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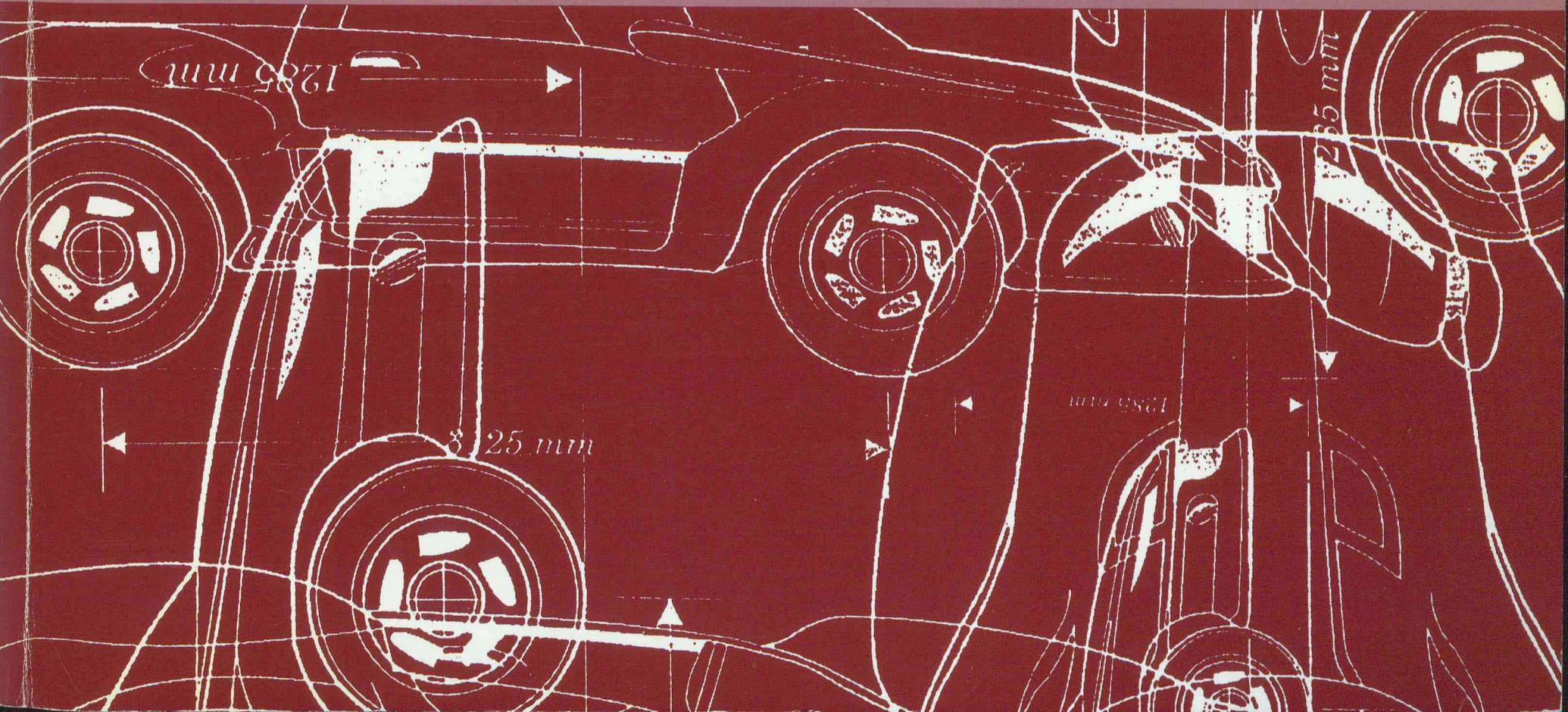
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STATISTICAL REVIEW OF THE CANADIAN AUTOMOTIVE INDUSTRY: 1990



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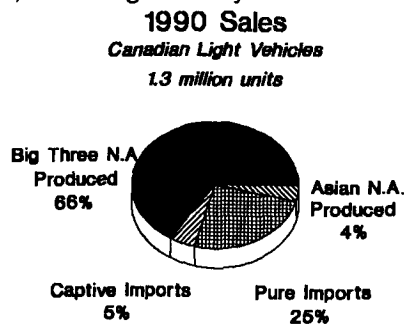
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Automotive Developments in 1990

The sales and production decline experienced by the Canadian automotive industry in 1989, following seven years of strong performance, continued into 1990 as both the Canadian and U.S. economies moved into recession. The result was a decline in Canadian car sales of 11 percent from 1989, while truck sales fell 14 percent over the same period. The Big Three's car and truck sales dropped a total of 12 percent, resulting in a 66 percent share of the market. The remainder was taken by imports sold by the Big Three (known as captive imports), vehicles produced in North America by Asian assemblers, and other imports. Sales in the U.S., which is the destination for over 80 percent of the vehicles built in Canada, declined by 5 percent.



Weak vehicle sales throughout North America resulted in considerable downtime at Canadian plants during 1990 to reduce inventories. The problem of excess assembly capacity, which has caused many plant closures in the U.S., is now affecting Canadian facilities. General Motors announced in 1989 that its Scarborough, Ontario, van plant will close in 1993. Chrysler has indicated that its Brampton, Ontario, facility will end production in 1992. All employees from the Brampton plant will be transferred to a second shift at Chrysler's Bramalea facility, which has received the product mandate for the corporation's new LH series vehicles. In spite of the current downturn, Canada produced 14 percent of the vehicles manufactured in North America during 1990.

Major investment programs are in place at the remaining 14 Canadian plants, including Ford's Oakville facility, which is receiving a new \$440-million state-of-the-art paint line. Sainte-Thérèse

(General Motors) has received the mandate to begin production of the Camaro-Firebird in 1992, resulting in a \$100-million investment in addition to the \$450 million already spent on an upgraded paint line.

Weak automotive sales, especially for the models produced by the Big Three, reduced demand for automotive parts during 1990. The Canadian industry's shipments are estimated to have declined by 9 percent during the year to \$13.5 billion while exports to the U.S. have fallen by 13 percent to \$10.1 billion, and employment dropped by 9 percent to 88 000. These conditions resulted in plant closures during the year, many of which were multi-plant operations attempting to reduce costs by consolidating production. Major new investments are under way, including the NKK/Dofasco joint venture to produce galvanized steel for use in automotive stampings, Goodyear's new tire plant in Napanee, Ontario, and stamping facilities adjacent to the Hyundai and Bramalea assembly facilities.

The Automotive Components Initiative -- which was launched by Industry, Science and Technology Canada in 1988 -- has helped many small and medium-sized automotive components companies to identify areas where productivity can be improved and, in some cases, to implement required changes. Combined annual shipments for companies that have received such assistance since the initiative was launched are over \$ 2 billion.

The Automotive Advisory Committee (AAC), reporting to the Minister of Industry, Science and Technology, was established in 1989 to promote communication and cooperation among industry, labour and government. The committee has held meetings with ministers on broad policy issues such as mobile emission levels, hazardous waste disposal and competitiveness. It has also addressed other issues related to the environment and to research and development in the Canadian industry.

Results to date include the following:

- Completion of an Application Paper that relates to the *Income Tax Act*, which will help companies within this specific sector make use of research and development tax credits.
- Progress in establishing university concentrations in automotive engineering.
- The establishment of an automotive technical centre.
- Production-level training programs.

The AAC has also established a working group to provide sectoral views on the proposed North American free trade agreement. In September 1990, the Minister for International Trade, John Crosbie, announced the government's intention to enter into discussions regarding such an agreement. Canadian/Mexican trade in automotive products totalled about \$1 billion in 1990.

The Automotive Select Panel, established under the Canada-U.S. Free Trade Agreement, issued a recommendation in August 1990 that the rule of origin requirement for duty-free automotive trade between Canada and the U.S. be increased from 50 percent to 60 percent. In response, Minister Crosbie stated that Canada would not agree to raise the rule of origin unless it clearly benefited the Canadian industry and improved its competitiveness. The panel's second major focus, a study of the competitiveness of the Canadian and U.S. industry, is now under way and is expected to be completed by the end of 1991.

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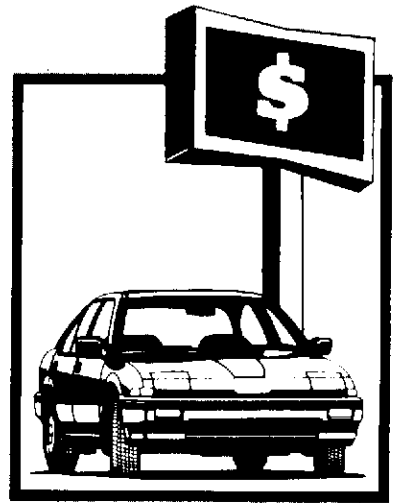
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NOTE: Because of the variety of sources from which these statistical tables have been derived or taken, totals will not always agree.



