



Accelerator pedal opening angle is medium or higher immediately after shifting to R, 12.629 Miles (a)																							
VCH Time (sec)	652.8	653.3	653.8	654.3	654.8	655.3	655.8	656.3	656.8	657.3	657.4	657.8	658.3	658.8	659.3	659.8	660.3	660.8	661.3	661.8	662.3	662.8	
Total Time (sec)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	4.6	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	
Time From Trigger (sec)	4.6	4.1	3.6	3.1	2.6	2.1	1.6	1.1	0.6	0.1	T	0.4	0.9	1.4	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.4	
Time Between (sec)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
Vehicle Speed (mph)	9.9	9.3	8.7	8.7	8.7	6.8	4.4	1.9	0.0	0.0	0.0	0.0	2.5	5.0	6.2	5.6	3.1	1.9	1.2	0.0	3.7	8.7	
Vehicle Speed (km/h)	16	15	14	14	14	11	7	3	0	0	0	0	4	8	10	9	5	3	2	0	6	14	
Accelerator Opening Ratio (%)	0	0	0	0	0	0	0	0	0	6	31.5	45.5	50.5	50.5	0	0	0	0	4	22.5	34	34	
Engine RPM Data (rpm)	1000	1000	900	900	900	900	800	600	600	700	700	700	1300	1400	1100	900	700	700	800	900	1700	1900	
Shift Position Signal (1=forward; 2=Reverse)	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
Brake SW (1=On; 0=Off)	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	
Brake Oil Pressure (Mpa)	0.528	0.528	0	0.24	0.912	4.368	4.272	10.32	5.328	0	0	0	0	0	0	2.784	2.736	0.72	0	0	0	0	
Longitudinal G Sensor Signal (m/s2)	-0.7178	-1.14848	-0.7178	-1.00492	-1.86628	-3.30188	-2.36874	-2.29696	0.78958	-0.50246	-0.43068	-1.0767	-2.29696	-2.58408	-1.22026	0.3589	1.7945	0.7178	0.21534	2.1534	4.59392	2.79942	
Lateral G Sensor Signal (m/s2)	1.72722	2.72764	2.29696	2.72764	2.44052	0.64602	-0.21534	0.14356	0.78958	0.28712	0.3589	0.43068	1.29204	1.00492	-1.36382	-4.3068	-1.00492	-0.21534	0.21534	0.07178	0.57424	2.94298	
Throttle Opening Ratio (%)	0	0	0	0	0	2.5	0	0.5	0	0	0	3.5	11	12.5	0	0	0	0	0	8.5	19.5	18.5	
Steering Signal (deg)	121.5	243	274.5	315	342	337.5	306	256.5	148.5	76.5	58.5	-76.5	-243	-409.5	-477	-477	-463.5	-301.5	-121.5	54	220.5	337.5	

*Steering Signal=Red (Left); Yellow (Right)

VCH Data Chart (12,629 Miles (a))



