

HD9710
.C22
A256

1987

IC



Industry, Science and
Technology Canada

Industrie, Sciences et
Technologie Canada

Canada

Statistical Review of the Canadian Automotive Industry: 1987



FOREWORD

The Department has published annual reports on the Canadian automotive industry since 1981. This year, in order to expedite publication, the analytical section has been replaced by an overview of major developments affecting the sector. The statistical section, which is of most interest to readers, has not been changed. The report is now called a Statistical Review and will follow the same format in the future.

The STATISTICAL REVIEW OF THE CANADIAN AUTOMOTIVE INDUSTRY: 1987 will become available on a limited basis. For more information, contact:

Business Centre
Communications Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0B5

(613) 995-5771

For further information on the data contained in this review, contact:

Automotive Directorate
Surface Transportation &
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0B5

(613) 954-3384

DEPARTMENT OF REGIONAL
INDUSTRIAL EXPANSION
LIBRARY

DEC - 7 1989

Al Ho
BIBLIOTHEQUE
MINISTERE DE L'EXPANSION
INDUSTRIELLE REGIONALE

FOREWORD

The Department has published annual reports on the Canadian automotive industry since 1983. This year, in order to expedite publication, the analytical section has been replaced by an overview of major developments affecting the sector. The statistical section, which is of most interest to readers, has not been changed. The report is now called a Statistical Review and will follow the same format in the future.

Profiles on subsectors in the automotive industry will become available over the coming months. To obtain copies, contact:

Business Centre
Communications Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5

(613) 995-5771

For further information concerning the subject matter contained in this review, contact:

Automotive Directorate
Surface Transportation & Machinery Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5

(613) 954-3394

Canadian Automotive Developments in 1987

The Canadian automotive industry continued to invest for the future in 1987. Investment in all segments of the industry reached a record level of \$2.4 billion. Parts manufacturers almost doubled the amount invested in the previous year. (Table 4.1)

Vehicle manufacturers continued to restructure and modernize their facilities. General Motors continued work on the Oshawa Autoplex, completed conversion of one car plant, and commenced production of the new GM10 model. The Autoplex contains an integrated body stamping plant, the first in Canada. The company also began to modernize and convert the Ste. Thérèse facility to "A" body production.

Chrysler completed the purchase of American Motors and began production of the Premier at the new assembly plant in Bramalea. Ford discontinued production of the Escort/Lynx at Oakville and converted to the sole production of the Tempo/Topaz models. It also carried out a major upgrading of the Essex engine plant and started installation of a urethane base coat/clear coat painting system - a first in North America - in its St. Thomas plant which produces the full size rear wheel drive Ford cars.

The Canadian automotive market remained strong in 1987 with over 1.5 million vehicles being sold for the third consecutive year. Passenger car sales showed a marginal drop, but this was more than offset by a large increase in truck sales. Imports increased their share of the passenger car market by four percent to 34 percent. However, North American producers continued to dominate the truck market and increased their market share here by 1.2 percent.

Japanese manufacturers continued to invest in North America. Construction of the CAMI and Toyota assembly plants progressed on schedule and Honda continued to increase production gradually at their newly established Alliston facility. Japanese parts manufacturers announced a number of investments in Canada, most in a joint venture relationship with a Canadian company.

On January 2, 1988 the Canada-U.S. free trade negotiations culminated in the signing of the Canada-U.S. Free Trade Agreement (FTA). The FTA will govern trade in motor vehicles, original equipment parts, aftermarket (replacement) parts and tires. Tariffs on vehicles, original equipment parts and tires will be phased out in 10 years provided products meet the new automotive rules of origin. The tariffs on aftermarket parts will be eliminated by 1993.

The Auto Pact will remain in effect for existing Canadian participants as listed in the Agreement. The Agreement limits the benefits of duty-free entry from third countries to companies which currently qualify or will qualify for Auto Pact status during the 1989 model year.

Stricter new rules of origin for duty-free trade in vehicles under the Agreement (50 percent Canadian or U.S. content in terms of direct production costs) will create a significant incentive for increased sourcing of North American parts.

Canadian safeguards have been maintained under the Agreement. Canadian Auto Pact companies may continue to import vehicles and parts duty-free from the United States and offshore in return for meeting Auto Pact production safeguards. Canadian parts producers will enjoy duty-free access to the U.S. market. As recognized in the Agreement, Canada will continue, until 1996, those duty remission arrangements negotiated with certain manufacturers related to production value-added commitments. Exports to the United States will no longer be eligible under the export-based duty remission programs as of January 1, 1989, and to third countries as of January 1, 1998. Under the Agreement, Canada has agreed to terminate the prohibition on the entry of used and second-hand vehicles within five years.

A select panel of informed persons from both countries will be established to assess the state of the North American industry and to propose public policy measures and private initiatives to improve its competitiveness in domestic and foreign markets.

During the year the Minister of Regional Industrial Expansion undertook a series of consultations with all segments of the automotive industry. The meetings provided a valuable forum for extensive discussions of issues affecting the sector and the views expressed were and will continue to be fully considered in the development of policies affecting the automotive sector.

TABLE OF CONTENTS

Table

1. Sales

- 1.1 Retail Sales of Motor Vehicles in Canada
1970-1987
- 1.2 Retail Sales of Motor Vehicles in the United
States, 1970-1987
- 1.3 Canadian Sales of North American Cars by Size,
1970-1987
- 1.4 United States Sales of North American Cars by
Size, 1970-1987
- 1.5 Canadian Sales of New Passenger Cars by Origin
1964-1987
- 1.6 U.S. Sales of New Passenger Cars by Origin,
1964-1987
- 1.7 Road Motor Vehicle Registrations in Canada,
1980-1986
- 1.8 Top Ten Vehicle Manufacturers in the World by
Total Output 1986
- 1.9 International Sourcing Pattern of Original
Equipment Parts of the Five Major Motor Vehicle
Manufacturers (Purchases from In-House Suppliers)
- 1.10 International Sourcing Pattern of Original
Equipment Parts of the Five Major Motor Vehicle
Manufacturers (Purchases from Independent Suppliers)

