

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Check Valve Spring Bolts	7 N·m	62 lb in
Control Cable Adjusting Nut	8 N·m	71 lb in
Damping Block Connection Nut and Bolt	80 N·m	59 lb ft
Differential Case-to-Differential Ring Gear Bolt	102 N·m	75 lb ft
Drain Plug	17 N·m	13 lb ft
Fluid Cooler Inlet Pipe Bolt	9 N·m	80 lb in
Fluid Cooler Inlet Pipe Fitting Nut	35 N·m	26 lb ft
Fluid Cooler Rear Outlet Pipe Clip Bolt	9 N·m	80 lb in
Fluid Cooler Rear Outlet Pipe Fitting Nut	35 N·m	26 lb ft
Front Outlet Pipe Clip Bolt	9 N·m	80 lb in
Front Outlet Pipe Union Bolt	35 N·m	26 lb ft
Input Speed Sensor Retaining Bolt	5 N·m	44 lb in
Manual Detent Spring Bolt	10 N·m	89 lb in
Manual Valve Lever Shaft Nut	12 N·m	106 lb in
Lower Transaxle-to-Engine Retaining Bolts	73 N·m	54 lb ft
Lower Transaxle-to-Engine Retaining Bolts	31 N·m	23 lb ft
Lower Transaxle-to-Engine Retaining Bolts	21 N·m	15 lb ft
Oil Pan Bolts	7 N·m	62 lb in
Oil Pump Bolts	25 N·m	18 lb ft
Oil Reservoir Lock Plate Bolts	5 N·m	44 lb in
Oil Strainer Bolts	10 N·m	89 lb in
Output Speed Sensor Retaining Bolt	7 N·m	62 lb in
Park/Neutral Position Switch Bolts	5 N·m	44 lb in
Parking Lock Pawl Bracket Bolts	7 N·m	62 lb in
Planetary Ring Gear Nut--Maximum	29 N·m	22 lb ft
Planetary Ring Gear Nut--Standard	10 N·m	89 lb in
Rear Mounting Bracket Bolts	60 N·m	44 lb ft
Screw Plugs	7 N·m	62 lb in
Shift Control Lever Assembly Mounting Bolts	8 N·m	71 lb in
Shift Solenoid Valve Bolts	11 N·m	97 lb in
Stator Shaft Bolts	25 N·m	18 lb ft
TCM Retaining Bolts	5 N·m	44 lb in
Torque Converter Bolts	45 N·m	43 lb ft
Transaxle Apply Clamp Bolt	5 N·m	44 lb in
Transaxle Case Plate Bolt	10 N·m	89 lb in

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Transaxle Housing Bolts	29 N·m	22 lb ft
Transaxle Rear Cover Bolts	25 N·m	18 lb ft
Unions	25 N·m	18 lb ft
Upper Transaxle Mounting Bracket Bolts	60 N·m	44 lb ft
Upper Transaxle-to-Engine Mounting Bolts	73 N·m	54 lb ft
Valve Body Bolts	11 N·m	97 lb in

Transmission General Specifications

Table 1: [Washer Thickness](#)

Table 2: [Shim Thickness](#)

Table 3: [Adjuster Shim Thickness](#)

Table 4: [Flange Thickness](#)

Table 5: [Accumulator Spring](#)

Application	Specification	
	Metric	English
Maker	AISIN	
Type or Model	81-40LE	
Gear Ratio - 1st	2.875:1	
Gear Ratio - 2nd	1.568:1	
Gear Ratio - 3rd	1.000:1	
Gear Ratio - 4th	0.697:1	
Reverse	2.300:1	
Final Drive Ratio	3.750:1	
Oil Capacity	5.6L	5.9 qt

Washer Thickness

Metric	English
0.95 mm	0.0374 in
1 mm	0.0394 in
1.05 mm	0.0413 in
1.1 mm	0.0433 in
1.15 mm	0.0453 in
1.2 mm	0.0472 in

Shim Thickness

Application	Specification	
	Metric	English
Mark A	1.8 mm	0.0709 in
Mark B	1.85 mm	0.0728 in
Mark C	1.9 mm	0.0748 in
Mark D	1.95 mm	0.0768 in
Mark E	2 mm	0.787 in
Mark F	2.05 mm	0.0807 in
Mark G	2.08 mm	0.0819 in
Mark H	2.11 mm	0.0831 in
Mark J	2.14 mm	0.0843 in
Mark K	2.17 mm	0.0854 in

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Mark L	2.2 mm	0.0866 in
Mark M	2.23 mm	0.0878 in
Mark N	2.26 mm	0.089 in
Mark P	2.29 mm	0.0902 in
Mark Q	2.32 mm	0.0913 in
Mark R	2.35 mm	0.0925 in
Mark S	2.4 mm	0.0945 in
Mark T	2.45 mm	0.0965 in
Mark U	2.5 mm	0.0984 in
Mark V	2.55 mm	0.1004 in
Mark W	2.6 mm	0.1024 in
Mark X	2.65 mm	0.1043 in
Mark Y	2.7 mm	0.1063 in