Sales

Table 1.1

Retail Sales of Motor Vehicles in Canada, 1965-1990
(000 Units)

Year	Automobiles			Trucks			Total Vehicles
	Domestic*	Overseas** Import	Total	Domestic*	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

* North American-Built (includes Mexico)

** Includes captives

Source: Statistics Canada Catalogue 63-007.

Table 1.2

**Retail Sales of Motor Vehicles in the U.S., 1965-1990
(000 Units)**

Year	Automobiles			Trucks			Total Vehicles
	Domestic*	Overseas** Import	Total	Domestic*	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

* North American-Built (includes Mexico)

** Includes captives

Source: Motor Vehicle Manufacturers' Association and *Ward's Automotive Reports*.

Table 1.3

**Canadian Car Sales* by Size by North American Companies, 1970-1990
(000 Units)**

Year	Sub-compact	Percent Total	Compact	Percent Total	Intermediate	Percent Total	Full-size	Percent Total	Luxury	Percent 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	9.6	38	4.2	910

* Includes captive imports

** Includes import models

Source: Motor Vehicle Manufacturers' Association by Ward's Classification.

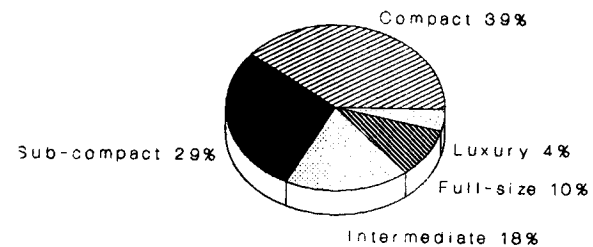


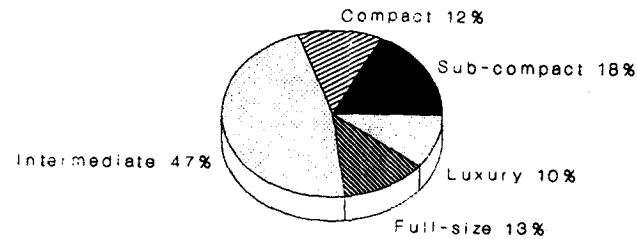
Table 1.4

**U.S. Sales of North American* Cars by Size, 1970-1990
(000 Units)**

Year	Sub-compact	Percent Total	Compact	Percent Total	Inter-mediate	Percent Total	Full-size	Percent Total	Luxury	Percent Total	Total Sales
1970	138	1.9	1 157	16.2	2 435	34.0	3 033	42.4	389	5.4	7 152
1975	1 167	17.3	1 679	24.8	1 975	29.2	1 588	23.5	352	5.2	6 761
1979	1 762	21.4	1 936	23.5	2 335	28.4	1 709	20.8	484	5.9	8 226
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	1 235	17.9	843	12.2	3 225	46.8	877	12.7	717	10.4	6 897

* Includes Mexico but does not include captives

Source: *Ward's Automotive Reports*. Figures from 1970 through 1975 are based on registrations (figures are low because of incomplete reports from some states). Subsequent years are based on retail sales.



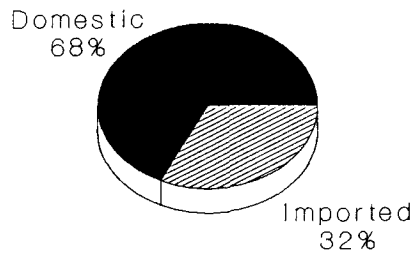
**Canadian Sales of New Passenger Cars by Origin, 1965-1990
(000 Units)**

Year	Total Sales Volume	Domestic*		Offshore Imports**		Imports from Japan**	
		Volume	Percent	Volume	Percent	Volume	Percent
1965	709	634	89.4	75	10.6	2	0.3
1970	640	497	77.7	143	22.3	66	10.3
1975	989	836	84.5	154	15.6	96	9.7
1979	1 003	864	86.1	139	13.9	80	8.0
1980	932	741	79.5	191	20.5	138	14.8
1981	904	647	71.6	257	28.4	208	23.0
1982	713	489	68.6	224	31.4	178	25.0
1983	843	625	74.1	218	25.9	177	21.0
1984	971	725	74.7	246	25.3	171	17.6
1985	1 137	795	69.9	342	30.1	199	17.5
1986	1 091	762	69.8	329	30.2	198	18.1
1987	1 065	701	65.8	364	34.2	243	22.8
1988	1 057	725	68.6	332	31.4	244	23.1
1989	993	674	67.9	319	32.1	246	24.7
1990	884	580	65.6	305	34.5	239	27.1

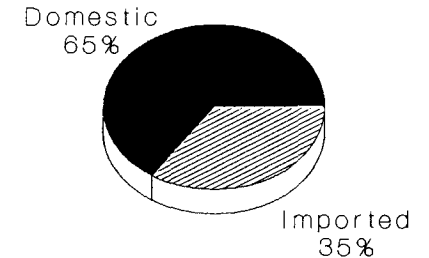
* North American-built (includes Mexico)

** Includes captives

Source: Statistics Canada Catalogue 63-007.



1989



1990

**U.S. Sales of New Passenger Cars by Origin, 1965-1990
(000 Units)**

Year	Total Sales Volume	Domestic*		Offshore Imports**		Imports from Japan**	
		Volume	Percent	Volume	Percent	Volume	Percent
1965	9 233	8 673	93.9	469	5.1	18	0.2
1970	8 365	7 116	85.1	1 249	14.9	313	3.7
1975	8 615	7 050	81.8	1 564	18.2	808	9.4
1979	10 647	8 328	78.2	2 319	21.8	1 834	17.2
1980	8 979	6 578	73.3	2 400	26.7	1 908	21.2
1981	8 533	6 206	72.7	2 328	27.3	1 859	21.8
1982	7 979	5 757	72.2	2 222	27.8	1 801	22.6
1983	9 182	6 795	74.0	2 387	26.0	1 916	20.9
1984	10 391	7 952	76.5	2 439	23.5	1 906	18.3
1985	11 039	8 205	74.3	2 834	25.7	2 218	20.1
1986	11 453	8 215	71.7	3 238	28.3	2 376	20.7
1987	10 278	6 886	67.0	3 392	33.0	2 330	22.7
1988	10 638	7 539	70.9	3 099	29.1	2 178	20.5
1989	9 903	7 078	71.5	2 825	28.5	2 048	20.7
1990	9 300	6 897	74.2	2 403	25.8	1 633	17.6

* North American-Built (includes Mexico)

** Includes captive imports for 1980 and subsequent years

Source: *Ward's Automotive Reports*.

Road Motor Vehicle Registrations in Canada, 1980-1989
(000 Units)

Year	Passenger Automobiles	Trucks & Truck Tractors	Buses	Motorcycles	Mopeds	Other	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

Source: Statistics Canada Catalogue 53-219.

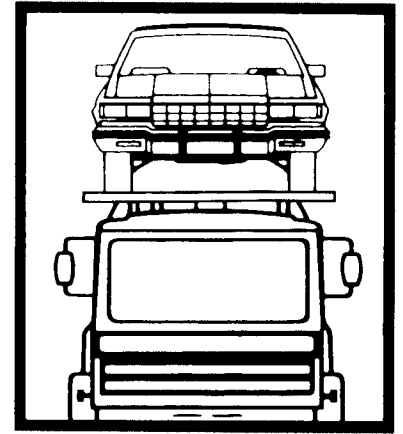
International Sourcing Pattern of Original Equipment Parts of Five Major Motor Vehicle Manufacturers *
(Purchases from In-house and Independent Suppliers), 1965-1990
(\$ Millions)

Model Year	U.S Purchases from In-house Suppliers in Canada	Canadian Purchases from In-house Suppliers in U.S.	U.S. Purchases from Independent Suppliers in Canada	Canadian Purchases from Independent Suppliers in U.S.
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

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

Source: Compiled from company responses to the Reisman Inquiry (1965-1977) and company Auto Pact reports (1979-1990).





