

Light-Duty Automotive Technology and Fuel Economy Trends: 1975 Through 2008

Appendix H Data Stratified by Vehicle Type and Drive Type

Compliance and Innovative Strategies Division
and
Transportation and Climate Division

Office of Transportation and Air Quality
U.S. Environmental Protection Agency

NOTICE

This technical report does not necessarily represent final EPA decisions or positions. It is intended to present technical analysis of issues using data that are currently available. The purpose in the release of such reports is to facilitate the exchange of technical information and to inform the public of technical developments.



Table H-1

Characteristics of 1975 to 2008 Front Drive Cars

MODEL YEAR	SALES (000)	FRAC	FUEL ECONOMY			WGHT LB	VOL CU-FT	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG	CU-FT -MPG	CU-FT- TON-MPG	
			LAB 55/45	ADJ CITY	ADJ HWY			ADJ COMP	CID								HP
1975	539	.065	23.4	18.1	22.9	20.0	2790	147	88	14.8	103	.704	.0303	27.6			
1976	561	.058	24.0	18.9	22.9	20.5	2844	163	95	14.3	105	.680	.0319	28.8			
1977	774	.068	26.2	20.3	25.5	22.3	2706	93.8	142	88	14.4	104	.692	.0315	30.6	2264	2876
1978	1075	.096	26.8	20.9	25.7	22.8	2590	94.4	129	82	14.5	103	.693	.0310	30.1	2308	2838
1979	1283	.119	26.4	20.7	25.1	22.5	2634	94.6	137	84	14.5	104	.674	.0312	29.8	2211	2835
1980	2804	.297	26.9	20.8	26.3	23.0	2645	100.4	138	86	14.4	105	.652	.0320	30.7	2363	3087
1981	3235	.370	28.6	22.2	27.7	24.4	2646	103.0	133	85	14.2	105	.672	.0321	32.6	2566	3349
1982	3568	.456	30.2	23.2	29.7	25.7	2665	101.7	127	83	14.6	104	.677	.0310	34.5	2658	3512
1983	3784	.473	30.3	23.5	29.5	25.9	2682	104.2	129	85	14.4	104	.681	.0317	35.0	2751	3641
1984	5737	.537	29.7	23.0	29.0	25.3	2752	105.4	133	90	14.1	106	.694	.0325	35.2	2725	3709
1985	6648	.616	29.4	22.6	28.9	25.1	2825	106.5	142	97	13.5	108	.712	.0344	35.7	2722	3800
1986	7831	.711	29.9	22.8	29.4	25.4	2844	107.0	140	100	13.5	109	.730	.0347	36.4	2758	3893
1987	8267	.770	29.7	22.6	29.1	25.2	2868	106.2	140	103	13.3	110	.752	.0354	36.3	2703	3854
1988	8768	.817	30.0	22.5	29.3	25.3	2911	106.2	142	107	13.0	111	.775	.0364	36.9	2719	3927
1989	8267	.825	29.3	21.8	28.8	24.6	2980	107.0	147	115	12.6	113	.803	.0381	36.8	2665	3941
1990	7455	.846	28.6	21.1	28.3	24.0	3082	106.7	151	123	12.1	116	.844	.0397	37.1	2590	3966
1991	7096	.832	28.9	21.2	28.4	24.2	3046	106.3	149	124	12.1	116	.859	.0402	36.9	2603	3931
1992	6551	.808	28.4	20.5	28.2	23.7	3120	107.2	157	131	11.7	118	.868	.0416	37.1	2579	3986
1993	7195	.851	29.0	20.8	28.5	24.1	3109	107.6	154	130	11.8	118	.871	.0414	37.5	2625	4044
1994	7104	.844	28.9	20.7	28.5	24.0	3143	107.6	153	133	11.7	119	.895	.0417	37.8	2612	4066
1995	7701	.820	29.2	20.6	28.9	24.2	3155	108.6	154	144	11.0	123	.956	.0450	38.2	2655	4150
1996	6829	.865	29.0	20.3	28.5	23.9	3200	108.7	153	147	11.0	123	.974	.0454	38.2	2619	4159
1997	7213	.865	29.1	20.3	28.6	23.9	3197	108.3	153	149	10.9	124	.985	.0459	38.3	2611	4149
1998	6937	.870	29.2	20.2	28.5	23.9	3243	108.9	154	151	10.8	125	.998	.0462	38.8	2620	4225
1999	7305	.872	28.7	19.8	28.0	23.5	3307	109.2	157	156	10.7	126	1.010	.0467	38.8	2579	4247
2000	7752	.849	28.8	19.7	27.9	23.4	3313	110.3	156	158	10.6	126	1.030	.0473	38.8	2595	4283
2001	7073	.841	29.2	19.9	28.0	23.6	3312	110.2	155	158	10.6	127	1.034	.0474	39.3	2631	4331
2002	7052	.849	29.5	20.0	27.9	23.7	3320	110.9	157	163	10.4	128	1.056	.0486	39.5	2651	4379
2003	6495	.817	30.1	20.2	28.4	24.1	3320	111.0	154	163	10.3	128	1.077	.0488	40.2	2702	4466
2004	6094	.808	30.2	20.1	28.5	24.1	3356	111.6	157	169	10.1	130	1.096	.0499	40.7	2721	4540
2005	6403	.798	31.1	20.6	28.9	24.7	3337	111.9	153	165	10.2	129	1.097	.0490	41.5	2804	4652
2006	6057	.758	30.9	20.5	28.9	24.6	3398	111.9	156	173	10.0	131	1.131	.0505	42.1	2792	4715
2007	6458	.804	32.0	21.2	29.6	25.3	3397	111.3	152	171	10.0	130	1.135	.0497	43.5	2875	4845
2008	6651	.779	32.2	21.3	29.8	25.4	3425	111.6	154	177	9.8	132	1.153	.0508	44.1	2902	4927

Percent of Front Drive Cars:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					VVT	HYBRID
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE			
1975	66.8				17.6			87.4	8.3	4.3							
1976	59.7				18.9			86.9	8.8	4.4							
1977	68.2				31.3		2.8	89.5	6.1	4.4							
1978	70.4				31.0		3.6	93.6	4.2	2.2							
1979	67.4				19.6		5.6	87.0	13.0	.0							
1980	48.8	1.0			9.5	1.6	6.8	67.8	32.2	.0							
1981	46.7				5.4	1.8	5.4	68.1	31.9	.0							
1982	41.0	32.2			5.0	13.9	2.7	71.0	29.0	.0							
1983	37.4	38.9			5.8	25.1	1.3	68.3	31.7	.0							
1984	30.3	42.4			8.6	27.9	1.6	69.0	31.0	.0							
1985	26.3	48.6			21.0	33.5	.7	63.3	29.4	7.2							
1986	27.1	52.4			33.1	34.2	.3	62.5	28.5	9.1	94.3	4.5	1.3				
1987	26.2	56.5			38.0	36.7	.0	66.3	24.7	9.0	82.1	11.7	6.1				
1988	25.5	64.6			48.5	35.1		67.5	23.8	8.7	76.9	11.1	12.0				
1989	21.7	68.6	.2		58.0	31.4	.0	61.0	29.3	9.7	73.1	12.9	14.0				
1990	19.7	73.1	.0		75.2	23.6	.0	61.1	28.8	10.1	65.6	5.4	29.0				
1991	21.0	73.7			77.5	22.3	.1	64.1	27.3	8.5	64.6	7.3	28.1			1.9	
1992	18.5	75.4			90.3	9.7	.0	61.6	27.3	11.1	65.5	5.5	29.0			3.4	
1993	18.7	76.3			91.9	8.1		60.4	29.7	9.9	62.1	3.5	34.5			3.8	
1994	17.4	78.8			93.9	6.1		61.3	26.3	12.4	56.2	2.2	41.6			7.7	
1995	16.8	82.4			98.6	1.4		60.4	27.5	12.1	46.3	1.3	52.4			9.9	
1996	14.6	84.4	.0		98.7	1.3	.1	56.2	33.3	10.6	38.9	1.1	60.0			11.6	
1997	13.1	86.1	.1		99.0	.9	.0	56.9	31.1	12.0	39.2	1.0	59.7	.0		9.7	
1998	11.5	88.0	.1		99.7	.2	.2	48.8	41.4	9.8	37.3	.9	61.3	.5		17.3	
1999	10.0	89.4	.0		99.8	.1	.1	47.4	42.0	10.5	33.7	1.1	64.0	1.2		15.9	
2000	9.7	89.3	.0		99.7		.3	46.5	36.1	17.4	33.5	.9	64.1	1.4		22.5	.1
2001	9.9	88.8	.3		99.7		.3	50.1	34.0	15.9	32.7	.4	64.8	2.1		26.6	.0
2002	9.5	89.8	.5		99.5		.5	45.7	38.9	15.4	30.3	.4	67.1	2.3		33.7	.4
2003	10.0	88.8	1.1		99.5		.5	48.8	36.3	15.0	26.2		71.0	2.8		41.9	.7
2004	8.5	89.6	1.7		99.6		.4	45.3	39.0	15.7	21.8		76.3	1.9		43.9	1.2
2005	8.2	88.9	2.8		99.5		.5	43.7	41.9	14.3	21.3		77.9	.8		54.1	2.6
2006	8.3	88.9	2.8		99.3		.7	46.5	36.3	17.2	18.7		81.2	.1		62.3	2.0
2007	7.2	81.2	11.6		100.0			42.8	43.8	13.4	14.6		85.4			67.8	4.2
2008	9.3	77.1	13.6		3.0	97.0		43.0	38.7	18.3	10.1		89.9			67.9	4.7

