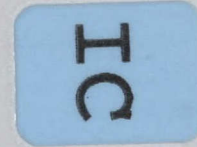




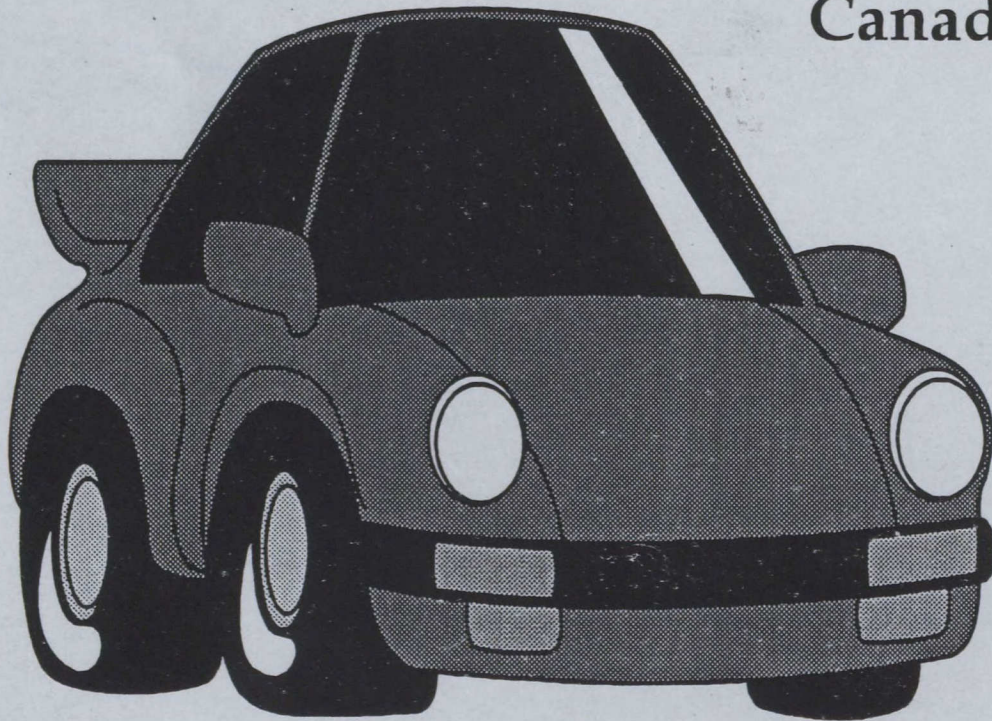
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# Statistical Review of the Canadian Automotive Industry

## 1994 Edition



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**STATISTICAL REVIEW OF THE  
CANADIAN AUTOMOTIVE INDUSTRY: 1994 EDITION**

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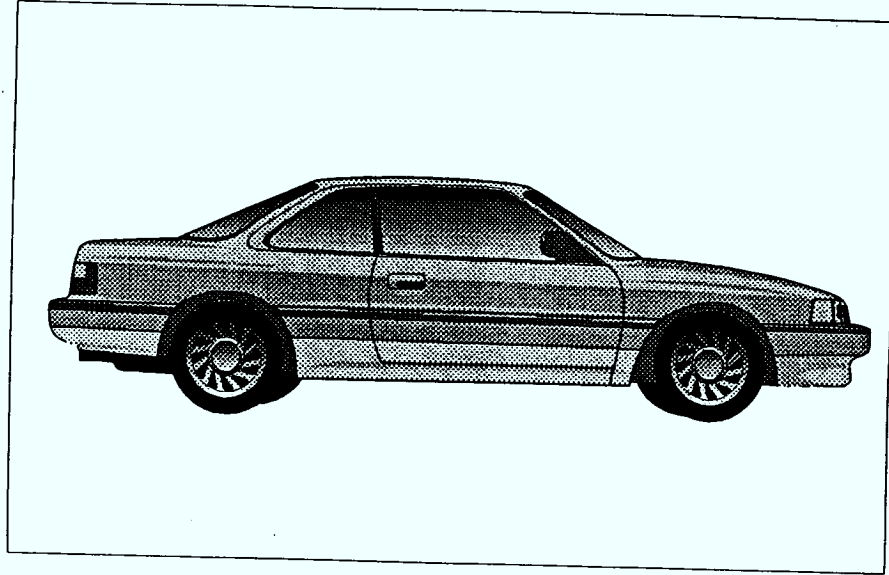
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*This edition reflects the latest revisions and estimates provided by the various data sources. Accordingly, some historical figures appearing in the 1993 Edition have been modified.*



\$ \$ \$ \$ \$ sales



**Retail Sales of Motor Vehicles in Canada  
(Thousands of Units)**

Table 1.1

Year	Passenger Cars			Trucks*			Total Vehicles
	North American Built**	Overseas Import***	Total	North American Built**	Overseas Import***	Total	
1965	634	75	709	120	2	122	831
1970	497	143	640	125	9	134	774
1975	836	154	990	310	17	327	1 317
1979	863	140	1 003	381	12	393	1 396
1980	741	191	932	312	22	334	1 266
1981	647	257	904	251	36	287	1 191
1982	489	224	713	167	40	207	920
1983	625	218	843	193	45	238	1 081
1984	725	246	971	274	39	313	1 284
1985	795	342	1 137	345	48	393	1 530
1986	762	329	1 091	368	51	419	1 510
1987	701	364	1 065	412	51	463	1 528
1988	725	332	1 057	460	49	509	1 566
1989	674	319	993	422	68	490	1 483
1990	580	305	885	361	72	433	1 318
1991	573	300	873	348	67	415	1 288
1992	507	291	798	370	59	429	1 227
1993	494	245	739	402	52	454	1 193

\* Includes mini-vans and vans

\*\* Includes Mexico

\*\*\* Includes captives

Source: Statistics Canada Catalogue Number 63-007.

**Retail Sales of Motor Vehicles in the U.S.**  
**(Thousands of Units)**

Table 1.2

Year	Passenger Cars			Trucks*			Total Vehicles
	North American Built**	Overseas Import***	Total	North American Built**	Overseas Import***	Total	
1965	8 763	569	9 332	1 539	44	1 583	10 915
1970	7 120	1 285	8 405	1 746	65	1 811	10 216
1975	7 053	1 587	8 640	2 249	231	2 480	11 120
1979	8 328	2 300	10 628	3 000	500	3 500	14 128
1980	6 578	2 398	8 976	2 002	484	2 486	11 462
1981	6 206	2 324	8 530	1 852	448	2 300	10 830
1982	5 757	2 222	7 979	2 151	410	2 561	10 540
1983	6 795	2 386	9 181	2 588	464	3 052	12 233
1984	7 951	2 439	10 390	3 484	607	4 091	14 481
1985	8 205	2 834	11 039	3 912	766	4 678	15 717
1986	8 216	3 235	11 451	3 944	923	4 867	16 318
1987	6 871	3 197	10 068	3 915	824	4 739	14 807
1988	7 539	3 099	10 638	4 547	604	5 151	15 789
1989	7 078	2 825	9 903	4 132	506	4 638	14 541
1990	6 897	2 403	9 300	3 956	600	4 556	13 856
1991	6 138	2 038	8 176	3 606	530	4 136	12 312
1992	6 277	1 938	8 215	4 247	400	4 647	12 862
1993	6 734	1 784	8 518	5 001	369	5 370	13 888

\* Includes mini-vans and vans

\*\* Includes Mexico

\*\*\* Includes captives

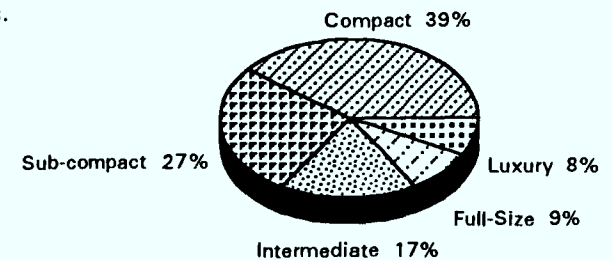
Source: *Ward's Automotive Reports*.

**Canadian Car Sales by Size  
(Thousands of Units)**

Table 1.3

Year	Sub-compact	Percent of Total	Compact	Percent of Total	Intermediate	Percent of Total	Full-size	Percent of Total	Luxury	Percent of Total	Total Sales
1970	9	1.8	101	20.4	156	31.5	215	43.4	14	2.8	495
1975	75	10.3	186	25.7	229	31.6	223	30.8	12	1.7	725
1979	152	17.6	237	27.5	243	28.2	203	23.5	27	3.1	862
1980	140	18.9	229	30.9	206	27.8	148	20.0	18	2.4	741
1981	137	21.5	198	31.1	184	28.9	105	16.5	13	2.0	637
1982	157	32.4	125	25.8	145	29.9	51	10.5	7	1.4	485
1983	206	33.6	135	22.0	198	32.2	66	10.7	9	1.5	614
1984	235	32.9	179	25.1	207	29.0	79	11.1	14	2.0	714
1985	237	30.3	202	25.8	246	31.5	80	10.2	17	2.2	782
1986	233	30.9	187	24.8	235	31.2	82	10.9	17	2.3	754
1987	107	14.6	298	40.5	230	31.3	68	9.3	32	4.4	735
1988	73	9.7	343	45.6	216	28.7	92	12.2	28	3.7	752
1989	76	11.1	314	45.8	175	25.5	94	13.7	27	3.9	686
1990*	260	28.6	356	39.1	168	18.5	88	9.7	38	4.2	910
1991*	253	30.8	314	38.2	159	19.4	53	6.5	42	5.1	821
1992*	241	30.3	307	38.6	140	17.6	55	6.9	53	6.7	796
1993*	203	27.5	289	39.1	124	16.8	66	8.9	57	7.7	739

\* Prior to 1990, data does not include import models; see Table 1.1 for total import sales for those years.



1993

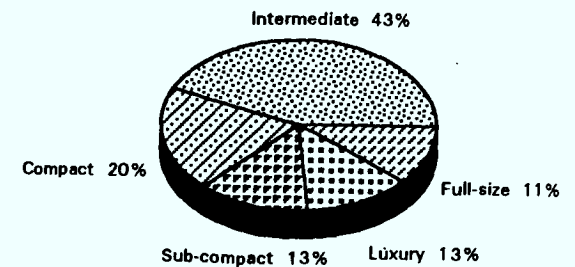
Source: Motor Vehicle Manufacturers' Association classified by Ward's segmentation.

