

Road Test

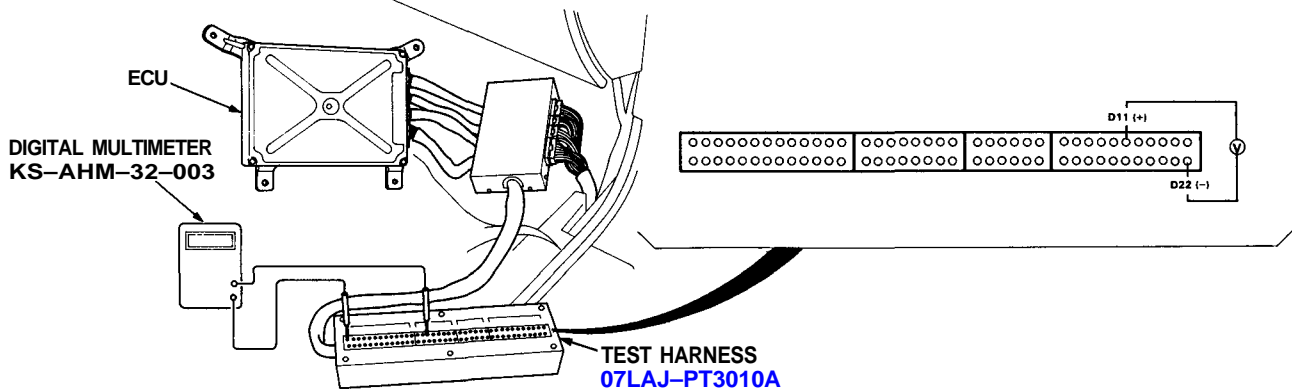
NOTE: Warm up the engine to operating temperature.

1. Apply parking brake and block the wheels. Start the engine, then move the selector lever to **D₄** position while depressing the brake pedal. Depress the accelerator pedal, and release it suddenly. Engine should not stall.
2. Repeat same test in **D₃** position.
3. Shift the selector lever to **D₄** position and check that the shift points occur at approximate speeds shown. Also check for abnormal noise and clutch slippage.

NOTE: Throttle angle sensor voltage represents the throttle opening.

- 1. Connect the Test Harness between the ECU and connector (See page 11-21).
- 2. Set the digital multimeter to check voltage between D11 (+) terminal and D22 (-) terminal for the throttle angle sensor.

Throttle Angle Sensor Voltage	Throttle Opening
0.822–0.878 V	1/16 Throttle
2.175–2.325 V	7/16 Throttle



U.S. Model: **D₄** Position

● Upshift

		1st–2nd	2nd–3rd	3rd–4th	Lock up Clutch ON
Throttle angle sensor voltage: 0.822–0.878 V (1/16 throttle) Coasting down-hill from a stop	mph	9–12	15.5–19	23–27.5	16.5–20
	km/h	15–19	25–30	37–44	27–32
Throttle angle sensor voltage: 2.175–2.325 V (7/16 throttle) Acceleration from a stop	mph	20–24	36.5–42	51.5–57.5	71.5–77
	km/h	32–39	59–68	83–93	115–124
Full-throttle Acceleration from a stop	mph	36.5–42	65–73.5	99–110	101–112
	km/h	59–68	105–118	159–177	163–180

● Downshift

		Lock up Clutch OFF	4th–3rd	3rd–2nd	2nd–1st
Throttle angle sensor voltage: 0.822–0.878 V (1/16 throttle) Coasting or braking to a stop	mph	15.5–19	17.5–21	–	5.5–9
	km/h	25–30	28–34	–	9–14
Throttle angle sensor voltage: 2.175–2.325 V (7/16 throttle) When car is slowed by increased grade, wind, etc.	mph	58.5–64	–	–	–
	km/h	94–103	–	–	–
Full-throttle When car is slowed by increased grade, wind, etc.	mph	96–106.5	85–95.5	54–61	24.5–30
	km/h	154–171	138–154	87–98	39–48



CANADA model: **D4** Position

● Upshift

		1st—2nd	2nd—3rd	3rd—4th	Lock up Clutch ON
Throttle angle sensor voltage: 0.822—0.878 V (1/16 throttle) Coasting down-hill from a stop	km/h	15—19	25—30	37—44	27—32
	mph	9—12	15.5—19	23—27.5	16.5—20
Throttle angle sensor voltage: 2.175—2.325 V (7/16 throttle) Acceleration from a stop	km/h	34—40	61—70	88—97	115—124
	mph	21—25	38—43.5	54.5—60.5	71.5—77
Full-throttle Acceleration from a stop	km/h	61—70	109—122	167—184	171—188
	mph	38—43.5	67.5—76	103.5—114.5	106—117

● Downshift

		Lock up Clutch OFF	4th—3rd	3rd—2nd	2nd—1st
Throttle angle sensor voltage: 0.822—0.878 V (1/16 throttle) Coasting or braking to a stop	km/h	25—30	28—34	—	9—14
	mph	15.5—19	17.5—21	—	5.5—9
Throttle angle sensor voltage: 2.175—2.325 V (7/16 throttle) When car is slowed by increased grade, wind, etc.	km/h	94—103	—	—	—
	mph	58.5—64	—	—	—
Full-throttle When car is slowed by increased grade, wind, etc.	km/h	163—179	142—159	92—103	42—51
	mph	101—111.5	88.5—99	57—64	26—31.5

4. Accelerate to about 35 mph (57 km/h) so the transmission is in 4th, then shift **D4** to **2**. The car should immediately begin slowing down from engine braking.

CAUTION: Do not shift from **D4** or **D3** to **2** or **1** at speeds over 62.5 mph (100 km/h); you may damage the transmission.

5. Check for abnormal noise and clutch slippage in the following position.

1 (1st Gear) Position

- 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 position.

2 (2nd Gear) Position

- 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 position.

R (Reverse) Position

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

6. Test in **P** (Parking) Position

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