Table H-2

Characteristics of 1975 to 2008 Rear Drive Cars

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	VOL CU-FT	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG	CU-FT -MPG	CU-FT- TON-MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP			CID	HP							
1975	7698	.935	15.4	12.0	14.8	13.2	4146		298	139	14.1	112	.502	.0333	27.5		
1976	9161	.942	17.2	13.5	16.3	14.6	4133		294	136	14.4	111	.491	.0325	30.3		
1977	10526	.932	17.9	14.1	17.0	15.3	4034	111.6	289	136	13.9	112	.504	.0336	31.0	1744	3464
1978	10100	.904	19.4	15.1	18.6	16.5	3694	110.6	264	129	13.6	112	.522	.0345	30.6	1865	3399
1979	9474	.878	19.6	15.4	18.6	16.7	3604	110.8	253	124	13.7	111	.527	.0342	30.2	1882	3366
1980	6553	.694	22.3	17.4	21.4	19.0	3296	105.9	209	107	14.2	108	.554	.0323	31.5	2043	3359
1981	5436	.622	23.5	18.3	22.6	20.0	3333	108.6	211	107	14.4	107	.548	.0320	33.5	2203	3670
1982	4188	.536	23.3	18.0	22.8	19.9	3384	109.9	216	112	14.1	109	.553	.0330	33.9	2217	3762
1983	3973	.496	22.5	17.2	22.4	19.2	3547	113.6	236	123	13.6	111	.549	.0346	34.3	2200	3916
1984	4830	.453	23.1	17.6	23.1	19.7	3514	110.1	234	125	13.3	113	.569	.0356	34.9	2190	3857
1985	3918	.363	23.5	17.9	23.6	20.1	3576	110.6	240	135	12.7	116	.600	.0378	36.0	2226	4010
1986	3068	.279	23.8	18.0	24.0	20.3	3547	107.7	239	139	12.3	117	.625	.0393	36.0	2190	3918
1987	2347	.219	23.5	17.6	23.9	20.0	3608	107.7	241	147	12.0	120	.660	.0409	36.2	2163	3936
1988	1879	.175	23.5	17.4	23.9	19.9	3689	110.8	248	157	11.6	122	.675	.0428	36.9	2221	4140
1989	1654	.165	23.6	17.4	24.0	20.0	3708	111.7	244	153	11.9	121	.675	.0415	37.1	2240	4198
1990	1268	.144	23.6	17.3	23.7	19.9	3724	108.5	235	159	11.7	123	.732	.0429	37.1	2159	4079
1991	1310	.154	24.0	17.4	24.3	20.2	3726	109.3	240	177	10.7	129	.783	.0475	37.7	2208	4176
1992	1467	.181	24.6	17.8	24.6	20.6	3760	113.6	228	179	10.7	129	.834	.0475	38.7	2345	4451
1993	1161	.137	24.3	17.3	24.5	20.3	3814	113.1	243	189	10.5	132	.817	.0497	38.7	2297	4429
1994	1274	.151	24.0	17.0	24.3	20.0	3841	111.3	252	198	10.0	135	.819	.0516	38.5	2233	4329
1995	1585	.169	24.6	17.3	24.8	20.5	3783	109.0	230	194	10.1	134	.884	.0510	38.8	2239	4258
1996	943	.120	24.3	16.9	24.7	20.2	3862	110.5	257	207	9.7	137	.828	.0535	39.0	2226	4350
1997	977	.117	24.3	16.8	24.5	20.1	3827	109.6	244	209	9.5	139	.882	.0547	38.6	2203	4255
1998	855	.107	24.5	16.9	24.4	20.2	3771	104.0	242	218	9.1	142	.924	.0577	38.2	2106	4002
1999	888	.106	24.5	16.8	24.3	20.1	3799	105.7	242	226	8.8	145	.968	.0596	38.3	2128	4078
2000	1186	.130	25.0	17.1	24.5	20.4	3699	103.5	229	228	8.7	146	1.020	.0610	37.8	2127	3954
2001	1063	.126	24.8	16.9	24.3	20.3	3717	101.4	228	226	8.7	146	1.031	.0609	37.7	2065	3867
2002	933	.112	24.5	16.6	23.8	19.9	3784	98.6	234	237	8.5	149	1.049	.0628	37.7	1964	3752
2003	1151	.145	24.5	16.5	23.7	19.9	3872	100.8	230	245	8.4	150	1.095	.0636	38.5	2006	3944
2004	1035	.137	24.3	16.2	23.8	19.7	3863	100.6	231	246	8.4	151	1.100	.0641	38.2	1991	3897
2005	1163	.145	24.4	16.2	23.5	19.7	3955	104.7	236	257	8.3	153	1.142	.0654	39.0	2068	4147
2006	1475	.185	24.8	16.4	23.9	20.0	3950	107.1	235	265	8.1	156	1.155	.0671	39.7	2156	4302
2007	1121	.140	24.7	16.3	24.1	20.0	3954	102.1	240	277	7.9	159	1.185	.0700	39.7	2050	4098
2008	1281	.150	25.2	16.7	24.3	20.3	3922	100.9	230	272	8.0	158	1.211	.0690	40.0	2053	4087

Percent of Rear Drive Cars:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					VVT	HYBRID
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE			
1975	16.6				4.3		.3	53.2	24.4	22.4							
1976	14.5				2.2		.3	53.5	26.2	20.3							
1977	13.0				2.2		.3	49.2	25.9	24.9							
1978	14.9	7.4			2.3		.6	39.5	37.6	23.0							
1979	15.9	9.2			2.7		1.6	37.6	37.2	25.2							
1980	24.4	23.4			4.9	.3	3.5	48.0	35.7	16.2							
1981	20.3	53.3			6.6	3.1	6.3	41.0	39.4	19.6							
1982	19.5	68.0			9.2	6.4	6.4	43.6	33.1	23.4							
1983	14.3	76.4			13.5	14.1	2.9	35.7	33.9	30.4							
1984	16.1	77.7			22.8	20.8	1.8	42.7	28.0	29.2							
1985	15.1	77.0			22.9	31.3	1.3	40.8	29.2	30.0							
1986	17.0	74.4			46.0	14.9	.3	50.6	27.2	22.1		97.5		2.5			
1987	18.3	73.0			58.9	9.8	1.0	52.0	24.0	24.1		96.0		4.0			
1988	16.1	76.2			78.8	5.3	.0	51.1	16.2	32.7		95.5	1.5	3.0			
1989	14.9	75.9			83.3	10.7	.0	43.4	23.1	33.5		89.2	5.4	5.4			
1990	17.5	73.3			90.5	6.8	.2	41.1	29.8	29.1		77.9	5.1	17.0		4.2	
1991	15.8	75.2			79.5	20.1	.5	44.0	22.4	33.7		77.6	.3	22.1		5.6	
1992	10.6	83.0			85.7	14.0	.3	31.3	31.8	36.9		64.5		35.5		10.2	
1993	11.4	81.8			89.4	10.6		34.4	30.5	35.1		75.2		24.8		11.3	
1994	12.6	82.0			99.9		.1	42.1	25.8	32.1		73.8		26.2		10.3	
1995	12.9	80.5			99.6		.4	42.5	33.2	24.3		58.3		41.7	.0	10.2	
1996	14.5	79.6			99.7		.3	42.2	20.3	37.5		73.9		26.0	.0	13.1	
1997	13.9	85.9			99.7		.3	43.3	22.9	33.8		61.8	1.2	37.0	.1	24.7	
1998	15.7	84.0			99.6		.4	57.1	15.4	27.5		57.2	6.3	36.5	.1	27.5	
1999	15.9	83.3			99.5		.5	52.1	15.1	32.8		56.0	10.5	33.4	.1	25.8	
2000	18.3	79.3			99.6	.4		56.3	16.9	26.8		49.1	7.5	43.3	.0	29.0	
2001	16.8	82.8			100.0			58.9	13.8	27.3		41.7	12.8	45.4	.1	38.7	
2002	18.3	81.2			100.0			67.1	15.1	17.9		38.7	14.3	46.9	.1	36.5	
2003	15.5	84.5			100.0			58.5	16.7	24.8		32.4	15.6	51.9	.1	39.0	
2004	17.2	82.6			100.0			57.2	17.9	24.8		37.1	9.5	53.1	.2	46.9	
2005	13.1	86.6			99.4		.6	47.7	22.9	29.3		32.4	11.1	56.4	.0	43.2	
2006	12.5	87.2			99.6		.4	46.6	17.8	35.6		25.8	8.4	65.7		53.8	
2007	15.3	84.7			99.3		.7	51.9	22.0	26.2		25.9	6.5	67.6		58.4	.3
2008	14.9	84.9			5.6	94.1	.2	49.5	18.5	32.0		19.5	6.0	74.4		53.0	.2