**U.S. Car Sales by Size  
(Thousands of Units)**

Table 1.4

Year	Sub-compact	Percent of Total	Compact	Percent of Total	Intermediate	Percent of Total	Full-size	Percent of Total	Luxury	Percent of Total	Total Sales
1980	1 671	25.4	1 675	25.5	1 836	27.9	1 075	16.3	321	4.9	6 578
1981	1 661	26.8	1 523	24.5	1 742	28.1	952	15.3	328	5.3	6 206
1982	1 739	30.2	1 104	19.2	1 618	28.1	928	16.1	367	6.4	5 756
1983	2 035	29.9	925	13.6	2 247	33.1	1 158	17.0	431	6.3	6 796
1984	2 306	29.0	1 309	16.5	2 457	30.9	1 232	15.5	647	8.1	7 951
1985	1 297	15.8	2 563	31.2	2 464	30.0	1 077	13.1	804	9.8	8 205
1986	1 325	16.1	2 461	30.0	2 540	30.9	1 116	13.6	772	9.4	8 214
1987	1 100	15.5	2 389	33.7	2 026	28.6	925	13.1	640	9.0	7 080
1988	1 019	13.5	2 781	36.9	2 017	26.8	1 052	14.0	670	8.9	7 539
1989	926	13.1	2 606	36.8	1 916	27.1	955	13.5	674	9.5	7 077
1990*	928	10.0	2 125	22.8	4 160	44.7	877	9.4	1 210	13.0	9 300
1991*	878	10.7	1 901	23.3	3 589	43.9	676	8.3	1 132	13.8	8 176
1992*	998	12.2	1 706	20.8	3 645	44.4	752	9.2	1 111	13.5	8 212
1993*	1 096	12.9	1 695	19.9	3 690	43.3	943	11.1	1 094	12.8	8 518

\* Prior to 1990, data does not include import models; see Table 1.2 for total imports for those years.  
Data incomplete prior to 1980



Source: *Ward's Automotive Reports*.

1993

**Canadian Sales of New Passenger Cars by Origin  
(Thousands of Units)**

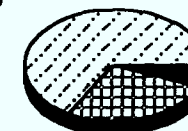
Table 1.5

Year	Total Sales Volume	North American*		Imports from Japan**		Other Imports**	
		Volume	Percent	Volume	Percent	Volume	Percent
1965	709	634	89.4	2	0.3	73	10.3
1970	640	497	77.7	66	10.3	77	12.0
1975	990	836	84.4	96	9.7	58	5.9
1979	1 003	864	86.1	80	8.0	59	5.9
1980	932	741	79.5	138	14.8	53	5.7
1981	904	647	71.6	208	23.0	49	5.4
1982	713	489	68.6	178	25.0	46	6.5
1983	843	625	74.1	177	21.0	41	4.9
1984	971	725	74.7	171	17.6	75	7.7
1985	1 137	795	69.9	199	17.5	143	12.6
1986	1 091	762	69.8	198	18.1	131	12.0
1987	1 065	701	65.8	243	22.8	121	11.4
1988	1 057	725	68.6	244	23.1	88	8.3
1989	993	674	67.9	246	24.8	73	7.4
1990	885	580	65.5	239	27.0	66	7.5
1991	873	573	65.6	238	27.3	62	7.1
1992	798	507	63.5	233	29.2	58	7.3
1993	739	494	66.8	196	26.5	49	6.6

\* Includes Mexico

\*\* Includes captives

North American  
67%



Other Imports  
7%

Imports from Japan  
27%

1993

Source: Statistics Canada Catalogue Number 63-007.

**U.S. Sales of New Passenger Cars by Origin**  
**(Thousands of Units)**

Table 1.6

Year	Total Sales Volume	North American*		Imports from Japan**		Other Imports**	
		Volume	Percent	Volume	Percent	Volume	Percent
1965	9 345	8 763	93.8	13	0.1	569	6.1
1970	8 365	7 116	85.1	313	3.7	936	11.2
1975	8 301	7 050	84.9	808	9.7	443	5.3
1979	10 647	8 328	78.2	1 834	17.2	485	4.6
1980	8 978	6 578	73.3	1 908	21.3	492	5.5
1981	8 534	6 206	72.7	1 859	21.8	469	5.5
1982	7 979	5 757	72.2	1 801	22.6	421	5.3
1983	9 182	6 795	74.0	1 916	20.9	471	5.1
1984	10 391	7 952	76.5	1 906	18.3	533	5.1
1985	11 039	8 205	74.3	2 218	20.1	616	5.6
1986	11 453	8 215	71.7	2 376	20.7	862	7.5
1987	10 278	6 886	67.0	2 330	22.7	1 062	10.3
1988	10 638	7 539	70.9	2 178	20.5	921	8.7
1989	9 903	7 078	71.5	2 048	20.7	777	7.8
1990	9 300	6 897	74.2	1 633	17.6	770	8.3
1991	8 176	6 138	75.1	1 457	17.8	581	7.1
1992	8 215	6 277	76.4	1 504	18.3	434	5.3
1993	8 518	6 734	79.1	1 335	15.7	449	5.3

\* Includes Mexico

\*\* Includes captive imports for 1980 and subsequent years

Source: *Ward's Automotive Reports*.

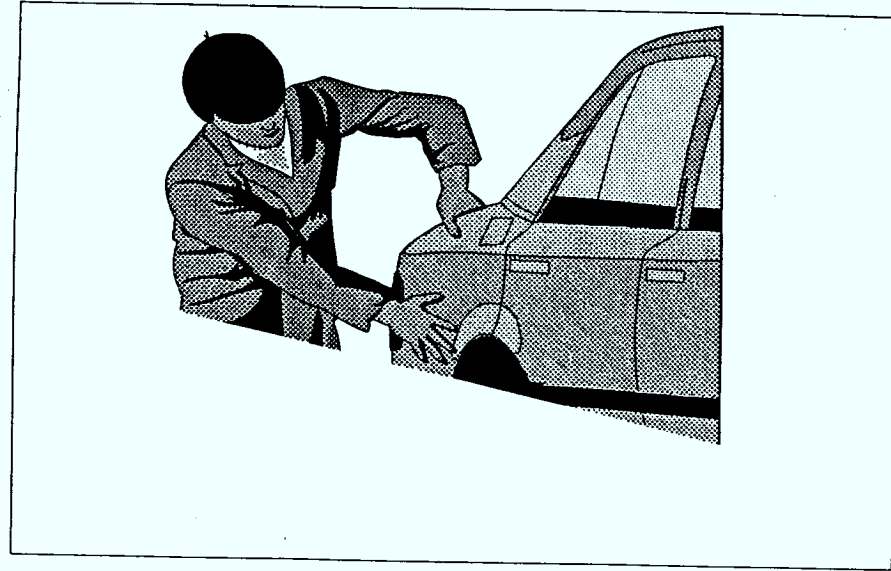
**Motor Vehicle Registrations in Canada  
(Thousands of Units)**

Table 1.7

Year	Passenger Cars	Trucks and Truck Tractors	Buses	Motorcycles	Mopeds	Other Vehicles	Total
1980	10 256	2 903	53	389	*NA	118	13 719
1981	10 199	3 138	54	407	NA	53	13 851
1982	10 530	3 239	54	431	NA	55	14 309
1983	10 732	3 308	55	466	NA	59	14 620
1984	10 781	3 047	52	470	NA	56	14 406
1985	11 118	3 095	53	453	35	64	14 818
1986	11 586	3 156	56	430	35	72	15 335
1987	11 773	3 508	59	414	34	76	15 864
1988	12 086	3 706	60	370	31	84	16 337
1989	12 811	3 396	62	348	30	72	16 719
1990	12 622	3 867	64	331	28	69	16 981
1991	13 061	3 680	64	324	27	67	17 223
1992	13 322	3 624	64	313	26	61	17 410

\* Not available

Source: Statistics Canada Catalogue Number 53-219.