Shipments

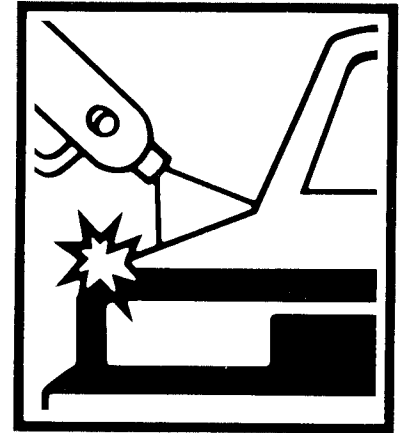
**Value of Shipments in Canadian Automotive Industries, 1976-1990
(\$ Millions)**

Year	Motor Vehicle Manufacturers	Truck Body & Trailer Manufacturers	Motor Vehicle Parts & Accessories Manufacturers*	Automotive Tire and Tube Manufacturers**	Total
1976	7 276	749	3 418	NA	11 443
1977	8 610	713	4 139	NA	13 462
1978	10 070	861	5 120	NA	16 051
1979	10 724	1 042	4 897	NA	16 663
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	NA	18 964
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	1 295	45 759
1990***	27 883	1 375	13 496	1 471	44 225

* Includes automobile fabric and accessories manufacturers

** Information supplied by companies

*** Estimate based on 1988 census



Production

Table 3.1

**North American Production of Motor Vehicles, 1965-1990
(000 Units)**

Year	Canada		U.S.		North America Total Volume
	Volume	Percent	Volume	Percent	
1965	846	7.1	11 114	92.9	11 960
1970	1 193	12.6	8 263	87.4	9 456
1975	1 442	13.9	8 965	86.1	10 407
1979	1 632	12.5	11 475	87.5	13 107
1980	1 374	14.6	8 010	85.4	9 384
1981	1 280	13.9	7 941	86.1	9 221
1982	1 236	15.0	6 985	85.0	8 221
1983	1 502	14.0	9 226	86.0	10 728
1984	1 830	14.3	10 924	85.7	12 754
1985	1 930	14.2	11 648	85.8	13 578
1986	1 859	14.1	11 317	85.9	13 176
1987	1 648	13.1	10 908	86.9	12 556
1988	1 977	15.0	11 197	85.0	13 174
1989	1 940	15.2	10 851	84.8	12 791
1990	1 922	14.1	11 695	85.9	13 617

Source: *Ward's Automotive Reports*.

North American Production of Motor Vehicles, 1965-1990
(000 Units)

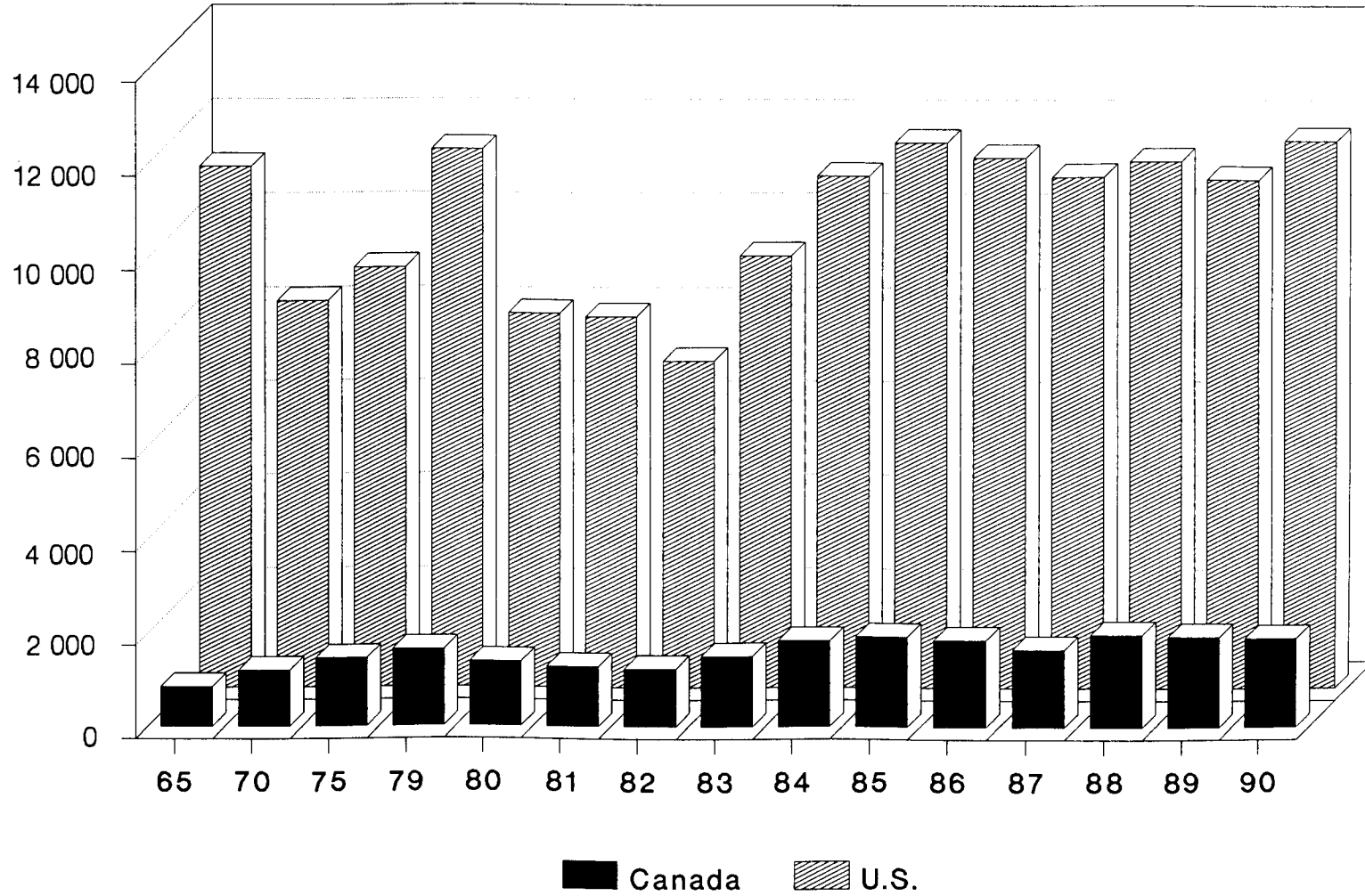


Table 3.2

**North American Production of Passenger Cars, 1965-1990
(000 Units)**

Year	Canada		U.S.		North American Total Volume
	Volume	Percent	Volume	Percent	
1965	707	7.0	9 329	93.0	10 036
1970	940	12.6	6 546	87.4	7 486
1975	1 055	13.6	6 706	86.4	7 761
1976	1 146	11.9	8 493	88.1	9 639
1977	1 162	11.2	9 211	88.8	10 373
1978	1 162	11.2	9 174	88.8	10 336
1979	997	10.6	8 422	89.4	9 419
1980	847	11.7	6 372	88.3	7 219
1981	784	11.1	6 251	88.9	7 035
1982	788	13.4	5 073	86.6	5 861
1983	955	12.3	6 782	87.7	7 737
1984	1 023	11.6	7 773	88.4	8 796
1985	1 071	11.6	8 186	88.4	9 257
1986	1 062	11.9	7 829	88.1	8 891
1987	811	10.3	7 100	89.7	7 911
1988	1 028	12.6	7 118	87.4	8 146
1989	1 002	12.8	6 823	87.2	7 825
1990	1 072	13.1	7 141	86.9	8 213

Source: *Ward's Automotive Reports*.

**Canadian Truck* Production, 1975-1990
(000 Units)**

Year	Light	Percent of Total	Medium & Heavy-Duty	Percent of Total	Total
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

* Includes vans

Source: *Ward's Automotive Reports*.

Table 3.4

**U.S. Truck* Production, 1965-1990
(000 Units)**

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
1976	2 637	88.5	199	6.7	143	4.8	2 979
1977	3 049	88.8	204	5.9	181	5.2	3 434
1978	3 263	88.0	224	6.0	219	5.9	3 706
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	4 062
1990	3 464	93.5	125	3.4	114	3.1	3 703

* Includes vans

Source: *Ward's Automotive Reports*.

Top Ten Vehicle Manufacturers in the World by Total Output, 1988

Company	Total Output (Units)
General Motors - U.S.A	7 743 418
Ford Motor - U.S.A.	6 226 823
Toyota - Japan	4 084 264
Volkswagen - West Germany	2 875 337
Nissan - Japan	2 699 750
Peugeot - Citroen - France	2 465 267
Chrysler - U.S.A.	2 337 580
Renault - France	2 101 850
Fiat - Italy	2 049 647
Honda - Japan	1 709 828

Source: Motor Vehicle Manufacturers' Association of the United States, *World Motor Vehicle Data*, 1990.