Table H-3

Characteristics of 1975 to 2008 Four Wheel Drive Cars

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	VOL CU-FT	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG	CU-FT -MPG	CU-FT- TON-MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP			CID	HP							
1979	37	.003	27.6	21.7	26.1	23.5	2500	100.5	97	67	16.0	98	.691	.0268	29.4	2360	2950
1980	85	.009	20.9	16.7	19.2	17.8	3149	100.8	173	80	16.8	99	.541	.0257	28.0	1880	2819
1981	61	.007	24.3	19.4	22.5	20.7	2929	102.7	157	83	15.4	101	.576	.0284	30.3	2224	3117
1982	63	.008	25.3	20.1	23.4	21.5	3122	103.1	165	85	16.0	101	.564	.0271	33.4	2266	3439
1983	245	.031	31.6	25.3	29.0	26.8	2689	98.9	118	75	15.7	100	.675	.0279	36.3	2722	3586
1984	107	.010	27.6	21.9	25.9	23.5	2913	106.6	135	80	16.0	100	.643	.0274	34.4	2605	3672
1985	224	.021	32.5	25.7	30.5	27.7	2584	115.8	101	71	15.9	99	.703	.0275	36.1	3259	4181
1986	116	.011	26.9	21.1	25.3	22.8	2929	113.2	120	92	14.5	105	.789	.0312	33.5	2617	3793
1987	118	.011	26.8	20.9	25.1	22.7	2928	114.7	115	92	14.5	105	.811	.0313	33.3	2631	3821
1988	89	.008	28.8	22.4	26.5	24.2	2827	109.2	112	98	13.4	109	.890	.0346	34.2	2677	3752
1989	96	.010	28.9	22.3	26.7	24.2	2845	95.3	115	107	12.6	112	.948	.0378	34.7	2304	3290
1990	86	.010	26.8	20.3	25.4	22.4	3234	115.7	125	119	12.8	113	.959	.0367	36.3	2613	4210
1991	118	.014	26.6	19.9	25.2	22.2	3289	109.5	130	145	11.6	121	1.104	.0433	36.5	2455	4006
1992	90	.011	25.9	19.2	24.5	21.5	3492	109.1	140	191	9.8	137	1.400	.0552	37.5	2379	4102
1993	100	.012	28.0	20.7	26.3	23.2	3216	111.2	127	130	12.1	117	1.008	.0400	37.2	2585	4154
1994	36	.004	26.2	19.2	24.7	21.6	3442	117.3	140	140	12.0	118	.991	.0404	37.2	2556	4383
1995	109	.012	27.7	20.0	26.3	22.8	3310	115.4	135	143	11.3	121	1.056	.0430	37.7	2639	4359
1996	118	.015	26.7	19.1	25.4	21.9	3397	118.6	145	153	11.0	124	1.045	.0449	37.3	2623	4448
1997	144	.017	27.3	19.3	26.0	22.3	3397	119.3	147	160	10.6	126	1.086	.0470	38.0	2683	4547
1998	179	.023	26.5	18.7	25.2	21.6	3525	120.8	149	169	10.4	128	1.136	.0479	38.1	2626	4619
1999	186	.022	26.2	18.2	25.2	21.4	3558	119.8	149	171	10.3	129	1.152	.0481	38.1	2576	4574
2000	190	.021	26.3	18.4	24.7	21.3	3603	119.0	153	181	10.0	132	1.191	.0501	38.4	2554	4587
2001	273	.032	25.2	17.5	23.8	20.5	3831	115.2	157	200	9.8	136	1.292	.0523	39.4	2375	4564
2002	318	.038	25.8	17.7	24.4	20.8	3827	110.7	155	201	9.7	136	1.320	.0528	39.9	2326	4449
2003	305	.038	25.5	17.4	24.0	20.6	3866	102.7	166	201	9.9	135	1.240	.0517	39.9	2187	4147
2004	410	.054	24.8	16.8	23.4	19.9	4010	117.8	174	218	9.6	139	1.278	.0545	40.0	2359	4765
2005	462	.058	25.0	16.8	23.4	20.1	3966	121.0	177	226	9.2	142	1.294	.0568	39.8	2444	4845
2006	461	.058	25.4	17.1	23.7	20.3	3994	120.0	183	235	9.0	145	1.309	.0586	40.6	2455	4890
2007	451	.056	25.3	17.0	23.8	20.3	4011	116.0	190	243	8.8	147	1.290	.0601	40.8	2371	4742
2008	604	.071	25.5	17.1	24.1	20.5	4011	115.4	189	246	8.7	148	1.307	.0609	41.1	2379	4756

Percent of Four Wheel Drive Cars:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1979	100.0							100.0	.0	.0						
1980	53.5							100.0	.0	.0						
1981	73.3	26.7						100.0	.0	.0						
1982	67.5	32.5						100.0	.0	.0						
1983	55.8	14.5			1.0			100.0	.0	.0						
1984	59.2	35.4			7.8			100.0	.0	.0						
1985	54.0	36.7			9.8			93.1	6.9	.0						
1986	72.4	.0			34.7			90.3	9.7	.0	100.0					
1987	69.7	.5			27.6	6.8		94.9	5.1	.0	94.9	5.1				
1988	76.8	6.2			35.2	44.3		95.3	4.7	.0	75.2	14.7	10.1			
1989	60.9	15.4			78.1	21.0		77.1	22.9	.0	58.2	1.1	40.7			
1990	45.8	45.1	2.4		82.1	17.9		95.0	5.0	.0	28.6	5.9	65.5			
1991	42.4	45.0	3.1		87.5	12.5		97.3	2.7	.0	15.1	5.2	79.6			
1992	49.3	38.0	.1		100.0			97.7	2.3	.0	37.7	.5	61.9			
1993	32.6	63.9	.8		93.4	6.6		93.8	6.2	.0	14.6	2.0	83.3			
1994	29.2	61.6			100.0			98.4	1.6	.0	83.3		16.7			
1995	30.7	69.3			100.0			55.1	44.9	.0	5.8		94.2			
1996	31.0	67.5			100.0			44.4	55.6	.0	15.4		84.6		2.4	
1997	27.9	72.1			100.0			45.3	54.7	.0	11.3		84.8	4.0	1.4	
1998	24.3	75.7			100.0			36.7	63.3	.0	1.2		77.8	21.0	17.9	
1999	22.7	77.1			100.0			36.7	63.3	.0	1.2		70.9	27.9	22.7	
2000	25.4	74.4			100.0			32.0	67.6	.3			69.0	31.0	23.7	
2001	27.7	71.9			100.0			39.9	59.4	.7			3.7	56.7	39.6	32.9
2002	27.5	72.2			100.0			59.5	40.3	.2			2.9	72.1	25.1	30.3
2003	17.1	82.9			100.0			64.4	34.6	1.0	9.4		1.9	65.9	22.7	33.2
2004	17.2	82.7			100.0			54.7	28.6	16.7			6.8	73.5	19.6	40.8
2005	14.2	78.8	7.0		100.0			42.3	37.4	20.4	1.3		6.5	83.1	9.1	39.1
2006	13.3	81.5	5.2		100.0			41.0	36.8	22.2	3.6		4.9	88.3	3.2	59.6
2007	13.7	79.8	6.6		99.9		.1	42.0	41.1	16.9	.9		1.9	96.7	.5	51.5
2008	12.7	85.5	1.8		2.0	98.0	.1	39.2	45.5	15.3			99.6	.4	45.8	.6

Table H-4

Characteristics of 1975 to 2008 Front Drive Vans

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->			WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG	
			LAB 55/45	ADJ CITY	ADJ HWY		ADJ COMP	CID						HP
1981	1	.003	17.9	13.8	17.5	15.2	4115	318	135	13.7	111	.425	.0329	31.3
1983	0	.002	39.0	33.5	32.3	32.9	2250	97	52	18.3	93	.536	.0231	37.2
1984	151	.223	24.7	19.6	23.1	21.0	3340	143	97	15.3	104	.680	.0293	35.3
1985	260	.304	23.7	18.9	21.9	20.1	3422	148	100	15.2	104	.681	.0294	34.5
1986	255	.244	24.4	19.2	22.8	20.7	3442	150	100	15.4	104	.669	.0291	35.7
1987	307	.275	24.6	19.1	23.1	20.8	3503	163	122	13.6	111	.741	.0347	36.4
1988	411	.363	24.1	18.3	23.1	20.3	3714	173	133	13.2	114	.765	.0359	37.7
1989	439	.344	24.1	18.4	22.8	20.2	3724	168	131	13.5	113	.776	.0350	37.7
1990	590	.468	23.9	17.9	23.0	20.0	3828	184	135	13.3	113	.733	.0354	38.4
1991	395	.382	23.8	17.9	22.5	19.9	3919	186	136	13.5	113	.727	.0346	38.9
1992	554	.454	23.8	17.6	22.7	19.8	3894	187	138	13.2	114	.742	.0355	38.6
1993	718	.498	23.8	17.4	22.9	19.8	3838	188	143	12.7	116	.763	.0373	37.9
1994	741	.523	23.5	17.1	22.5	19.5	3902	193	145	12.7	116	.755	.0373	38.1
1995	1019	.613	23.5	16.9	22.8	19.5	3889	206	146	12.6	117	.722	.0375	37.9
1996	1040	.738	23.5	16.7	22.7	19.4	4061	202	166	11.8	122	.824	.0409	39.4
1997	819	.647	23.5	16.7	22.7	19.4	4048	195	161	12.0	120	.832	.0400	39.2
1998	1166	.783	23.8	16.7	23.1	19.6	4025	201	173	11.3	124	.864	.0431	39.4
1999	1112	.760	23.5	16.4	22.9	19.3	4147	204	175	11.4	124	.863	.0423	40.0
2000	1363	.806	23.8	16.5	23.0	19.4	4168	202	178	11.4	124	.888	.0427	40.5
2001	854	.693	24.3	16.7	23.3	19.8	4242	201	189	10.9	128	.946	.0447	42.0
2002	1048	.843	24.0	16.5	22.9	19.5	4318	207	197	10.8	129	.959	.0458	42.1
2003	1029	.835	24.4	16.6	23.2	19.7	4293	209	199	10.6	130	.955	.0464	42.3
2004	825	.866	24.3	16.3	23.4	19.6	4428	212	212	10.4	133	1.007	.0480	43.5
2005	1321	.892	24.4	16.3	23.3	19.6	4392	212	208	10.5	132	.984	.0474	43.2
2006	1047	.898	24.7	16.5	23.7	19.9	4424	213	210	10.4	132	.992	.0475	44.1
2007	821	.936	24.6	16.3	23.5	19.8	4430	218	224	9.9	136	1.034	.0506	43.9
2008	825	.925	24.9	16.6	23.8	20.0	4520	216	220	10.4	134	1.020	.0487	45.4