Adjuster Shim Thickness

Application	Specification	
	Metric	English
Mark 1	1.70 mm	0.0669 in
Mark 2	1.75 mm	0.0689 in
Mark 3	1.80 mm	0.0709 in
Mark 4	1.85 mm	0.0728 in
Mark 5	1.90 mm	0.0748 in
Mark 6	1.93 mm	0.0760 in
Mark 7	1.96 mm	0.0772 in
Mark A	1.99 mm	0.0783 in
Mark B	2.02 mm	0.0795 in
Mark C	2.05 mm	0.0807 in
Mark D	2.08 mm	0.0819 in
Mark E	2.11 mm	0.0831 in
Mark F	2.14 mm	0.0843 in
Mark G	2.17 mm	0.0854 in
Mark H	2.20 mm	0.0866 in
Mark K	2.25 mm	0.0886 in
Mark L	2.30 mm	0.0906 in
Mark M	2.35 mm	0.0925 in
Mark N	2.40 mm	0.0945 in
Mark P	2.45 mm	0.0965 in
Mark Q	2.50 mm	0.0984 in
Mark R	2.55 mm	0.1004 in
Mark S	2.60 mm	0.1024 in
Mark U	2.65 mm	0.1043 in

Mark W	2.70 mm	0.1063 in
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Flange Thickness

Mark	Thickness	
	Metric	English
1	1.8 mm	0.071 in
2	2.0 mm	0.079 in
3	2.2 mm	0.087 in
4	2.4 mm	0.094 in
5	2.6 mm	0.102 in

Accumulator Spring

Spring	Free length Outer Diameter		Color
	Metric	English	
O/D and 2nd brake	47.13 mm/16.0 mm	1.8555 in/0.630 in	Pink
Forward Clutch	57.90 mm/17.2 mm	2.2795 in/0.677 in	--
Direct Clutch	57.20 mm/17.5 mm	2.2520 in/0.689 in	Green

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Transmission Gear Ratio

Gear	Ratio
First	2.875
Second	1.568
Third	1.000
Fourth	0.697
Reverse	2.300
Counter	1.019
Differential 1.4L/1.5L/1.2L SOHC	3.750
Differential 1.4L DOHC	4.052

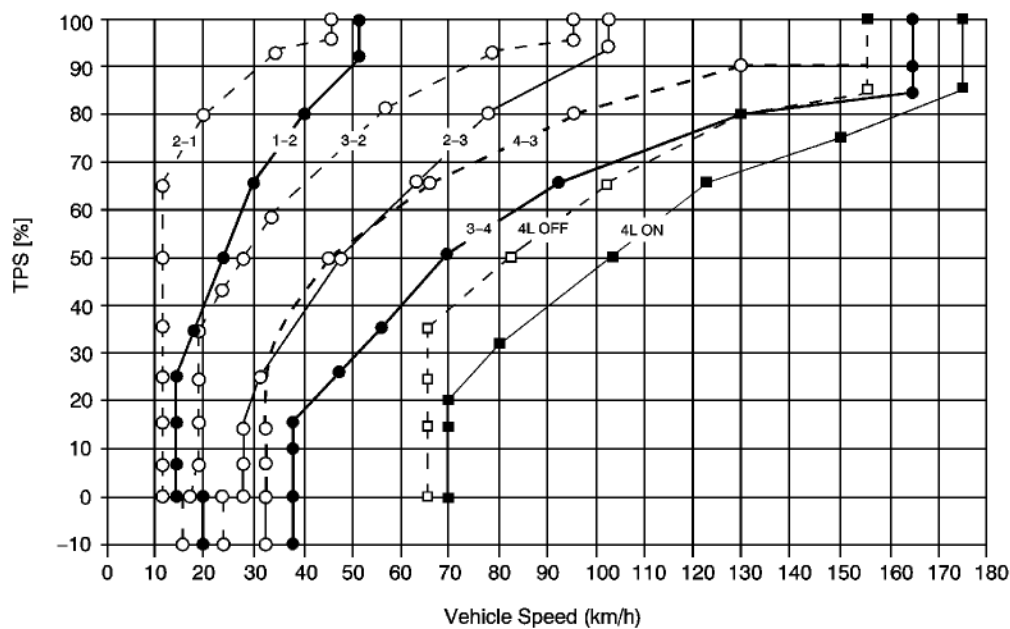
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Fluid Capacity Specifications

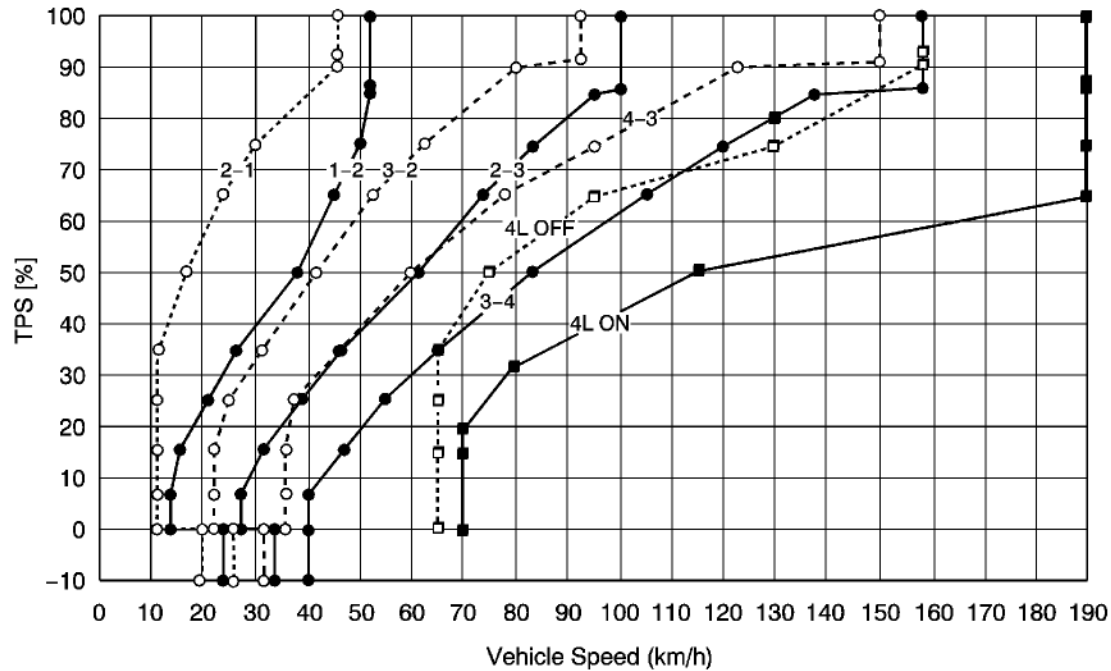
Application	Specification	
	Metric	English
Transmission Fluid--Drain and Refill	2.1L	2.2 qt
Transmission Fluid--Dry Fill - 1.4L/1.5L/1.2L SOHC	5.6L	5.9 qt
Transmission Fluid--Dry Fill - 1.4L DOHC	5.8L	6.2 qt