Accelerator pedal opening angle is medium or higher immediately after shifting to R, 12, 029 Miles (b)																								
VCH Time (sec)	1137.55	1138.05	1138.55	1139.05	1139.55	1140.05	1140.55	1141.05	1141.55	1142.05	1142.55	1143.05	1143.55	1144.05	1144.55	1145.05	1145.55	1146.05	1146.55	1147.05	1147.55	1148.05	1148.55	1149.05
Total Time (sec)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	4.7	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11
Time From Trigger (sec)	4.65	4.15	3.65	3.15	2.65	2.15	1.65	1.15	0.65	0.15	1	0.35	0.85	1.35	1.85	2.35	2.85	3.35	3.85	4.35	4.85	5.35	5.85	6.35
Time Between (sec)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.35	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Vehicle Speed (mph)	13.7	11.8	9.9	8.1	5.6	3.1	1.2	0.0	0.0	0.0	0.0	0.0	1.9	9.9	9.9	8.7	9.9	17.4	21.1	24.2	27.6	31.0	34.4	37.8
Vehicle Speed (km/h)	22	19	16	13	9	5	2	0	0	0	0	0	3	16	16	14	16	28	34	39	44	55	57	62
Accelerator Opening Ratio (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Engine RPM Data (rpm)	1300	800	600	800	800	700	600	600	600	700	700	1400	1700	1700	1600	1400	1900	1900	2900	3500	3200	3200	3200	3300
Shift Position Signal (1=Forward, 2=Reverse)	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Brake SW (1=On, 0=Off)	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brake Oil Pressure (Mbar)	1.392	2.64	5.616	5.136	6.048	8.352	6.864	5.712	5.52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Longitudinal G Sensor Signal (m/s ²)	-0.7178	-1.7945	-2.08162	-2.39696	-2.1534	-1.65094	-3.15832	0.57424	-0.50246	-0.43068	-0.57424	-2.30874	-2.94288	-2.22518	-1.29204	-1.65094	-2.5123	-1.86628	-2.1534	-2.58408	-2.1534	-2.1534	-2.1534	-2.1534
Lateral G Sensor Signal (m/s ²)	0.3589	0.28712	0.43068	0.21534	0.57424	0.78958	0.21534	0.21534	0.43068	0.3589	0.28712	0.07178	0.14356	0.50246	0.28712	0.07178	0.07178	0.3589	0.43068	0.66602	0.14356	0.78958	0.78958	0.78958
Throttle Opening Ratio (%)	0	0.5	0	0	0	0	0	0	0	0	3	4	16	15.5	11	8.5	13	19.5	32	26.5	21.5	24.5	24.5	24.5
Steering Signal (deg)	0	-4.5	0	0	0	18	13.5	13.5	11.5	11.5	13.5	13.5	13.5	0	0	4.5	13.5	38	4.5	-4.5	4.5	4.5	4.5	4.5

*Steering Signal=Red (Left), Yellow (Right)

VCH Data Chart (12,629 Miles (b))



VCH Time (sec)	1145.55	1146.05	1146.55	1147.05	1147.55
Total Time (sec)	8	8.5	9	9.5	10
Time From Trigger (sec)	3.35	3.85	4.35	4.85	5.35
Time Between (sec)	0.5	0.5	0.5	0.5	
Vehicle Speed (mph)	12.4	21.1	24.2	23.6	23.6
Vehicle Speed (km/h)	20	34	39	38	38
Accelerator Opening Ratio (%)	74.5	74.5	74	73.5	74
Engine RPM Data (rpm)	1900	2900	3500	3200	3300
Shift Position Signal (1=forward; 2=Reverse)	2	2	2	2	2
Brake SW (1=On; 0=Off)	0	0	0	0	0
Brake Oil Pressure (Mpa)	0	0	0	0	0
Longitudinal G Sensor Signal (m/s ²)	-2.5123	-1.86628	-2.1534	-2.58408	-2.1534
Lateral G Sensor Signal (m/s ²)	0.3589	0.43068	0.64602	0.14356	0.78958
Throttle Opening Ratio (%)	19.5	32	26.5	21.5	24.5
Steering Signal (deg)	18	4.5	-4.5	-4.5	4.5



VCH Distance Chart (12,629 (b))⁶

VCH Time (sec)	Time in Reverse (sec)	Vehicle Speed (KPH)	Vehicle Speed (MPH)	Avg Speed (MPH)	Accel/Drag Factor (f)	Distance Covered Constant (feet)	Distance Covered (Accel/Drag)(ft)	Distance Covered in R (ft)	Accelerator Pedal (%)	Brake On = 1 Off = 0	Steering Input (Deg)
1142.55	0	0	0.0					0.00	38	0	13.5
1143.05	0.5	3	1.9		0.9		0.12	0.12	63	0	13.5
1143.55	0.5	16	9.9		0.74		4.33	4.45	63.5	0	0
1144.05	0.5	16	9.9	9.9		7.29		11.74	59	0	0
1144.55	0.5	14	8.7		-0.11		6.83	18.57	63	0	4.5
1145.05	0.5	16	9.9		0.11		6.83	25.40	70.5	0	13.5
1145.55	0.5	20	12.4		0.23		8.20	33.59	74.5	0	18
1146.05	0.5	34	21.1		0.79		12.29	45.89	74.5	0	4.5
1146.55	0.5	39	24.2		0.28		16.62	62.51	74	0	-4.5
1147.05	0.5	38	23.6		-0.06		17.53	80.04	73.5	0	4.5
1147.55	0.5	38	23.6	23.6		17.31		97.35	74	0	4.5

*Steering Signal=Red (Left); Yellow (Right)



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