Percent of Front Drive Vans:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1981	100.0							.0	100.0	.0						
1983	33.3							100.0	100.0	.0						
1984	25.1	5.6						1.3	11.0	89.0						
1985	12.4	4.4			.1				6.7	93.3						
1986	8.7	6.1				.1			9.0	91.0						
1987	5.5	54.1			51.6	.2			8.4	91.6						
1988	3.0	78.4			79.2	20.8			2.9	97.1						
1989	2.6	58.8			72.7	27.3			2.2	97.8						
1990	1.9	96.7			67.9	32.1			2.9	97.1						
1991	.2	99.8			70.5	29.5			1.6	98.4						
1992	2.4	97.6			82.0	18.0			6.1	93.9						
1993	1.6	98.4			88.8	11.2			1.7	98.3						
1994	.6	99.4			90.8	9.2			1.0	99.0		99.7		.3		
1995	.1	99.9			93.2	6.8			.2	99.7	.2	96.7		3.3		
1996		100.0			100.0				.1	99.9	.0	94.4		5.6		
1997		100.0			100.0				.0	99.8	.2	92.5		7.5		
1998		100.0			100.0				.0	100.0	.0	88.0		12.0		
1999		100.0			100.0				.0	99.9	.1	83.6		16.4		10.8
2000		100.0			100.0				.0	99.9	.1	73.2		26.8		18.6
2001		100.0			100.0				.0	100.0	.0	67.4		32.6		24.5
2002		100.0			100.0				.0	99.9	.1	66.3		33.7		24.7
2003		100.0			100.0				.0	99.6	.4	69.1		30.9		23.5
2004		100.0			100.0				.0	100.0	.0	42.7		57.3		50.1
2005		97.0	3.0		100.0				.0	100.0	.0	62.0		38.0		26.2
2006		96.6	3.4		100.0				.0	100.0	.0	51.8		48.2		38.6
2007		97.9	2.1		100.0				.0	100.0	.0	48.6		51.4		49.3
2008		100.0			100.0				.0	100.0	.0	23.9		76.1		45.2

Table H-5

Characteristics of 1975 to 2008 Rear Drive Vans

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1975	457	1.000	13.1	10.6	11.9	11.1	4196	317	143	13.9	113	.448	.0341	23.8
1976	502	1.000	13.9	11.1	12.8	11.8	4200	324	146	13.7	114	.447	.0347	25.2
1977	514	1.000	14.7	11.9	13.3	12.5	4252	332	152	13.3	116	.458	.0359	26.9
1978	625	1.000	14.2	11.6	12.7	12.1	4249	329	149	13.4	115	.453	.0351	26.1
1979	480	1.000	13.5	11.1	12.1	11.5	4541	322	144	14.6	111	.451	.0317	26.5
1980	242	1.000	16.6	13.3	15.4	14.1	4353	288	130	15.2	108	.459	.0299	31.0
1981	244	.997	17.5	14.0	16.0	14.8	4325	284	129	15.3	108	.458	.0298	32.3
1982	310	1.000	17.3	13.9	15.9	14.7	4342	287	132	15.2	109	.463	.0303	32.3
1983	382	.998	17.7	14.1	16.5	15.1	4418	295	136	15.0	109	.466	.0307	33.7
1984	525	.777	17.7	14.0	16.6	15.1	4286	280	134	14.8	110	.497	.0311	32.9
1985	593	.693	18.0	14.3	16.8	15.3	4222	275	142	14.0	112	.533	.0335	32.9
1986	776	.743	19.5	15.3	18.4	16.6	4198	255	137	14.2	111	.559	.0327	35.1
1987	786	.705	19.6	15.2	18.7	16.6	4169	253	151	13.1	116	.622	.0362	34.9
1988	713	.630	19.8	15.1	19.0	16.7	4256	262	155	12.9	117	.615	.0366	35.7
1989	829	.649	19.8	15.0	19.1	16.7	4239	257	155	13.0	117	.627	.0366	35.7
1990	589	.467	19.3	14.5	18.6	16.2	4369	270	162	12.8	118	.619	.0372	35.6
1991	526	.509	20.1	15.0	19.3	16.8	4305	249	157	12.9	117	.664	.0366	36.4
1992	600	.491	19.8	14.7	19.0	16.6	4360	256	163	12.7	118	.664	.0375	36.3
1993	658	.456	20.2	14.9	19.5	16.9	4350	249	166	12.5	119	.692	.0383	36.8
1994	585	.413	19.5	14.3	18.6	16.2	4439	268	176	12.1	122	.669	.0397	36.1
1995	492	.296	19.0	13.9	18.0	15.7	4535	289	186	11.7	124	.660	.0414	35.8
1996	336	.239	19.2	13.9	18.2	15.9	4560	273	185	11.9	123	.691	.0406	36.3
1997	387	.306	19.8	14.2	18.8	16.3	4579	269	200	11.2	128	.748	.0436	37.3
1998	274	.184	19.5	13.9	18.5	16.0	4759	280	209	11.1	129	.750	.0441	38.1
1999	311	.213	18.9	13.5	17.8	15.5	4822	285	208	11.3	128	.731	.0431	37.3
2000	282	.167	19.1	13.6	17.8	15.6	4718	283	208	11.1	129	.735	.0440	36.9
2001	272	.221	18.9	13.3	17.9	15.4	4958	290	225	10.8	132	.779	.0454	38.3
2002	157	.126	18.7	13.2	17.2	15.1	4807	284	213	11.0	130	.752	.0445	36.5
2003	141	.114	19.4	13.6	17.7	15.6	4930	283	218	11.1	130	.767	.0441	38.6
2004	81	.085	20.1	13.9	18.5	16.2	4947	281	221	10.9	131	.785	.0448	39.9
2005	79	.054	19.9	13.8	18.2	16.0	4846	277	214	11.1	129	.769	.0442	38.6
2006	66	.057	19.4	13.4	17.7	15.6	5139	281	225	11.1	130	.800	.0438	40.0
2007	28	.032	20.0	13.8	18.3	16.1	5166	278	220	11.5	128	.786	.0424	41.5
2008	32	.036	19.6	13.6	17.9	15.8	5480	298	256	10.7	135	.848	.0462	43.2

Percent of Rear Drive Vans:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1975	23.3						.2	.4	66.1	33.6						
1976	20.5						.3	.3	61.4	38.3						
1977	14.3						.4	.4	61.0	38.6						
1978	13.0						.4	.4	63.8	35.8						
1979	14.8	6.8				1.8		1.8	65.1	33.1						
1980	26.0	39.0				6.5		6.5	53.8	39.7						
1981	21.7	46.8				4.6		4.6	56.1	39.3						
1982	15.7	45.8				3.0	1.8	4.8	58.0	37.2						
1983	12.0	59.4				3.5	4.4	3.6	60.2	36.2						
1984	12.7	57.1			8.6	4.0	1.2	12.6	54.3	33.1						
1985	8.4	66.5			9.1	4.2	.4	12.3	60.3	27.4						
1986	6.9	78.8			29.4	21.9	.5	8.5	70.9	20.6						
1987	5.1	74.1			43.0	42.8	.1	10.0	72.2	17.8						
1988	3.1	79.6			43.5	56.0	.2	4.9	75.9	19.2						
1989	2.5	86.3			49.9	50.0	.1	2.2	80.7	17.1						
1990	1.0	90.4			44.4	55.4	.1	1.1	80.6	18.2						
1991	1.5	94.3			53.1	46.7	.1	.8	84.8	14.4						
1992	.7	95.2			60.3	39.6	.1	.0	84.5	15.5						
1993	.8	95.6			66.3	33.7		.0	83.8	16.2						
1994	.3	94.7			66.6	33.4		.0	80.9	19.1	97.4	.2	2.4			
1995		94.4			71.6	28.4		.0	79.2	20.8	96.7		3.3			
1996		93.2			100.0			.0	67.4	32.6	94.7	3.2	2.1			
1997		98.6			100.0			.0	64.4	35.6	96.9	2.2	.9			
1998		100.0			100.0			.0	51.8	48.2	97.7		2.3			
1999		100.0			100.0			.0	45.4	54.6	100.0					
2000		100.0			100.0			.0	40.5	59.5	100.0					
2001		100.0			100.0			.0	19.8	80.2	100.0					
2002		100.0			100.0			.0	29.3	70.7	100.0					
2003		100.0			100.0			.0	29.4	70.6	100.0					
2004		100.0			100.0			.0	31.4	68.6	100.0					
2005		100.0			100.0			.0	35.1	64.9	100.0					
2006		100.0			100.0			.0	.0	100.0	100.0					
2007		100.0			100.0			.0	.0	100.0	100.0					
2008		100.0			100.0			.0	25.6	74.4	100.0					