Shift Speed

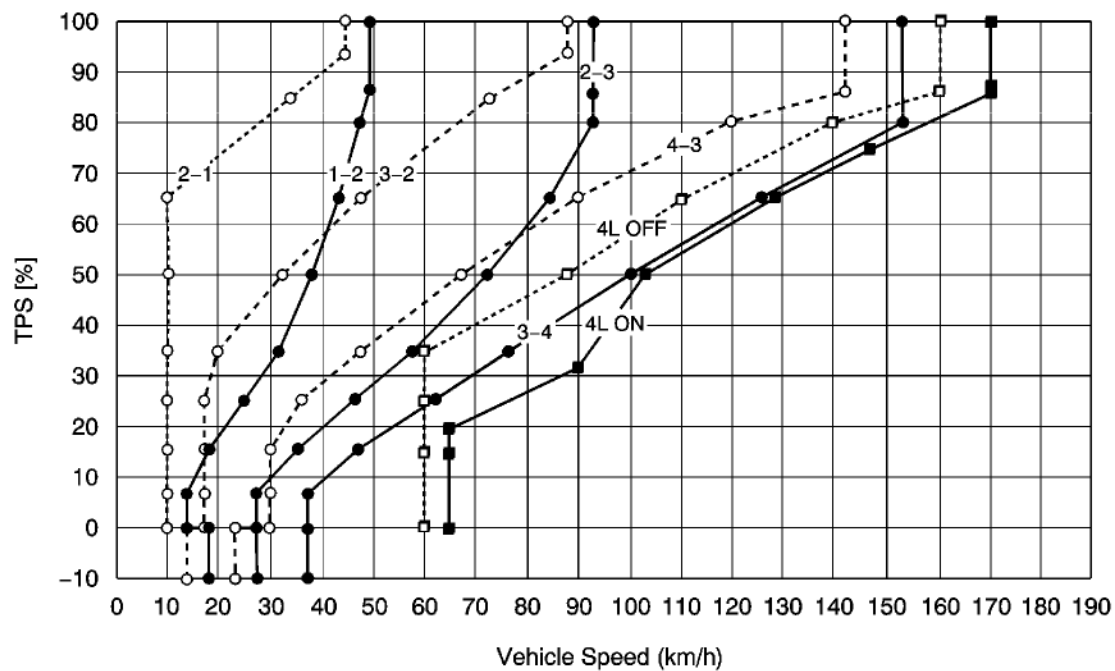
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Economic Mode (1.2L SOHC)

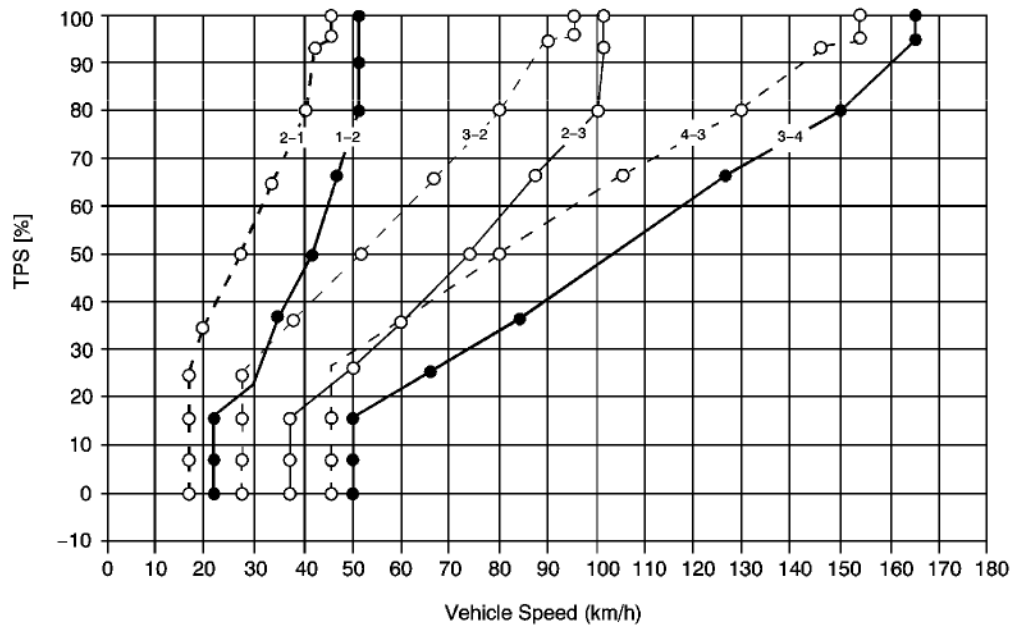


Economic Mode (1.4L DOHC)