Production



**North American Production of Motor Vehicles  
(Thousands of Units)**

Table 2.1

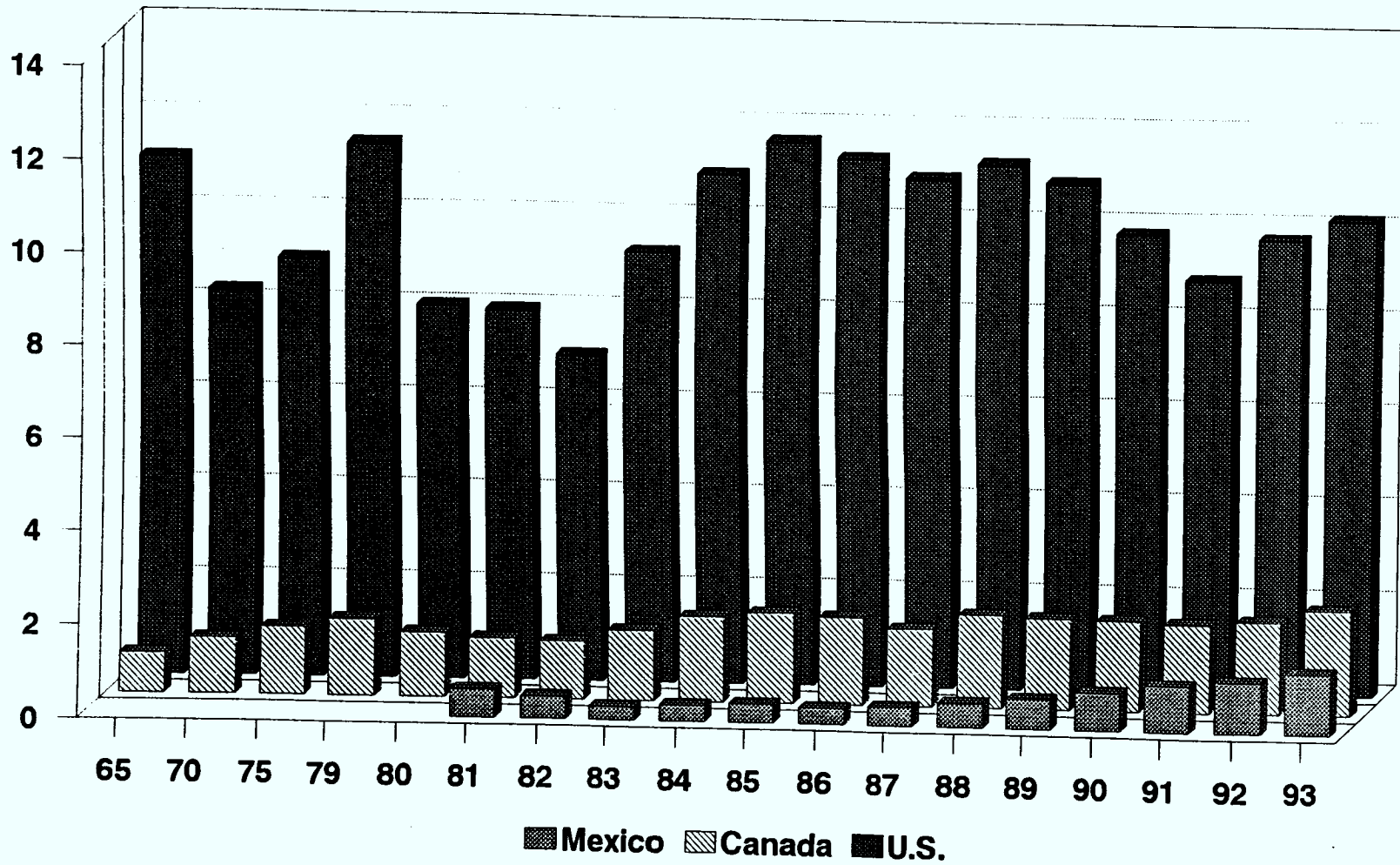
Year	Canada		U.S.		Mexico*		North America Total Volume
	Volume	Percent of Total	Volume	Percent of Total	Volume	Percent of Total	
1965	846	7.1	11 114	92.9	NA	NA	11 960
1970	1 193	12.6	8 263	87.4	NA	NA	9 456
1975	1 442	13.9	8 965	86.1	NA	NA	10 407
1979	1 632	12.5	11 475	87.5	NA	NA	13 107
1980	1 374	14.6	8 010	85.4	NA	NA	9 384
1981	1 280	13.0	7 941	80.9	597	6.1	9 818
1982	1 236	14.2	6 985	80.3	473	5.4	8 694
1983	1 502	13.6	9 226	83.8	285	2.6	11 013
1984	1 830	14.0	10 924	83.4	344	2.6	13 098
1985	1 930	13.8	11 648	83.3	398	2.8	13 976
1986	1 859	13.8	11 317	83.7	341	2.5	13 517
1987	1 648	12.7	10 908	84.2	395	3.0	12 951
1988	1 977	14.4	11 197	81.8	508	3.7	13 682
1989	1 940	14.5	10 851	80.9	630	4.7	13 421
1990	1 948	15.5	9 780	78.0	804	6.4	12 532
1991	1 887	16.1	8 819	75.4	989	8.5	11 695
1992	1 958	15.4	9 703	76.1	1 083	8.5	12 744
1993	2 225	16.3	10 133	74.2	1 293	9.5	13 651

\* Data not available prior to 1981.

Source: *Ward's Automotive Reports*.

**North American Production of Motor Vehicles  
(Thousands of Units)**

**Graph 2.1**



**North American Production of Passenger Cars  
(Thousands of Units)**

Table 2.2

Year	Canada		U.S.		Mexico*		North America Total Volume
	Volume	Percent of Total	Volume	Percent of Total	Volume	Percent of Total	
1965	707	7.0	9 329	93.0	NA	NA	10 036
1970	940	12.6	6 546	87.4	NA	NA	7 486
1975	1 055	13.6	6 706	86.4	NA	NA	7 761
1979	997	10.6	8 422	89.4	NA	NA	9 419
1980	847	11.7	6 372	88.3	NA	NA	7 219
1981	784	10.6	6 251	84.6	355	4.8	7 390
1982	788	12.8	5 073	82.3	301	4.9	6 162
1983	955	12.0	6 782	85.4	207	2.6	7 944
1984	1 023	11.3	7 773	86.1	232	2.6	9 028
1985	1 071	11.3	8 186	86.1	247	2.6	9 504
1986	1 062	11.7	7 829	86.2	190	2.1	9 081
1987	811	9.9	7 100	86.8	266	3.3	8 177
1988	1 028	12.1	7 118	83.7	354	4.2	8 500
1989	1 002	12.1	6 823	82.5	449	5.4	8 274
1990	1 098	14.1	6 078	78.2	598	7.7	7 774
1991	1 060	14.7	5 440	75.3	720	10.0	7 220
1992	1 020	13.7	5 665	75.9	778	10.4	7 463
1993	1 349	16.5	5 984	73.3	835	10.2	8 168

\* Data not available prior to 1981.

Source: *Ward's Automotive Reports*.

**Canadian Truck Production  
(Thousands of Units)**

**Table 2.3**

<b>Year</b>	<b>Light*</b>	<b>Percent of Total</b>	<b>Medium and Heavy-Duty</b>	<b>Percent of Total</b>	<b>Total</b>
1965	130	90.3	14	9.7	144
1970	235	93.6	16	6.4	251
1975	367	94.8	20	5.2	387
1976	483	96.4	18	3.6	501
1977	576	95.7	26	4.3	602
1978	630	96.0	26	4.0	656
1979	607	95.6	28	4.4	635
1980	506	96.0	21	4.0	527
1981	480	96.6	17	3.4	497
1982	434	96.9	14	3.1	448
1983	539	98.5	8	1.5	547
1984	794	97.8	18	2.2	812
1985	834	97.4	22	2.6	856
1986	771	97.2	22	2.8	793
1987	816	97.4	22	2.6	838
1988	922	97.1	28	2.9	950
1989	914	97.4	24	2.6	938
1990	833	98.0	17	2.0	850
1991	815	98.5	12	1.5	827
1992	920	98.1	18	1.9	938
1993	875	97.4	23	2.6	898

\* Includes mini-vans and full-size vans

Source: *Ward's Automotive Reports*.

**U.S. Truck Production  
(Thousands of Units)**

Table 2.4

Year	Light*	Percent of Total	Medium	Percent of Total	Heavy-Duty	Percent of Total	Total
1965	1 325	76.5	271	15.7	135	7.8	1 731
1970	1 359	80.3	194	11.5	140	8.3	1 693
1975	1 945	85.6	200	8.8	126	5.5	2 271
1979	2 608	85.9	189	6.2	239	7.9	3 036
1980	1 387	83.2	100	6.0	181	10.9	1 668
1981	1 445	85.0	89	5.2	167	9.8	1 701
1982	1 721	90.3	49	2.6	136	7.1	1 906
1983	2 096	86.5	127	5.2	201	8.3	2 424
1984	2 769	90.0	68	2.2	238	7.7	3 075
1985	3 046	90.7	78	2.3	233	6.9	3 357
1986	3 128	92.2	51	1.5	213	6.3	3 392
1987	3 528	92.4	55	1.4	234	6.1	3 817
1988	3 810	92.5	62	1.5	249	6.0	4 121
1989	3 788	93.2	43	1.1	232	5.7	4 063
1990	3 474	95.4	41	1.1	126	3.5	3 641
1991	3 172	94.2	23	0.7	172	5.1	3 367
1992	3 808	94.3	31	0.8	199	4.9	4 038
1993	4 606	94.7	27	0.6	229	4.7	4 862

\* Includes mini-vans and full-size vans

Source: *Ward's Automotive Reports*.

**Mexico Truck and Bus Production  
(Thousands of Units)**

Table 2.5

Year	Light*	Percent of Total	Medium, Heavy-Duty and Buses	Percent of Total	Total
1981	167	92.8	13	7.2	180
1982	154	89.5	18	10.5	172
1983	73	92.4	6	7.6	79
1984	104	92.9	8	7.1	112
1985	138	91.4	13	8.6	151
1986	143	94.7	8	5.3	151
1987	123	95.3	6	4.7	129
1988	152	98.1	3	1.9	155
1989	191	94.1	12	5.9	203
1990	206	92.4	17	7.6	223
1991	240	89.6	28	10.4	268
1992	275	90.2	30	9.8	305
1993	230	93.9	15	6.1	245

\* Includes mini-vans and full-size vans

Source: *Ward's Automotive Reports*.

## Vehicle Manufacturers by Total Output

Table 2.6

Company	Total Output (Units)			
	1992	Ranking	1993	Ranking
<b>Ranked by 1993 North American Production*</b>				
General Motors	4 616 220	1	4 991 254	1
Ford	3 581 341	2	3 976 907	2
Chrysler	1 982 663	3	2 297 361	3
Nissan	472 730	5	574 895	4
Honda	562 377	4	504 483	5
Toyota	308 474	6	313 285	6
Volkswagen	188 488	7	238 992	7
Auto Alliance (formerly Mazda)	167 940	9	219 076	8
NUMMI	181 050	8	180 960	9
CAMI	121 499	12	152 095	10
Diamond Star	139 783	10	136 022	11
Subaru-Isuzu	124 566	11	126 558	12
<b>Ranked by 1993 World Production</b>				
General Motors	7 146 000	1	7 299 000	1
Ford	5 764 374	2	5 700 000	2
Toyota	4 695 807	3	4 450 309	3
Volkswagen	3 466 000	4	3 000 000	4
Nissan	2 982 937	5	2 818 017	5
Chrysler	2 159 000	6	2 348 030	6
Mitsubishi	1 832 000	11	1 875 000	7
Honda	1 883 800	9	1 827 800	8
Renault	2 094 774	8	1 761 306	9
Peugeot-Citroen	2 049 800	7	1 751 600	10
Fiat	1 900 000	9	1 600 000	11
Mazda Motor Corp.	1 459 375	12	1 241 564	12

\* Includes Mexico

Source: *Ward's Automotive Reports, Automotive News*.