2. Shipments

- 2.1 Value of Shipments in Canadian Automotive
Industries 1976-1987

3. Production

- 3.1 North American Production of Motor Vehicles
1965-1987
- 3.2 North American Production of Passenger Cars
1975-1987
- 3.3 Canadian Truck Production 1975-1987
- 3.4 U.S. Truck Production 1975-1987

4. Investment

- 4.1 New Capital Expenditures in Canadian Automotive
Industries 1977-1987

5. Trade and Auto Pact Data

- 5.1 Canadian-Overseas Trade in Automotive Products
1974-1987
- 5.2 Canada-U.S. Trade in Automotive Products
1974-1987
- 5.3 Overall Net Production to Net Sales Value
Ratios Achieved by Auto Pact Companies
in Canada 1974-1987
- 5.4 Percent CVA/COS Achieved by Auto Pact Producers
(Vehicles) 1976-1987
- 5.5 Total Canadian Value Added by Category of
Production for the Four Major Vehicle
Manufacturers in Canada 1964-1987

6. Employment

- 6.1 Employment Related to Automotive Manufacturing
in Canada 1964-1987
- 6.2 Employment Related to Automotive Manufacturing
in the U.S. 1972-1987
- 6.3 Canadian Automotive Parts Industry by Number
of Employees 1985

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

1. SALES

TABLE 1.1

RETAIL SALES OF MOTOR VEHICLES IN CANADA, 1970-1987
(000 UNITS)

YEAR	AUTOMOBILES			TRUCKS			TOTAL VEHICLES
	NORTH AMERICAN	OVERSEAS IMPORT	TOTAL	NORTH AMERICAN	OVERSEAS IMPORT	TOTAL	
1970	497	143	640	125	9	134	774
1971	592	188	780	147	13	160	940
1972	654	205	859	190	17	207	1,066
1973	783	188	971	235	20	255	1,226
1974	797	146	943	288	19	307	1,250
1975	836	154	990	310	17	327	1,317
1976	793	153	946	331	14	345	1,291
1977	798	194	992	338	16	354	1,346
1978	816	173	989	364	13	377	1,366
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

SOURCE: STATISTICS CANADA

TABLE 1.2

RETAIL SALES OF MOTOR VEHICLES IN THE UNITED STATES, 1970-1987
(000 UNITS)

YEAR	AUTOMOBILES			TRUCKS			TOTAL VEHICLES
	NORTH AMERICAN	OVERSEAS IMPORT	TOTAL	NORTH AMERICAN	OVERSEAS IMPORT	TOTAL	
1970	7,120	1,285	8,405	1,746	65	1,811	10,216
1971	8,681	1,570	10,251	2,011	85	2,096	12,347
1972	9,327	1,623	10,950	2,486	143	2,629	13,579
1973	9,676	1,763	11,439	2,916	228	3,144	14,583
1974	7,454	1,413	8,867	2,512	171	2,683	11,550
1975	7,053	1,587	8,640	2,249	231	2,480	11,120
1976	8,611	1,498	10,109	2,944	237	3,181	13,290
1977	9,109	2,075	11,184	3,353	323	3,676	14,860
1978	9,312	2,000	11,312	3,776	337	4,113	15,425
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

SOURCE: MOTOR VEHICLE MANUFACTURERS' ASSOCIATION (MVMA) AND WARD'S REPORTS

TABLE 1.3

CANADIAN SALES OF NORTH AMERICAN CARS BY SIZE, 1970-1987
(UNITS)

YEAR	SUB- COMPACT	PERCENT TOTAL	COMPACT	PERCENT TOTAL	INTER- MEDIATE	PERCENT TOTAL	FULL- SIZE	PERCENT TOTAL	LUXURY	PERCENT TOTAL	TOTAL SALES
1970	8,882	1.80	101,192	20.46	156,136	31.57	214,785	43.43	13,556	2.74	494,551
1971	38,616	6.85	108,280	19.22	158,687	28.16	234,656	41.64	23,259	4.13	563,498
1972	45,645	7.41	132,550	21.51	185,856	30.16	206,830	33.57	45,308	7.35	616,189
1973	81,739	10.89	164,783	21.96	233,914	31.18	213,909	28.51	55,927	7.45	750,272
1974	89,969	11.61	183,062	23.63	239,003	30.85	209,102	26.99	53,600	6.92	774,736
1975	74,552	10.29	185,894	25.66	229,364	31.66	222,581	30.73	11,963	1.65	724,354
1976	70,483	8.89	245,047	30.91	249,235	31.44	215,451	27.18	12,502	1.58	792,718
1977	56,060	7.03	245,805	30.81	266,784	33.44	214,287	26.86	14,775	1.85	797,711
1978	96,154	11.80	248,046	30.43	263,448	32.32	191,113	23.44	16,435	2.02	815,196
1979	152,432	17.67	236,832	27.46	243,132	28.19	203,388	23.58	26,738	3.10	862,522
1980	140,214	18.92	228,745	30.86	205,813	27.77	148,145	19.99	18,350	2.48	741,267
1981	136,696	21.45	198,078	31.08	184,443	28.94	105,406	16.54	12,604	1.98	637,227
1982	156,874	32.36	124,944	25.78	145,237	29.96	50,705	10.46	6,959	1.44	484,719
1983	205,942	33.56	135,226	22.04	197,672	32.21	66,016	10.76	8,817	1.44	613,673
1984	235,429	33.01	178,527	25.03	206,740	28.99	79,030	11.08	13,531	1.90	713,257
1985	237,047	30.32	202,286	25.87	245,966	31.46	79,961	10.23	16,567	2.12	781,827
1986	232,949	30.90	187,465	24.87	234,511	31.11	81,752	10.84	17,227	2.29	753,904
1987	98,150	13.84	300,723	42.41	217,732	30.71	66,717	9.41	25,749	3.63	709,071

SOURCE: MVMA BY WARD'S CLASSIFICATION

TABLE 1.4

UNITED STATES SALES OF NORTH AMERICAN CARS BY SIZE, 1970-1987
(UNITS)

