DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST TX: MARKING TONE WHEN THERMOMETER SYMBOL IS BLINKING

	TEST STEP	RESULT >	ACTION TO TAKE
TX1	REVIEW OPERATION/VERIFY CONDITION		
	 The gauge driver alert tone is not active until at least 300 rpm or valid oil pressure has been detected, (i.e. vehicle was started). Warning chime module will not beep if another sound is being produced. Driver alert only given for temperatures above normal band. 	en Carriero Chara. Anoi Mesposa picatar. Anogaret serich assembly are stad. Stad. Staden Ton PRESSED.	GO to TX2. The second of the
TX2	CHECK WARNING CHIME		acidio Aguaranto
	 Turn ignition to RUN. Press any cluster control button and listen for beep. Does chime beep? 	Yes No	System OK. GO to Pinpoint Test SA.

PINPOINT TEST TF: TEMPERATURE GAUGE ALWAYS INDICATES COLD TEMPERATURE (BOTTOM BAR ILLUMINATED)

	TEST STEP	RESULT	>	ACTION TO TAKE
TF1	CHECK TEMPERATURE GAUGE WIRING			
	 Unplug connector to temperature sender and connect a jumper to ground in place of sender. Turn ignition to RUN. Gauge should give a short circuit indication. Top two and bottom two bars of gauge illuminated. 	Top two and bottom two bars illuminate Bars do not illuminate as		GO to TF3. REMOVE jumper. GO to TF2.
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TF2	CHECK WIRING AT CLUSTER			
	Disconnect ground cable to battery.	Yes		REPLACE cluster.
	 Remove cluster. Connect jumper in place of temperature sender. 	No 840316 4400		SERVICE wiring Circuit 39
	Verify continuity between Pins 4A and 8A of harness. Is there continuity?	SANTER CORRECTOR TOTAL	a alg e i seim ki	and/or temperature sender ground line for open circuit.
TF3	CHECK SENDER			
	Warm up engine to normal operating temperature. Measure resistance of temperature sender.	Resistance less than 8,000 ohms		REPLACE cluster.
		Resistance greater than 8,000 ohms		GO to TF4.
TF4	CHECK COOLING SYSTEM			
	 Check thermostat, coolant level, etc. for proper operation. 	Cooling system OK		REPLACE temperature sender.
		Cooling system not OK		SERVICE cooling system as required.

PINPOINT TEST SA: DISPLAY DOES NOT RESPOND TO BUTTONS—NO BEEP WHEN BUTTONS PUSHED OR DRIVER ALERT GIVEN

TEST STEP		RESULT	▶	ACTION TO TAKE
SA1	VERIFY CONDITION Cluster only responds to buttons when ignition is in RUN. Warning chime module will not beep if another sound is being produced.	Display does not respond to buttons No beep sounds but display response to buttons/warnings		GO to SA3. GO to SA2.
SA2	CHECK WARNING CHIME MODULE Check for fasten safety belt reminder chime or key left in ignition reminder chime. Does chime sound?	Yes No		GO to SA6. SERVICE warning chime module.