**World Motor Vehicle Production by Country**  
(Thousands of Units)

Table 2.7

	1965	1970	1975	1980	1985	1989	1990	1991	1992	1993
Japan	1 876	5 289	6 941	11 043	12 271	13 026	13 487	13 245	12 499	11 227
U.S.	11 114	8 263	8 965	8 010	11 648	10 851	9 780	8 819	9 703	10 890
Germany*	2 976	3 842	3 186	3 879	4 446	4 852	4 661	5 015	5 194	3 991
France	1 642	2 750	2 861	3 378	3 016	3 920	3 295	3 611	3 764	3 131
Canada	846	1 193	1 442	1 374	1 930	1 940	1 922	1 887	1 958	2 239
South Korea	-	29	36	123	378	1 130	1 322	1 498	1 730	2 050
C.I.S.**	634	916	1 964	2 199	2 200	2 100	2 000	1 845	1 448	1 589
Spain	229	536	814	1 182	1 418	2 046	1 679	2 082	2 304	1 541
U.K.	2 177	2 098	1 648	1 313	1 311	1 626	1 296	1 454	1 540	1 496
Brazil	185	416	930	1 165	967	1 103	914	960	1 092	1 422
Italy	1 176	1 854	1 459	1 612	1 573	2 221	1 875	1 877	1 686	1 267
Mexico	NA	NA	NA	NA	398	630	804	989	1 083	1 080

\* Includes the former East Germany

\*\* Formerly the Soviet Union

Source: *Automotive News* (ranked by 1993 production).



## Average Unit Value of Canadian Motor Vehicle Production

Table 2.8

Year	Number of Units Produced (Thousands)	Value of SIC 3231 Shipments (Millions of Dollars)	Unit Value (Dollars)
1986	1 859	25 094	13 499
1987	1 648	22 154	13 443
1988	1 977	28 114	14 221
1989	1 940	27 519	14 185
1990	1 948	27 239	13 983
1991	1 887	26 017	13 787
1992	1 958	29 564	15 099
1993	2 247	37 657 *	16 759

\* Preliminary data based on Statistics Canada Catalogue Number 31-001.

Source: Statistics Canada and *Ward's Automotive Reports*.

<b>Year</b>	<b>Motor Vehicle Industry (SIC 323)</b>	<b>Truck and Bus Body and Trailer Industry (SIC 324)</b>	<b>Motor Vehicle Parts and Accesories Industry (SIC 325)</b>
1986	100.0	100.0	100.0
1987	99.6	102.7	99.9
1988	95.2	105.0	98.3
1989	94.6	105.0	97.3
1990	95.2	108.4	96.7
1991	97.6	111.4	97.4
1992	104.6	115.7	99.8
1993	113.0	120.9	102.5

\* The Industrial Product Price Indices (IPPI) measure price changes for major commodities sold by Canadian manufacturers.

Source: Statistics Canada Catalogue 62-011.

**Value of Shipments in Canadian Automotive Industries  
(Millions of Dollars)**

Table 2.10

Year	Motor Vehicle Manufacturers	Truck Body and Trailer Manufacturers	Motor Vehicle Parts and Accessories Manufacturers	Automotive Tire and Tube Manufacturers**	Total
1965	2 120	103	756 *	NA	2 979
1970	2 963	244	1 408 *	NA	4 615
1975	6 024	774	2 552 *	NA	9 350
1980	10 071	978	4 034	NA	15 083
1981	11 403	1 005	4 879	NA	17 287
1982	12 344	743	5 877	1 325	20 289
1983	15 591	722	8 358	1 381	26 052
1984	21 263	1 002	11 494	1 697	35 456
1985	24 599	1 148	12 923	1 653	40 323
1986	25 094	1 302	12 922	1 849	41 167
1987	22 154	1 367	12 739	1 699	37 959
1988	26 866	1 631	14 471	1 287	44 255
1989	28 059	1 687	14 718	1 454	45 918
1990	27 239	1 411	13 902	1 350	43 902
1991	26 017	1 094	12 707	1 342	41 160
1992	29 564	1 183	14 099	1 454	46 300
1993***	37 657	1 249	16 311	1 450	56 667

\* Includes automobile fabric and accessories manufacturers

\*\* Information supplied by companies

\*\*\* Estimate based on preliminary shipments

Source: Statistics Canada Catalogue Number 31-001 and Catalogue Number 42-251.

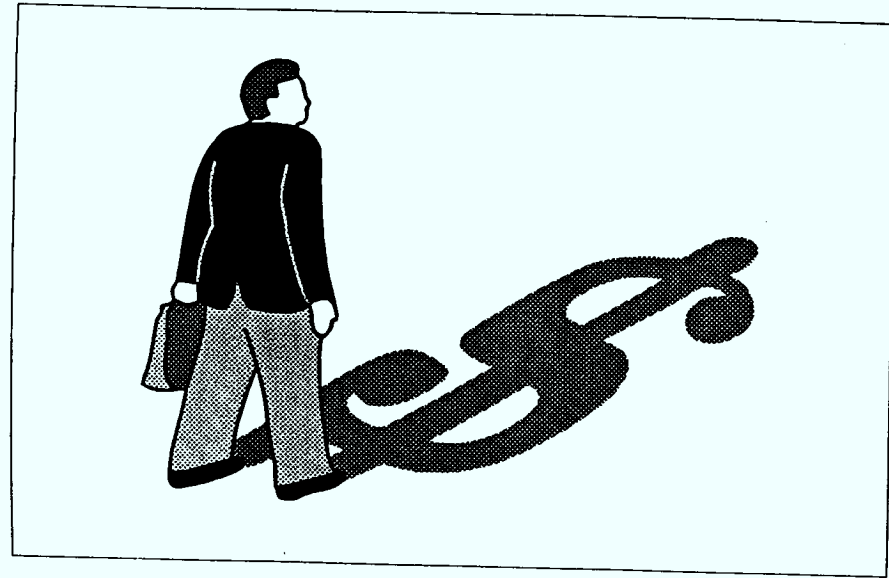
**International Sourcing Pattern of Original Equipment Parts of Five Major Motor Vehicle Manufacturers\* Table 2.11**  
**(Purchases from In-house and Independent Suppliers)**  
**(Millions of Dollars)**

<b>Model Year</b>	<b>U.S. Purchases from In-house Suppliers in Canada</b>	<b>Canadian Purchases from In-house Suppliers in U.S.</b>	<b>U.S. Purchases from Independent Suppliers in Canada</b>	<b>Canadian Purchases from Independent Suppliers in U.S.</b>
1965	17	522	74	236
1970	454	1 153	487	505
1975	797	2 209	876	1 051
1979	2 362	4 703	1 812	1 560
1980	1 604	3 992	1 253	1 226
1981	2 119	4 957	1 385	1 451
1982	2 892	5 374	1 477	1 844
1983	2 360	5 918	1 922	2 067
1984	3 960	7 813	2 617	3 034
1985	4 621	8 490	3 381	3 871
1986	4 869	9 710	3 736	4 619
1987	4 579	7 251	3 819	4 385
1988	3 979	8 752	3 500	4 838
1989	4 845	8 494	3 486	6 226
1990	4 621	8 981	2 661	5 647
1991	3 148	8 337	2 822	4 434
1992	4 272	9 004	2 508	5 447
1993	5 288	6 571	2 522	4 393

\* General Motors, Ford, Chrysler (includes AMC before 1987), CAMI (starting in 1989) and Navistar

Source: 1965-1977 data prepared by the Reisman Commission. 1978-1993 data prepared by Industry Canada.





Investment/  
Research and Development

**New Capital Expenditures in Canadian Automotive Industries**  
**(Millions of Dollars)**

Table 3.1

Year	Motor Vehicle Manufacturers (SIC 323)	Truck Body Manufacturers (SIC 324)	Motor Vehicle Parts and Accessories (SIC 325)	Automotive Dealers (SIC 631) *	Total
1965	66	25	107	NA	198
1970	32	13	170	NA	215
1975	61	19	81	NA	161
1980	136	47	781	192	1 156
1981	273	32	667	179	1 151
1982	203	34	189	137	563
1983	463	13	141	147	764
1984	256	13	171	238	678
1985	714	9	332	292	1 347
1986	1 897	19	403	321	2 640
1987	1 584	27	755	384	2 750
1988	1 917	21	646	411	2 995
1989	1 423	30	590	374	2 417
1990	787	8	457	316	1 568
1991	1 305	23	553	1 382	3 263
1992	1 628	12	588	1 202	3 430
1993 **	1 874	20	801	973	3 668
1994 ***	1 523	35	1 632	1 055	4 245

\* Data for 1991-1994 also includes recreational vehicle dealers, gasoline service stations, repair shops and parts and accessories dealers. Revised data for previous years is not yet available.

