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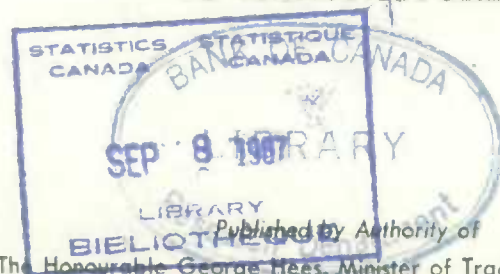
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# MOTOR VEHICLE MANUFACTURERS

## 1960

Formerly The Motor Vehicles Industry

### ANNUAL CENSUS OF MANUFACTURES



Published by Authority of  
The Honourable George Hees, Minister of Trade and Commerce

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## SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- <sup>P</sup> preliminary figures.



## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers



and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

# MOTOR VEHICLE MANUFACTURERS

1960

Data presented in this report under the heading of Motor Vehicle Manufacturers reflect implementation of the revised Standard Industrial Classification (SIC) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item “Standard Industrial Classification” in the Explanatory Notes section of this report. For statistical purposes the industry titled Motor Vehicle Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing or assembling complete motor vehicles such as passenger automobiles, commercial cars and buses, trucks, and special purpose motor vehicles such as ambulances and taxicabs.

In many instances, adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry groupings. Where this has occurred an attempt has been made to re-compile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis for purposes of comparability and the revised data will be presented in the appropriate industry reports. However, in the case of Motor Vehicles Manufacturers, changes brought about by the implementation of the new SIC have been nil (except as they relate to title) so that for all practical purposes the new grouping corresponds completely with the industry formerly titled The Motor Vehicles Industry.

There were 18 establishments classified as Motor Vehicle Manufacturers in 1960; there being 11 in Ontario, 3 in Quebec and 2 each in Manitoba and British Columbia. Employees in this industry numbered 27,683; salaries and wages totalled \$149,748,166; materials used in manufacturing processes cost \$619,018,864; fuel and electricity cost \$6,043,078; and factory shipments were valued at \$970,329,667.

The total value of factory shipments of all motor vehicles (including amounts from other industries) was \$820,992,081 in 1960 as compared with \$784,318,905 in 1959. The number of cars, trucks and buses shipped from plants during the year totalled 396,943 an increase of 9.3 per cent over the 368,057 reported in 1959.

Factory shipments of passenger cars in 1960 totalled 326,273 of which 307,499 units were made for sale in Canada and 18,744 were made for export. The number of trucks shipped from plants totalled 69,338 units, of which 64,961 were for the Canadian Market and 4,377 were for export. Output of buses numbered 1,332 units, all of which were for the domestic market.

Actual exports of Canadian-made vehicles during 1960 totalled 20,620 units valued at \$28,036,109, and imports amounted to 180,029 units with a value of \$243,363,243.

**Note:** Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the “Value added” adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the “Value added” figure was further adjusted to take into account the “Goods in process” as well as the finished goods held at plant or plant warehouse.



**TABLE 1. Principal Statistics: Motor Vehicle Manufacturers, Significant Years 1929 - 60  
and by Provinces, 1959 and 1960**

Year and province	Estab- lish- ments <sup>1</sup>	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used <sup>2</sup>	Value added by manufacture <sup>3</sup>	Selling value of factory shipments <sup>4</sup>
	number				dollars		
1929 .....	17	16,435	26,864,808	1,057,794	120,332,694	56,982,899	177,315,593
1933 .....	22	8,134	8,557,331	457,140	28,730,750	13,697,753	42,885,643
1937 .....	15	14,946	22,138,991	831,318	92,706,147	41,272,815	134,810,280
1939 .....	12	14,427	20,573,714	818,896	71,671,753	34,972,702	107,463,351
1943 .....	5	24,265	57,569,265	2,227,727	248,652,602	101,349,626	352,229,955
1946 .....	9	21,647	43,968,772	1,969,064	135,556,183	55,014,441	193,439,688
1949 .....	15	27,022	76,684,328	2,996,194	300,705,398	182,055,285	485,756,877
1955 .....	15	33,429	134,661,758	4,499,463	631,181,084	269,601,907	907,410,923
1956 .....	16	35,099	149,948,223	5,978,809	697,299,987	298,259,463	988,143,273
1957 .....	16	33,193	143,629,874	5,855,651	658,913,303	282,786,302	948,596,660
1958 .....	15	26,396	129,718,693	5,263,376	571,501,488	253,945,274	847,342,113
1959							
Ontario .....	10	27,563	143,080,431	5,842,048	581,763,830	346,456,726	912,947,542
Other provinces .....	6	898	3,875,894	80,175	9,305,132	7,308,906	16,002,097
Canada .....	16	28,461	146,956,325	5,922,223	591,068,962	353,765,632	928,949,639
1960							
Ontario .....	11	26,688	145,580,519	5,946,398	608,974,444	330,019,595	952,330,161
Other provinces .....	7	995	4,167,647	96,680	10,044,420	8,320,857	17,999,506
Canada .....	18	27,683	149,748,166	6,043,078	619,018,864	338,340,452	970,329,667