YEAR	SUB- COMPACT	PERCENT TOTAL	COMPACT	PERCENT TOTAL	INTER- MEDIATE	PERCENT TOTAL	FULL- SIZE	PERCENT TOTAL	LUXURY	PERCENT TOTAL	TOTAL SALES
1970	138,259	1.93	1,157,250	16.18	2,434,906	34.04	3,033,092	42.40	389,280	5.44	7,152,787
1971	721,814	8.74	1,174,090	14.21	2,330,502	28.20	3,500,140	42.36	536,890	6.50	8,263,436
1972	809,014	9.75	1,267,350	15.27	2,360,920	28.45	3,332,215	40.15	529,277	6.38	8,298,776
1973	1,072,440	11.09	1,687,379	17.45	2,909,511	30.09	3,258,475	33.70	741,884	7.67	9,669,689
1974	791,901	10.63	1,557,854	20.91	2,539,193	34.09	2,016,375	27.07	543,598	7.30	7,448,921
1975	1,167,393	17.27	1,678,500	24.83	1,974,772	29.21	1,587,852	23.49	352,395	5.21	6,760,912
1976	1,041,050	12.10	2,436,219	28.31	2,845,207 ^s	33.06	1,898,857	22.06	385,240	4.48	8,606,573
1977	994,936	10.93	2,364,838	25.97	3,009,209	33.05	2,276,561	25.00	458,910	5.04	9,104,454
1978	1,209,320	13.20	2,224,380	24.28	3,007,774	32.84	2,137,160	23.33	581,547	6.35	9,160,181
1979	1,762,050	21.42	1,936,150	23.54	2,334,500	28.38	1,708,790	20.77	483,936	5.88	8,225,426
1980	1,670,721	25.40	1,674,755	25.46	1,835,799	27.91	1,075,267	16.35	321,710	4.89	6,578,252
1981	1,661,401	26.77	1,523,044	24.54	1,741,694	28.07	951,534	15.33	328,183	5.29	6,205,856
1982	1,738,589	30.20	1,104,083	19.18	1,618,078	28.11	928,467	16.13	367,441	6.38	5,756,658
1983	2,034,807	29.94	924,639	13.61	2,247,042	33.07	1,157,519	17.03	431,292	6.35	6,795,299
1984	2,306,206	29.00	1,309,390	16.47	2,457,048	30.90	1,232,368	15.50	646,511	8.13	7,951,523
1985	1,296,863	15.81	2,562,588	31.23	2,463,556	30.03	1,077,308	13.13	804,389	9.80	8,204,704
1986	1,325,325	16.13	2,461,192	29.96	2,540,491	30.93	1,115,789	13.58	772,091	9.40	8,214,888
1987	1,100,810	15.55	2,388,816	33.74	2,026,107	28.61	924,793	13.06	640,332	9.04	7,080,858

SOURCE: 1970 THROUGH 1975 ARE REGISTRATIONS (FIGURES ARE LOW BECAUSE OF INCOMPLETE REPORTS FROM SOME STATES). 1976 AND SUBSEQUENT YEARS ARE RETAIL SALES WARD'S AUTOMOTIVE REPORTS

TABLE 1.5

CANADIAN SALES OF NEW PASSENGER CARS BY ORIGIN, 1964-1987
(UNITS)

YEAR	TOTAL SALES	*DOMESTIC		TOTAL IMPORTED		JAPANESE	
	VOLUME	VOLUME	PERCENT	VOLUME	PERCENT	VOLUME	PERCENT
1964	616,759	550,823	89.3	65,936	10.7	NA	0.0
1965	708,716	633,641	89.4	75,075	10.6	2,834	0.4
1966	694,820	626,986	90.2	67,834	9.8	2,742	0.4
1967	679,435	605,049	89.1	74,386	10.9	5,617	0.8
1968	741,915	637,393	85.9	104,522	14.1	15,859	2.1
1969	760,803	638,270	83.9	122,533	16.1	39,033	5.1
1970	640,360	497,185	77.6	143,175	22.4	65,569	10.2
1971	780,762	592,319	75.9	188,443	24.1	106,552	13.6
1972	858,959	653,933	76.1	205,026	23.9	116,860	13.6
1973	970,828	782,914	80.6	187,914	19.4	111,467	11.5
1974	942,797	796,840	84.5	145,957	15.5	87,609	9.3
1975	989,280	835,679	84.5	153,601	15.5	95,772	9.7
1976	946,488	793,201	83.8	153,287	16.2	101,558	10.7
1977	991,398	797,752	80.5	193,646	19.5	134,900	13.6
1978	988,890	815,994	82.5	172,896	17.5	113,166	11.4
1979	1,003,008	863,554	86.1	139,454	13.9	79,879	8.0
1980	932,060	740,767	79.5	191,293	20.5	138,107	14.8
1981	904,195	646,942	71.5	257,253	28.5	207,639	23.0
1982	713,481	489,435	68.6	224,046	31.4	178,174	25.0
1983	843,318	625,088	74.1	218,230	25.9	176,525	20.9
1984	971,210	724,932	74.6	246,278	25.4	171,204	17.6
1985	1,137,216	794,965	69.9	342,251	30.1	199,221	17.5
1986	1,091,117	761,867	69.8	329,250	30.2	198,410	18.2
1987	1,064,865	701,048	65.8	363,817	34.2	243,288	22.8

* NORTH AMERICAN BUILT

SOURCE: STATISTICS CANADA

TABLE 1.6

U.S. SALES OF NEW PASSENGER CARS BY ORIGIN, 1964-1987
(UNITS)