Table 3.6

**World Motor Vehicle Production by Country, 1965-1990
(000 Units)**

	1965	1970	1975	1980	1985	1986	1987	1988	1989	1990
Japan	1 876	5 289	6 941	11 043	12 271	12 260	12 249	12 700	13 026	13 487
U.S.	11 118	8 267	8 991	8 010	11 672	11 373	10 975	11 262	11 125	9 888
West Germany	2 976	3 842	3 186	3 879	4 446	4 578	4 614	4 625	4 852	4 661
France	1 642	2 750	2 861	3 378	3 016	3 195	3 493	3 698	3 920	3 295
U.S.S.R.	634	916	1 964	2 199	2 200	2 226	2 100	2 180	2 100	2 000
Canada	852	1 157	1 446	1 373	1 937	1 864	1 564	1 960	1 936	1 905
Italy	1 176	1 854	1 459	1 612	1 573	1 913	1 913	2 111	2 221	1 875
Spain	229	536	814	1 182	1 418	1 307	1 433	1 866	2 046	1 679
South Korea	-	29	36	123	378	602	977	1 084	1 130	1 322
U.K.	2 177	2 098	1 648	1 313	1 311	1 203	1 342	1 545	1 626	1 296
Brazil	185	416	930	1 165	967	1 056	900	1 069	1 103	914

Source: *Automotive News* (ranked by 1990 production).

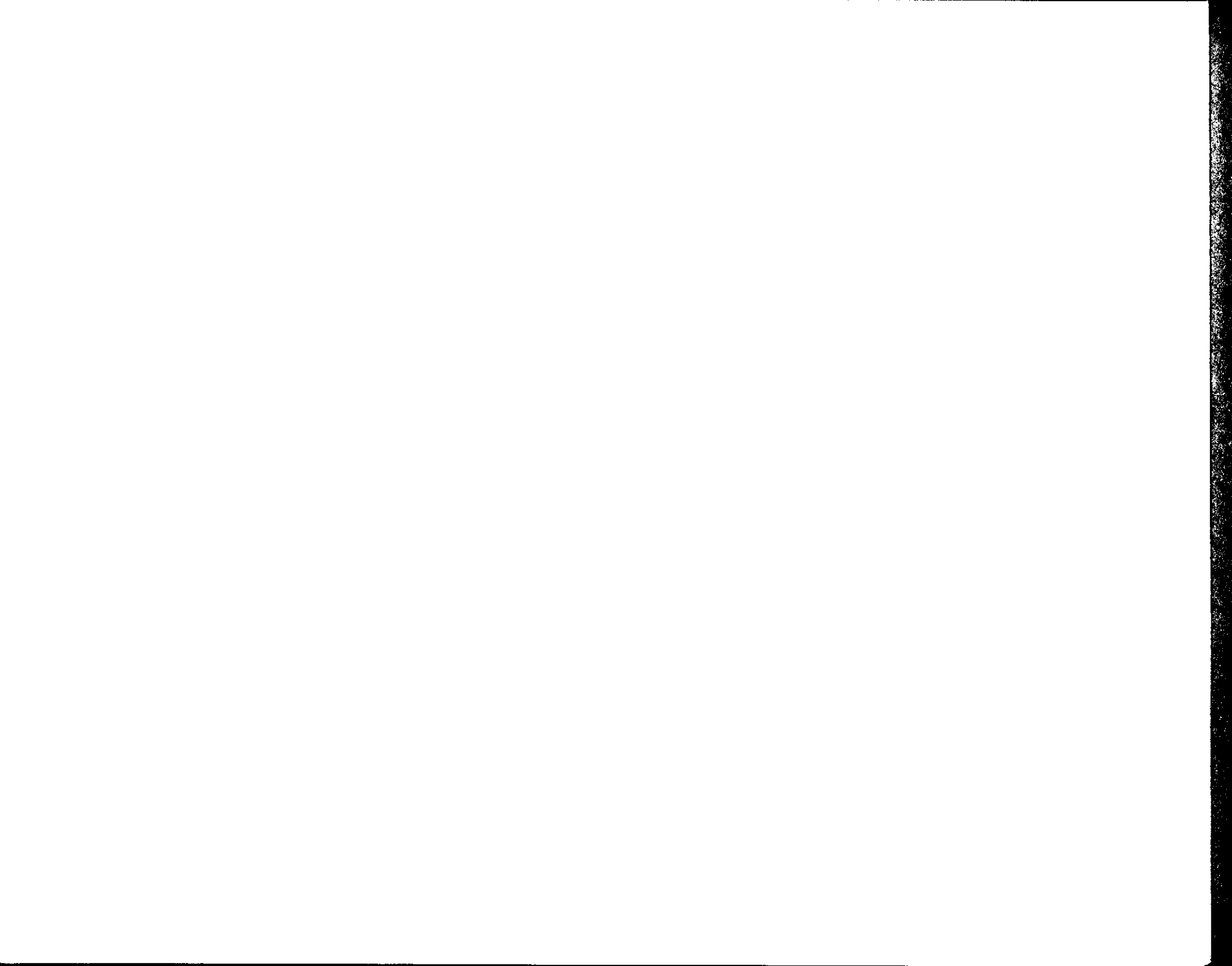
Canadian Motor Vehicle Production by Industrial Product Price Indexes, 1986-1990

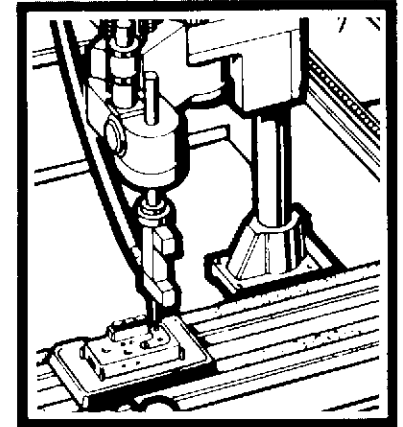
Year	Number of Units Produced (000)	Value of SIC 3231 Production (\$ Millions)	Unit Value (\$)	Index* (1986 = 100)	Motor Vehicle Industry (IPPI)** (1986 = 100)
1986	1 854	24 174	13 039	100.0	100.0
1987	1 635	22 421	13 713	105.2	99.6
1988	1 977	27 981	14 153	108.5	95.2
1989	1 994	27 599	13 845	106.2	94.1
1990	1 923	28 142	14 634	112.2	94.6

* Index based on unit value (number of units produced /value of production)

** Industrial Product Price Indexes for SIC 3231 based on the actual prices of a select group of vehicles

Source: Statistics Canada.