<sup>1</sup> Includes assembly plants.

<sup>2</sup> Duty drawback has been deducted.

<sup>3</sup> See note to text.

<sup>4</sup> (a) Includes value of parts made in auto factories, also any other products made in these works.

(b) The total under this heading for 1955-60 refers to value of factory shipments.

**Note:** Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Inventories,<sup>1</sup> 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Ontario.....	8,168,629	59,025,813	24,696,772	91,891,214
Other provinces .....	4,447,947	1,340,560	674,686	5,463,184
<b>Canada.....</b>	<b>11,616,576</b>	<b>60,366,373</b>	<b>25,371,458</b>	<b>97,354,398</b>
Closing:				
Ontario.....	5,417,595	51,578,515	24,755,346	81,751,456
Other provinces .....	3,728,990	1,534,546	934,151	6,206,687
<b>Canada.....</b>	<b>9,146,585</b>	<b>53,122,061</b>	<b>25,689,497</b>	<b>87,958,143</b>

<sup>1</sup> (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) The opening inventory for 1960 does not necessarily agree with the closing inventory for 1959 because of revisions, such as the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been re-calculated to allow for the revisions mentioned above.

TABLE 3. Factory Shipments<sup>1</sup> of Motor Vehicles, by Types, 1952 - 1960  
(from All Industries)

Year	Passenger cars		Trucks and buses		Total	
	Number	Selling value at plant	Number	Selling value at plant	Number	Selling value at plant
		\$		\$		\$
1952 .....	283,534	417,654,448	150,176	253,247,296	433,710	670,901,744
1953 .....	360,385	539,524,001	120,574	199,082,949	480,959	738,606,950
1954 .....	287,191	436,820,440	69,892	122,291,809	357,083	559,112,249
1955 .....	375,028	610,683,424	78,569	143,455,714	453,597	754,139,138
1956 .....	374,312	646,523,642	93,552	190,224,699	467,864	836,748,341
1957 .....	340,016	639,852,313	71,868	149,668,953	411,884	789,521,266
1958 .....	298,349	583,921,795	61,428	135,774,339	359,777	719,696,134
1959 .....	300,616	613,350,033	67,441	170,968,872	368,057	784,318,905
1960 .....	326,273	650,307,533	70,670	170,684,548	396,943	820,992,081

<sup>1</sup> Shipment figures include wheeled vehicles for military use.

<sup>2</sup> Selling value represents the wholesale value or the amount of money received by manufacturers from their dealers or distributors; taxes, dealers' commissions, etc., are not included.