YEAR	TOTAL SALES	DOMESTIC		TOTAL IMPORTED		JAPANESE	
	VOLUME	VOLUME	PERCENT	VOLUME*	PERCENT	VOLUME*	PERCENT
1964	8,100,865	7,616,734	94.0	484,131	6.0	NA	0.0
1965	9,232,504	8,763,219	94.9	469,285	5.1	18,067	0.2
1966	8,978,657	8,377,425	93.3	601,232	6.7	40,183	0.4
1967	8,286,472	7,567,884	91.3	718,588	8.7	69,188	0.8
1968	9,610,257	8,624,820	89.7	985,437	10.3	109,586	1.1
1969	9,545,295	8,464,375	88.7	1,080,920	11.3	189,160	2.0
1970	8,364,950	7,115,537	85.1	1,249,413	14.9	312,777	3.7
1971	10,209,375	8,676,284	85.0	1,533,091	15.0	578,977	5.7
1972	10,907,503	9,321,502	85.5	1,586,001	14.5	628,918	5.8
1973	11,402,261	9,669,689	84.8	1,732,572	15.2	742,621	6.5
1974	8,838,244	7,448,921	84.3	1,389,323	15.7	592,113	6.7
1975	8,614,524	7,050,120	81.8	1,564,404	18.2	807,931	9.4
1976	10,097,692	8,606,573	85.2	1,491,119	14.8	931,182	9.2
1977	11,168,708	9,104,454	81.5	2,064,254	18.5	1,399,338	12.5
1978	11,300,477	9,307,563	82.4	1,992,914	17.6	1,414,260	12.5
1979	10,647,442	8,328,055	78.2	2,319,387	21.8	1,833,927	17.2
1980	8,978,584	6,578,252	73.3	2,400,332	26.7	1,908,413	21.3
1981	8,533,135	6,205,856	72.7	2,327,279	27.3	1,858,896	21.8
1982	7,978,872	5,756,658	72.1	2,222,214	27.9	1,801,481	22.6
1983	9,182,071	6,795,299	74.0	2,386,772	26.0	1,915,621	20.9
1984	10,390,815	7,951,523	76.5	2,439,292	23.5	1,906,204	18.3
1985	11,038,423	8,204,704	74.3	2,833,719	25.7	2,217,860	20.1
1986	11,452,566	8,214,888	71.7	3,237,678	28.3	2,375,818	20.7
1987	10,277,949	6,885,532	67.0	3,392,417	33.0	2,330,180	22.7

* IMPORTED INCLUDES CAPTIVE IMPORTS FOR 1980 AND SUBSEQUENT YEARS

SOURCE: WARD'S

TABLE 1.7

ROAD MOTOR VEHICLE REGISTRATIONS IN CANADA, 1980-1986
(UNITS)

	PASSENGER AUTOMOBILES	TRUCKS AND TRUCK TRACTORS	BUSES	MOTORCYCLES	MOPEDS	OTHER	TOTAL
1980	10,255,510	2,902,730	52,569	388,680	NA	117,662	13,717,151
1981	10,199,390	3,137,987	54,210	406,871	NA	53,026	13,851,484
1982	10,530,360	3,239,341	54,065	431,453	NA	55,503	14,310,722
1983	10,731,520	3,307,746	55,226	466,411	NA	58,706	14,619,609
1984	10,780,670	3,046,889	52,169	470,445	NA	56,302	14,406,475
1985	11,118,070	3,095,243	53,285	452,526	35,397	64,103	14,818,624
1986	11,477,310	3,155,656	56,476	430,135	35,258	72,472	15,227,307

SOURCE: STATISTICS CANADA

TABLE 1.8

TOP TEN VEHICLE MANUFACTURERS IN THE WORLD BY TOTAL OUTPUT
1986

COMPANY	TOTAL OUTPUT (UNITS)
1. GENERAL MOTORS - U.S.A.	8,391,068
2. FORD MOTOR - U.S.A.	5,758,721
3. TOYOTA - JAPAN	3,737,309
4. VOLKSWAGEN - WEST GERMANY	2,767,621
5. NISSAN - JAPAN	2,594,766
6. PEUGEOT - CITROEN - FRANCE	1,965,310
7. RENAULT - FRANCE	1,935,579
8. CHRYSLER - U.S.A.	1,900,971
9. FIAT - ITALY	1,775,452
10. VAZ - U.S.S.R.	1,675,000

SOURCE: MOTOR VEHICLE MANUFACTURERS' ASSOCIATION (MVMA) OF THE UNITED STATES,
WORLD MOTOR VEHICLE DATA, 1988

TABLE 1.9

INTERNATIONAL SOURCING PATTERN OF ORIGINAL EQUIPMENT PARTS OF THE
FIVE MAJOR MOTOR VEHICLE MANUFACTURERS *
(PURCHASES FROM IN-HOUSE SUPPLIERS)
(\$ MILLIONS)

MODEL YEAR	U.S PURCHASES FROM IN-HOUSE SUPPLIERS IN CANADA	CANADIAN PURCHASES FROM IN-HOUSE SUPPLIERS IN U.S.A.	COLUMN (A) LESS COLUMN (B)
	(A)	(B)	
1965	17.4	522.2	(504.8)
1966	163.7	599.5	(435.8)
1967	209.0	716.1	(507.1)
1968	356.3	1,008.5	(652.2)
1969	406.8	1,298.7	(891.9)
1970	453.6	1,153.3	(699.7)
1971	639.0	1,428.1	(789.1)
1972	763.2	1,556.4	(793.2)
1973	801.7	1,804.0	(1,002.3)
1974	713.0	2,083.2	(1,370.2)
1975	796.7	2,209.1	(1,412.4)
1976	1,165.6	2,772.2	(1,606.6)
1977	1,520.6	3,365.8	(1,845.2)
1978	2,222.0	N.A.	N.A.
1979	2,361.7	4,702.8	(2,341.1)
1980	1,604.1	3,991.7	(2,387.6)
1981	2,118.7	4,957.2	(2,838.5)
1982	2,891.7	5,374.2	(2,482.5)
1983	2,360.0	5,918.0	(3,558.0)
1984	3,959.6	7,813.4	(3,853.8)
1985	4,620.7	8,489.6	(3,868.9)
1986	4,869.0	9,710.4	(4,841.4)
1987	4,579.2	7,250.6	(2,671.4)

* GENERAL MOTORS, FORD, CHRYSLER, AMC, NAVISTAR

SOURCE: COMPILED FROM COMPANY RESPONSES TO THE REISMAN INQUIRY (1965-1977)
AND COMPANY AUTO PACT REPORTS (1979-1987). 1978 DATA NOT AVAILABLE FROM
FROM AUTO PACT REPORTS.

