



**Industria Nacional
de Autopartes, A.C.**

Statistical Outlook

Mexico

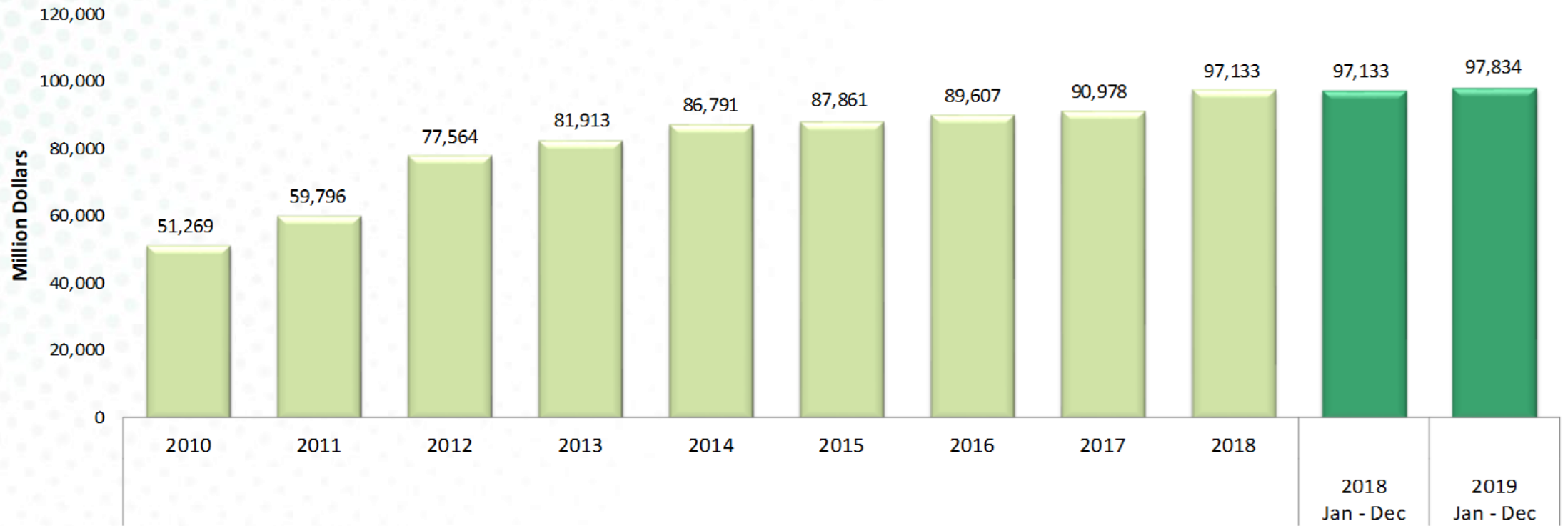
Auto Parts

Jan – Dec 2019

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1.- Production of Auto Parts in Mexico

Jan – Dec 2018 vs 2019



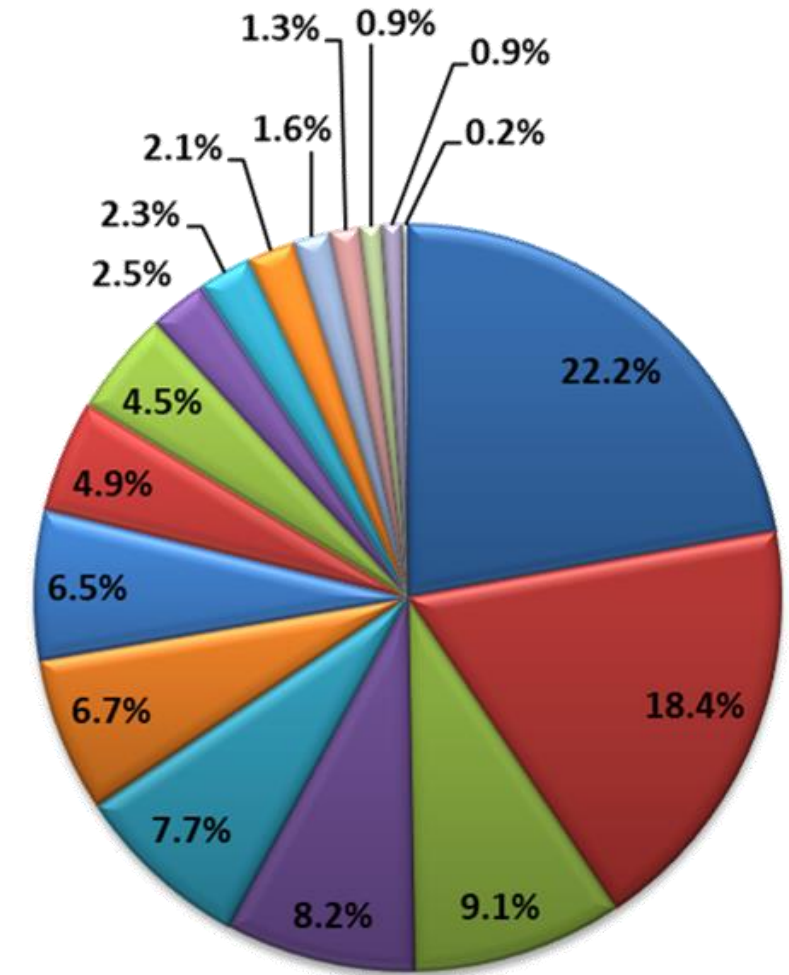
| (Million Dollars) | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2018 Jan - Dec | 2019 Jan - Dec | Var % |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|----------------|-------|
| Total Production | 51,269 | 59,796 | 77,564 | 81,913 | 86,791 | 87,861 | 89,607 | 90,978 | 97,133 | 97,133 | 97,834 | 0.72% |