Investment

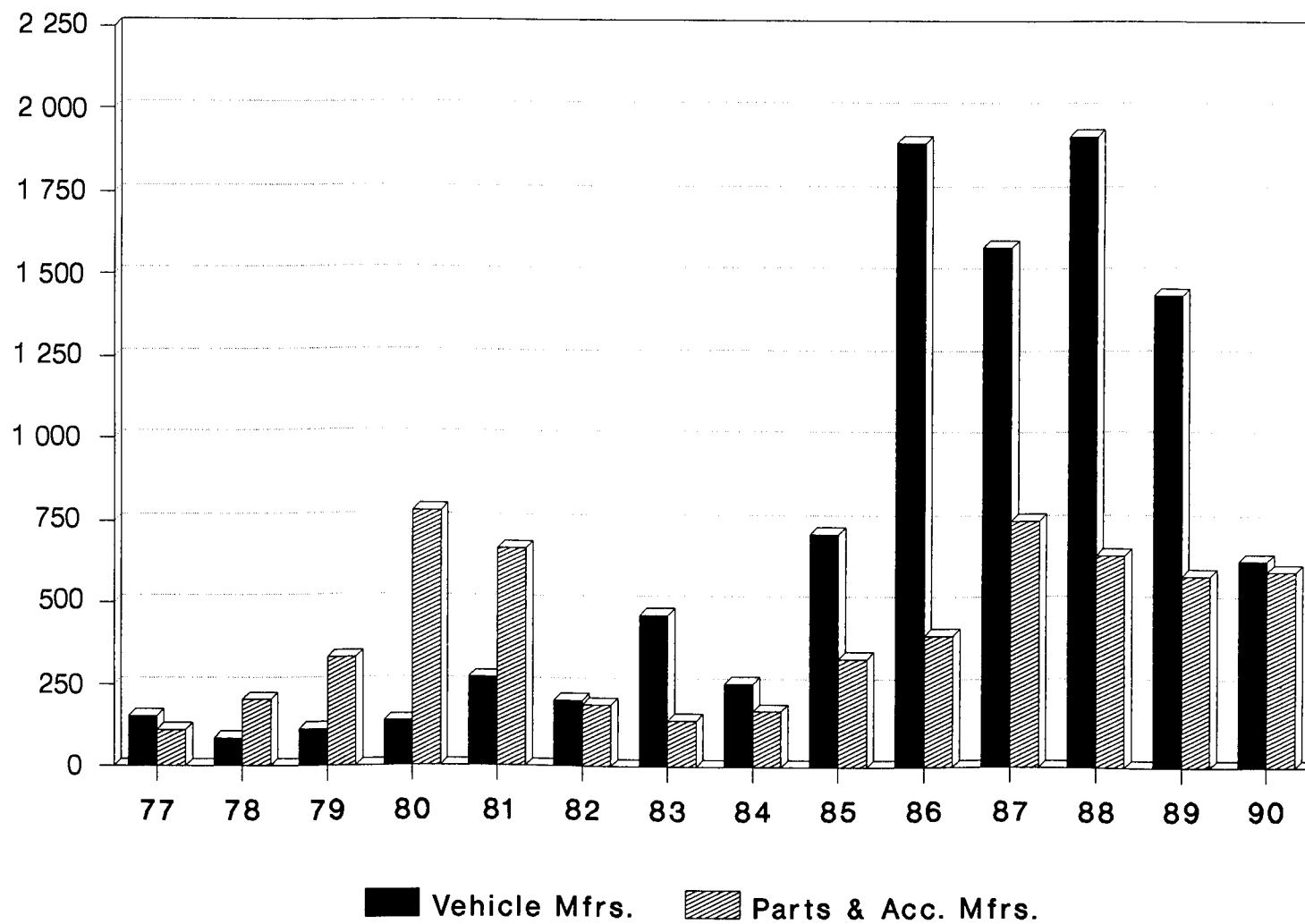
New Capital Expenditures In Canadian Automotive Industries, 1977-1990
 (\$ Millions)

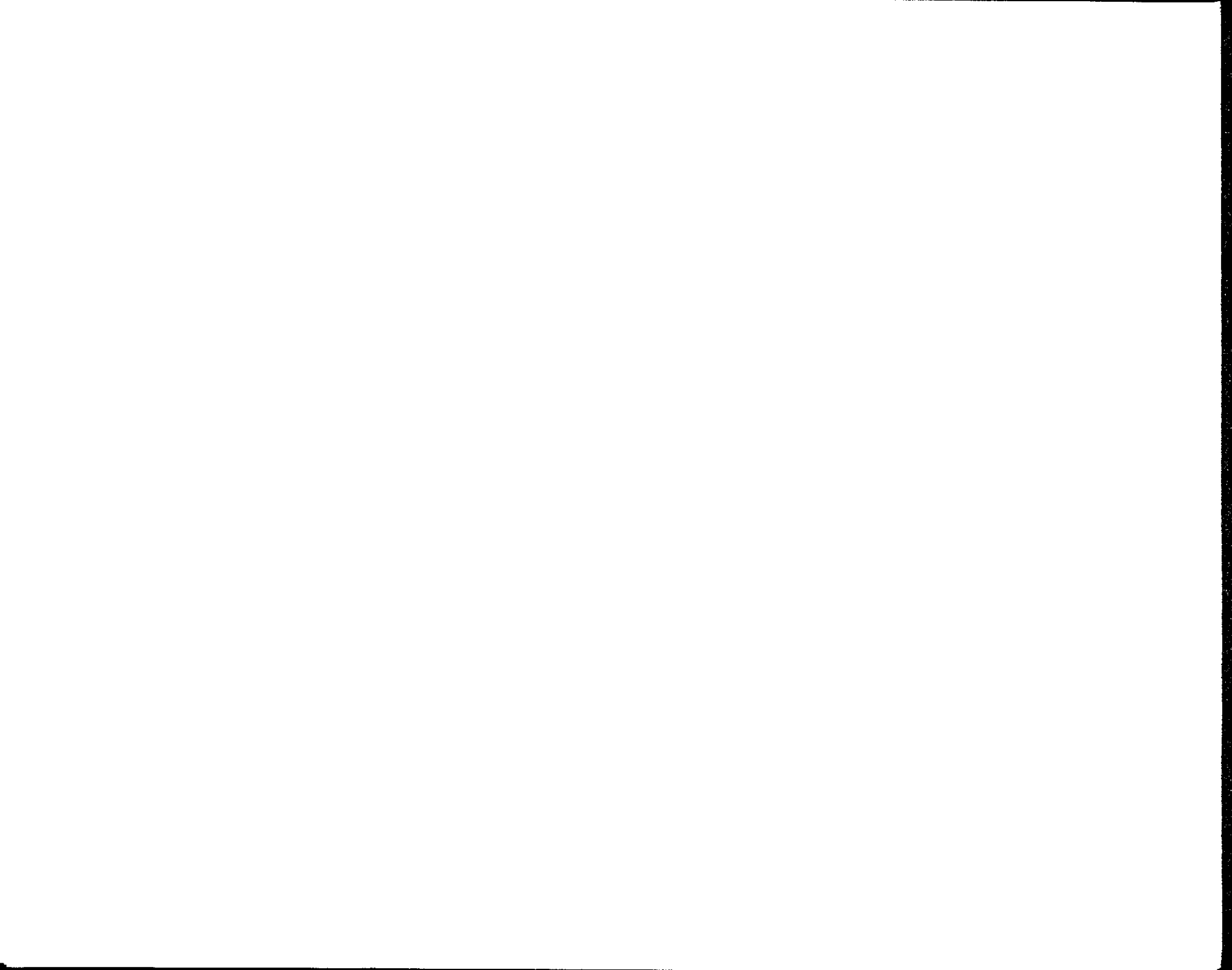
Year	Motor Vehicle Manufacturers (SIC 323)	Truck Body Manufacturers (SIC 324)	Motor Vehicle Parts & Accessories (SIC 325)	Total
1977	153	24	110	287
1978	84	15	204	303
1979	111	42	331	484
1980	136	47	781	964
1981	273	32	667	972
1982	203	34	189	426
1983	463	13	141	617
1984	256	13	171	440
1985	714	9	332	1 055
1986	1 897	19	403	2 319
1987	1 584	27	755	2 366
1988	1 917	21	646	2 584
1989	1 438	26	584	2 048
1990*	632	21	599	1 252

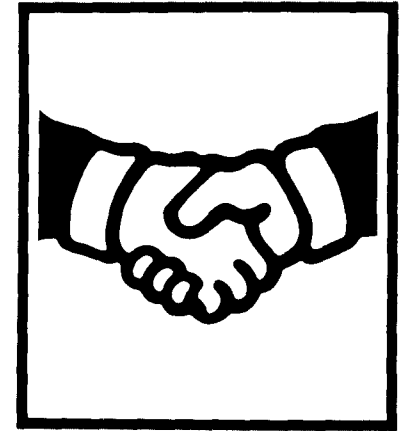
* Preliminary

Source: Statistics Canada Catalogue 61-214.