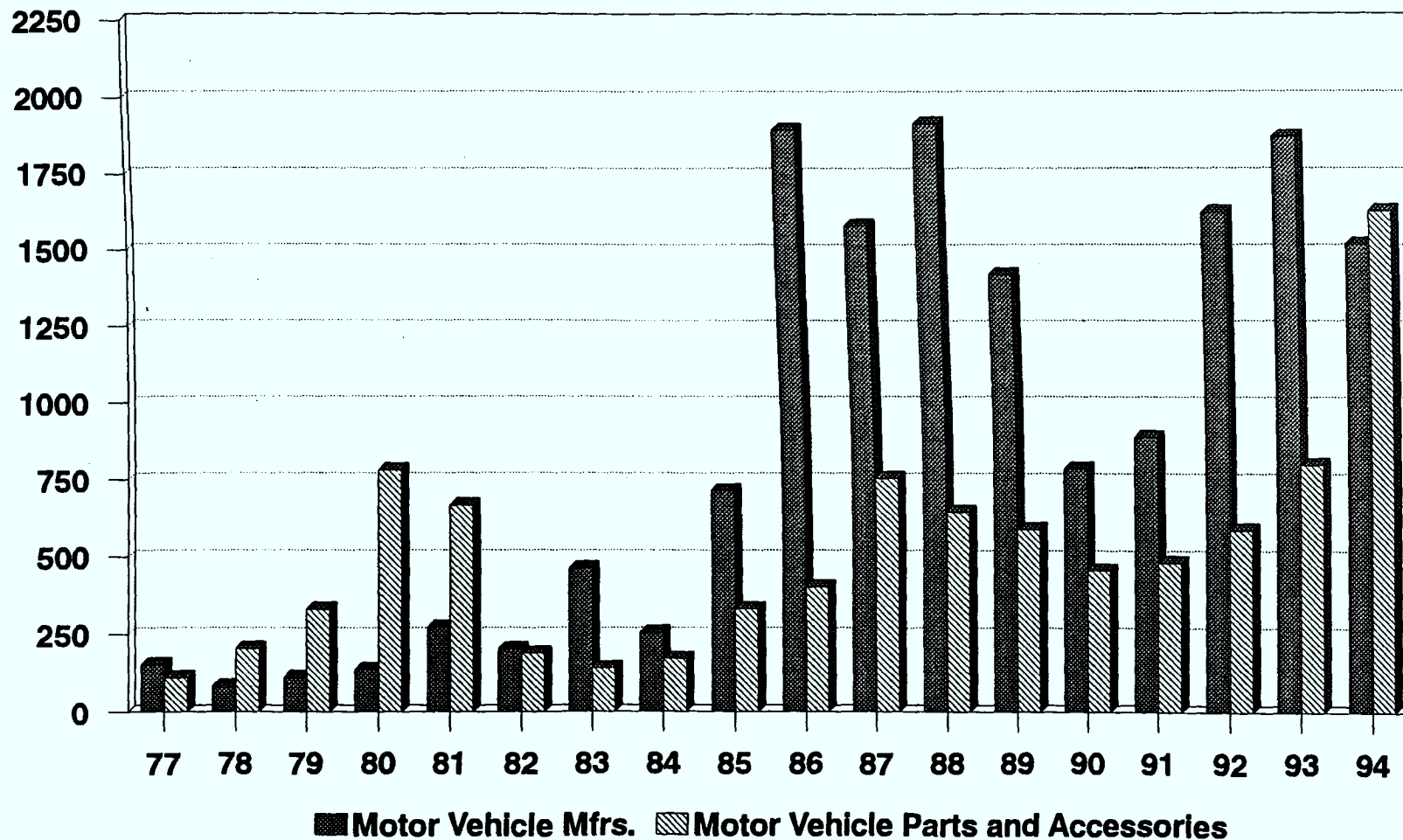
\*\* Preliminary

\*\*\* Intentions

Source: Statistics Canada Catalogue Number 61-214.

**New Capital Expenditures in Canadian Automotive Industries  
(Millions of Dollars)**

**Graph 3.1**





**Research and Development in the Motor Vehicle Industries  
(SIC 323, 324 and 325)**

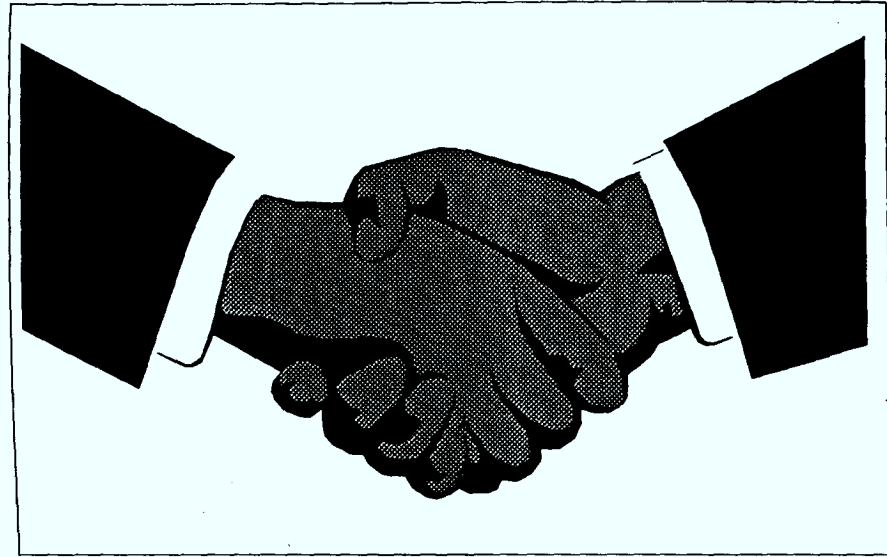
Table 3.2

<b>Year</b>	<b>Number of R&amp;D Performers</b>	<b>Total R&amp;D Personnel (Person-years)</b>	<b>Total R&amp;D Expenditures (Millions of Dollars)</b>	<b><i>R&amp;D Expenditures As Percentage of Shipments</i></b>
1965	20	NA	3	0.08
1970	28	NA	12	0.21
1975	28	545	14	0.10
1977	25	685	21	0.16
1979	24	735	32	0.19
1981	33	890	50	0.28
1982	32	825	55	0.28
1983	33	960	66	0.27
1984	25	890	70	0.21
1985	40	1 050	79	0.20
1986	55	1 029	75	0.23
1987	58	1 044	89	0.29
1988	58	947	77	0.24
1989	47	726	64	0.21
1990	45	835	64	0.17
1991 *	39	805	72	0.14
1992 *	39	NA	65	0.18
1993 *	39	NA	65	0.12

\* Preliminary figures

R&D data from 1986 to 1991 has been revised due to the industry reclassification of a large R&D performer.

Source: Statistics Canada.



Trade and Auto  
Pact Data

**Total Canadian Trade in Automotive Products  
(Millions of Dollars)**

Table 4.1

	1965	1970	1975	1980	1985	1989	1990	1991	1992	1993
<b>Canadian Exports</b>										
Cars	156	1 604	3 021	4 859	16 672	16 018	16 318	16 518	17 837	24 488
Trucks and Other Vehicles*	31	664	1 190	2 445	6 609	7 864	8 077	7 755	10 119	11 294
Parts	183	1 226	2 225	3 825	11 819	11 805	10 480	9 136	10 391	13 078
Tires and Tubes	8	18	73	262	637	694	721	773	898	1 092
<b>Total</b>	<b>378</b>	<b>3 512</b>	<b>6 509</b>	<b>11 391</b>	<b>35 737</b>	<b>36 381</b>	<b>35 596</b>	<b>34 182</b>	<b>39 245</b>	<b>49 952</b>
<b>Canadian Imports</b>										
Cars	207	876	2 548	4 417	11 293	11 721	10 671	11 665	11 588	11 779
Trucks and Other Vehicles*	62	298	987	1 347	2 950	3 145	3 114	3 221	3 254	4 147
Parts	818	2 237	4 631	7 955	18 897	19 867	19 175	18 471	21 696	27 881
Tires and Tubes	12	43	256	354	471	691	675	725	772	894
<b>Total</b>	<b>1 099</b>	<b>3 454</b>	<b>8 422</b>	<b>14 073</b>	<b>33 611</b>	<b>35 424</b>	<b>33 635</b>	<b>34 082</b>	<b>37 310</b>	<b>44 701</b>
<b>Balances</b>										
Cars	( 51)	728	473	442	5 379	4 297	5 647	4 853	6 249	12 709
Trucks and Other Vehicles*	( 31)	366	203	1 098	3 659	4 719	4 963	4 534	6 865	7 147
Parts	( 635)	(1 011)	(2 406)	(4 130)	(7 078)	(8 062)	(8 695)	(9 335)	(11 305)	(14 803)
Tires and Tubes	( 4)	( 25)	( 183)	( 92)	166	3	46	48	126	198
<b>Total</b>	<b>( 721)</b>	<b>58</b>	<b>(1 913)</b>	<b>(2 682)</b>	<b>2 126</b>	<b>957</b>	<b>1 961</b>	<b>100</b>	<b>1 935</b>	<b>5 251</b>

\* Trucks include mini-vans, light and heavy-duty trucks.  
Other vehicles include buses, specialty vehicles and motor homes.

Source: Statistics Canada Catalogue Numbers 65-001P and 11-001E (1965-1989).  
Data for years following 1989 compiled by Industry Canada using Statistics Canada data and definitions.

**Canadian Trade in Automotive Products (Other Than U.S.)**  
**(Millions of Dollars)**

Table 4.2

	1965	1970	1975	1980	1985	1989	1990	1991	1992	1993
<b>Canadian Exports</b>										
Cars	82	66	163	407	39	230	147	157	151	503
Trucks and Other Vehicles*	10	75	258	227	187	137	95	91	96	112
Parts	32	99	180	420	307	419	491	556	466	1 020
Tires and Tubes	4	3	5	31	45	29	13	13	11	25
<b>Total</b>	<b>128</b>	<b>243</b>	<b>606</b>	<b>1 085</b>	<b>578</b>	<b>815</b>	<b>746</b>	<b>817</b>	<b>724</b>	<b>1 660</b>
<b>Canadian Imports</b>										
Cars	113	217	365	1 029	2 727	3 609	3 786	4 668	4 471	3 783
Trucks and Other Vehicles*	2	23	45	130	380	401	318	309	502	472
Parts	21	130	206	355	1 459	2 460	2 923	3 244	3 374	4 023
Tires and Tubes	2	19	82	208	207	258	233	250	241	272
<b>Total</b>	<b>138</b>	<b>389</b>	<b>698</b>	<b>1 722</b>	<b>4 773</b>	<b>6 728</b>	<b>7 260</b>	<b>8 471</b>	<b>8 588</b>	<b>8 550</b>
<b>Balances</b>										
Cars	( 31)	( 151)	( 202)	( 622)	(2 688)	(3 379)	(3 639)	(4 511)	(4 320)	(3 280)
Trucks and Other Vehicles*	8	52	213	97	( 193)	( 264)	( 223)	( 218)	( 406)	( 360)
Parts	11	( 31)	( 26)	65	(1 152)	(2 041)	(2 432)	(2 688)	(2 908)	(3 003)
Tires and Tubes	2	( 16)	( 77)	( 177)	( 162)	( 229)	( 220)	( 237)	( 230)	( 247)
<b>Total</b>	<b>( 10)</b>	<b>( 146)</b>	<b>( 92)</b>	<b>( 637)</b>	<b>(4 195)</b>	<b>(5 913)</b>	<b>(6 514)</b>	<b>(7 654)</b>	<b>(7 864)</b>	<b>(6 890)</b>

\* Trucks include mini-vans, light and heavy-duty trucks.  
 Other vehicles include buses, specialty vehicles and motor homes.