Source: System information: Monthly Survey of Manufacturing Industry (EMIM) INEGI

1.- Production of Auto Parts in Mexico

Jan – Dec 2018 vs 2019

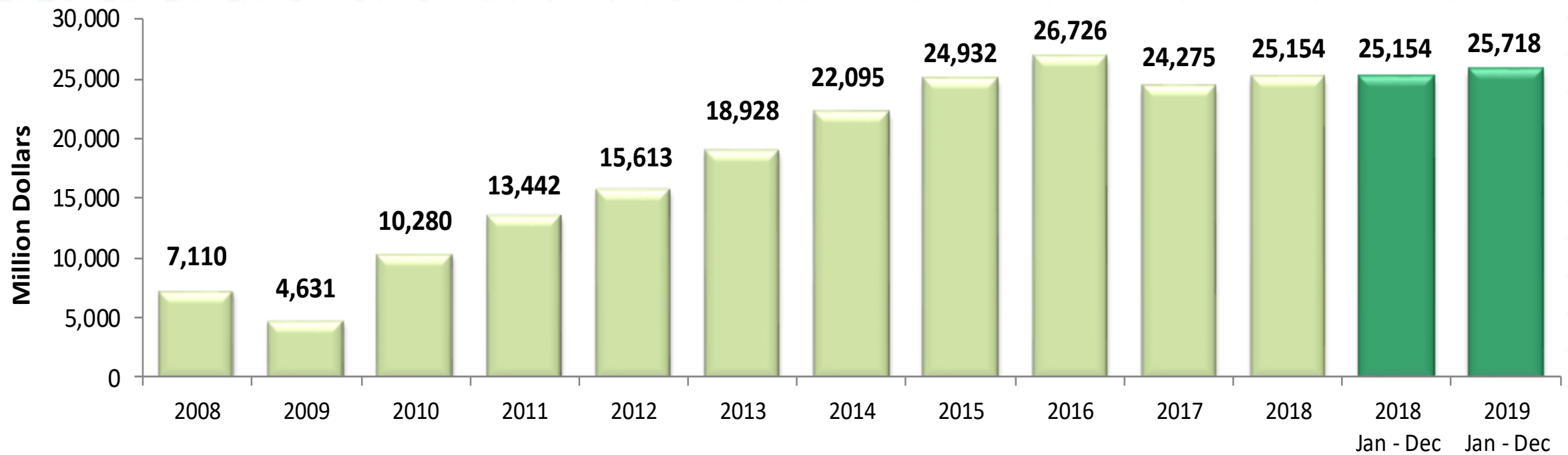
| Jan - Dec | Million Dollars | | |
|---------------------------------------|------------------|------------------|-------------|
| | 2018 | 2019 | Var % |
| Electrical Parts | \$ 21,937 | \$ 21,681 | -1.2% |
| Other | \$ 16,480 | \$ 18,017 | 9.3% |
| Transmissions, Clutches & Parts | \$ 9,629 | \$ 8,949 | -7.1% |
| Carpets & Seats Automotive | \$ 9,346 | \$ 8,059 | -13.8% |
| Engine parts | \$ 7,301 | \$ 7,487 | 2.5% |
| Gasoline Engines | \$ 7,042 | \$ 6,560 | -6.8% |
| Accessories and parts for automobiles | \$ 5,595 | \$ 6,326 | 13.1% |
| Suspension, Steering & Parts | \$ 4,183 | \$ 4,749 | 13.5% |
| Stampings and Parts | \$ 4,197 | \$ 4,440 | 5.8% |
| Diesel Engines | \$ 2,760 | \$ 2,439 | -11.6% |
| Brakes and Parts | \$ 2,402 | \$ 2,257 | -6.0% |
| Bodies | \$ 1,790 | \$ 2,009 | 12.2% |
| Automotive Rubber Products | \$ 1,403 | \$ 1,588 | 13.2% |
| Automotive Tires | \$ 1,271 | \$ 1,302 | 2.5% |
| Glass, Automotive Glass & Windshield | \$ 640 | \$ 890 | 39.0% |
| Oils, Lubricants & Fluids Automotive | \$ 879 | \$ 841 | -4.3% |
| Cooling | \$ 278 | \$ 240 | -13.7% |
| TOTAL | \$ 97,133 | \$ 97,834 | 0.7% |