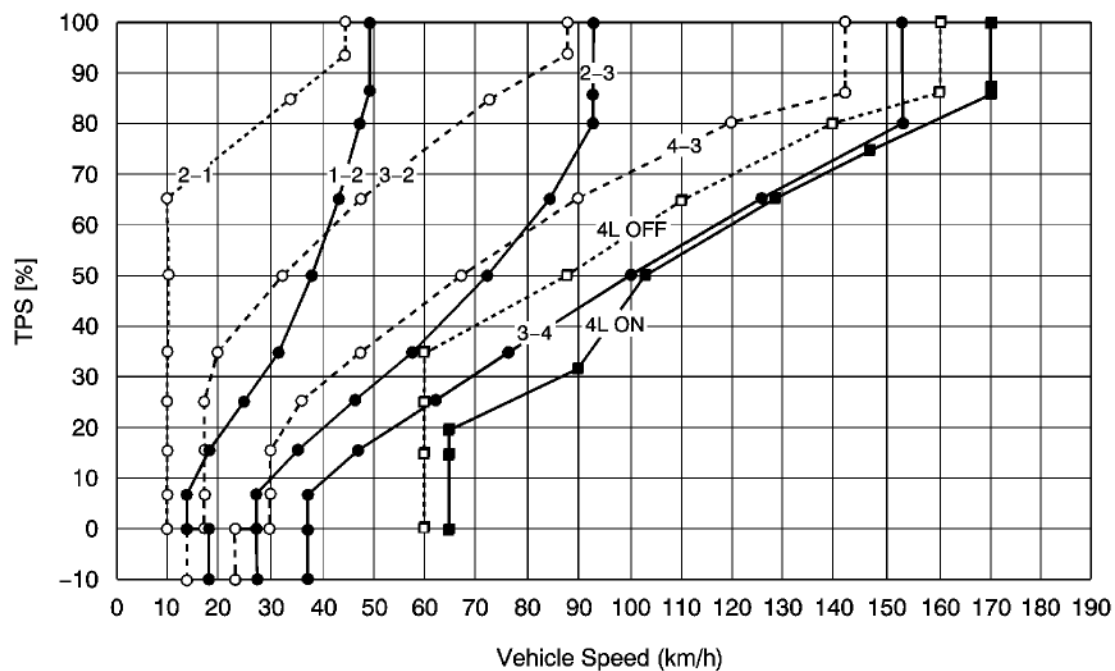




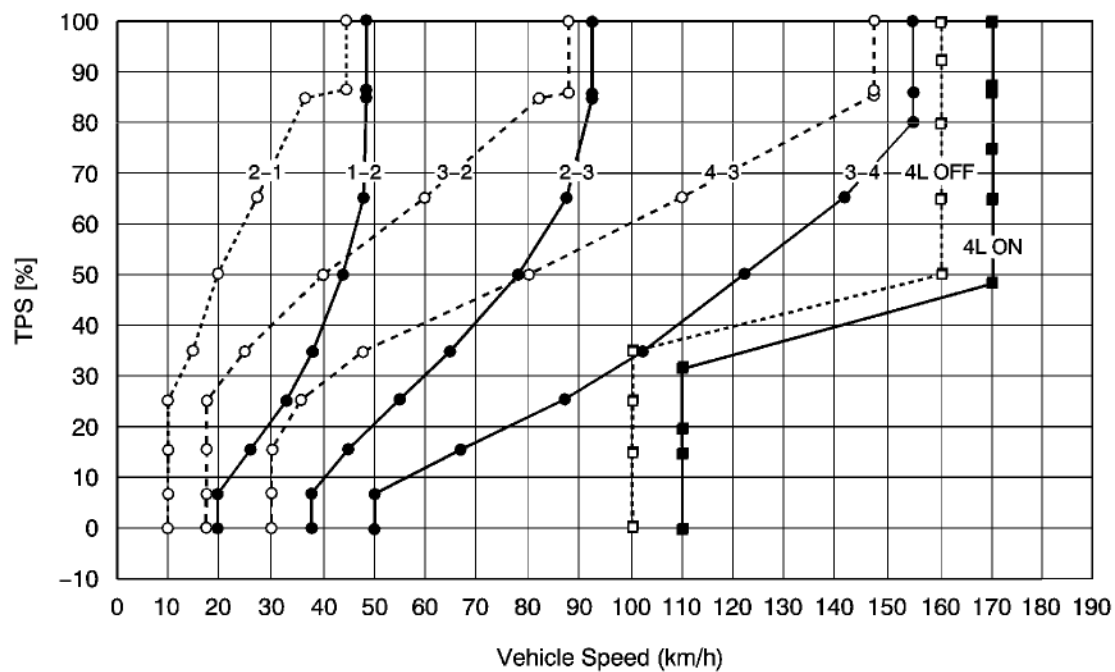
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Power Mode (1.2L SOHC)