New Capital Expenditures In Canadian Automotive Industries, 1977-1990
(\$ Millions)







**Trade and Auto
Pact Data**

Table 5.1

Total Canadian Trade in Automotive Products*, 1965-1990
 (\$ Millions)

	1965	1970	1975	1980	1985	1986	1987	1988	1989	1990
Canadian Exports										
Cars	156	1 604	3 021	4 859	15 316	16 466	13 565	16 482	15 105	16 027
Trucks and Other Vehicles*	31	664	1 190	2 445	6 609	5 998	6 965	7 510	8 214	8 116
Parts	183	1 226	2 225	3 825	11 819	11 995	11 961	12 098	12 035	11 137
Tires and Tubes	8	18	73	262	637	717	693	553	694	694
Re-exports	5	9	10	89	134	197	195	238	261	247
Total	383	3 521	6 519	11 480	34 515	35 373	33 379	36 881	36 309	36 221
Canadian Imports										
Cars	207	876	2 548	4 417	11 293	12 062	12 347	12 176	11 774	10 663
Trucks and Other Vehicles*	62	298	987	1 347	2 950	3 344	3 706	3 441	3 126	3 068
Parts	818	2 237	4 631	7 955	18 897	19 396	18 228	21 586	20 469	20 215
Tires and Tubes	12	43	256	354	471	447	571	594	692	701
Total	1 099	3 454	8 422	14 073	33 611	35 249	34 852	37 797	36 061	34 647
Balances										
Cars	(51)	728	473	442	4 023	4 404	1 218	4 306	3 331	5 364
Trucks and Other Vehicles*	(31)	366	203	1 098	3 659	2 654	3 259	4 069	5 088	5 048
Parts	(635)	(1 011)	(2 406)	(4 130)	(7 078)	(7 401)	(6 267)	(9 488)	(8 434)	(9 078)
Tires and Tubes	(4)	(25)	(183)	(92)	166	270	122	(41)	2	(7)
Re-exports	5	9	10	89	134	197	195	238	261	247
Total	(716)	67	(1 903)	(2 593)	904	124	(1 473)	(916)	248	1 574

* Includes buses, specialty vehicles and motor homes

Source: Statistics Canada Catalogues 65-001P and 11-001E (1965-1989). Data for 1990 compiled by ISTC using Statistics Canada definitions.

Table 5.2

Canadian-Overseas Trade in Automotive Products*, 1965-1990
 (\$ Millions)

	1965	1970	1975	1980	1985	1986	1987	1988	1989	1990
Canadian Exports										
Cars	82	66	163	407	39	38	60	156	108	61
Trucks and Other Vehicles*	10	75	258	227	187	194	127	147	151	117
Parts	32	99	180	420	307	418	382	346	369	329
Tires and Tubes	4	3	5	31	45	42	32	33	29	10
Re-exports	5	9	10	89	134	197	195	238	261	247
Total	133	252	616	1 174	712	889	796	920	918	764
Canadian Imports										
Cars	113	217	365	1 029	2727	3 434	3 656	3 571	3 598	3 786
Trucks and Other Vehicles*	2	23	45	130	380	520	424	365	302	341
Parts	21	130	206	355	1 459	1 761	1 831	1 630	2 449	3 051
Tires and Tubes	2	19	82	208	207	220	261	243	248	234
Total	138	389	698	1 722	4 773	5 935	6 172	5 809	6 597	7 412
Balances										
Cars	(31)	(151)	(202)	(622)	(2 688)	(3 396)	(3 596)	(3 415)	(3 490)	(3 725)
Trucks and Other Vehicles*	8	52	213	97	(193)	(326)	(297)	(218)	(151)	(224)
Parts	11	(31)	(26)	65	(1 152)	(1 343)	(1 449)	(1 284)	(2 080)	(2 722)
Tires and Tubes	2	(16)	(77)	(177)	(162)	(178)	(229)	(210)	(219)	(224)
Re-exports	5	9	10	89	134	197	195	238	261	247
Total	(5)	(137)	(82)	(548)	(4 061)	(5 046)	(5 376)	(4 889)	(5 679)	(6 648)

* Includes buses, specialty vehicles and motor homes

Source: Statistics Canada Catalogues 65-001P and 11-001E (1965-1989). Data for 1990 compiled by ISTC using Statistics Canada definitions.

Canada-U.S. Trade in Automotive Products, 1965-1990
 (\$ Millions)

	1965	1970	1975	1980	1985	1986	1987	1988	1989	1990
U.S. Imports From Canada										
Cars	74	1 538	2 858	4 452	15 277	16 428	13 505	16 326	14 997	15 966
Trucks and Other Vehicles*	21	589	932	2 218	6 422	5 804	6 838	7 363	8 063	7 999
Parts	151	1 127	2 045	3 405	11 512	11 577	11 579	11 752	11 666	10 808
Tires and Tubes	4	15	68	231	592	675	661	520	665	684
Total	250	3 269	5 903	10 306	33 803	34 484	32 583	35 961	35 391	35 457
Canadian Imports From the U.S.										
Cars	94	659	2 183	3 388	8 566	8 628	8 691	8 605	8 176	6 877
Trucks and Other Vehicles*	60	275	942	1 217	2 570	2 824	3 282	3 076	2 824	2 727
Parts	797	2 107	4 425	7 600	17 438	17 635	16 397	19 956	18 020	17 164
Tires and Tubes	10	24	174	146	264	227	310	351	444	467
Total	961	3 065	7 724	12 351	28 838	29 314	28 680	31 988	29 464	27 235
Balances										
Cars	(20)	879	675	1 064	6 711	7 800	4 814	7 721	6 821	9 089
Trucks and Other Vehicles*	(39)	314	(10)	1 001	3 852	2 980	3 556	4 287	5 239	5 272
Parts	(646)	(980)	(2 380)	(4 195)	(5 926)	(6 058)	(4 818)	(8 204)	(6 354)	(6 356)
Tires and Tubes	(6)	(9)	(106)	85	328	448	351	169	221	217
Total	(711)	204	(1 821)	(2 045)	4 965	5 170	3 903	3 973	5 927	8 222

* Includes buses, specialty vehicles and motor homes

Sources: Statistics Canada Catalogues 65-001P and 11-001E (1965-1989). Data compiled by ISTC using Statistics Canada definitions for imports from U.S. and U.S. Department of Commerce for U.S. imports from Canada.

Overall Net Production to Net Sales-Value Ratios* Achieved by Auto Pact Companies
in Canada, 1975-1990 (Percent)**

	Model Year										
	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
Passenger Vehicles											
(Required Ratio: range 95-100)											
Net Sales-Value Ratio Achieved											
(All Companies)											
	122	106	202	196	173	174	177	162	153	138	158
Commercial Vehicles											
(Required Ratio: range 75-100)											
Net Sales-Value Ratio Achieved											
(All Companies)											
	101	115	238	272	231	192	191	159	133	188	197
Buses											
(Required Ratio: range 85-100)											
Net Sales-Value Ratio Achieved											
(All Companies)											
	114	199	213	243	312	324	239	163	189	230	342

* Net production to net sales-value ratio is the 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, Science and Technology Canada.

CVA/COS* Achieved by Auto Pact Producers, 1975-1990**
(\$ Millions, Percent)

	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
Cost of Vehicle Sales in Canada of Auto Pact Producers (Model Year)	4 545	8 757	6 327	6 752	10 281	13 022	15 002	15 340	15 440	15 402	13 244
Total CVA Produced (Model Year)	2 987	4 659	5 759	5 847	8 504	10 210	11 282	10 113	11 035	11 438	9 516
Difference between Cost of Sales and CVA Produced	1 558	4 020	568	905	1 777	2 812	3 720	5 227	4 405	3 964	3 728
Total achieved CVA as Percentage of Cost of Sales	66	53	91	87	83	78	75	66	72	74	72

* Canadian Value Added/ Cost of Sales

** Based on 18 major manufacturers

Source: Auto Pact company reports to Industry, Science and Technology Canada.

Table 5.6

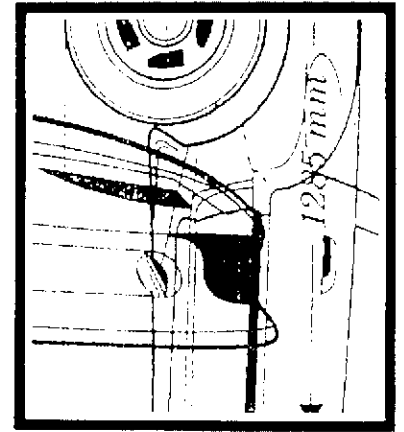
Total Canadian Value Added by Category of Production for the Four Major Vehicle Manufacturers in Canada*, 1965-1990
 (\$ Millions)

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
	A	B	C	D = A+B+C	(B+C)/D
1965	380	576	100	1 056	64.0
1970	483	510	651	1 644	70.6
1975	876	733	1 106	2 715	67.7
1980	1 322	1 087	1 755	4 164	68.3
1981	1 345	1 273	2 218	4 836	72.2
1982	1 457	1 233	2 256	4 946	70.5
1983	1 604	1 446	2 542	4 592	71.3
1984	1 981	1 797	3 917	8 695	77.2
1985	2 182	3 094	5 095	10 371	79.0
1986	2 432	2 501	5 532	10 465	76.8
1987	2 365	1 856	5 124	9 345	74.7
1988	2 877	3 114	5 044	11 035	73.9
1989	3 057	2 562	4 877	10 496	70.9
1990	1 563	3 401	4 551	9 515	83.6

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

Source: 1965-1977 data prepared by the Reisman Commission; 1978-1990 data prepared by Industry, Science and Technology Canada.