Source: System information: Monthly Survey of Manufacturing Industry (EMIM) INEGI

2.- Trade Balance of the Auto Parts Sector







Jan – Dec 2018 vs 2019









Source: INA with information from IHS Markit

3.- Mexican Exports & Imports of Auto Parts by Country, Jan – Dec 2019

(Million Dollars)

| Country | Exports | Share (%) |
|---|-----------------|-------------|
|  United States | 70,500 | 86.9% |
|  Canada | 3,162 | 3.9% |
|  Brazil | 1,378 | 1.7% |
|  China | 1,216 | 1.5% |
|  Japan | 810 | 1.0% |
|  Germany | 649 | 0.8% |
| Others | 3,361 | 4.2% |
| Total | 81,076 | 100% |
| Trade Balance | + 25,718 | |












| Country | Imports | Share (%) |
|---|---------------|-------------|
|  United States | 27,347 | 49.4% |
|  China | 8,027 | 14.5% |
|  Japan | 3,432 | 6.2% |
|  South Korea | 3,100 | 5.6% |
|  Germany | 2,989 | 5.4% |
|  Canada | 1,993 | 3.6% |
| Others | 8,470 | 15.3% |
| Total | 55,358 | 100% |

Source: INA with information from IHS Markit

4.- Main Auto Parts Exported by Mexico

Jan – Dec 2019






(Million Dollars)

|  Auto Parts | 2019 | Share (%) |
|---|---------------|-------------|
|  Harnesses and cables | 8,779 | 11.1% |
|  Seats for vehicles and its parts | 5,466 | 6.9% |
|  Engines and its parts | 4,721 | 6.0% |
|  Gearboxes and its parts | 4,516 | 5.7% |
|  Stamped parts and accessories of bodies | 4,249 | 5.4% |
|  Differential axles and its parts | 3,470 | 4.4% |
|  Brake mechanisms | 2,733 | 3.4% |
|  Apparatus for lighting or visual signaling | 2,426 | 3.1% |
|  Air bags and its parts | 2,210 | 2.8% |
|  Devices for air conditioner | 2,169 | 2.7% |
| Total | 81,076 | 100% |