Table H-6

Characteristics of 1975 to 2008 Four Wheel Drive Vans

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->			WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG	
			LAB 55/45	ADJ CITY	ADJ HWY		ADJ COMP	CID						HP
1985	3	.003	25.0	19.2	24.8	21.4	3000	122	88	14.9	103	.721	.0293	32.0
1986	13	.013	25.1	19.1	24.8	21.4	3000	122	88	14.9	103	.721	.0293	32.0
1987	21	.019	24.2	19.0	22.4	20.5	3459	128	94	15.8	102	.739	.0276	35.6
1988	9	.008	26.2	20.0	25.1	22.1	3378	125	97	15.2	104	.777	.0289	37.2
1989	9	.007	23.4	17.9	22.0	19.6	3567	135	106	15.1	105	.781	.0299	35.1
1990	83	.066	20.1	15.2	19.1	16.9	4050	202	151	12.7	117	.765	.0375	34.2
1991	113	.109	20.6	15.5	19.6	17.2	4076	200	152	12.6	117	.778	.0374	35.1
1992	67	.055	20.3	15.1	19.3	16.9	4409	212	161	12.9	117	.774	.0366	37.2
1993	65	.045	20.3	15.0	19.5	16.9	4571	229	174	12.5	120	.765	.0381	38.7
1994	91	.064	20.7	15.1	19.9	17.2	4408	219	169	12.4	120	.781	.0383	37.8
1995	150	.091	21.7	15.7	20.9	18.0	4209	208	159	12.5	118	.775	.0378	37.8
1996	33	.023	20.0	14.5	19.0	16.5	4727	244	177	12.6	120	.735	.0375	39.0
1997	59	.047	20.0	14.3	19.0	16.4	4693	243	179	12.4	120	.741	.0380	38.6
1998	48	.032	20.2	14.4	19.3	16.6	4713	238	180	12.4	121	.762	.0382	39.2
1999	40	.027	20.4	14.4	19.3	16.7	4747	250	186	12.1	122	.745	.0393	39.6
2000	46	.027	20.5	14.5	19.2	16.7	4764	252	181	12.4	120	.717	.0380	39.9
2001	107	.087	17.3	12.1	16.5	14.2	5614	300	241	11.3	130	.805	.0428	40.0
2002	38	.030	19.8	13.8	18.8	16.1	4772	240	195	11.7	125	.824	.0411	39.1
2003	62	.050	20.7	14.3	19.5	16.8	4839	239	202	11.6	126	.854	.0416	41.0
2004	47	.049	21.6	14.8	20.1	17.4	4731	228	222	10.5	133	.994	.0471	41.4
2005	81	.055	22.4	15.4	20.6	18.0	4645	206	213	10.7	131	1.051	.0460	41.9
2006	53	.045	22.7	15.5	20.9	18.2	4669	205	214	10.7	131	1.052	.0459	42.5
2007	28	.032	22.9	15.7	20.9	18.3	4676	211	234	10.0	137	1.128	.0501	42.8
2008	35	.039	22.1	15.1	20.3	17.7	4697	231	272	8.8	148	1.198	.0581	41.5

Percent of Four Wheel Drive Vans:

MODEL YEAR	TRANSMISSION		FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES						
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1985	100.0							100.0	.0	.0						
1986	100.0							100.0	.0	.0						
1987	77.1	22.9			67.5			100.0	.0	.0						
1988	89.7	10.3			100.0			100.0	.0	.0						
1989	61.4	37.2			100.0			82.6	17.4	.0						
1990	3.2	92.5			85.0	15.0		8.4	91.6	.0						
1991	4.5	95.4			85.9	14.1		3.8	96.2	.0						
1992	3.3	96.7			91.1	8.9		9.3	90.7	.0						
1993	.2	99.5			100.0			.3	99.4	.3						
1994	.5	99.5			97.5	2.5		4.0	96.0	.0	65.1	31.7	3.2			
1995	.4	99.6			100.0			2.9	97.1	.0	83.0	10.9	6.2			
1996	.1	99.9			100.0			.4	99.6	.0	84.7	11.8	3.6			
1997		100.0			100.0			.0	100.0	.0	89.8	8.0	2.2			
1998		100.0			100.0			.0	100.0	.0	82.1		17.9			
1999		100.0			100.0			.0	100.0	.0	100.0					
2000		100.0			100.0			.0	100.0	.0	100.0					
2001		100.0			100.0			.0	28.9	71.1	100.0					
2002		100.0			100.0			.0	100.0	.0	100.0					
2003		100.0			100.0			.0	88.4	11.6	100.0					
2004		100.0			100.0			.0	90.7	9.3	44.4		55.6		55.6	
2005		55.2	44.8		100.0			.0	95.2	4.8	25.2		74.8		30.0	
2006		62.4	37.6		100.0			.0	92.4	7.6	23.1		76.9		39.3	
2007		43.3	56.7		100.0			.0	85.6	14.4	14.4		85.6		28.9	
2008		100.0			100.0			.0	82.8	17.2	17.2		82.8		52.6	

Table H-7

Characteristics of 1975 to 2008 Front Drive SUVs

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1994	9	.005	20.4	15.5	18.4	16.8	4000	183	160	12.0	120	.871	.0401	33.6
1995	0	.000	25.6	18.8	23.5	21.0	3500	122	94	16.0	102	.770	.0269	36.7
1996	18	.010	30.6	22.4	27.9	24.9	2947	122	120	11.7	116	.984	.0408	36.7
1997	30	.012	29.7	21.7	26.6	24.0	2987	122	120	11.8	116	.984	.0402	35.9
1998	47	.018	29.1	21.2	25.8	23.4	3204	121	125	12.1	116	1.035	.0394	37.4
1999	75	.027	27.5	19.9	24.4	22.1	3466	139	161	10.8	126	1.148	.0459	38.2
2000	79	.025	26.8	19.3	23.8	21.5	3561	145	170	10.6	128	1.163	.0471	38.2
2001	476	.138	24.8	17.2	23.2	20.1	3960	190	188	10.4	130	1.018	.0479	39.7
2002	395	.094	26.3	18.2	24.2	21.1	3658	165	180	10.2	131	1.099	.0493	38.6
2003	473	.115	26.5	18.3	24.2	21.2	3636	163	177	10.3	130	1.088	.0487	38.5
2004	579	.123	26.0	17.7	24.0	20.8	3821	182	192	10.1	133	1.062	.0504	39.7
2005	698	.171	26.3	18.0	23.7	20.9	3764	175	187	10.1	132	1.069	.0496	39.3
2006	738	.196	26.6	18.1	24.0	21.1	3873	178	189	10.2	131	1.069	.0488	41.0
2007	981	.230	26.4	18.0	24.1	21.0	3961	180	207	9.8	136	1.146	.0518	41.7
2008	1270	.261	26.7	18.0	24.5	21.2	4034	182	211	9.7	136	1.161	.0520	42.8

Percent of Front Drive SUVs:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1994	54.8	45.2				100.0		.0	100.0	.0	26.2		73.8			
1995	100.0					100.0		.0	100.0	.0	100.0					
1996	23.2	76.8				100.0		100.0	.0	.0			100.0			
1997	27.1	72.9				100.0		100.0	.0	.0			100.0			
1998	13.0	87.0				100.0		59.1	40.9	.0			100.0			
1999	5.8	94.2				100.0		36.5	63.5	.0			100.0		29.7	
2000	3.2	96.8				100.0		27.2	72.8	.0			100.0		39.4	
2001	3.7	96.3				100.0		8.5	84.1	7.4	45.5		54.5		23.0	
2002	6.1	93.7	.3			100.0		18.1	72.2	9.7	18.1		81.9		43.1	
2003	7.3	82.4	10.3			100.0		11.4	83.6	5.0	7.6		92.4		42.5	
2004	5.1	88.0	6.9			100.0		6.9	83.8	9.3	13.8		86.2		51.0	
2005	4.1	90.7	5.2			100.0		5.8	71.8	22.4	17.4		82.6		37.1	.6
2006	2.8	89.2	8.0			100.0		.0	75.4	24.6	9.1		90.9		46.6	3.8
2007	1.6	90.3	8.0			100.0		.0	69.0	31.0	10.5		89.5		57.8	2.7
2008	2.0	87.0	11.0	2.1	97.9			.0	67.9	32.1	8.8		91.2		65.4	1.8