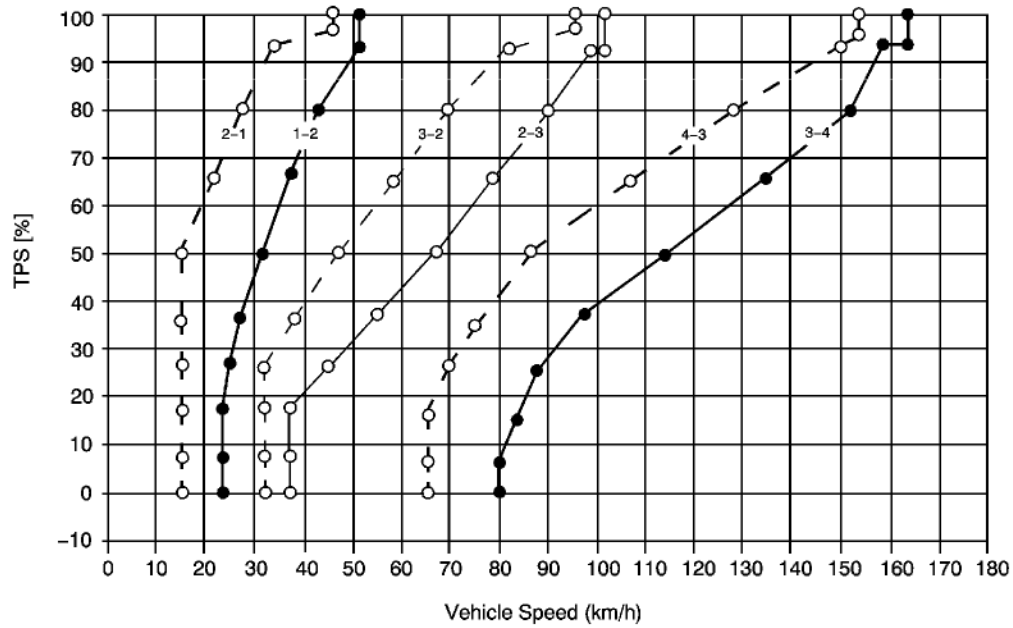


Power Mode (1.4L DOHC)