TABLE 1.10

INTERNATIONAL SOURCING PATTERN OF ORIGINAL EQUIPMENT PARTS OF THE
FIVE MAJOR MOTOR VEHICLE MANUFACTURERS *
(PURCHASES FROM INDEPENDENT SUPPLIERS)
(\$ MILLIONS)

MODEL YEAR	U.S. PURCHASES FROM INDEPENDENT SUPPLIERS IN CANADA	CANADIAN PURCHASES FROM INDEPENDENT SUPPLIERS IN U.S.A.	COLUMN (A) LESS COLUMN (B)
	(A)	(B)	
1965	74.3	236.4	(162.1)
1966	112.3	279.8	(167.5)
1967	172.1	304.6	(132.5)
1968	327.4	405.2	(77.8)
1969	430.9	485.5	(54.6)
1970	487.3	505.4	(18.1)
1971	574.5	484.4	90.1
1972	699.3	558.9	140.4
1973	888.4	748.8	139.6
1974	771.4	846.9	(75.5)
1975	875.8	1,051.1	(175.3)
1976	1,221.6	1,283.5	(61.9)
1977	1,530.0	1,519.9	10.1
1978	1,537.8	N.A.	N.A.
1979	1,812.0	1,560.0	252.0
1980	1,253.4	1,226.1	27.3
1981	1,385.1	1,450.7	(65.6)
1982	1,476.9	1,843.8	(366.9)
1983	1,922.1	2,067.4	(145.3)
1984	2,616.7	3,034.2	(417.5)
1985	3,381.4	3,871.4	(490.0)
1986	3,735.7	4,618.8	(883.1)
1987	3,819.3	4,384.9	(565.6)

* GENERAL MOTORS, FORD, CHRYSLER, AMC, NAVISTAR

SOURCE: COMPILED FROM COMPANY RESPONSES TO THE REISMAN INQUIRY (1965-1977)
AND COMPANY AUTO PACT REPORTS - AP 300 (1979-1987). 1978 DATA NOT AVAILABLE FROM
FROM AUTO PACT REPORTS.

2. SHIPMENTS

TABLE 2.1

VALUE OF SHIPMENTS IN CANADIAN AUTOMOTIVE INDUSTRIES, 1976-1987
(\$ MILLIONS)

YEAR	MOTOR VEHICLE MANUFACTURERS	TRUCK BODY & TRAILER MANUFACTURERS	MOTOR VEHICLE PARTS & ACCESSORIES MANUFACTURERS	AUTOMOTIVE FABRIC MANUFACTURERS	TOTAL
1976	7,276.1	304.7	3,112.3	305.5	10,998.6
1977	8,610.4	340.4	3,790.2	348.6	13,089.6
1978	10,070.1	426.1	4,692.0	427.7	15,615.9
1979	10,724.4	594.5	4,472.8	424.6	16,216.3
1980	10,071.1	618.4	3,609.7	424.5	14,723.7
1981	11,402.8	631.6	4,358.4	520.9	16,913.7
1982	12,343.6	483.4	5,059.7	479.2	18,365.9
1983	15,590.7	449.4	8,357.9	612.3	25,010.3
1984	21,262.9	981.9	11,019.5	816.9	34,081.2
1985	24,599.1	1,049.1	12,183.3	905.3	38,736.8
1986	25,093.9	1,174.8	12,222.0	999.7	39,490.4
1987 *	22,293.0	1,198.9	11,912.3	909.1	36,313.3

SOURCE: STATISTICS CANADA

* ESTIMATED VALUE OF SHIPMENTS

3. PRODUCTION

TABLE 3.1

NORTH AMERICAN PRODUCTION OF MOTOR VEHICLES
(000 UNITS)

YEAR	CANADA		U.S.A.		NORTH AMERICA TOTAL	
	VOLUME	PERCENT	VOLUME	PERCENT	VOLUME	PERCENT
1965	846	7.1	11,114	92.9	11,960	100.0
1966	902	8.0	10,363	92.0	11,265	100.0
1967	947	9.5	8,992	90.5	9,939	100.0
1968	1,180	9.9	10,794	90.1	11,974	100.0
1969	1,353	11.7	10,182	88.3	11,535	100.0
1970	1,193	12.6	8,263	87.4	9,456	100.0
1971	1,373	11.4	10,650	88.6	12,023	100.0
1972	1,474	11.5	11,297	88.5	12,771	100.0
1973	1,575	11.1	12,663	88.9	14,238	100.0
1974	1,564	13.5	9,984	86.5	11,548	100.0
1975	1,442	13.9	8,965	86.1	10,407	100.0
1976	1,647	12.5	11,486	87.5	13,133	100.0
1977	1,775	12.3	12,699	87.7	14,474	100.0
1978	1,818	12.4	12,895	87.6	14,713	100.0
1979	1,632	12.5	11,475	87.5	13,107	100.0
1980	1,374	14.6	8,010	85.4	9,384	100.0
1981	1,280	13.9	7,941	86.1	9,221	100.0
1982	1,236	15.0	6,985	85.0	8,221	100.0
1983	1,502	14.0	9,226	86.0	10,728	100.0
1984	1,830	14.3	10,924	85.7	12,754	100.0
1985	1,930	14.2	11,648	85.8	13,578	100.0
1986	1,859	14.1	11,317	85.9	13,176	100.0
1987	1,648	13.1	10,908	86.9	12,556	100.0

SOURCE: WARD'S AUTOMOTIVE REPORTS

TABLE 3.2

NORTH AMERICAN PRODUCTION OF PASSENGER CARS
(000 UNITS)