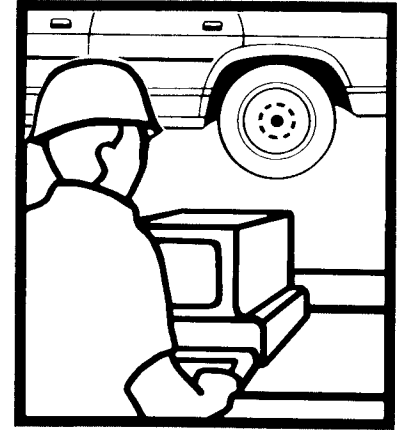
Research and Development

Research and Development in the Motor Vehicle Industries, 1975-1988
(SIC* 323, 324 and 325)

Year	Number of R&D Performers	Total R&D Personnel (Person-years)	Total R&D Expenditures (\$ Millions)	R&D Expenditures As % of Shipments
1975	28	545	12	0.10
1977	25	685	21	0.16
1979	24	735	32	0.19
1981	33	890	49	0.28
1982	32	825	53	0.28
1983	33	960	66	0.27
1984	25	890	70	0.21
1985	40	1 050	79	0.20
1986	56	1 255	90	0.23
1987	60	1 200	104	0.29
1988	58	1 345	103	0.24

* Based on 1980 Standard Industrial Classification

Source: Statistics Canada.



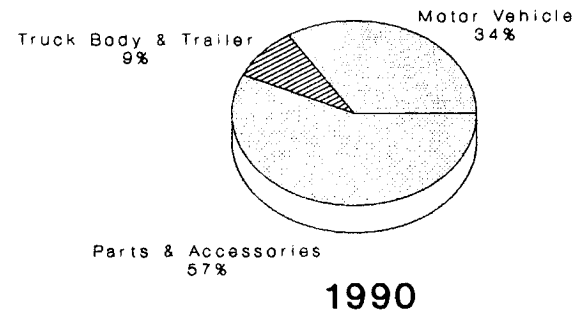
Employment

**Employment Related to Automotive Manufacturing in Canada, 1965-1990
(000)**

Year	Motor Vehicle Assembly (SIC 323)	Truck Bodies & Trailers (SIC 324)	Automotive Parts & Acc. (SIC 325)	Total
1965	42.9	5.4	31.9	80.2
1970	38.1	10.1	38.9	87.1
1975	45.3	17.7	42.6	105.6
1980	44.9	14.8	52.0	111.7
1981	44.3	13.1	55.7	113.1
1982	42.2	9.7	53.6	105.5
1983	47.6	8.6	64.7	120.9
1984	54.3	10.1	77.4	141.8
1985	56.9	11.4	84.4	152.7
1986	53.5	12.9	85.2	151.6
1987	52.0	13.4	88.8	154.2
1988	52.7	15.5	94.6	162.8
1989*	55.5	15.7	96.5	167.7
1990*	52.7	14.1	88.2	155.0

* Figures are ISTC estimates based on the historical trend of the Census of Manufacturers' employment

Source: Statistics Canada Catalogue 42-251B.



Employment Related to Automotive Manufacturing in the U.S., 1972-1990
Annual Average (000)

Year	Total Motor Vehicle Equipment (SIC 371)	Motor Vehicles (SIC 3711)	Truck & Bus Bodies (SIC 3713)	Parts & Accessories (SIC 3714)	Automotive Stampings (SIC 3465)
1972	875	415	46	383	105
1973	977	462	51	430	111
1974	908	416	55	403	96
1975	792	375	46	353	82
1976	881	416	44	399	100
1977	938	440	48	424	110
1978	977	452	51	444	114
1979	995	464	46	444	115
1980	789	368	40	350	95
1981	789	359	37	363	94
1982	705	321	31	325	82
1983	773	363	32	344	89
1984	867	389	40	388	99
1985	873	403	38	389	102
1986	843	381	38	379	101
1987	842	368	44	384	99
1988	850	358	75	397	96
1989	856	355	44	408	103
1990	801	311	41	403	100

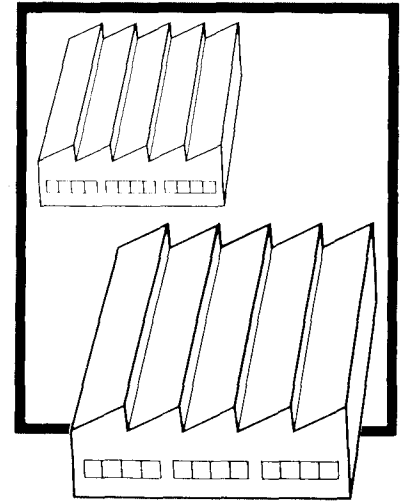
Source: U.S. Bureau of Labor Statistics.

Table 7.3

Canadian Automotive Parts Industry by Number of Employees, 1988

Number of Employees	Number of Establishments	Percent of Total Establishments	Value of Shipments (\$ Millions)	Percent of Total Shipments
Fewer than 100	395	62.7	1 232 863	8.5
100-500	197	31.3	4 816 914	33.1
500 or more	38	6.0	8 489 627	58.4
Total	630	100.0	14 539 404	100.0

Source: Statistics Canada Catalogue 42-251B.



**Major Automotive Plants
in Canada**

Major Motor Vehicle Assembly Plants in Canada

Company/Plant Name	Location	Products
Light Vehicle Manufacturers		
Canadian Automobile Mfg. Inc. (CAMI)	Ingersoll, Ontario	Firefly, Sprint, Swift, Sidekick, Tracker
Chrysler Canada Ltd.	Brampton, Ontario Bramalea, Ontario Windsor, Ontario Windsor, Ontario	Jeep XJ 4x4 Premier, Monaco Caravan, Voyager, Mini Ram van Ram van, Ram wagon
Ford of Canada Ltd.	Oakville, Ontario Oakville, Ontario St. Thomas, Ontario	Tempo, Topaz F series (pick-up trucks) Crown Victoria, Grand Marquis
Honda Canada Inc.	Alliston, Ontario	Hatchback Civic
Hyundai Auto Canada Inc.	Bromont, Quebec	Sonata
General Motors of Canada Ltd.	Oshawa, Ontario Oshawa, Ontario Oshawa, Ontario Scarborough, Ontario Sainte-Thérèse, Quebec	Lumina Regal Chev/GMC light trucks Chev van, Vandura Celebrity, Cutlass Ciera
Toyota Canada Inc.	Cambridge, Ontario	Corolla
Volvo Canada Inc.	Halifax, Nova Scotia	740 series
Truck Manufacturers		
Canadian Kenworth (division of Paccar Canada Ltd.)	Sainte-Thérèse, Quebec	Heavy-duty trucks
Freightliner of Canada Ltd.	Burnaby, British Columbia	Heavy-duty trucks
Mack Canada Inc.	Oakville, Ontario	Heavy-duty trucks

Major Vehicle Assembly Plants in Canada

Company/Plant Name	Location	Products
Truck Manufacturers (cont'd)		
Navistar International Corporation Canada	Chatham, Ontario	Heavy-duty trucks
Pacific Truck and Trailer Ltd.	North Vancouver, British Columbia	Heavy-duty trucks
Western Star Trucks Inc.	Kelowna, British Columbia	Heavy-duty trucks
Bus Manufacturers		
Greyhound Canada Inc.	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
Trailer Manufacturers		
Advance Engineered Products	Regina, Saskatchewan	Bulk tank trailers
Bedarco-McGruer Inc.	Montréal, Quebec	Bulk tank trailers
Fruehauf Canada Inc.	Ingersoll, Ontario	Lowbed and dry van semi-trailers

Major Motor Vehicle Assembly Plants in Canada

Compan/Plant Name	Location	Products
Trailer Manufacturers (cont'd)		
Hutchison Industries	North York, Ontario	Bulk tank trailers
Manac Inc.	Beauce-Sud, Quebec	Lowbed and bulk tank trailers, semi-trailers
Remtec Inc.	Chambly, Quebec	Lowbed and bulk tank trailers
Westank-Willock	Regina, Saskatchewan	Bulk tank trailers
Specialty Vehicle Manufacturers		
Amertek Inc.	Woodstock, Ontario	Crash, fire and rescue vehicles
Frink/Eastern Steel Products	Cambridge, Ontario	Snowblowers, sweeper equipment
Paul Demers et Fils	Belœil, Quebec	Ambulances
Tri-Star Industries Limited	Yarmouth, Nova Scotia	Ambulances
Superior Emergency Equipment	Red Deer, Alberta	Fire trucks
Sweepright Mfg. Inc.	Regina, Saskatchewan	Sweepers
UTDC	Kingston, Ontario	Military vehicles
Vehma International	Newmarket, Ontario	Electric heavy-duty vans

Source: Compiled from information supplied by the companies.