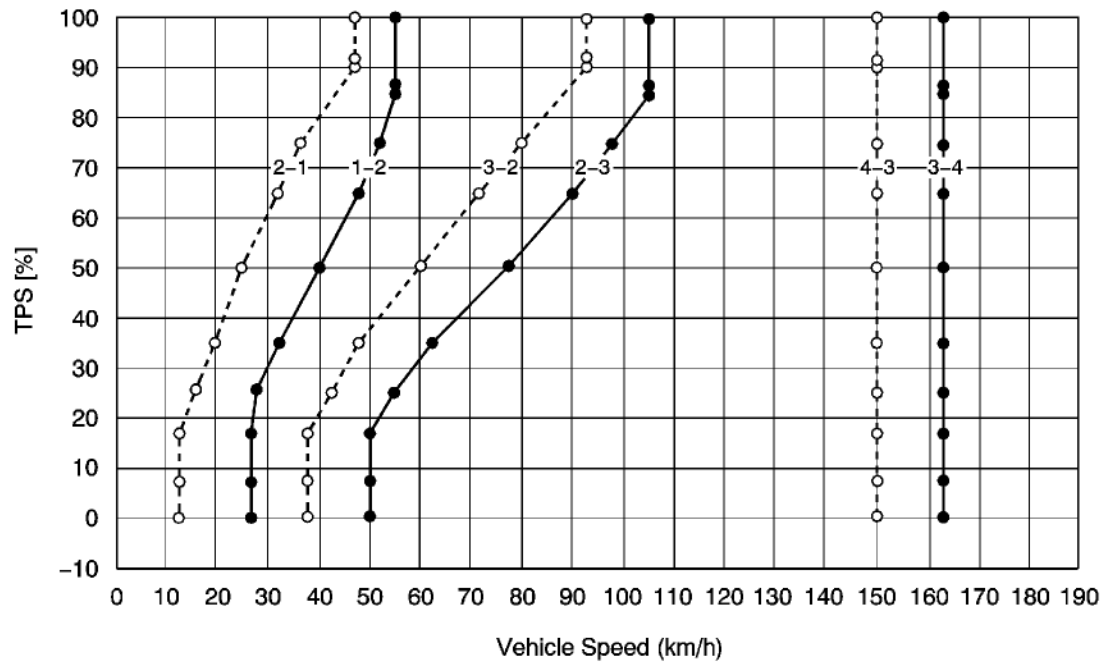




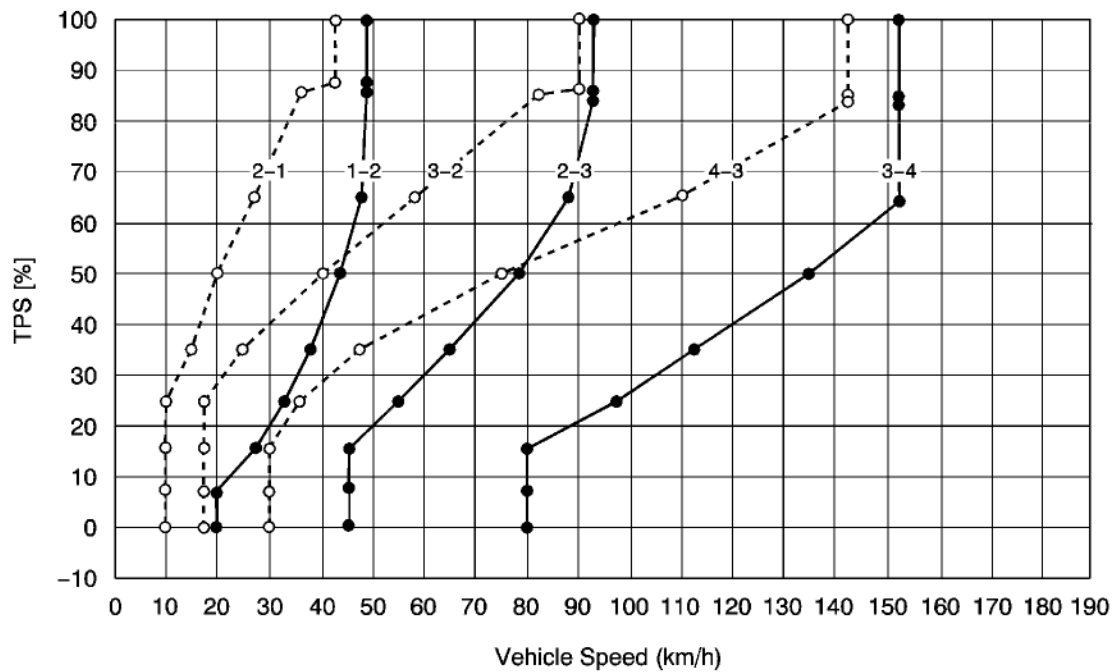
Up-Slope 1 Mode (1.4 / 1.5L SOHC)



Up-Slope 1 Mode (1.2L SOHC)

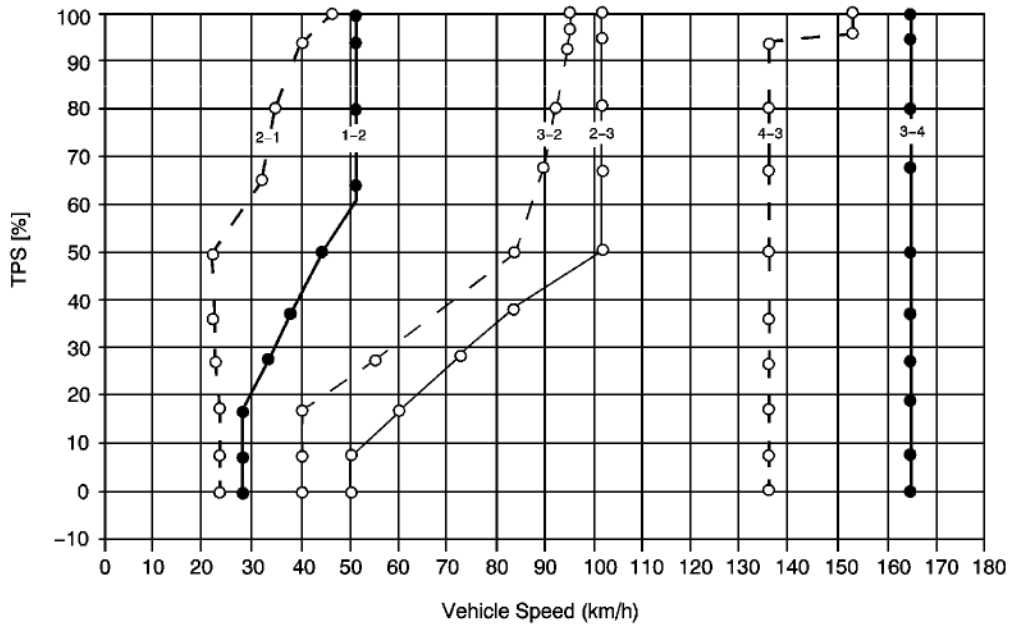


Up-Slope 1 Mode (1.4L DOHC)