YEAR	CANADA		U.S.A.		NORTH AMERICA
	VOLUME	PERCENT	VOLUME	PERCENT	VOLUME
1975	1,054,537	13.6	6,705,837	86.4	7,760,374
1976	1,146,264	11.9	8,492,473	88.1	9,638,737
1977	1,162,427	11.2	9,211,411	88.8	10,373,838
1978	1,162,433	11.2	9,173,606	88.8	10,336,039
1979	996,745	10.6	8,422,074	89.4	9,418,819
1980	846,777	11.7	6,372,304	88.3	7,219,081
1981	783,677	11.1	6,251,003	88.9	7,034,680
1982	787,848	13.4	5,073,214	86.6	5,861,062
1983	955,498	12.3	6,782,061	87.7	7,737,559
1984	1,022,728	11.6	7,773,342	88.4	8,796,070
1985	1,070,981	11.6	8,186,034	88.4	9,257,015
1986	1,061,852	11.9	7,829,249	88.1	8,891,101
1987	810,570	10.2	7,099,829	89.8	7,910,399

SOURCE: WARD'S AUTOMOTIVE REPORTS

TABLE 3.3

CANADIAN TRUCK PRODUCTION, 1975-1987
(UNITS)

YEAR	LIGHT	PERCENT OF TOTAL	MEDIUM AND HEAVY DUTY	PERCENT OF TOTAL	TOTAL
1975	367,142	94.74	20,397	5.26	387,539
1976	482,807	96.45	17,753	3.55	500,560
1977	576,297	95.64	26,263	4.36	602,560
1978	629,743	95.99	26,316	4.01	656,059
1979	606,936	95.59	27,980	4.41	634,916
1980	506,274	95.97	21,248	4.03	527,522
1981	480,172	96.65	16,650	3.35	496,822
1982	434,138	96.94	13,682	3.06	447,820
1983	539,386	98.53	8,051	1.47	547,437
1984	793,873	97.80	17,849	2.20	811,722
1985	834,467	97.46	21,711	2.54	856,178
1986	771,102	97.28	21,578	2.72	792,680
1987	815,839	97.36	22,164	2.64	838,003

SOURCE: WARDS' AUTOMOTIVE REPORTS

TABLE 3.4

U.S. TRUCK PRODUCTION, 1975-1987
(UNITS)

YEAR	LIGHT	PERCENT OF TOTAL	MEDIUM	PERCENT OF TOTAL	HEAVY- DUTY	PERCENT OF TOTAL	TOTAL
1975	1,945,498	85.62	200,271	8.81	126,391	5.56	2,272,160
1976	2,637,314	88.53	198,726	6.67	143,009	4.80	2,979,049
1977	3,048,767	88.80	203,653	5.93	180,809	5.27	3,433,229
1978	3,263,122	88.04	224,379	6.05	218,749	5.90	3,706,250
1979	2,608,076	85.89	189,477	6.24	239,153	7.88	3,036,706
1980	1,386,523	83.16	100,088	6.00	180,672	10.84	1,667,283
1981	1,445,403	84.98	88,666	5.21	166,839	9.81	1,700,908
1982	1,720,532	90.30	49,224	2.58	135,684	7.12	1,905,440
1983	2,096,297	86.47	126,548	5.22	201,459	8.31	2,424,304
1984	2,769,275	90.05	67,805	2.20	238,245	7.75	3,075,325
1985	3,045,990	90.74	78,279	2.33	232,636	6.93	3,356,905
1986	3,128,146	92.20	51,264	1.51	213,475	6.29	3,392,885
1987	3,528,360	92.45	54,596	1.43	233,739	6.12	3,816,695

SOURCE: WARD'S AUTOMOTIVE YEARBOOK

4. INVESTMENT

TABLE 4.1

NEW CAPITAL EXPENDITURES IN CANADIAN AUTOMOTIVE INDUSTRIES
(\$ MILLIONS)

YEAR	MOTOR VEHICLE MANUFACTURERS	TRUCK- BODY MANUFACTURERS	MOTOR VEHICLE PARTS & ACCESSORIES	TOTAL
1977	152.5	24.1	109.6	286.2
1978	83.6	15.4	203.9	302.9
1979	111.4	41.7	330.9	484.0
1980	136.4	47.2	780.9	964.5
1981	272.9	32.2	666.5	971.6
1982	203.1	33.6	188.5	425.2
1983	463.2	12.6	140.5	616.3
1984	256.1	12.6	171.1	439.8
1985	713.6	8.9	332.1	1,054.6
1986	1,897.3	19.4	402.9	2,319.6
1987	1,583.6	27.0	755.4	2,366.0

SOURCE: STATISTICS CANADA

5. TRADE & AUTO PACT DATA

TABLE 5.1

CANADIAN-OVERSEAS TRADE IN AUTOMOTIVE PRODUCTS *
(\$ MILLIONS)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CANADIAN EXPORTS														
MOTOR VEHICLES	204	421	427	614	711	558	634	656	440	281	346	216	222	187
PARTS	142	180	171	195	314	445	420	556	404	254	280	307	418	382
TIRES AND TUBES	5	5	8	7	10	11	31	45	26	18	24	45	42	32
RE-EXPORTS	7	10	10	10	9	21	89	436	390	194	174	134	197	195
TOTAL	358	616	616	826	1,044	1,035	1,174	1,693	1,260	747	824	702	879	796
CANADIAN IMPORTS														
MOTOR VEHICLES	450	410	522	592	894	727	1,159	1,599	1,413	1,626	2,176	3,107	3,954	4,080
PARTS	260	206	231	235	262	365	355	342	379	613	1,328	1,459	1,761	1,831
TIRES AND TUBES	70	82	79	110	146	202	208	187	115	128	207	207	220	261
TOTAL	780	698	832	937	1,302	1,294	1,722	2,128	1,907	2,367	3,711	4,773	5,935	6,172
BALANCES														
MOTOR VEHICLES	(246)	11	(95)	22	(183)	(169)	(525)	(943)	(973)	(1,345)	(1,830)	(2,891)	(3,732)	(3,893)
PARTS	(118)	(26)	(60)	(40)	52	80	65	214	25	(359)	(1,048)	(1,152)	(1,343)	(1,449)
TIRES AND TUBES	(65)	(77)	(71)	(103)	(136)	(191)	(177)	(142)	(89)	(110)	(183)	(162)	(178)	(229)
RE-EXPORTS	7	10	10	10	9	21	89	436	390	194	174	134	197	195
TOTAL	(422)	(82)	(216)	(111)	(258)	(259)	(548)	(435)	(647)	(1,620)	(2,887)	(4,071)	(5,056)	(5,376)

