Road Test

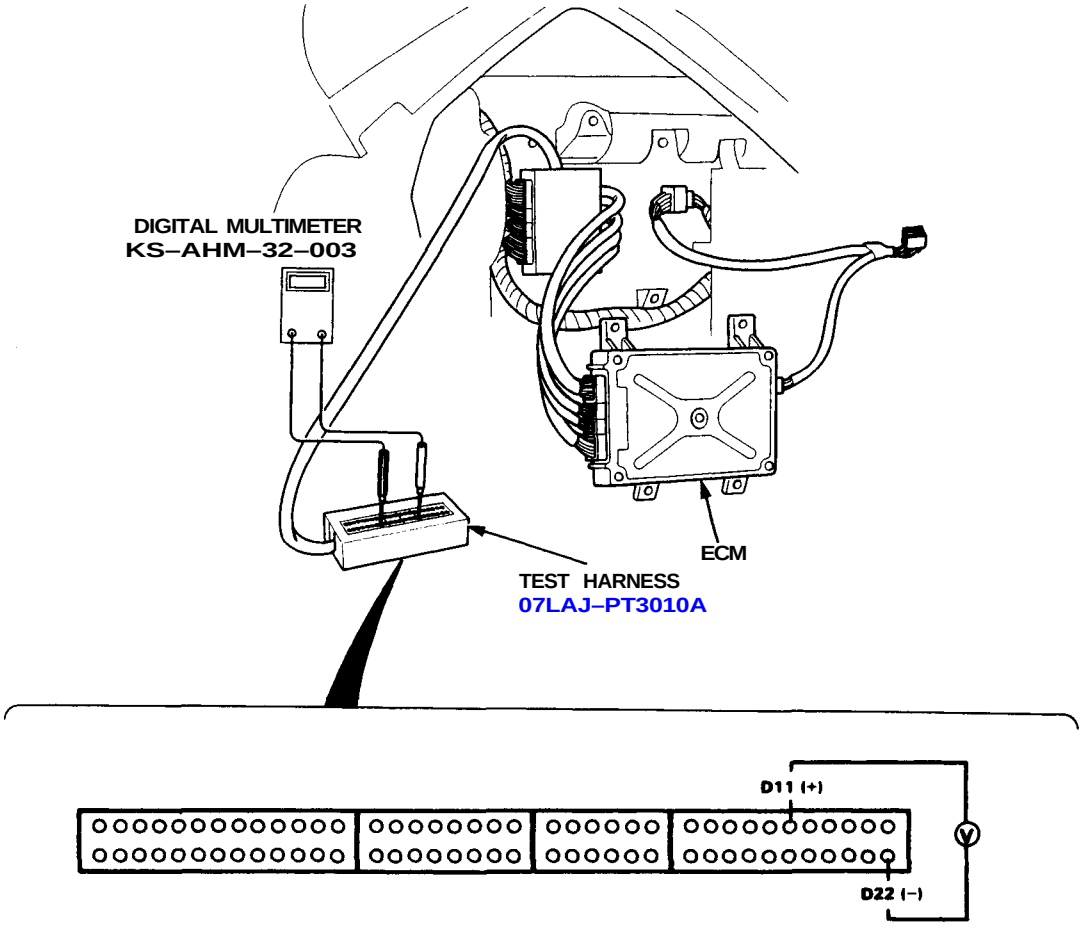
NOTE:
- Warm up the engine to normal operating temperature (the cooling fan comes on).
- When the engine coolant temperature is below normal operating temperature, the shift point is higher than specified vehicle speed.

D Range

1. Apply parking brake and block the wheels. Start the engine, then move the selector to D while depressing the brake pedal. Depress the accelerator pedal, and release it suddenly. Engine should not stall.
2. Check that shift points occur at approximate speeds shown. Also check for abnormal noise and clutch slippage.

   NOTE: Throttle position sensor voltage represents the throttle opening.

   – 1. Connect the Test Harness between the ECM and connector (see section 11).
   – 2. Set the digital multimeter to check voltage between D11 (+) terminal and D22 (-) terminal for the throttle position sensor.



- **Upshift**

		1st—2nd	2nd—3rd	3rd—4th	Lock up Clutch ON
Throttle position sensor voltage: 0.96 V Coasting down-hill from a stop	km/h	14—18	29—33	41—47	22—26
	mph	9—11	18—21	25—29	14—16
Throttle position sensor voltage: 2.35 V Acceleration from a stop	km/h	45—51	88—94	136—144	157—164
	mph	28—32	55—58	86—89	98—102
Full-throttle Acceleration from a stop	km/h	57—64	107—115	169—178	166—175
	mph	35—40	66—71	105—111	103—109

- **Downshift**

		Lock up Clutch OFF	4th—3rd	3rd—2nd	2nd—1st
Throttle position sensor voltage: 0.96 V Coasting or braking to a stop	km/h	20—26	28—34	——	9—15
	mph	12—16	17—21	——	6—9
Throttle position sensor voltage: 2.35 V When car is slowed by increased grade, wind, etc.	km/h	102—109	89—97	45—51	9—15
	mph	63—68	55—60	28—32	6—9
Full-throttle When car is slowed by increased grade, wind, etc.	km/h	161—169	156—165	96—105	42—49
	mph	100—105	97—103	60—65	26—30

3. Accelerate to about 35 mph (57 km/h) so the transmission is in 4th, then shift [D] to [2]. The car should immediately begin slowing down from engine braking.

CAUTION: Do not shift from [D] to [2] at speed over 76 mph (123 km/h): from [D] to [1] at speed over 45 mph (73 km/h); you may damage the transmission.

[1] (1st Gear)

1. Accelerate from a stop at full throttle. Check that there is no abnormal noise or clutch slippage.
2. Upshifts should not occur with the selector in this range.

[2] (2nd Gear)

1. Accelerate from a stop at full throttle. Check that there is no abnormal noise or clutch slippage.
2. Upshifts and downshifts should not occur with the selector in this range.

[3] (3rd Gear)

Accelerate from a stop at full throttle. Check that there is no abnormal noise or clutch slippage.

[R] (Reverse)

Accelerate from a stop at full throttle, and check for abnormal noise and clutch slippage.

[P] (Park)

Park car on a slope (approx. 16°), apply the parking brake, and shift into Park. Release the brake; the car should not move.