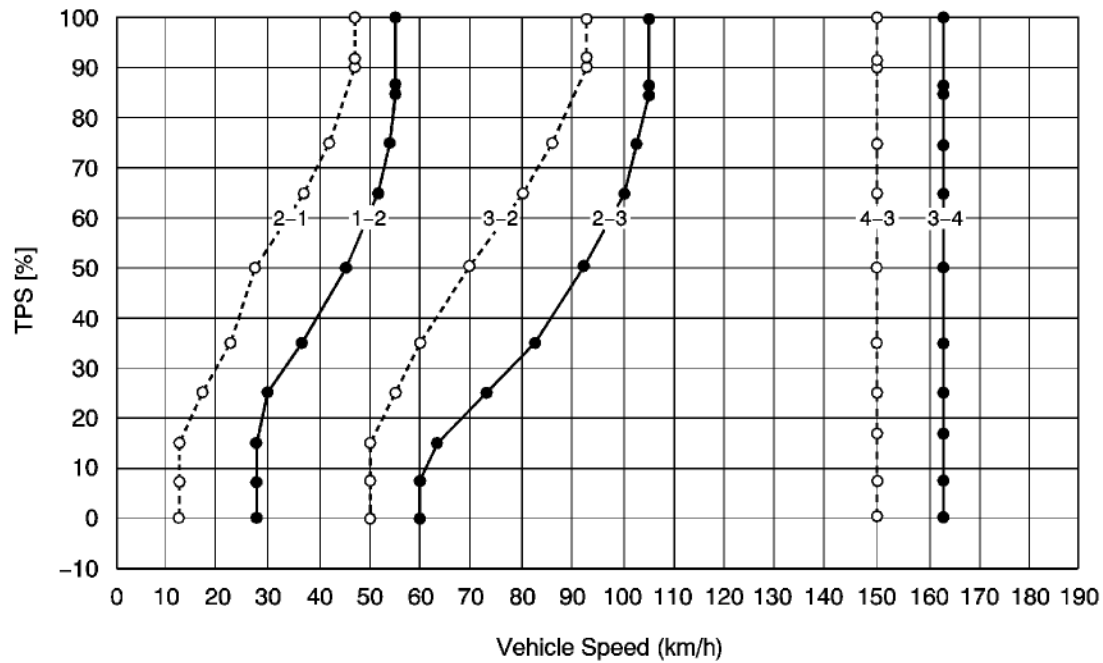




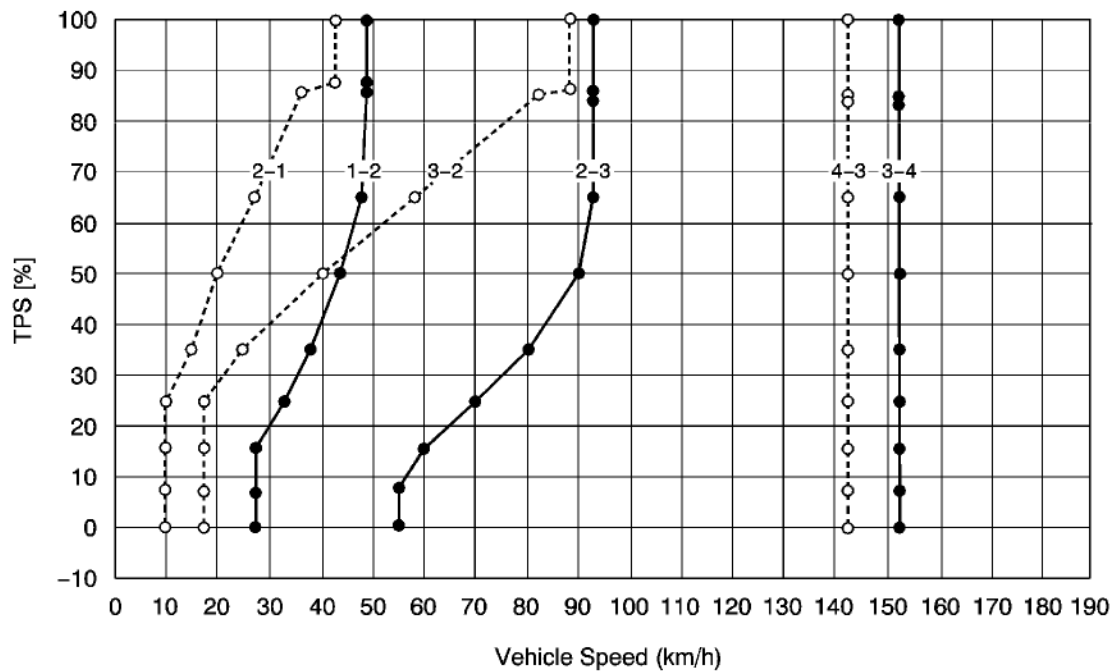
Up-Slope 2 Mode (1.4 / 1.5L SOHC)



Up-Slope 2 Mode (1.2L SOHC)

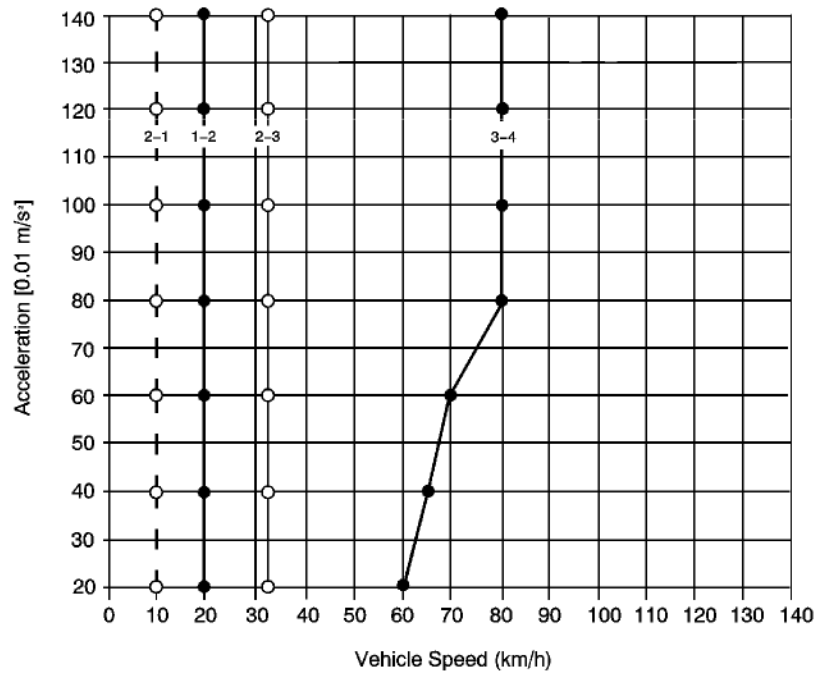


Up-Slope 2 Mode (1.4L DOHC)