**TABLE 4. Production and Factory Shipments of Motor Vehicles, 1959 and 1960**  
(from All Industries)

Type	Production (whether shipped or not)	Factory shipments					
		For sale in Canada		For export		Total shipments	
		Number	Value of shipments	Number	Value of shipments	Number	Value of shipments
	No.		\$		\$		\$
<b>1959</b>							
(a) Passenger cars:							
Convertible cars:							
Soft top .....	5,115	5,031	12,174,788	57	115,829	5,088	12,290,617
Hard top:							
2-door .....	30,200	29,147	66,997,734	374	618,836	29,521	67,616,570
4-door .....	23,628	22,475	53,461,750	1,222	2,089,367	23,697	55,551,117
Permanent closed cars:							
2-door sedan or coupé .....	44,734	45,233	84,051,671	59	97,350	45,292	84,149,021
4-door sedan .....	168,350	158,519	321,648,394	9,132	12,894,652	167,651	334,543,046
Station-wagon type:							
2-seat .....	6,944	6,890	14,861,476	31	58,708	6,921	14,920,184
3-seat .....	18,791	18,545	41,802,583	228	444,504	18,773	42,247,087
Chassis (sold without bodies) ..	3,673	1	1,000	3,672	2,031,391	3,673	2,032,391
Other models .....	—	—	—	—	—	—	—
<b>Totals, passenger cars ....</b>	<b>301,435</b>	<b>285,841</b>	<b>594,999,396</b>	<b>14,775</b>	<b>18,350,637</b>	<b>300,616</b>	<b>613,350,033</b>
(b) Trucks (classified according to maximum gross vehicle weight-in pounds):							
6,000 or less .....	31,255	29,823	49,200,617	2,057	2,254,029	31,880	51,454,646
6,001-10,000 .....	10,138	9,744	17,884,028	459	431,435	10,203	18,315,463
10,001-14,000 .....	2,021	2,101	4,105,473	1	1,672	2,102	4,107,145
14,001-16,000 .....	1,967	1,691	4,181,613	256	223,830	1,947	4,405,443
16,001-19,500 .....	5,445	4,207	12,263,463	1,148	918,186	5,355	13,181,649
19,501-26,000 .....	11,928	12,103	43,487,034	85	145,272	12,188	43,632,306
26,001-33,000 .....	1,775	1,767	11,643,757	6	144,700	1,773	11,788,457
Over 33,000 .....	1,505	1,526	16,598,165	—	—	1,526	16,598,165
<b>Totals, trucks .....</b>	<b>66,034</b>	<b>62,962</b>	<b>159,364,150</b>	<b>4,012</b>	<b>4,119,124</b>	<b>66,974</b>	<b>163,483,274</b>
(c) Buses or coaches:							
Complete:							
Transit type .....	290	288	7,022,866	—	—	288	7,022,866
Trolley type .....	—	—	—	—	—	—	—
Chassis only .....	180	179	462,732	—	—	179	462,732
<b>Totals, buses .....</b>	<b>470</b>	<b>467</b>	<b>7,485,598</b>	<b>—</b>	<b>—</b>	<b>467</b>	<b>7,485,598</b>
<b>Totals, all vehicles .....</b>	<b>367,939</b>	<b>349,270</b>	<b>761,849,144</b>	<b>18,787</b>	<b>22,469,761</b>	<b>368,057</b>	<b>784,318,905</b>



**TABLE 4. Production and Factory Shipments of Motor Vehicles, 1959 and 1960**  
(from All Industries) — Concluded

Type	Production (whether shipped or not)	Factory shipments					
		For sale in Canada		For export		Total shipments	
		Number	Value of shipments	Number	Value of shipments	Number	Value of shipments
	No.		\$		\$		\$
<b>1960</b>							
<b>(a) Passenger cars:</b>							
Convertible cars:							
Soft top.....	6,563	6,321	14,821,811	180	369,342	6,501	15,191,153
Hard top:							
2-door .....	27,360	26,945	60,200,784	442	681,476	27,387	60,882,260
4-door .....	23,189	21,271	49,660,688	1,985	3,366,972	23,256	53,027,660
Permanent closed cars:							
2-door sedan or coupe:							
Compact model .....	9,711	9,977	17,259,095	17	27,403	9,994	17,286,498
Other .....	37,761	37,937	69,850,231	45	71,488	37,982	69,921,719
4-door sedan:							
Compact model .....	28,804	25,340	45,725,984	2,937	3,992,871	28,277	49,718,855
Other .....	156,956	149,090	301,445,490	8,512	12,686,803	157,602	314,132,293
Station-wagon type:							
2-door .....	6,758	6,634	13,843,318	15	26,451	6,649	13,869,769
4-door .....	24,505	23,684	52,504,941	777	1,236,930	24,461	53,741,871
Chassis (sold without bodies) ..	3,864	—	—	3,864	1,947,522	3,864	1,947,522
Other models .....	314	300	587,933	—	—	300	587,933
<b>Totals, passenger cars ....</b>	<b>325,785</b>	<b>307,499</b>	<b>625,900,275</b>	<b>18,774</b>	<b>24,407,258</b>	<b>326,273</b>	<b>650,307,533</b>
<b>(b) Trucks (classified according to maximum gross vehicle weight in pounds):</b>							
6,000 or less .....	33,024	30,590	50,408,919	2,081	2,484,566	32,671	52,893,485
6,001-10,000 .....	11,204	10,445	19,408,129	593	751,234	11,038	20,159,363
10,001-14,000 .....	1,682	1,603	3,309,312	1	1,704	1,604	3,311,016
14,001-16,000 .....	3,232	2,846	7,370,627	336	347,607	3,182	7,718,234
16,001-19,500 .....	8,003	6,598	18,618,306	1,361	1,649,158	7,959	20,267,464
19,501-26,000 .....	10,304	9,788	35,921,378	—	—	9,788	35,921,378
26,001-33,000 .....	1,639	1,615	8,727,383	5	117,647	1,620	8,845,030
Over 33,000 .....	1,489	1,476	14,599,327	—	—	1,476	14,599,327
<b>Totals, trucks .....</b>	<b>70,577</b>	<b>64,961</b>	<b>158,363,381</b>	<b>4,377</b>	<b>5,351,916</b>	<b>69,338</b>	<b>163,715,297</b>
<b>(c) Buses or coaches:</b>							
Complete .....	165	164	4,500,083	—	—	164	4,500,083
Chassis only .....	1,212	1,168	2,469,168	—	—	1,168	2,469,168
<b>Totals, buses .....</b>	<b>1,377</b>	<b>1,332</b>	<b>6,969,251</b>	<b>—</b>	<b>—</b>	<b>1,332</b>	<b>6,969,251</b>
<b>Totals, all vehicles .....</b>	<b>397,739</b>	<b>373,792</b>	<b>791,232,907</b>	<b>23,151</b>	<b>29,759,174</b>	<b>396,943</b>	<b>820,992,081</b>