Table H-8

Characteristics of 1975 to 2008 Rear Drive SUVs

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1975	30	.159	13.3	10.6	12.5	11.3	4374	324	148	13.8	113	.452	.0335	25.1
1976	36	.147	13.2	10.3	12.6	11.2	4423	326	145	14.1	112	.445	.0327	25.5
1977	49	.175	14.6	11.6	13.5	12.4	4379	317	146	13.9	113	.461	.0332	27.7
1978	44	.115	13.8	10.9	13.0	11.8	4410	316	147	13.7	113	.470	.0334	26.4
1979	123	.307	11.6	9.7	9.9	9.8	4915	344	144	15.6	109	.430	.0292	24.2
1980	21	.112	14.5	11.4	13.6	12.3	5039	341	161	14.2	113	.472	.0321	31.1
1981	13	.096	16.0	12.8	14.7	13.6	4895	326	162	13.9	114	.497	.0330	33.3
1982	33	.205	20.4	16.3	19.0	17.4	4138	267	126	14.8	109	.492	.0313	36.0
1983	56	.193	21.1	16.6	19.9	18.0	3921	237	122	14.5	108	.548	.0316	35.6
1984	93	.150	19.8	15.3	19.3	16.9	4112	247	128	14.5	109	.549	.0313	35.1
1985	144	.196	20.1	15.4	20.1	17.2	4033	237	128	14.3	109	.571	.0318	35.0
1986	107	.139	19.6	15.0	19.1	16.6	4142	248	139	13.7	112	.603	.0338	34.5
1987	140	.161	20.6	15.5	20.5	17.5	4074	232	151	12.7	117	.676	.0372	35.4
1988	158	.163	20.7	15.5	20.4	17.5	4064	244	155	12.3	118	.662	.0387	35.3
1989	161	.174	20.6	15.4	20.2	17.4	4078	262	163	11.9	121	.641	.0405	35.3
1990	114	.161	20.0	14.9	19.5	16.8	4290	264	170	12.0	121	.666	.0400	35.7
1991	256	.234	21.2	15.9	20.1	17.7	3918	228	151	12.5	118	.674	.0384	34.6
1992	277	.277	20.9	15.6	19.7	17.4	3882	221	158	12.0	120	.726	.0406	33.7
1993	531	.405	20.1	14.8	19.3	16.7	3994	247	181	11.0	127	.745	.0453	33.4
1994	379	.234	20.9	15.4	19.8	17.4	3990	230	170	11.5	124	.761	.0427	34.4
1995	377	.208	20.3	14.8	19.3	16.8	4179	240	168	12.0	122	.728	.0406	35.0
1996	529	.280	20.6	14.8	19.6	17.0	4199	241	180	11.4	125	.769	.0430	35.6
1997	666	.272	20.7	15.0	19.5	17.0	4222	240	186	11.1	126	.800	.0440	35.8
1998	701	.271	20.6	14.8	19.4	16.9	4223	247	190	10.9	128	.792	.0450	35.6
1999	896	.317	20.0	14.2	18.8	16.4	4455	263	203	10.8	129	.793	.0454	36.3
2000	954	.304	20.3	14.4	18.9	16.5	4360	248	198	10.9	129	.818	.0453	36.0
2001	902	.261	20.5	14.6	18.8	16.6	4382	244	209	10.4	132	.878	.0476	36.2
2002	1124	.268	20.1	14.0	18.7	16.3	4626	256	229	10.1	136	.905	.0496	37.6
2003	1042	.253	19.7	13.7	18.4	16.0	4901	270	244	10.0	138	.911	.0501	39.0
2004	1064	.226	19.9	13.7	18.5	16.0	4874	274	250	9.8	140	.919	.0516	38.9
2005	743	.182	20.1	13.7	18.8	16.2	4979	273	262	9.6	142	.967	.0527	40.3
2006	635	.169	20.4	13.9	19.2	16.5	4869	264	255	9.7	141	.973	.0524	40.0
2007	728	.170	20.7	14.1	19.5	16.7	5176	282	272	9.6	143	.968	.0528	43.3
2008	708	.145	21.2	14.3	20.1	17.1	5044	276	276	9.4	145	1.005	.0548	43.1

Percent of Rear Drive SUVs:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1975	33.4							21.1	47.9	31.1						
1976	35.8							23.6	41.7	34.7						
1977	42.3							30.3	41.1	28.6						
1978	46.4							30.1	37.4	32.5						
1979	19.9	1.8						10.8	14.7	74.5						
1980	14.9	84.2					.0	.0	20.4	79.6						
1981	2.3	97.7						.0	19.6	80.4						
1982	1.7	60.7					23.5	32.9	20.7	46.4						
1983	11.6	63.9					11.4	22.6	39.5	38.0						
1984	11.5	74.6					5.6	3.3	60.3	36.4						
1985	9.7	78.8				3.3	2.5	.0	72.6	27.4						
1986	10.0	86.0		.0	47.9	2.3		.0	63.4	36.5						
1987	9.6	87.6			22.1	70.4	.9	16.3	57.8	25.9						
1988	17.0	81.3			33.3	65.6	.7	24.3	49.8	25.8						
1989	19.5	78.5			29.9	68.6	.6	21.4	52.7	25.9						
1990	20.9	73.9			38.5	57.8	.7	23.7	40.2	36.2						
1991	20.0	79.2			45.3	53.7	.3	18.3	72.0	9.8						
1992	22.5	77.5			63.6	35.3		17.4	73.8	8.8						
1993	10.2	89.8			83.0	16.4		9.1	82.3	8.6						
1994	17.6	75.8			78.4	21.6		16.3	68.9	14.8	91.6		8.4			
1995	15.2	84.8			77.5	22.5		6.7	76.1	17.1	88.8		11.2			
1996	10.2	89.8			100.0			4.4	84.5	11.1	74.8		25.2			
1997	11.5	85.2			100.0			11.4	66.3	22.3	66.6		33.4			
1998	6.8	93.2			100.0			7.9	63.1	28.9	74.5	5.6	19.8			
1999	4.4	95.6			100.0			4.3	56.2	39.5	76.1	4.0	19.9			
2000	3.6	96.4			100.0			11.5	54.3	34.2	75.5	3.8	20.7		.6	
2001	3.4	96.6			100.0			11.6	46.7	41.7	74.4		25.6		5.1	
2002	2.3	97.7			100.0			3.9	35.3	60.8	63.2		36.8		13.5	
2003	1.0	99.0			100.0			.6	36.3	63.1	64.6		35.4		19.5	
2004	1.1	98.9			100.0			.9	35.1	64.0	59.3		40.7		27.5	
2005	.8	99.2			100.0			.7	32.2	67.2	46.0	9.0	45.0		42.9	
2006	1.1	98.9			100.0			.0	44.2	55.8	38.2	11.1	50.7		52.5	
2007	.7	99.3			100.0			.0	1.8	28.9	69.3	58.6	9.2	32.3		37.5
2008	.9	98.6	.5		99.1			.9	2.3	35.7	62.0	52.7	5.1	42.2		33.6

Table H-9

Characteristics of 1975 to 2008 Four Wheel Drive SUVs

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1975	157	.841	12.9	10.6	11.5	11.0	4169	329	145	13.2	115	.440	.0361	22.6
1976	208	.853	13.9	11.3	12.5	11.8	4293	337	140	14.0	112	.412	.0332	25.1
1977	234	.825	15.2	12.3	13.7	12.9	4200	335	143	13.5	113	.425	.0345	26.9
1978	336	.885	14.5	11.7	13.2	12.3	4251	342	149	13.2	115	.433	.0353	26.0
1979	278	.693	13.0	10.8	11.4	11.1	4329	325	143	13.9	113	.442	.0336	23.9
1980	164	.888	15.7	12.6	14.2	13.3	4135	289	127	14.8	108	.451	.0306	27.6
1981	123	.904	16.9	13.5	15.6	14.4	4134	286	128	14.5	109	.456	.0313	29.8
1982	129	.795	17.0	13.6	15.8	14.5	4403	300	130	15.1	108	.443	.0300	32.7
1983	233	.807	18.6	14.6	17.8	15.9	4188	257	124	15.1	107	.513	.0300	33.8
1984	531	.850	19.2	15.1	18.2	16.3	3979	223	119	15.1	107	.561	.0299	33.0
1985	592	.804	19.7	15.4	19.1	16.8	4014	210	120	15.1	107	.594	.0297	34.2
1986	666	.861	20.3	15.9	19.3	17.2	3885	200	125	14.2	110	.666	.0323	33.8
1987	733	.839	20.7	16.0	19.7	17.5	3795	204	134	13.4	113	.688	.0352	33.3
1988	810	.837	20.4	15.7	19.3	17.2	3819	214	141	12.9	115	.691	.0370	32.9
1989	765	.826	19.8	15.2	18.7	16.7	4005	237	153	12.5	118	.671	.0385	33.6
1990	594	.839	19.8	15.0	18.8	16.6	3998	226	151	12.6	117	.701	.0381	33.1
1991	839	.766	20.1	15.1	19.2	16.8	4117	230	160	12.3	119	.712	.0391	34.7
1992	726	.723	19.5	14.5	18.6	16.3	4162	232	168	11.9	122	.741	.0409	33.9
1993	780	.595	19.7	14.6	18.7	16.4	4267	239	177	11.6	124	.761	.0421	35.0
1994	1235	.761	19.4	14.4	18.3	16.1	4278	240	179	11.6	124	.763	.0422	34.5
1995	1439	.792	19.4	14.3	18.2	16.0	4275	241	178	11.6	124	.761	.0420	34.3
1996	1343	.711	19.7	14.3	18.7	16.3	4335	258	188	11.3	126	.744	.0436	35.3
1997	1754	.716	19.8	14.3	18.5	16.2	4392	250	187	11.4	125	.770	.0426	35.6
1998	1833	.710	19.7	14.2	18.6	16.2	4414	249	188	11.4	126	.781	.0428	35.8
1999	1859	.657	20.0	14.3	18.6	16.3	4411	241	197	11.0	128	.847	.0448	36.0
2000	2110	.671	19.8	14.1	18.3	16.1	4536	247	202	11.0	128	.842	.0446	36.5
2001	2072	.601	20.2	14.4	18.5	16.4	4472	232	208	10.6	131	.930	.0466	36.6
2002	2671	.637	20.2	14.2	18.6	16.3	4585	238	224	10.2	135	.962	.0489	37.4
2003	2602	.632	20.5	14.3	19.0	16.6	4672	239	227	10.2	135	.978	.0487	38.6
2004	3069	.651	20.6	14.2	19.1	16.6	4703	245	237	10.0	137	.989	.0503	38.9
2005	2643	.647	21.0	14.4	19.4	16.9	4676	236	238	9.9	138	1.026	.0508	39.5
2006	2384	.634	21.5	14.8	19.7	17.2	4670	230	236	9.9	137	1.038	.0504	40.5
2007	2566	.600	22.1	15.1	20.3	17.7	4710	234	249	9.7	140	1.083	.0525	41.8
2008	2887	.593	22.6	15.5	20.8	18.1	4684	227	248	9.6	140	1.110	.0525	42.5