* CKDs are included sometimes in the parts category and sometimes in the vehicle category

SOURCE: STATISTICS CANADA

TABLE 5.2

CANADA-UNITED STATES TRADE IN AUTOMOTIVE PRODUCTS, 1974-1987
(\$ MILLIONS)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
UNITED STATES IMPORTS FROM CANADA*														
CARS	2,540	2,858	3,430	4,032	4,273	4,345	4,452	5,145	7,170	8,973	13,085	15,277	16,428	13,505
TRUCKS	868	932	1,344	1,964	2,325	2,364	2,218	3,142	3,946	4,437	5,880	6,422	5,804	6,838
PARTS	1,963	2,045	2,942	3,721	4,753	4,489	3,405	4,151	4,902	7,056	10,287	11,512	11,577	11,579
TIRES AND TUBES	64	68	163	144	192	234	231	286	406	419	598	592	675	661
TOTAL	5,435	5,903	7,879	9,861	11,543	11,432	10,306	12,724	16,424	20,885	29,850	33,803	34,484	32,583
CANADIAN IMPORTS FROM UNITED STATES														
CARS	1,621	2,183	2,317	2,834	3,038	3,747	3,388	3,710	2,875	4,886	6,085	8,566	8,628	8,691
TRUCKS	896	942	970	1,118	1,322	1,952	1,217	1,347	873	1,129	2,039	2,570	2,824	3,282
PARTS	3,829	4,425	5,473	6,848	8,092	8,666	7,600	9,230	9,676	11,359	15,446	17,438	17,635	16,397
TIRES AND TUBES	218	174	115	153	130	155	146	165	147	225	345	264	227	310
TOTAL	6,564	7,724	8,875	10,953	12,582	14,520	12,351	14,452	13,571	17,599	23,915	28,838	29,314	28,680
BALANCES														
CARS	919	675	1,113	1,198	1,235	598	1,064	1,435	4,295	4,087	7,000	6,711	7,800	4,814
TRUCKS	(28)	(10)	374	846	1,003	412	1,001	1,795	3,073	3,308	3,841	3,852	2,980	3,556
PARTS	(1,866)	(2,380)	(2,531)	(3,127)	(3,339)	(4,177)	(4,195)	(5,079)	(4,774)	(4,303)	(5,159)	(5,926)	(6,058)	(4,818)
TIRES AND TUBES	(154)	(106)	48	(9)	62	79	85	121	259	194	253	328	448	351
TOTAL	(1,129)	(1,821)	(996)	(1,092)	(1,039)	(3,088)	(2,045)	(1,728)	2,853	3,286	5,935	4,965	5,170	3,903

* A MORE ACCURATE MEASUREMENT OF TRADE IN AUTOMOTIVE PRODUCTS IS OBTAINED BY COMPARING THE IMPORT STATISTICS OF EACH COUNTRY. ACCORDINGLY, CANADIAN EXPORTS ARE DERIVED FROM THE COUNTERPART UNITED STATES STATISTICS OF IMPORTS.

TABLE 5.3

OVERALL NET PRODUCTION TO NET SALES-VALUE RATIOS* ACHIEVED BY AUTO PACT COMPANIES IN CANADA
1974-1987 (PERCENT)

	MODEL YEARS													
	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
PASSENGER VEHICLES														
(REQUIRED RATIO: RANGE 95-100)														
NET SALES-VALUE RATIO ACHIEVED (ALL COMPANIES)	122	122	122	125	130	130	106	123	202	196	173	174	177	162
COMMERCIAL VEHICLES														
(REQUIRED RATIO: RANGE 75-100)														
NET SALES-VALUE RATIO ACHIEVED (ALL COMPANIES)	98	101	113	132	155	127	115	140	238	272	231	192	191	159
BUSES														
(REQUIRED RATIO: RANGE 85-100)														
NET SALES-VALUE RATIO ACHIEVED (ALL COMPANIES)	102	114	98	105	163	183	199	273	213	243	312	324	239	163

* 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

SOURCE: COMPILED FROM COMPANY AUTO PACT REPORTS TO INDUSTRY, SCIENCE AND TECHNOLOGY CANADA

TABLE 5.4

PERCENT CVA/COS ACHIEVED
BY AUTO PACT PRODUCERS (VEHICLES)
1976-1987
(\$ MILLIONS)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
COST OF VEHICLE SALES IN CANADA OF ALL AUTO PACT PRODUCERS (MODEL YEAR)	5,345	6,001	6,727	8,554	8,757	8,659	6,327	6,752	10,281	13,022	15,002	15,340
TOTAL CVA PRODUCED (MODEL YEAR)	3,606	4,337	4,951	5,491	4,659	5,368	5,759	5,847	8,504	10,210	11,282	10,113
DIFFERENCE BETWEEN COST OF SALES AND CVA PRODUCED	1,739	1,664	1,776	3,063	4,020	3,235	568	905	1,777	2,812	3,720	5,227
TOTAL ACHIEVED CVA AS PERCENTAGE OF COST OF SALES	67	72	74	64	53	62	91	87	83	78	75	66

CVA = CANADIAN VALUE ADDED
COS = COST OF SALES

SOURCE: AUTO PACT COMPANY REPORTS TO INDUSTRY, SCIENCE AND TECHNOLOGY CANADA

TABLE 5.5

TOTAL CANADIAN VALUE-ADDED BY CATEGORY OF PRODUCTION FOR THE FOUR MAJOR
VEHICLE MANUFACTURERS IN CANADA*
(\$ 000)