**TABLE 5. Factory Shipments of Motor Vehicles, showing made for Sale in Canada and made for Export Separately, 1952 - 60**

Year	Passenger cars			Trucks and buses		
	Made for sale in Canada	Made for export	Total	Made for sale in Canada	Made for export	Total
	number					
1952 .....	245,443	38,091	283,534	112,485	37,691	150,176
1953 .....	319,937	40,448	360,385	100,772	19,802	120,574
1954 .....	267,452	19,739	287,191	59,666	10,226	69,892
1955 .....	349,306	25,722	375,028	69,186	9,383	78,569
1956 .....	349,809	24,503	374,312	85,094	8,458	93,552
1957 .....	318,416	21,600	340,016	64,857	7,011	71,868
1958 .....	280,677	17,672	298,349	55,908	5,520	61,428
1959 .....	285,841	14,775	300,616	63,429	4,012	67,441
1960 .....	307,499	18,774	326,273	66,293	4,377	70,670

**TABLE 6. Motor Vehicle Shipments by Canadian Producers, by Months, 1959 and 1960**

Month	Passenger		Commercial		Total	
	For sale in Canada	For export	For sale in Canada	For export	For sale in Canada	For export
number						
1959						
January .....	28,738	879	3,836	157	32,574	1,036
February .....	30,053	1,101	5,829	28	35,882	1,129
March .....	33,036	1,276	6,959	389	39,995	1,665
April .....	34,282	1,654	7,467	426	41,749	2,080
May .....	30,396	1,629	7,142	418	37,538	2,047
June .....	31,240	2,004	6,940	336	38,180	2,340
July .....	23,458	1,595	5,845	253	29,303	1,848
August .....	6,421	787	3,284	898	9,705	1,685
September .....	8,859	40	2,971	27	11,830	67
October .....	22,136	629	5,863	1	27,999	630
November .....	16,421	1,129	3,965	170	20,386	1,299
December .....	20,801	2,052	3,328	909	24,129	2,961
Totals .....	285,841	14,775	63,429	4,012	349,270	18,787
1960						
January .....	30,496	1,828	6,367	117	36,863	1,945
February .....	27,996	2,238	5,954	118	33,950	2,356
March .....	36,200	2,329	7,759	601	43,959	2,930
April .....	32,789	2,008	6,210	332	38,999	2,340
May .....	34,041	2,177	6,654	462	40,695	2,639
June .....	30,765	2,134	5,550	475	36,315	2,609
July .....	16,347	1,679	4,562	392	20,909	2,071
August .....	5,392	664	3,086	602	8,478	1,266
September .....	12,290	103	4,355	534	16,645	637
October .....	23,203	758	4,633	168	27,836	926
November .....	29,519	1,439	4,839	14	34,358	1,453
December .....	28,461	1,417	6,324	562	34,785	1,979
Totals .....	307,499	18,774	66,293	4,377	373,792	23,151

**Note:** Above breakdown developed from a special monthly report on "Motor Vehicle Shipments" including revisions necessary to affect reconciliation with annual totals shown in Table 4.