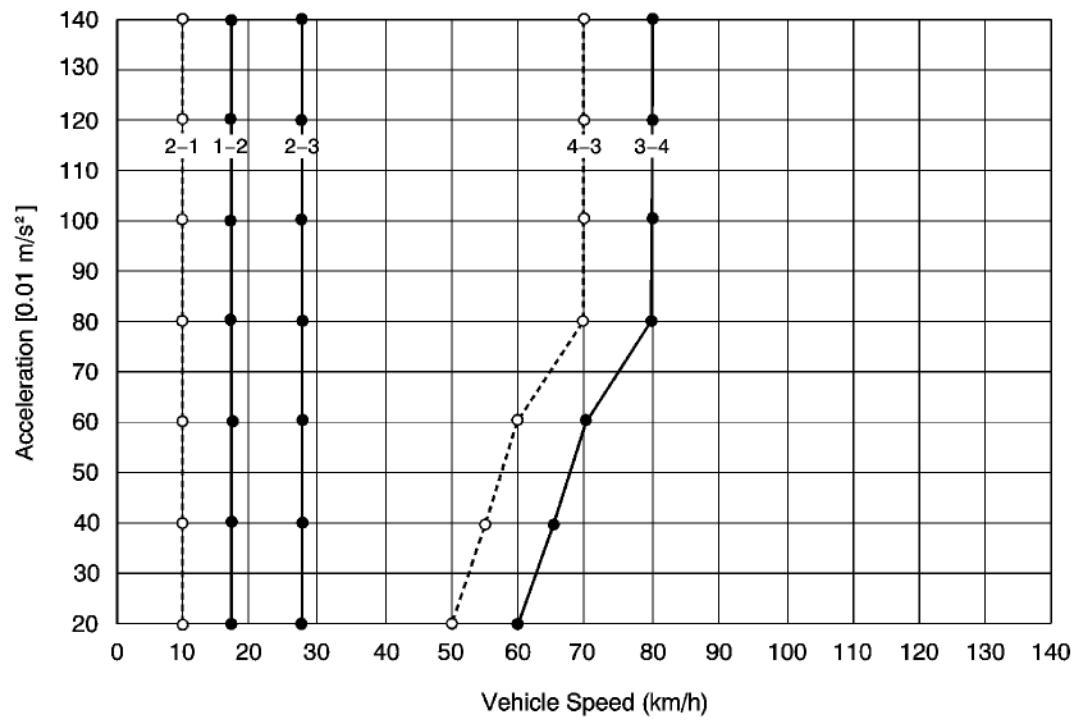




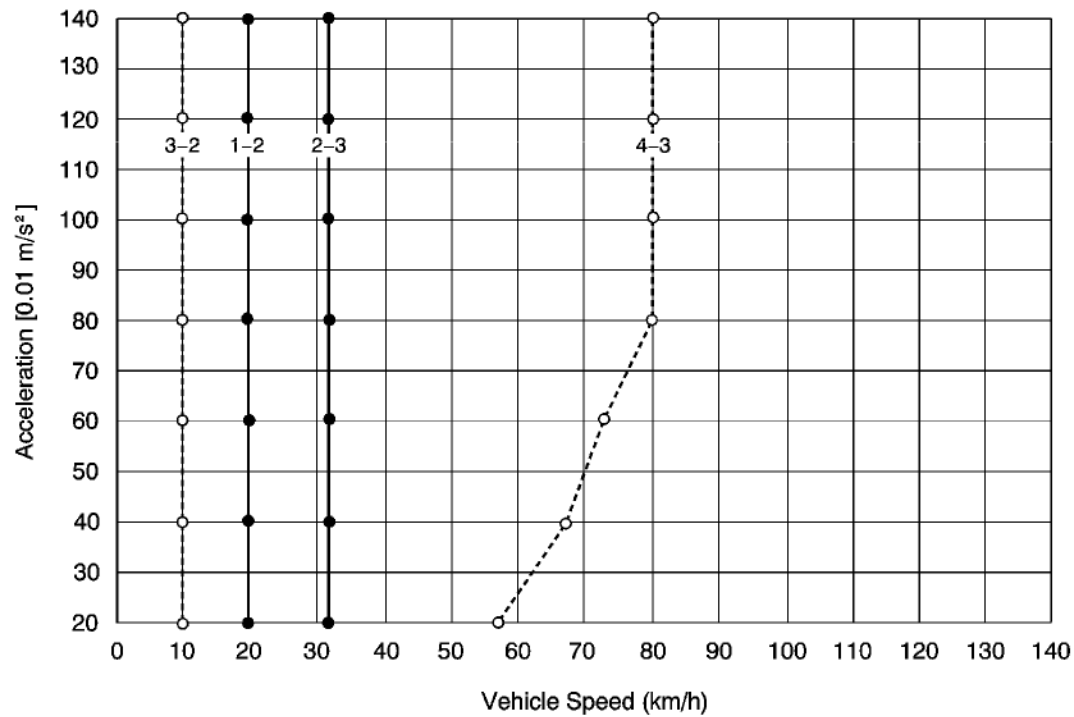
Down-Slope Mode (1.4 / 1.5L SOHC)



Down-Slope 2 Mode (1.2L SOHC)



Down-Slope 2 Mode (1.4L DOHC)





Line Pressure

Application	Specification	
	Metric	English
At D Range		
• Idling	3.9-4.2 kg/cm ²	55-60 psi
• Stall	11.3-12.5 kg/cm ²	161-178 psi
At R Range		
• Idling	6.0-6.9 kg/cm ²	85-98 psi
• Stall	16.2-18.6 kg/cm ²	230-265 psi