YEAR	NON-PARTS CVA IN VEHICLE PRODUCTION	PARTS CVA IN VEHICLE PRODUCTION	CVA IN ORIGINAL EQUIPMENT PARTS EXPORTED	TOTAL CANADIAN VALUE-ADDED PRODUCED	PARTS CVA AS PERCENTAGE OF TOTAL CVA
	A	B	C	D = A+B+C	(B+C)/D
1964	319,294	429,687	36,496	785,477	59.4%
1965	379,532	575,750	100,097	1,055,379	64.0%
1966	398,154	537,554	198,943	1,134,651	64.9%
1967	360,716	481,780	302,669	1,145,165	68.5%
1968	418,490	493,666	444,895	1,357,051	69.2%
1969	473,920	559,537	587,509	1,620,966	70.8%
1970	482,821	509,910	650,575	1,643,306	70.6%
1971	524,922	457,094	728,149	1,710,165	69.3%
1972	564,178	562,676	879,228	2,006,082	71.9%
1973	657,787	603,624	1,078,736	2,340,147	71.9%
1974	739,987	640,285	1,069,117	2,449,389	69.8%
1975	876,298	733,442	1,105,988	2,715,728	67.7%
1976	1,053,265	724,808	1,568,273	3,346,346	68.5%
1977	1,289,796	833,948	1,882,556	4,006,300	67.8%
1978	1,435,608	948,744	2,133,323	4,517,675	68.2%
1979	1,465,468	1,184,305	2,351,655	5,001,428	70.7%
1980	1,321,865	1,086,625	1,755,138	4,163,628	68.3%
1981	1,344,937	1,272,954	2,217,692	4,835,583	72.2%
1982	1,456,898	1,232,880	2,256,222	4,946,000	70.5%
1983	1,603,567	1,446,315	2,542,162	5,592,044	71.3%
1984	1,980,610	2,797,210	3,917,148	8,694,968	77.2%
1985	2,181,753	3,093,599	5,095,169	10,370,521	79.0%
1986	2,432,490	2,500,545	5,532,363	10,465,398	76.8%
1987	2,364,822	1,855,592	5,123,953	9,344,367	74.7%

* GENERAL MOTORS OF CANADA, FORD OF CANADA, CHRYSLER CANADA, AMC CANADA

SOURCE: 1964-1977 DATA PREPARED BY THE REISMAN COMMISSION; 1978-1987 DATA

PREPARED BY INDUSTRY, SCIENCE AND TECHNOLOGY CANADA

6. EMPLOYMENT

TABLE 6.1

EMPLOYMENT RELATED TO AUTOMOTIVE MANUFACTURING IN CANADA, 1964-1987
(000)

CALENDAR YEAR	MOTOR VEHICLE ASSEMBLY (SIC 323)	TRUCK BODIES & TRAILERS (SIC 324)	AUTOMOTIVE PARTS & ACC. (SIC 325)	AUTOMOBILE FABRIC & ACC. (SIC 188)	TOTAL
1964	34.3	4.4	30.5	1.3	70.5
1965	39.8	5.8	35.3	1.9	82.8
1966	40.7	6.3	37.6	2.7	87.3
1967	38.7	6.7	37.7	2.6	85.7
1968	39.6	6.8	37.3	3.1	86.8
1969	42.3	8.2	40.4	4.1	95.0
1970	37.5	8.4	36.4	3.7	86.0
1971	41.0	10.1	41.3	4.3	96.7
1972	41.9	14.2	41.4	5.2	102.7
1973	15.2	14.8	48.8	5.8	84.6
1974	47.1	15.2	45.9	5.7	113.9
1975	43.4	14.4	41.2	4.8	103.8
1976	46.6	14.0	46.2	5.6	112.4
1977	50.6	12.6	48.6	6.5	118.3
1978	52.3	13.6	52.1	6.9	124.9
1979	52.6	14.8	49.8	6.6	123.8
1980	43.9	12.9	41.0	6.3	104.1
1981	43.4	12.1	44.7	7.2	107.4
1982	42.7	8.6	41.1	6.3	98.7
1983	44.4	11.5	55.2	4.5	115.6
1984	49.5	12.5	56.9	4.9	123.8
1985	50.4	13.5	60.3	5.1	129.3
1986	49.9	14.1	63.6	5.1	132.7
1987	50.2	17.8	70.6	7.6	146.2

SOURCE: STATISTICS CANADA

TABLE 6.2

EMPLOYMENT RELATED TO AUTOMOTIVE MANUFACTURING IN THE U.S., 1972-1987
(000)

YEAR	TOTAL MOTOR VEHICLES AND EQUIPMENT (SIC 371)	MOTOR VEHICLES (3711)	TRUCKS AND BUS BODIES (3713)	PARTS AND ACCESSORIES (3714)	AUTOMOTIVE STAMPINGS (SIC 3465)
ANNUAL AVERAGE					
1972	874.8	415.2	46.1	383.0	104.5
1973	976.5	461.6	51.3	429.9	110.9
1974	907.7	416.2	54.8	402.7	95.5
1975	792.4	375.3	45.5	352.5	82.1
1976	881.0	415.9	43.7	399.0	99.5
1977	938.0	439.8	47.5	424.3	110.0
1978	977.1	451.5	51.4	443.6	114.0
1979	994.6	464.2	45.8	444.4	115.0
1980	788.8	368.1	39.7	349.5	95.3
1981	788.7	358.7	37.0	363.3	93.7
1982	704.8	321.3	31.1	325.4	82.0
1983	772.7	363.1	31.8	344.2	88.6
1984	867.2	389.4	40.4	388.0	99.3
1985	873.4	402.5	37.8	388.9	102.3
1986	842.7	381.1	37.8	378.8	101.2
1987	841.5	367.6	43.8	384.4	99.4

SOURCE: U.S. BUREAU OF LABOUR STATISTICS

TABLE 6.3

CANADIAN AUTOMOTIVE PARTS INDUSTRY BY NUMBER OF EMPLOYEES: 1985

NUMBER OF EMPLOYEES	NUMBER OF ESTABLISHMENTS	PERCENT OF TOTAL ESTABLISHMENTS	VALUE OF SHIPMENTS (\$ MILLION)	PERCENT OF TOTAL SHIPMENTS
FEWER THAN 100	340	66.2	1,007,767	7.8
100-500	139	27.0	3,759,323	27.7
500 OR MORE	34	6.8	8,336,380	64.5
TOTAL	513	100.0	13,103,470	100.0

SOURCE: STATISTICS CANADA