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
In-house Facilities		
Chrysler Canada Ltd.		
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
Trim plant	Guelph, Ontario	Plastic automotive components
Ford Motor Company of Canada Ltd.		
Niagara glass plant	Niagara Falls, Ontario	Automotive glass
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

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
General Motors of Canada Ltd.		
Fabrication plant	Oshawa, Ontario	Stampings, batteries, radiators, instrument clusters, plastics, reaction injection moulding
Engine plant	St. Catharines, Ontario	V6 and V8 engines
Foundry	St. Catharines, Ontario	Metal castings (ferrous and non-ferrous)
Axle plant	St. Catharines, Ontario	Axles, disc brakes, spark plugs, front suspensions, transmission components
Trim plant	Windsor, Ontario	Trim sets, door covers
Transmission plant	Windsor, Ontario	Front-wheel-drive automatic transmissions
Tire and Tube Manufacturers		
Bridgestone/Firestone Canada Inc.	Joliette, Quebec	Passenger tires
General Tire Canada Ltd.	Barrie, Ontario	Passenger, truck, bus and off-highway tires
Goodyear Canada Inc.	Medicine Hat, Alberta Napanee, Ontario Valleyfield, Quebec	Passenger, truck, bus and off-highway tires
Michelin Tires (Canada) Ltd.	Bridgewater, Nova Scotia Granton, Nova Scotia Waterville, Quebec	Passenger, truck, bus and off-highway tires
Trent Rubber Services Ltd.	Lindsay, Ontario	Tubes
Uniroyal-Goodrich Canada Inc.	North-Kitchener, Ontario South-Kitchener, Ontario	Passenger, truck, bus and off-highway tires
United Tire and Rubber Company Ltd.	Rexdale, Ontario	Truck, bus, and off-highway tires

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
Foreign-owned Independent Manufacturers (larger facilities)		
AP Parts of Canada	Rexdale, Ontario	Mufflers, tail and exhaust pipes
Allied Signal Corp.	Chatham, Ontario London, Ontario Collingwood, Ontario Stratford, Ontario	Induction systems, engine cooling fans, electric drive cooling modules, cooling air blowers, EGR valves, electronic vacuum regulators, sensors and actuators, secondary air valves, etc.
Budd Canada Inc.	Kitchener, Ontario Winnipeg, Manitoba	Frames, engine heaters
Certified Brakes	Rexdale, Ontario	Brake disc pads, brake linings, hydraulic parts
Echlin Canada (Div. of Midland Brake)	Rexdale, Ontario	Brake system parts
F&P Manufacturing	Tottenham, Ontario	Structural frame stampings
Gates Canada	Brantford, Ontario	Rubber hose and tubing
Hayes-Dana Inc.	Barrie, Ontario Burlington, Ontario Cambridge, Ontario Georgetown, Ontario Magog, Quebec Pickering, Ontario St. Catharines, Ontario Thorold, Ontario	Drive shafts, frames, axles
Johnson Controls	Lachine, Quebec St. Thomas, Ontario Winnipeg, Manitoba	Batteries
Kelsey Hayes (Varity Corp.)	St. Catharines, Ontario Woodstock, Ontario	Brake parts
Kralinator Filters (Division of Hayes-Dana)	Cambridge, Ontario	Oil, fuel and air filters

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
Foreign-owned Independent Manufacturers (larger facilities) (continued)		
Lear Siegler Industries Limited	Ajax, Ontario Whitby, Ontario Lindsay, Ontario Kitchener, Ontario	Automotive seating
Moog Canada Ltd.	Brampton, Ontario	Steering parts, suspension parts, stampings
PPG Canada Inc.	Toronto, Ontario Mississauga, Ontario Whitby, Ontario	Glass for automobiles, adhesives, coatings, paint, phosphating compounds
Rockwell International of Canada Ltd.	Lacolle, Quebec Tilbury, Ontario Mississauga, Ontario Bracebridge, Ontario Milton, Ontario Chatham, Ontario	Coil springs, brakes, mechanical stampings, plastic components
TRW Canada, Thompson Products Division	St. Catharines, Ontario	Steering components, valves, electro-mechanical devices
Walker Exhausts	Cambridge, Ontario	Mufflers, tail and exhaust pipes
Waterville T.G. Inc.	Waterville, Quebec	Rubber products, padded auto instrument panels

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
Canadian-owned Companies		
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	Stampings
Alcan Automotive Castings	St. Catharines, Ontario Montreal, Quebec Welland, Ontario Vancouver, British Columbia	Aluminum cylinder heads, aluminum intake manifolds
Butler Metal Products Co. Ltd.	Cambridge, Ontario	Stampings
Canadian General Tower Ltd.	Cambridge, Ontario	Vinyl seat covers
Cantire Products	Mississauga, Ontario	Fuel and water pumps, carburetors, brake parts
Complax 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	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

A Partial List of Major Automotive Parts Plants in Canada

Company/Plant Name	Location	Main Products
Canadian-owned Companies		
Huron Steel Products	Windsor, Ontario	Stampings
Kendan Manufacturing Ltd.	Windsor, Ontario	Diesel engine components
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
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
Woodbridge Foam Corporation	Toronto, Ontario	Sets, other foam rubber components

Asian Assembly Investment in Canada and the U.S.

Company	Location	Announced Capacity (000)	Date Open	Products
	Canada			
Toyota	Cambridge, Ontario	60	1988	Cars
Honda	Alliston, Ontario	100	1986	Cars
Hyundai	Bromont, Quebec	100	1989	Cars
CAMI	Ingersoll, Ontario	200	1989	Cars/Trucks (sport utility)
	U.S.			
Toyota	Georgetown, Kentucky	200	1993	Cars
	Georgetown, Kentucky	200	1988	Cars
	Fremont, California	100	1992	Trucks (light)
NUMMI	Fremont, California	250	1984	Cars
Nissan	Smyrna, Tennessee	240	1983	Cars/Trucks (light)
	Smyrna, Tennessee	200	1992	Cars
	Avon Lake, Ohio (Ford)	100	1992	Trucks (light)
Honda	Marysville, Ohio	360	1982	Cars
	Liberty, Ohio	150	1991	Cars
Diamond Star	Bloomington-Normal, Illinois	240	1988	Cars
Mazda	Flatrock, Michigan	240	1987	Cars
Fuji/Isuzu	Lafayette, Indiana	220	1989	Cars/Trucks (light)

Selected Publications Available on the Automotive Industry

Available from Industry, Science and Technology Canada

Automotive Research and Development Capability in Canada -

January 1991

Directory of Canadian Automotive Parts Manufacturers and Rebuilders

Directory of Canadian Truck Manufacturers and Truck Parts Suppliers

Product and Process Development in the Canadian Automotive

Sector - Winter 1990

Restructuring in the North American Industry - Summer 1989

Review of the Truck-Trailer Industry of Canada - Spring 1990

Statistical Analysis of the Directory Automotive Research and Development

Capability in Canada - January 1991

Tools for Competitiveness - Federal Programs and Services

of Interest to the Auto Parts Industry - Spring 1990

Others

A Comparison of Tax Incentives for Performing Research and Development in

Canada and the United States - Deloitte & Touche - Spring 1990

International Competitiveness of Canadian R&D Tax Incentives: An Update -

The Conference Board of Canada - Spring 1990

Available from Statistics Canada

Employment, earnings and hours (monthly) - Catalogue 72-002

Fuel consumption survey, passenger cars, light trucks and vans (quarterly) -

Catalogue 53-007

Fuel consumption survey (annual) - Catalogue 53-226

Capital and repair expenditures manufacturing sub-industries -

Catalogue 61-214

Monthly survey of manufacturing - Catalogue 31-001

New motor vehicle sales (monthly) - Catalogue 63-007

Preliminary statement of international trade (monthly) -

Catalogue 65-001P

Road motor vehicles, registrations (annual) - Catalogue 53-219

Transportation Equipment Industries - Catalogues 42-251B, 3231;

3241, 42, 43, 44; 3251-3257; 3299

The Daily - Catalogue 11-001E

Transportation equipment industries (annual) - Catalogue 42-251

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