Percent of Four Wheel Drive SUVs:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1975	42.9							30.0	69.1	.9						
1976	33.6							24.7	73.5	1.8						
1977	34.6							24.3	74.3	1.4						
1978	32.8							23.1	75.3	1.6						
1979	39.2						.3	32.8	60.9	6.3						
1980	47.2	18.8					2.6	37.0	58.7	4.3						
1981	45.0	35.1						34.7	62.4	2.9						
1982	37.0	37.4					13.2	24.5	70.7	4.8						
1983	37.0	48.2					5.6	18.3	77.7	4.0						
1984	32.5	37.4					1.7	26.7	70.5	2.8						
1985	32.3	55.6			4.8	1.1	1.2	19.5	77.5	3.0						
1986	41.7	50.9			27.8	22.1	1.4	26.5	70.6	2.9						
1987	42.1	48.5			35.1	36.3	.3	31.6	65.6	2.8						
1988	36.6	55.3			50.2	31.1	.2	30.8	65.7	3.5						
1989	27.5	63.8			49.5	42.9	.2	25.3	70.5	4.2						
1990	31.3	65.0			60.9	33.3	.2	27.4	67.5	5.2						
1991	22.4	76.0			63.9	35.5	.1	10.6	85.9	3.5						
1992	22.4	76.7			76.7	23.3		11.1	81.9	7.0						
1993	20.2	78.8			87.5	12.5		12.2	77.1	10.7						
1994	15.9	84.1			88.5	11.5		10.2	80.6	9.2	86.0	5.6	8.4			
1995	15.3	84.7			87.8	12.2		11.4	77.1	11.5	83.2		16.8			
1996	6.2	93.8			100.0		.0	5.9	80.5	13.6	88.2		11.8			
1997	11.4	88.6			100.0		.0	21.8	54.7	23.4	80.5		19.5			
1998	8.5	91.5			100.0			12.7	63.4	24.0	79.6		20.4			
1999	7.3	92.7			100.0			13.4	65.1	21.5	72.2	.9	26.9		3.7	
2000	5.8	94.2			100.0			12.7	61.0	26.2	77.7		22.3		2.8	
2001	4.8	95.2			100.0			11.9	54.2	34.0	56.5	1.9	41.5		14.9	
2002	4.1	95.8	.1		100.0			8.9	41.9	49.1	52.4	1.6	46.0		25.7	
2003	2.9	95.3	1.8		100.0			7.8	50.7	41.4	45.1	1.4	53.5		34.7	
2004	2.8	95.8	1.4		100.0		.0	6.7	53.5	39.7	44.1	.6	54.7	.6	35.3	
2005	2.6	95.6	1.8		99.7		.3	6.4	50.7	42.9	36.7	2.7	60.3	.3	48.4	.2
2006	2.8	92.2	5.0		99.7		.3	5.6	53.7	40.7	29.2	5.4	65.2	.2	58.0	3.0
2007	2.6	92.2	5.2		99.8		.2	5.8	48.9	45.3	36.2	1.3	62.5		54.7	1.4
2008	2.4	90.1	7.5	2.4	97.1		.4	4.4	54.9	40.7	28.4	.9	70.7		58.7	2.2

Table H-10

Characteristics of 1975 to 2008 Front Drive Pickup Trucks

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1980	26	.018	31.3	24.8	29.4	26.7	2265	94	65	15.8	99	.685	.0286	32.0
1981	33	.023	36.9	29.1	34.8	31.4	2318	99	59	16.9	96	.592	.0253	37.1
1982	32	.022	33.0	25.8	31.7	28.1	2439	119	72	15.2	101	.605	.0295	35.1
1983	31	.019	31.1	23.8	31.0	26.5	2604	133	89	13.5	107	.665	.0341	34.8
1984	12	.006	28.1	21.2	28.6	24.0	2640	135	90	13.3	107	.667	.0342	31.7
1987	0	.000	20.0	14.5	21.4	17.0	4000	249	135	13.7	112	.542	.0337	34.1
1988	0	.000	20.8	15.2	21.9	17.7	4000	275	155	12.2	119	.564	.0387	35.4
1993	0	.000	20.9	14.4	22.7	17.6	4500	299	200	10.9	128	.669	.0444	39.6

Percent of Front Drive Pickup Trucks:

MODEL YEAR	TRANSMISSION		FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					VVT	HYBRID	
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE			
1980	94.0						57.3	42.7	100.0	.0	.0						
1981	100.0						27.2	72.8	100.0	.0	.0						
1982	77.4						10.7	34.0	100.0	.0	.0						
1983	55.7						2.8	2.7	100.0	.0	.0						
1984	71.0								100.0	.0	.0						
1987		100.0					100.0		.0	.0	100.0						
1988		100.0					100.0		.0	.0	100.0						
1993		100.0				100.0			.0	.0	100.0						

Table H-11

Characteristics of 1975 to 2008 Rear Drive Pickup Trucks

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1975	1161	.865	14.5	11.4	13.8	12.4	3885	299	139	13.4	114	.499	.0355	24.6
1976	1476	.791	15.4	12.3	14.2	13.1	3948	305	136	13.8	112	.476	.0343	26.5
1977	1593	.786	16.8	13.5	15.3	14.2	3928	299	141	13.2	115	.508	.0359	28.7
1978	1656	.730	16.7	13.6	15.0	14.2	3901	291	138	13.3	114	.506	.0352	28.6
1979	1930	.874	15.5	12.7	13.8	13.2	4170	291	136	14.3	111	.495	.0327	28.1
1980	1108	.771	20.1	16.0	18.6	17.1	3689	235	117	14.3	108	.545	.0318	31.8
1981	1164	.808	21.1	16.7	19.6	17.9	3707	243	117	14.4	108	.511	.0316	33.7
1982	1154	.801	22.0	17.4	20.6	18.7	3595	230	117	14.1	109	.542	.0326	34.2
1983	1238	.761	22.6	17.9	21.3	19.2	3463	210	111	14.3	108	.564	.0320	34.0
1984	1526	.747	22.1	17.4	20.9	18.8	3519	212	112	14.4	108	.562	.0318	33.6
1985	1550	.746	21.9	17.3	20.6	18.7	3527	218	121	13.6	111	.585	.0340	33.5
1986	1895	.748	23.0	18.1	21.6	19.5	3439	201	117	13.6	110	.619	.0340	33.9
1987	1598	.745	23.5	18.2	22.2	19.9	3385	195	119	13.4	111	.635	.0348	34.0
1988	1760	.716	22.5	17.3	21.4	19.0	3578	220	130	13.1	113	.620	.0360	34.2
1989	1586	.711	22.2	16.9	21.0	18.7	3633	226	137	12.7	115	.630	.0373	34.1
1990	1322	.721	21.7	16.4	20.7	18.2	3759	236	146	12.4	117	.651	.0386	34.6
1991	1443	.752	22.9	17.1	21.8	19.1	3608	222	139	12.4	116	.656	.0383	34.7
1992	1356	.737	21.9	16.3	21.1	18.3	3810	235	145	12.5	117	.645	.0380	35.1
1993	1449	.724	22.2	16.3	21.2	18.5	3825	234	150	12.2	118	.668	.0391	35.4
1994	1886	.707	22.3	16.3	21.1	18.4	3861	235	156	12.0	120	.695	.0403	35.8
1995	1521	.670	21.8	15.9	20.7	18.0	3960	239	158	12.0	120	.703	.0399	36.1
1996	1382	.707	22.0	15.9	20.8	18.1	3992	235	167	11.7	122	.744	.0416	36.5
1997	1574	.654	21.9	15.7	20.7	18.0	4123	244	184	11.2	126	.770	.0440	37.3
1998	1574	.652	22.3	15.9	21.0	18.2	4021	231	177	11.3	125	.788	.0436	36.9
1999	1392	.547	21.5	15.3	20.3	17.6	4113	241	186	11.0	127	.787	.0448	36.3
2000	1610	.616	21.6	15.3	20.1	17.5	4113	237	190	11.0	128	.810	.0455	36.1
2001	1544	.613	20.7	14.6	19.2	16.8	4341	252	204	10.7	130	.818	.0464	36.5
2002	1373	.577	20.5	14.5	18.8	16.6	4473	256	214	10.5	132	.841	.0475	37.0
2003	1498	.606	21.0	14.7	19.2	16.9	4445	247	206	10.8	130	.843	.0459	37.5
2004	1345	.537	20.4	14.2	18.6	16.4	4712	267	234	10.2	136	.878	.0492	38.6
2005	1226	.533	20.4	14.0	18.8	16.4	4752	272	247	9.9	140	.910	.0518	38.9
2006	1185	.542	20.9	14.4	19.1	16.8	4747	266	241	10.0	138	.911	.0507	39.7
2007	1154	.548	20.9	14.4	19.3	16.8	4900	273	252	10.0	139	.920	.0511	41.1
2008	1084	.513	21.0	14.4	19.4	16.9	4982	277	265	9.8	142	.948	.0524	42.0