Source: Statistics Canada Catalogue Numbers 65-001P and 11-001E (1965-1989).  
 Data for years following 1989 compiled by Industry Canada using Statistics Canada data and definitions.

**Canada-U.S. Trade in Automotive Products**  
(Millions of Dollars)

Table 4.3

	1965	1970	1975	1980	1985	1989	1990	1991	1992	1993
<b>U.S. Imports from Canada</b>										
Cars	74	1 538	2 858	4 452	15 277	15 788	16 171	16 361	17 686	23 985
Trucks and Other Vehicles*	21	589	932	2 218	6 422	7 727	7 982	7 664	10 023	11 182
Parts	151	1 127	2 045	3 405	11 512	11 386	9 989	8 580	9 925	12 058
Tires and Tubes	4	15	68	231	592	665	708	760	887	1 067
<b>Total</b>	<b>250</b>	<b>3 269</b>	<b>5 903</b>	<b>10 306</b>	<b>33 803</b>	<b>35 566</b>	<b>34 850</b>	<b>33 365</b>	<b>38 521</b>	<b>48 292</b>
<b>Canadian Imports from the U.S.</b>										
Cars	94	659	2 183	3 388	8 566	8 112	6 885	6 997	7 117	7 996
Trucks and Other Vehicles*	60	275	942	1 217	2 570	2 744	2 736	2 912	2 752	3 675
Parts	797	2 107	4 425	7 600	17 438	17 407	16 252	15 227	18 322	23 858
Tires and Tubes	10	24	174	146	264	433	442	475	531	622
<b>Total</b>	<b>961</b>	<b>3 065</b>	<b>7 724</b>	<b>12 351</b>	<b>28 838</b>	<b>28 696</b>	<b>26 315</b>	<b>25 611</b>	<b>28 722</b>	<b>36 151</b>
<b>Balances</b>										
Cars	( 20)	879	675	1 064	6 711	7 676	9 286	9 364	10 569	15 989
Trucks and Other Vehicles*	( 39)	314	( 10)	1 001	3 852	4 983	5 246	4 752	7 271	7 507
Parts	( 646)	( 980)	(2 380)	(4 195)	(5 926)	(6 021)	(6 263)	(6 647)	(8 397)	(11 800)
Tires and Tubes	( 6)	( 9)	( 106)	85	328	232	266	285	356	445
<b>Total</b>	<b>( 711)</b>	<b>204</b>	<b>(1 821)</b>	<b>(2 045)</b>	<b>4 965</b>	<b>6 870</b>	<b>8 535</b>	<b>7 754</b>	<b>9 799</b>	<b>12 141</b>

\* Trucks include mini-vans, light and heavy-duty trucks.  
Other vehicles include buses, specialty vehicles and motor homes.

Source: Statistics Canada Catalogue Numbers 65-001P and 11-001E (1965-1989).  
Data for years following 1989 compiled by Industry Canada using Statistics Canada data and definitions.

**Overall Net Production to Net Sales-Value Ratios\* Achieved by Auto Pact Companies\*\*  
in Canada (Percent)**

Table 4.4

	Model Year										
	1965	1970	1975	1980	1985	1988	1989	1990	1991	1992	1993
<b>Passenger Cars</b> (Required Ratio: range 95-100) Net Sales-Value Ratio Achieved (All Companies)	100	161	122	106	174	153	138	158	170	166	197
<b>Trucks and Commercial Vehicles</b> (Required Ratio: range 75-100) Net Sales-Value Ratio Achieved (All Companies)	94	129	101	115	192	133	188	197	203	215	285
<b>Buses</b> (Required Ratio: range 85-100) Net Sales-Value Ratio Achieved (All Companies)	99	154	114	199	324	189	230	342	330	232	242

\* Net production to net sales-value ratio of the total value of Canadian vehicle production to the total net sales value of vehicle sales for all Auto Pact companies

\*\* Based on 18 major manufacturers

Source: Compiled from company Auto Pact reports to Industry Canada.

**Canadian Value Added/Cost of Sales Achieved by Auto Pact Producers\***  
**(Millions of Dollars)**

Table 4.5

	Model Year										
	1965	1970	1975	1980	1985	1988	1989	1990	1991	1992	1993
Cost of Sales in Canada of Auto Pact Producers (All Companies)	1 534	1 891	4 545	8 757	13 022	15 440	15 402	13 244	12 487	13 170	12 907
Total Canadian Value Added (All Companies)	956	1 643	2 987	4 659	10 210	11 035	11 438	11 238	10 599	10 517	10 964
Difference between Cost of Sales and Canadian Value Added	578	248	1 558	4 098	2 812	4 405	3 964	2 006	1 888	2 653	1 943
<b>Canadian Value Added</b>											
<i>Total achieved Canadian Value Added as Percentage of Cost of Sales</i>	63	91	66	53	78	72	74	85	85	80	85

\* Based on 18 major manufacturers

Source: Compiled from company Auto Pact reports to Industry Canada.

**Total Canadian Value Added by Category of Production for the Four Major Auto Pact Vehicle Manufacturers in Canada\***  
(Millions of Dollars)

Table 4.6

Year	Non-Parts CVA** in Vehicle Production	Parts CVA in Vehicle Production	CVA in Original Equipment Parts Exported	Total CVA Produced	Parts CVA as Percent of Total CVA	In-vehicle CVA as Percent of Total CVA
	A	B	C	D=A+B+C	(B+C)/D	(A+B)/D
1965	380	576	100	1 056	64.0	90.5
1970	483	510	651	1 644	70.6	60.4
1975	876	733	1 106	2 715	67.7	59.3
1980	1 322	1 087	1 755	4 164	68.3	57.9
1981	1 345	1 273	2 218	4 836	72.2	54.1
1982	1 457	1 233	2 256	4 946	70.5	54.4
1983	1 604	1 446	2 542	5 592	71.3	54.5
1984	1 981	1 797	3 917	7 695	74.3	49.1
1985	2 182	3 094	5 095	10 371	79.0	50.9
1986	2 432	2 501	5 532	10 465	76.8	47.1
1987	2 365	1 856	5 124	9 345	74.7	45.2
1988	2 877	3 114	5 044	11 035	73.9	54.3
1989	3 057	2 562	4 877	10 496	70.9	53.5
1990	3 132	3 401	4 551	11 084	71.7	58.9
1991	2 998	2 577	4 268	9 843	69.5	56.6
1992	3 453	3 328	3 634	10 415	66.8	65.1
1993	3 768	3 743	3 637	11 148	66.2	67.4

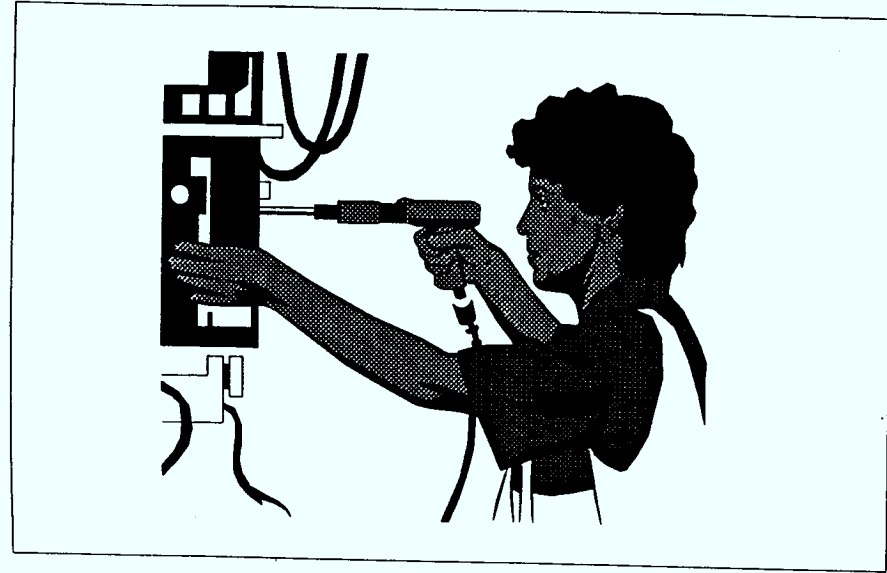
\* General Motors, Ford, Chrysler (includes AMC before 1987) and CAMI (starting in 1989)

\*\* Canadian Value Added

Source: 1965-1977 data prepared by the Reisman Commission; 1978-1993 data prepared by Industry Canada.







Employment

Employment Related to Automotive Industries in Canada (Annual Average)

Table 5.1

Year	Manufacturing				Retail		Total Automotive Industries
	Motor Vehicle Assembly (SIC 323)	Truck Bodies and Trailers (SIC 324)	Automotive Parts** and Accessories (SIC 325)	Total Manufacturing	Automobile Dealers/Distributors (SIC 631)	Aftermarket*** (SIC 552, 633) (SIC 634, 635)	
1965	42 900	5 400	31 900	80 200	NA	NA	80 200
1970	38 100	10 100	38 900	87 100	NA	NA	87 100
1975	45 300	17 700	42 600	105 600	NA	NA	105 600
1980	44 900	14 800	52 000	111 700	NA	NA	111 700
1981	44 300	13 100	55 700	113 100	NA	NA	113 100
1982	42 200	9 700	53 600	105 500	NA	NA	105 500
1983	47 600	8 600	64 700	120 900	72 900	194 500	388 300
1984	54 300	10 100	77 400	141 800	94 400	201 500	437 700
1985	56 900	11 400	84 400	152 700	95 600	213 600	461 900
1986	53 500	12 900	85 200	151 600	109 000	212 300	472 900
1987	52 000	13 400	88 800	154 200	110 900	218 600	483 700
1988	52 700	15 300	94 300	162 300	105 500	226 400	494 200
1989	55 400	16 200	96 300	167 900	121 700	235 400	525 000
1990	56 100	12 300	86 400	154 800	128 400	238 500	521 700
1991	55 700	9 100	78 200	143 000	120 400	210 500	473 900
1992	54 700	10 200	83 100	148 000	117 000	205 000	470 000
1993*	51 900	9 600	75 700	137 200	131 200	208 000	476 400

\* Figures for manufacturing are from the Survey of Earnings, Payroll and Hours (SEPH). Previous years are from the Census of Manufacturers' . A comparison of SEPH employment for the parts and accessories industry between 1992 and 1993 indicates an increase of 8 percent.