**TABLE 7. Principal Statistics classified according to Type of Ownership:  
Motor Vehicle Manufacturers, 1957 and 1960**

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
<b>1957</b>					
Individual ownership.....	—	—	—	—	—
Partnerships.....	—	—	—	—	—
Incorporated companies .....	16	33, 193	143, 629, 874	658, 913, 303	948, 596, 660
<b>Totals .....</b>	<b>16</b>	<b>33, 193</b>	<b>143, 629, 874</b>	<b>658, 913, 303</b>	<b>948, 596, 660</b>
<b>1960</b>					
Individual ownership.....	1	27, 683	149, 748, 166	619, 018, 864	970, 329, 667
Partnership.....	—				
Incorporated companies .....	17				
<b>Totals .....</b>	<b>18</b>	<b>27, 683</b>	<b>149, 748, 166</b>	<b>619, 018, 864</b>	<b>970, 329, 667</b>

**TABLE 8. Principal Statistics grouped according to Selling Value of Factory Shipments:  
Motor Vehicle Manufacturers, 1957 and 1960**

Establishments reporting value of shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
<b>1957</b>					
\$ 10,000 to \$ 199,999 .....	1	143	507, 613	886, 953	1, 511, 999
200,000 " 499,999 .....	1				
500,000 " 999,999 .....	1				
1,000,000 " 4,999,999 .....	5	904	3, 452, 345	6, 577, 062	11, 303, 922
5,000,000 and over.....	8	32, 146	139, 669, 916	651, 449, 288	935, 780, 739
<b>Totals .....</b>	<b>16</b>	<b>33, 193</b>	<b>143, 629, 874</b>	<b>658, 913, 303</b>	<b>948, 596, 660</b>
<b>1960</b>					
\$ 25,000 to \$ 49,999 .....	1	81	266, 624	304, 009	735, 123
200,000 " 499,999 .....	2				
500,000 " 999,999 .....	3				
1,000,000 " 4,999,999 .....	5	633	2, 699, 806	6, 534, 505	14, 062, 584
5,000,000 and over.....	7	26, 767	145, 916, 766	610, 653, 891	952, 724, 476
<b>Totals .....</b>	<b>18</b>	<b>27, 683</b>	<b>149, 748, 166</b>	<b>619, 018, 864</b>	<b>970, 329, 667</b>



**TABLE 9. Capital and Repair Expenditures: Motor Vehicle Manufacturers,  
1956 - 1960**

Year	Capital expenditures		Repair and maintenance expenditures		Total capital and repair expenditures
	Construction	Machinery and equipment	Construction	Machinery and equipment	
	thousands of dollars				
1956 .....	3,747	22,369	2,568	11,886	40,570
1957 .....	1,963	13,816	2,416	11,204	29,399
1958 .....	443	4,590	1,993	9,219	16,245
1959 .....	7,780	18,378	2,476	11,776	40,410
1960 <sup>P</sup> .....	8,787	8,063	2,419	11,083	30,352

**TABLE 10. Employees and Their Earnings: Motor Vehicle Manufacturers,  
1959 and 1960**

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total employees	Supervisory and office	Production and related workers	Total earnings
	Male	Female	Male	Female				
	number					dollars		
1959								
Ontario .....	5, 521	1, 379	20, 321	342	27, 563	43, 830, 478	99, 249, 953	143, 080, 431
Other provinces .....	229	49	617	3	898	1, 258, 541	2, 617, 353	3, 875, 894
Canada .....	5, 750	1, 428	20, 938	345	28, 461	45, 089, 019	101, 867, 306	146, 956, 325
1960								
Ontario .....	5, 642	1, 336	19, 378	332	26, 688	44, 962, 678	100, 617, 841	145, 580, 519
Other provinces .....	236	52	703	4	995	1, 234, 257	2, 933, 390	4, 167, 647
Canada .....	5, 878	1, 388	20, 081	336	27, 683	46, 196, 935	103, 551, 231	149, 748, 166

TABLE 11. Production Workers, by Months: Motor Vehicle Manufacturers, 1960

Month	Male	Female	Total
	number		
January .....	24,312	458	24,770
February .....	23,578	402	23,980
March .....	23,781	386	24,167
April .....	23,261	402	23,663
May .....	23,033	398	23,431
June .....	22,803	378	23,181
July .....	10,657	34	10,691
August .....	12,391	207	12,598
September .....	18,393	315	18,708
October .....	19,165	310	19,475
November .....	19,306	348	19,654
December .....	20,286	391	20,677
<b>Average</b> .....	<b>20,081</b>	<b>336</b>	<b>20,417</b>

