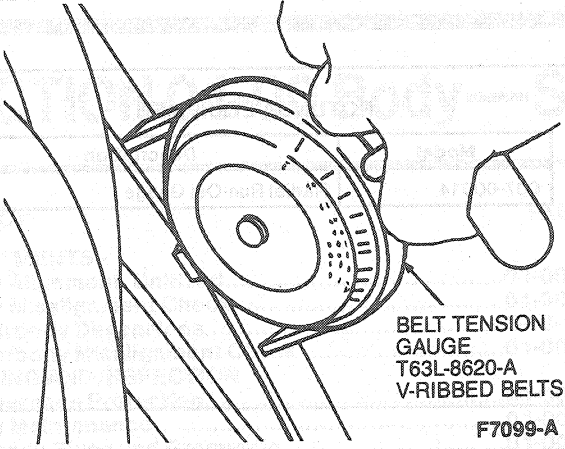


DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST D: ENGINE ACCESSORY VIBRATION DIAGNOSIS

	TEST STEP	RESULT	ACTION TO TAKE
D1	ENGINE RUN-UP <ul style="list-style-type: none"> Run-up to problem rpm observed in road test, with vehicle stationary. Does vibration occur? 	Yes No	GO to D2. PERFORM stall test in DRIVE with brakes locked (or load engine by slipping clutch in gear with manual transmission). If vibration occurs, GO to Tip-In Moan Diagnosis in this section.
D2	DRIVE BELTS AND PULLEYS <ul style="list-style-type: none"> With engine stopped, inspect all engine accessory drive belts and pulleys for wear or damage, and check belt tension, using Belt Tension Gauge T63L-8620-A or equivalent. Automatic Tensioners have belt wear indicator marks. If the indicator mark is not between the min and max marks, the belt is worn or an incorrect belt is installed. Are belts or pulleys worn or damaged?  <p style="text-align: center;">BELT TENSION GAUGE T63L-8620-A V-RIBBED BELTS F7099-A</p>	No Yes	GO to D3. REPLACE worn or damaged belts or pulleys. CORRECT belt tension. GO to D3.
D3	MOUNTING HARDWARE <ul style="list-style-type: none"> Inspect mounting brackets and adjusting components for proper alignment and tightness. Are mounting and adjusting components secure? 	Yes No	GO to D4. ALIGN and TIGHTEN mounting hardware to specifications. CORRECT belt tension. START UP engine and run-up to problem rpm. If vibration still exists, GO to D4.
D4	ENGINE IDLING <ul style="list-style-type: none"> With engine idling, visually check all accessory drive belts and pulleys for misalignment, runout or irregular motion. Maximum runout is 3mm (1/8 inch). Increase engine rpm. 	No misalignment visible Pulley(s) exceeds maximum runout Belt rides up and down on one pulley Belt rides up and down on more than one pulley	GO to D5. REPLACE pulley. REPLACE that pulley. REPLACE belt.