Percent of Rear Drive Pickup Trucks:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1975	41.5							13.8	4.8	81.4						
1976	40.3							11.7	3.7	84.6						
1977	39.0							14.9	4.3	80.8						
1978	40.0						1.6	14.5	4.5	80.9						
1979	36.3	1.5					2.8	13.7	5.2	81.1						
1980	55.8	23.4					4.3	28.4	8.8	62.8						
1981	52.6	31.0					6.2	18.8	11.2	70.0						
1982	49.4	32.9					9.8	18.0	26.2	55.8						
1983	53.3	31.1				.0	4.3	14.9	41.5	43.6						
1984	52.1	32.9			1.3		2.7	17.9	37.0	45.0						
1985	47.9	36.2			11.0	5.7	1.1	21.9	31.9	46.2						
1986	56.7	30.8			18.6	17.5	.6	27.5	34.6	37.9						
1987	58.0	28.4			23.7	33.1	.3	19.4	52.3	28.3						
1988	51.5	37.9			30.1	48.7	.1	11.9	48.1	40.0						
1989	52.5	41.5			34.0	52.4	.1	13.9	45.5	40.7						
1990	46.2	49.1			52.0	39.6	.1	15.0	37.8	47.2						
1991	53.7	44.9			46.1	49.6	.1	14.0	51.5	34.5						
1992	48.3	50.6			57.4	38.1	.1	11.7	44.6	43.7						
1993	45.2	53.7			60.6	36.5		13.2	42.1	44.7						
1994	42.3	56.4			72.5	26.4		11.5	45.8	42.7	99.3	.7	.1			
1995	45.2	53.4			72.9	27.1		12.2	38.9	48.9	96.4		3.6			
1996	38.5	59.6			99.9		.1	10.1	43.3	46.6	88.3	5.3	6.4			
1997	31.2	68.8			100.0		.0	6.6	36.2	57.2	92.6	6.6	.9			
1998	31.3	66.4			100.0		.0	10.0	42.2	47.9	89.7		10.3			
1999	22.6	75.7			100.0			8.4	39.2	52.4	91.6		8.4			
2000	20.4	78.3			100.0			6.2	33.8	59.9	87.7		12.3			
2001	14.5	84.1			100.0			5.3	24.5	70.2	86.2		13.8			
2002	11.4	87.1			100.0			9.6	19.8	70.6	78.9		21.1			
2003	12.3	86.2			100.0			7.9	25.2	67.0	84.2		15.8			
2004	8.6	89.7			100.0			7.1	16.3	76.6	69.8	8.2	22.0		13.5	
2005	7.2	92.8			100.0			.0	12.5	87.5	61.6	8.6	29.8		35.8	.1
2006	7.8	92.2			100.0			.0	19.7	80.3	55.2	8.9	35.8		42.6	.1
2007	5.7	94.3			100.0			.0	16.0	84.0	64.7	6.5	28.8		37.3	.0
2008	7.6	92.4			100.0			.0	16.9	83.1	63.5	7.2	29.3		35.2	

Table H-12 Characteristics of 1975 to 2008 Four Wheel Drive Pickup Trucks

MODEL YEAR	SALES (000)	FRAC	<---- FUEL ECONOMY ---->				WGHT LB	ENGINE		0-60 TIME	TOP SPD	HP/ CID	HP/ WT	TON -MPG
			LAB 55/45	ADJ CITY	ADJ HWY	ADJ COMP		CID	HP					
1975	182	.135	11.4	9.3	10.2	9.7	4822	353	154	14.2	113	.437	.0322	23.6
1976	390	.209	12.4	10.1	11.2	10.5	4780	359	154	14.2	113	.428	.0323	25.3
1977	433	.214	13.6	11.1	12.1	11.5	4695	363	164	13.4	116	.452	.0351	27.2
1978	612	.270	13.5	11.1	12.0	11.5	4654	348	160	13.5	115	.468	.0345	26.8
1979	277	.126	15.6	13.0	14.2	13.5	3947	260	132	14.2	110	.551	.0325	27.3
1980	302	.211	16.9	13.6	15.4	14.3	4054	251	126	14.6	108	.552	.0308	29.1
1981	242	.168	19.6	15.7	18.1	16.7	3732	224	115	14.6	107	.561	.0307	31.4
1982	255	.177	19.7	15.8	18.2	16.8	3934	236	119	14.7	107	.552	.0306	33.5
1983	359	.221	20.3	16.1	19.0	17.3	3901	224	117	14.8	107	.564	.0301	34.1
1984	505	.247	19.7	15.6	18.4	16.8	3943	226	120	14.8	107	.564	.0302	33.5
1985	528	.254	19.9	15.7	18.7	16.9	3981	230	129	14.0	110	.597	.0323	34.1
1986	638	.252	20.2	15.9	18.9	17.1	3974	219	130	14.0	110	.634	.0327	34.4
1987	548	.255	20.0	15.7	18.7	16.9	3937	222	137	13.4	113	.648	.0347	33.6
1988	699	.284	19.3	14.9	18.2	16.3	4137	253	156	12.6	117	.644	.0375	33.9
1989	645	.289	19.0	14.6	17.9	16.0	4221	259	158	12.7	117	.638	.0372	33.9
1990	512	.279	18.6	14.0	17.7	15.6	4364	273	166	12.5	119	.637	.0380	34.1
1991	477	.248	18.9	14.2	17.9	15.8	4299	262	167	12.2	120	.666	.0388	34.2
1992	484	.263	18.5	13.8	17.7	15.5	4442	272	167	12.6	119	.638	.0376	34.5
1993	553	.276	18.8	13.9	17.8	15.6	4444	270	172	12.3	120	.661	.0386	34.8
1994	783	.293	18.6	13.7	17.5	15.4	4528	278	180	12.1	122	.668	.0396	34.9
1995	750	.330	18.0	13.2	17.0	14.9	4633	292	185	11.9	123	.655	.0400	34.7
1996	573	.293	18.3	13.3	17.3	15.1	4668	291	204	11.2	128	.719	.0437	35.4
1997	834	.346	18.2	13.1	17.3	15.0	4965	302	218	11.1	129	.729	.0439	37.2
1998	841	.348	18.3	13.1	17.4	15.1	4771	291	213	11.0	130	.745	.0445	35.8
1999	1152	.453	18.2	13.1	17.0	14.9	4937	299	227	10.8	132	.763	.0459	36.7
2000	1003	.384	18.9	13.6	17.3	15.4	4705	284	224	10.5	133	.791	.0473	36.1
2001	975	.387	18.1	12.9	16.6	14.7	4885	295	235	10.3	135	.802	.0481	36.0
2002	1008	.423	18.2	12.9	16.7	14.8	4985	291	242	10.3	136	.834	.0486	36.7
2003	976	.394	18.5	13.1	16.9	14.9	4944	291	248	10.1	138	.855	.0500	36.9
2004	1161	.463	18.7	13.1	17.0	15.0	5202	298	266	9.9	141	.892	.0511	39.0
2005	1074	.467	19.0	13.2	17.4	15.3	5257	297	274	9.7	143	.926	.0523	40.1
2006	1003	.458	19.3	13.4	17.6	15.5	5228	291	272	9.7	142	.942	.0522	40.3
2007	951	.452	19.3	13.3	17.8	15.5	5360	301	288	9.5	145	.958	.0537	41.6
2008	1030	.487	19.4	13.4	18.0	15.7	5468	306	302	9.4	148	.987	.0551	42.8

Percent of Four Wheel Drive Pickup Trucks:

MODEL YEAR	TRANSMISSION			FUEL METERING				VEHICLE SIZE			NUMBER OF VALVES					
	MANUAL	LOCK	CVT	GDI	PORT	TBI	DSL	SMALL	MID	LARGE	TWO	THREE	FOUR	FIVE	VVT	HYBRID
1975	38.4							.0	.0	100.0						
1976	33.3							.0	.0	100.0						
1977	24.7							.0	.0	100.0						
1978	30.2						.0	3.8	.0	96.2						
1979	64.9						.0	34.0	.0	66.0						
1980	66.8	18.6					.3	36.7	.0	63.3						
1981	76.4	14.7					2.3	48.1	.0	51.9						
1982	71.4	17.7					9.6	41.8	5.1	53.1						
1983	66.6	19.9				.1	4.8	26.8	30.0	43.2						
1984	62.7	19.1			.1		2.7	27.2	27.3	45.5						
1985	62.4	26.2			12.7	1.1	1.5	29.8	23.1	47.1						
1986	63.3	29.4			29.0	17.7	.7	34.9	20.7	44.4						
1987	59.9	30.1			36.4	28.8	.4	23.8	39.4	36.7						
1988	49.7	40.9			48.7	47.1	.4	18.7	29.9	51.4						
1989	52.3	41.5			50.5	47.8	.3	20.9	25.7	53.4						
1990	44.9	51.7			53.5	46.1	.3	17.8	19.6	62.6						
1991	47.5	50.8			53.5	46.1	.4	22.5	27.2	50.3						
1992	43.7	56.2			59.7	40.0	.3	19.2	22.9	57.9						
1993	40.5	59.5			62.9	37.1		12.9	24.2	63.0						
1994	34.6	65.4			62.2	37.8		18.1	22.5	59.5	94.3	5.7				
1995	28.3	71.7			62.8	37.2		15.0	14.5	70.5	90.5		9.5			
1996	25.5	74.5			99.6		.4	14.1	17.4	68.5	82.9	2.8	14.3			
1997	14.0	86.0			99.9		.1	3.3	14.4	82.4	94.7	3.3	2.0			
1998	19.9	80.1			99.9		.1	12.3	19.7	68.1	87.0		13.0			
1999	11.4	88.6			100.0			8.4	18.6	73.0	93.1		6.9			
2000	10.7	89.3			100.0			.1	22.0	77.9	86.7		13.3			
2001	8.0	92.0			100.0			.0	17.0	83.0	88.9		11.1			
2002	7.0	93.0			100.0			6.4	19.3	74.2	86.8		13.2			
2003	7.3	92.7			100.0			7.8	15.4	76.8	87.6		12.4			
2004	5.1	94.9			100.0			5.6	13.7	80.7	65.1	21.3	13.6		25.0	
2005	4.0	96.0			100.0			.8	5.9	93.3	56.3	20.2	23.4		42.9	.0
2006	4.2	95.8			100.0			.7	4.0	95.2	45.9	21.9	32.2		53.3	.2
2007	3.1	96.9			100.0			.0	8.0	92.0	56.2	17.9	25.9		41.3	.0
2008	3.0	97.0			100.0			.0	7.0	93.0	54.7	19.6	25.7		45.0	