TABLE 12. Fuel and Electricity Used: Motor Vehicle Manufacturers, 1960

Kind	Quantity	Cost at plant
		\$
Bituminous coal:		
From Canadian mines .....	ton	12,130
Imported .....	"	265,769
Lignite coal .....	"	1,276
Coke .....	"	5,485
Gasoline .....	Imp. gal.	1,734,470
Fuel oil, including kerosene or coal oil .....	"	710,213
Gas:		
Liquefied petroleum gases (propane, etc.) .....	"	610,244
Natural gas .....	M. cu. ft.	614,367
Other fuel .....	...	100,815
Electricity purchased .....	kwh	225,654,132
Steam purchased .....	..	119,109
<b>Total cost</b> .....	...	<b>6,043,078</b>
Electricity generated for own use .....	kwh	85,594,000
		—

TABLE 13. Imports of Motor Vehicles, 1959 and 1960

	1959	1960
Automobiles, freight and chassis for same .....	No. 10,337	8,709
\$	29,714,254	23,218,853
Automobiles, passenger, valued at not more than \$1,200 each and chassis for same .....	No. 100,259	109,702
\$	93,918,773	102,320,781
Automobiles, passenger, valued at more than \$1,200 each but not more than \$2,100 each and chassis for same .....	No. 41,511	47,956
\$	60,084,396	70,571,825
Motor omnibuses, electric (trackless), trolley-buses and chassis and complete parts thereof .....	No. 1,295	667
\$	7,693,963	6,496,120
Automobiles, passenger, all other .....	No. 12,162	12,995
\$	37,904,279	40,755,664
<b>Totals, automobiles .....</b>	<b>No. 165,564</b>	<b>180,029</b>
\$	<b>229,315,665</b>	<b>243,363,243</b>

TABLE 14. Exports<sup>1</sup> and Re-exports of Motor Vehicles, 1959 and 1960

	1959	1960
<b>Exports</b>		
Automobiles, freight, one-ton capacity or less .....	No. 1,804	2,189
\$	1,877,008	2,392,018
Automobiles, freight, over one-ton capacity .....	No. 198	1,247
\$	454,906	1,383,208
Automobiles, passenger, valued at \$1,000 or less .....	No. 48	2,472
\$	46,335	1,313,539
Automobiles, passenger, valued at over \$1,000 .....	No. 9,713	14,712
\$	16,269,538	22,947,344
<b>Totals, automobiles .....</b>	<b>No. 11,763</b>	<b>20,620</b>
\$	<b>18,647,787</b>	<b>28,036,109</b>
<b>Re-exports of imported cars</b>		
Automobiles:		
Freight .....	No. 6	56
\$	17,631	86,445
Passenger .....	No. 549	179
\$	810,447	310,088
<b>Totals, automobiles .....</b>	<b>No. 555</b>	<b>235</b>
\$	<b>828,078</b>	<b>396,533</b>

<sup>1</sup> Does not include sets of partial chassis considered as complete units in Tables 3, 4, 5 and 6.



## Directory of Firms: Motor Vehicle Manufacturers, 1960

Name of company	Location of plant
<b>Quebec:</b>	
Prevost Car Inc. ....	Ste. Claire
Sherbrooke Coach Mfg. Co. ....	Sherbrooke
Sicard Incorporated .....	Montreal
<b>Ontario:</b>	
Canadian Car Company Limited .....	Fort William
Chrysler Corporation of Canada, Limited .....	Windsor
Ford Motor Company of Canada, Limited .....	Windsor and Oakville
FWD Corporation (Canada) Ltd. ....	Kitchener
General Motors of Canada, Limited .....	Oshawa
International Harvester Co. of Canada, Limited .....	Chatham and Hamilton
Sadler Car Co. ....	St. Catharines
Studebaker-Packard of Canada, Limited .....	Hamilton
Willys of Canada, Limited .....	Windsor
<b>Manitoba:</b>	
Motor Coach Industries, Limited .....	Winnipeg
Western Flyer Coach Ltd. ....	Winnipeg
<b>British Columbia:</b>	
Hayes Manufacturing Company, Limited .....	Vancouver
Pacific Truck and Trailer Limited .....	Vancouver

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