\*\* Includes aftermarket manufacturing

\*\*\* Includes wholesale and retail stores, service stations and repair shops

Source: Statistics Canada Catalogue Number 42-251B and 72-002.

**Employment Related to Automotive Industries in the U.S. (Annual Average)**  
**(Thousands)**

Table 5.2

Year	Manufacturing					Retail		Total Automotive Industries
	Motor Vehicles (SIC 3711)	Truck and Bus Bodies (SIC 3713)	Parts and Accessories (SIC 3714)	Automotive Stampings (SIC 3465)	Total Manufacturing	Automobile Dealers (SIC551)	Aftermarket (SIC 501, 554) (SIC 7538)	
1972	415	46	383	105	949	775	1 012	2 736
1973	462	51	430	111	1 054	803	1 032	2 889
1974	416	55	403	96	970	753	982	2 705
1975	375	46	353	82	856	731	1 004	2 591
1976	416	44	399	100	959	770	1 024	2 753
1977	443	46	427	110	1 026	802	1 042	2 870
1978	469	45	452	118	1 084	840	1 064	2 988
1979	463	46	441	118	1 068	835	1 032	2 935
1980	368	40	350	95	853	745	995	2 593
1981	359	37	363	94	853	707	989	2 549
1982	317	31	323	81	752	694	1 126	2 572
1983	349	32	339	87	807	722	1 132	2 661
1984	392	36	388	100	916	794	1 192	2 902
1985	409	37	394	106	946	856	1 224	3 026
1986	400	38	390	103	931	896	1 233	3 060
1987	381	42	394	99	916	925	1 249	3 090
1988	353	43	409	103	908	958	1 275	3 141
1989	350	42	416	107	915	954	1 306	3 175
1990	329	39	400	101	869	924	1 320	3 113
1991	313	35	401	94	843	879	1 280	3 002
1992	314	34	417	98	863	876	1 270	3 009
1993	316	35	422	99	872	907	1 289	3 068

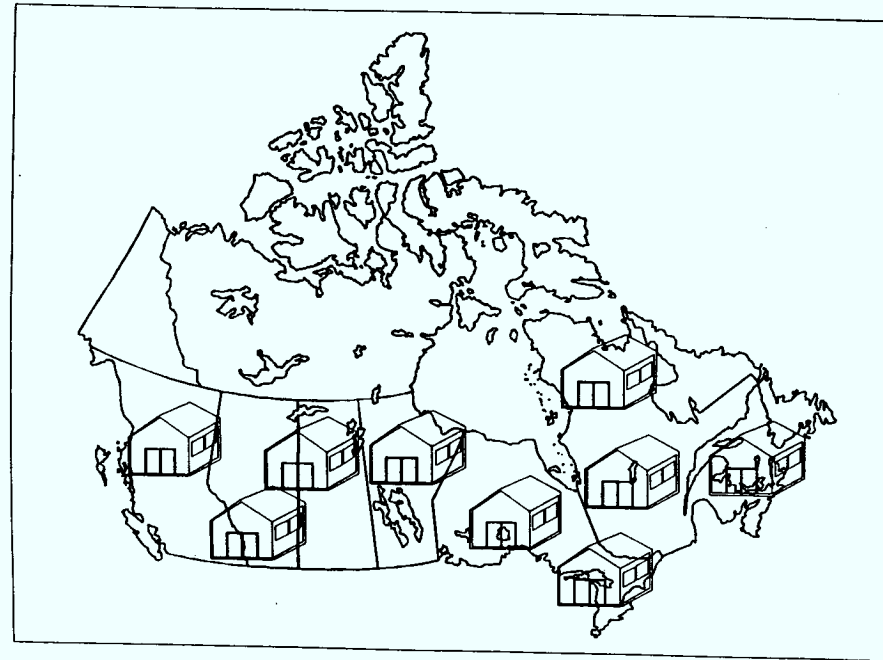
Source: U.S. Bureau of Labor Statistics.

# Canadian Automotive Parts Industry by Number of Employees, 1991

Table 5.3

<b>Number of Employees</b>	<b>Number of Establishments</b>	<b><i>Percent of Total Establishments</i></b>	<b>Value of Shipments (Millions of Dollars)</b>	<b><i>Percent of Total Shipments</i></b>
1 to 19	173	29.8	137 779	1.1
20 to 199	299	51.6	3 140 541	24.7
200-999	100	17.2	7 801 391	61.4
1000 or more	8	1.4	1 626 839	12.8
<b>Total</b>	<b>580</b>	<b>100.0</b>	<b>12 706 550</b>	<b>100.0</b>

Source: Statistics Canada Catalogue Number 42-251B.



## Major Automotive Plants in Canada

Table 6.1

## Major Motor Vehicle Assembly Plants in Canada

Company/Plant Name	Location	Products
<b>Light Vehicle Manufacturers</b>		
Canadian Automobile Mfg. Inc. (CAMI)	Ingersoll, Ontario	Geo Metro, Swift, Tracker/Sunrunner
Chrysler Canada Ltd.	Bramalea, Ontario	Concorde, Intrepid, New Yorker, Vision, LHS
	Windsor, Ontario Windsor, Ontario	Caravan, Voyager, Mini Ram van Ram van, Ram wagon
Ford of Canada Ltd.	Oakville, Ontario	Windstar Van
	Oakville, Ontario	F series (pick-up trucks)
	St. Thomas, Ontario	Crown Victoria, Grand Marquis
Honda Canada Inc.	Alliston, Ontario	Civic (2 and 3 door)
Hyundai Auto Canada Inc.	Bromont, Quebec	Sonata*
General Motors of Canada Ltd.	Oshawa, Ontario	Lumina
	Oshawa, Ontario	Regal
	Oshawa, Ontario	C-K Pickup, Sierra
	Sainte-Thérèse, Quebec	Camaro/Firebird
Toyota Canada Inc.	Cambridge, Ontario	Corolla
Volvo Canada Inc.	Halifax, Nova Scotia	940 series

\* Plant idle since October 1993.

Table 6.1

## Major Motor Vehicle Assembly Plants in Canada

Company/Plant Name	Location	Products
<b>Truck Manufacturers</b>		
Canadian Kenworth (division of Paccar Canada Ltd.)	Sainte-Thérèse, Quebec	Heavy-duty trucks
Freightliner of Canada Ltd.	St. Thomas, Ontario	Heavy-duty trucks
Navistar International Corporation Canada	Chatham, Ontario	Heavy-duty trucks
Western Star Trucks Inc.	Kelowna, British Columbia	Heavy-duty trucks
<b>Bus Manufacturers</b>		
Canadian Bluebird Coach Ltd.	Brantford, Ontario	School buses
Chrysler Canada Ltd.	Windsor, Ontario	10-15 passenger mini-buses
Novabus	Saint-Eustache, Quebec	Urban transit buses
Motor Coach Industries Ltd.	Winnipeg, Manitoba	Highway buses
New Flyer Industries Ltd.	Winnipeg, Manitoba	Urban transit buses
Ontario Bus Industries Inc.	Mississauga, Ontario	Urban transit buses
Prévost Car Inc.	Sainte-Claire, Quebec	Highway buses
Thomas Built Buses of Canada	Woodstock, Ontario	School buses

Source: Compiled from information supplied by the companies.



**Table 6.2**

**A Partial Listing of Major Automotive Plants in Canada**

<b>Company/Plant Name</b>	<b>Location</b>	<b>Products</b>
<b>In-house Facilities</b>		
<b>Chrysler Canada Ltd.</b>		
Trim plant	Ajax, Ontario	Door panels, seat cushions, backs
Aluminum casting plant	Etobicoke, Ontario	Pistons, water pump bodies, transmissions, transfer cases
Trim plant	Stratford, Ontario	Soft interior trim components
<b>Ford Motor Company of Canada Ltd.</b>		
Essex engine plant	Windsor, Ontario	V6 engines
Ensite engine plant #1	Windsor, Ontario	V8 engines
Foundry and casting plant	Windsor, Ontario	Iron castings
Essex aluminum plant	Windsor, Ontario	Aluminum castings
Ford Electronics Manufacturing Corp.	Markham, Ontario	Radio and electronic components

Table 6.2

### A Partial Listing of Major Automotive Plants in Canada

Company/Plant Name	Location	Products
<b>General Motors of Canada Ltd.</b>		
Fabrication plant	Oshawa, Ontario	Stampings, batteries, instrument clusters, plastics, reaction injection moulding
Engine plant	St. Catharines, Ontario	V6 and V8 engines
Trim plant	Windsor, Ontario	Trim sets, door covers
Transmission plant	Windsor, Ontario	Front-wheel-drive automatic transmissions
<b>Tire and Tube Manufacturers</b>		
Bridgestone/Firestone Canada Inc.	Joliette, Quebec	Passenger car and light truck tires
Goodyear Canada Inc.	Medicine Hat, Alberta Napawee, Ontario Valleyfield, Quebec	Passenger, truck, bus and off-highway tires
Michelin Tires (Canada) Ltd.	Bridgewater, Nova Scotia Granton, Nova Scotia Waterville, Nova Scotia	Passenger, truck, bus and off-highway tires
Trent Rubber Services Ltd.	Lindsay, Ontario	Tubes
Uniroyal-Goodrich Canada Inc.	South-Kitchener, Ontario	Passenger, truck, bus and off-highway tires
United Tire and Rubber Company Ltd.	Rexdale, Ontario	Truck, bus, and off-highway tires

Table 6.2

## A Partial Listing of Major Automotive Plants in Canada

Company/Plant Name	Location	Products
<b>Foreign-owned Independent Manufacturers (larger facilities)</b>		
AP Parts of Canada	Rexdale, Ontario	Mufflers, tail and exhaust pipes
Allied Signal Corp.	Chatham, Ontario London, Ontario Stratford, Ontario	Induction systems, engine cooling fans, electric drive cooling modules, cooling air blowers, EGR valves, electronic vacuum regulators, sensors and actuators,
Alois Berger	Brampton, Ontario	Precision machined components secondary air valves, etc.
Bellemar Parts Industries Canada Inc.	Alliston, Ontario	Automotive seating
Budd Canada Inc.	Kitchener, Ontario Winnipeg, Manitoba	Frames, engine heaters
Canadian Auto Parts Toyota Inc.	Delta, British Columbia	Aluminum cast wheels
Cooper Automotive Products Inc.	Brampton, Ontario	Steering parts, suspension parts, stampings
F&P Manufacturing	Tottenham, Ontario	Heavy stampings
Gates Canada	Brantford, Ontario	Rubber hose and tubing, automotive belts
Hayes-Dana Inc.	Barrie, Ontario Burlington, Ontario Cambridge, Ontario Georgetown, Ontario Magog, Quebec Pickering, Ontario St. Catharines, Ontario Thorold, Ontario	Drive shafts, frames, axles, etc.

## A Partial Listing of Major Automotive Plants in Canada

Company/Plant Name	Location	Products
<b>Foreign-owned Independent Manufacturers (larger facilities)</b>		
Joh Rubber	Leamington, Ontario	Vulcanized-in-place seals for heads and manifolds
Johnson Controls Ltd.	Lachine, Quebec St. Thomas, Ontario Winnipeg, Manitoba	Batteries, seating
Kralinator Filters (Division of Hayes-Dana)	Cambridge, Ontario	Oil, fuel and air filters
Lear Seating Canada	Ajax, Ontario Whitby, Ontario Lindsay, Ontario Kitchener, Ontario	Automotive seating
PPG Canada Inc.	Toronto, Ontario Mississauga, Ontario Hawkesbury, Ontario	Glass for automobiles, adhesives, coatings, paint, phosphating compounds
Rockwell International of Canada Ltd.	Chatham, Ontario Tilbury, Ontario Mississauga, Ontario Bracebridge, Ontario Milton, Ontario	Coil springs, brakes, mechanical stampings, plastic components
TRW Canada Limited, Thompson Products Division	St. Catharines, Ontario	Steering components, valves, electro-mechanical devices
Volkswagen Canada Inc.	Barrie, Ontario	Transmission parts, brake parts, wheels
Walker Exhausts	Cambridge, Ontario	Mufflers, tail and exhaust pipes

Table 6.2

## A Partial Listing of Major Automotive Plants in Canada

Company/Plant Name	Location	Products
Waterville T.G. Inc.	Waterville, Quebec	Rubber products, padded auto instrument panels
<b>Canadian-owned Companies</b>		
ABC Group of Companies	Rexdale, Ontario	Blow-moulded automotive components
A.G. Simpson Co. Ltd.	Cambridge, Ontario Oakville, Ontario Oshawa, Ontario Scarborough, Ontario Windsor, Ontario	Heavy stampings
Amcan Castings	Hamilton, Ontario	Large aluminum castings, hi-pressure diecastings, transmission castings
Butler Metal Products Co. Ltd.	Cambridge, Ontario	Stampings
Canadian General Tower Ltd.	Cambridge, Ontario	Vinyl seat covers
Complx Corporation (The)	Windsor, Ontario Cobourg, Ontario	Compression and injection-moulded components
Court Industries Limited	St. Catharines	Surface treatment services, chrome and zinc-plating, bonderizing, screw machine products, transmission parts
Crila Plastic Industries Ltd.	Bolton, Ontario	Aftermarket trim
Do-Ray Lamp Company (Canada)	Toronto, Ontario	Truck lighting and safety equipment
Dominion Automotive Industries	Toronto, Ontario	Protective lighting, mirrors, directional signals
Fabricated Steel Products Ltd.	Windsor, Ontario	Stampings

Table 6.2

## A Partial Listing of Major Automotive Plants in Canada

Company/Plant Name	Location	Products
<b>Canadian-owned Companies</b>		
Hudson Bay Die Casting	Brampton, Ontario	Zinc components, hi-pressure die castings
Huron Steel Products Inc.	Windsor, Ontario	Stampings
Kendan Manufacturing Ltd.	Windsor, Ontario	Diesel engine components
Linamar Machine Limited	Guelph, Ontario	Transmission parts, machining axles
Magna International Incorporated Atoma Division Cosma Division Decoma Division Tesma Division	Newmarket, Ontario Brampton, Ontario Concord, Ontario Concord, Ontario	Seatings, interior trim Stampings, exterior parts Plastic interior and exterior parts Steel engine components
Magnesium Products Ltd.	Strathroy, Ontario	Magnesium parts
National Auto Radiator Manufacturing Co. Ltd.	Windsor, Ontario	Stampings
Stelco Inc. (parts manufacturing only)	Gananoque, Ontario Toronto, Ontario Brantford, Ontario	Fasteners and forgings
Tamco Ltd.	Windsor, Ontario	Gear-shift levers, steering-column jackets
Western Foundry	Brantford, Ontario Wingham, Ontario	Exhaust manifolds
Woodbridge Foam Corporation	St. Jerome, Quebec Tilbury, Ontario Whitby, Ontario Windsor, Ontario Woodbridge, Ontario	Seats, other foam rubber components

Table 6.3

## New Entrant Assembly Investment in North America

Company	Location	Announced Capacity (Thousands)	Date Open	Products
<b>Canada</b>				
CAMI *	Ingersoll, Ontario	200	1989	Geo Metro, Geo Tracker, Sidekick
Honda	Alliston, Ontario	100	1986	Civic (3 dr.hatchback, 2 dr. coupe)
Toyota	Cambridge, Ontario	70	1988	Corolla
<b>U.S.</b>				
Diamond Star	Bloomington-Normal, Illinois	240	1988	Talon, Gallant, LeBaron, Avenger, Sebring
Honda	Marysville, Ohio	360	1982	Accord
	Liberty, Ohio	150	1991	Civic
Auto Alliance	Flat Rock, Michigan	240	1987	626, MX-6, Probe
Nissan	Smyrna, Tennessee	240	1983	Altima, Sentra
	Smyrna, Tennessee	200	1992	Nissan pickup
	Avon Lake, Ohio (Ford)	100	1992	Nissan Quest, Mercury Villager
NUMMI *	Fremont, California	140	1984	Corolla, Prizm
		125		Compact pick-up
Saturn Corp.	Spring Hill, Tennessee	200	1991	Saturn
Subaru/Isuzu	Lafayette, Indiana	220	1989	Rodeo, Legacy
Toyota	Georgetown, Kentucky	200	1993	Camry, Avalon**
	Georgetown, Kentucky	200	1988	Camry, Avalon
<b>Mexico</b>				
Nissan	Aguascalientes, Mexico	100	1993	Tsura
Volkswagen	Puebla, Mexico	115	1992	Beetle, Golf, Jetta

\* Joint venture with General Motors

\*\* Effective August 1994

Company	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993
Acura	--	--	--	--	--	--	41	44	44	44
American Motors	256	189	169	--	--	--	--	--	--	--
BMW	39	43	41	40	43	42	38	38	38	35
Chrysler	566	555	563	721	722	695	659	622	606	601
Fiat	53	88	--	--	--	--	--	--	--	--
Ford	781	715	723	723	680	669	655	641	641	643
General Motors	1,091	969	971	974	969	964	947	938	918	906
Honda	160	188	204	262	268	256	218	219	219	217
Hyundai	--	173	204	180	172	157	144	151	145	156
Infiniti	--	--	--	--	--	--	--	--	20	23
Jaguar	97	20	20	21	21	23	23	22	20	21
Lada	44	76	61	57	57	61	69	50	63	78
Lexus	--	--	--	--	--	--	--	--	22	22
Mazda	130	137	138	156	164	168	176	175	185	184
Mercedes	57	53	52	52	51	54	56	55	55	39
Nissan	212	188	190	195	187	180	179	173	168	161
Passport/Saturn	--	--	--	--	40	59	70	63	67	66
Saab*	52	41	36	32	30	32	--	--	--	--
Skocar	--	60	51	51	27	23	34	30	30	--
Subaru	102	80	84	85	81	89	87	90	91	87
Suzuki	--	86	85	100	99	103	107	101	100	103
Toyota	195	208	213	233	233	237	239	241	236	234
Volkswagen	202	200	200	192	192	189	184	187	181	180
Volvo	94	72	69	66	64	61	61	57	52	53
<b>Total Light Vehicle Dealers</b>	<b>4,131</b>	<b>4,141</b>	<b>4,074</b>	<b>4,140</b>	<b>4,100</b>	<b>4,062</b>	<b>3,946</b>	<b>3,853</b>	<b>3,857</b>	<b>3,809</b>

\* Figures are included with General Motors starting in 1990.

Source: Motor Vehicle Manufacturers' Association (MVMA).



## **Selected Publications Available on the Automotive Industry**

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### **Available from Automotive, Urban Transit and Rail Branch**

*Automotive Trade Statistics* - published annually  
*Directory of Canadian Automotive Aftermarket Accessories and Garage Equipment Manufacturers* - May 1994  
*Directory of Canadian Automotive Original Equipment Parts Manufacturers* - May 1994  
*Directory of Canadian Specialty Vehicle Manufacturers* - January 1994  
*Directory of Canadian Vehicle Manufacturers* - November 1993  
*Quarterly Automotive Circular* - published quarterly

### **Available from Business Service Centres**

#### **Industry Profiles:**

- Automotive Aftermarket Parts
- Automotive Original Equipment Parts
- Automotive Tires
- Heavy-Duty Trucks
- Light Motor Vehicles
- Specialty Vehicles
- Urban and Intercity Buses

### **Available from Statistics Canada**

*Employment, earnings and hours* (monthly) — Catalogue Number 72-002  
*Capital and repair expenditures manufacturing sub-industries* — Catalogue Number 61-214  
*Industry Price Indexes* — Catalogue Number 62-011  
*Monthly survey of manufacturing* — Catalogue Number 31-001  
*New motor vehicle sales* (monthly) — Catalogue Number 63-007  
*Preliminary statement of international trade* (monthly) — Catalogue Number 65-001P  
*Road motor vehicles, registrations* (annual) — Catalogue Number 53-219  
*The Daily* — Catalogue Number 11-001E  
*Transportation equipment industries* (annual) — Catalogue Number 42-251

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