Source: INA with information from IHS Markit

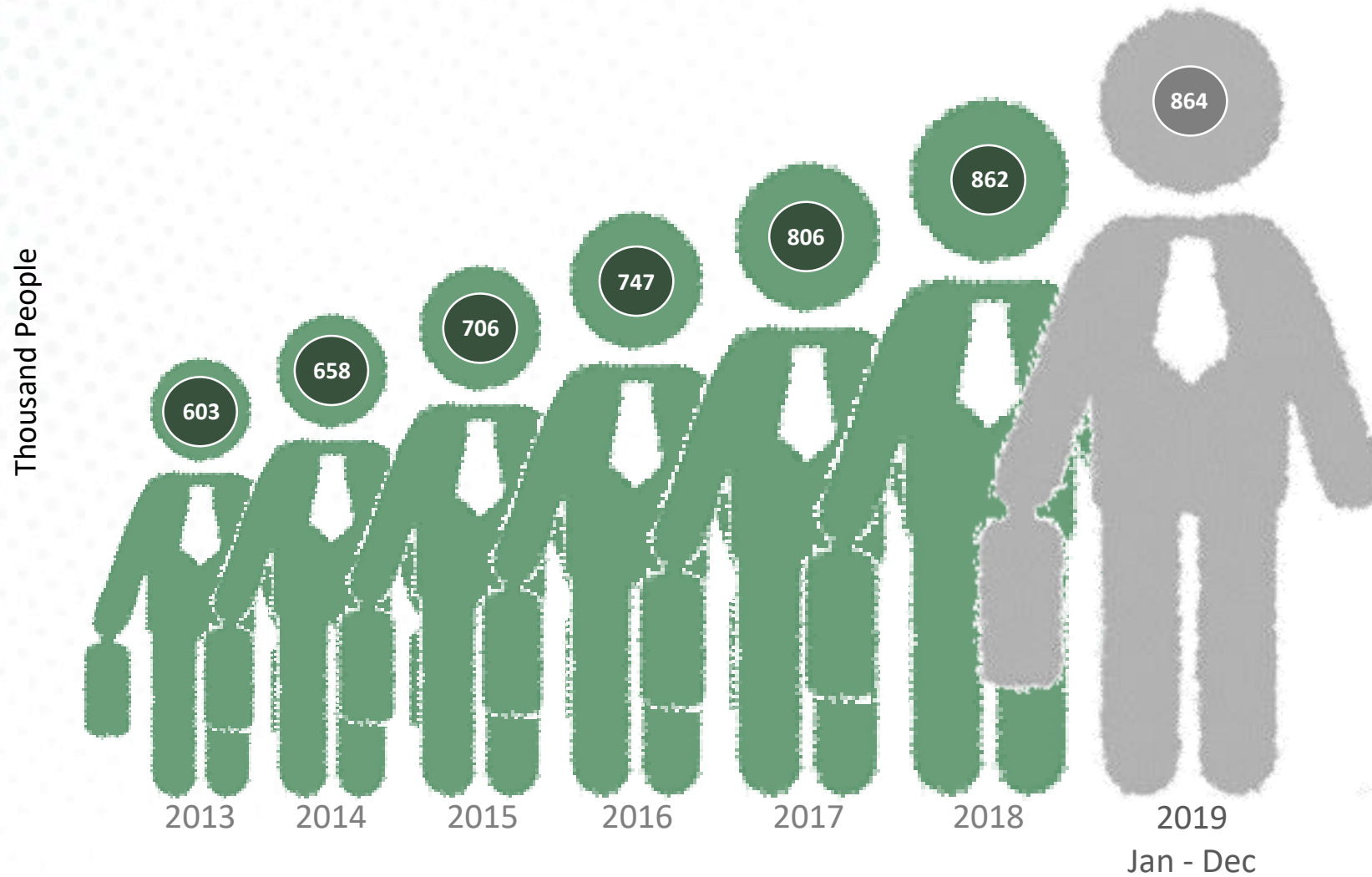
5.- Main Auto Parts Imported by Mexico, Jan – Dec 2019

(millones de dólares)

|  | Auto Parts | 2019* | Share (%) |
|---|---|---------------|-------------|
| | Stamped parts and accessories of bodies | 3,155 | 5.7% |
| | Engines and its parts | 2,823 | 5.1% |
|  | Components for gearboxes | 2,657 | 4.8% |
| | Components for harnesses | 2,380 | 4.3% |
|  | Components for reproduction devices (audio/video) | 2,103 | 3.8% |
| | Components for brakes | 1,827 | 3.3% |
|  | Components for differential axles | 1,716 | 3.1% |
| | Components of seats for vehicles | 1,550 | 2.8% |
| | Components for steering systems | 1,495 | 2.7% |
|  | Components for air bags | 1,384 | 2.5% |
| | Total | 55,358 | 100% |

Source: INA with information from IHS Markit

6.- Employment in the Auto Parts Sector, Jan - Dec 2019



Source: System information: Monthly Survey of Manufacturing Industry (EMIM) INEGI

INDUSTRIA NACIONAL DE AUTOPARTES: INA

PRODUCTION VALUE OF AUTO PARTS PER SYSTEM AND PRODUCT (THOUSANDS OF DOLLARS)

| SYSTEM / PRODUCT | DECEMBER | | VAR. (%) | ACCUMULATED | | VAR. (%) | Market Share % |
|--|------------------|------------------|--------------|-------------------|-------------------|--------------|----------------|
| | 2018 | 2019 | | 2018 | 2019 | | |
| Oils, Lubricants & Fluids Automotive | 69,397 | 70,643 | 1.8 | 879,225 | 840,989 | -4.3 | 0.9 |
| Automotive Lubricating Oils | 35,528 | 35,536 | 0.0 | 442,731 | 445,530 | 0.6 | 0.5 |
| Diesel Engine Lubricating Oils | 18,393 | 17,881 | -2.8 | 214,069 | 213,005 | -0.5 | 0.2 |
| Automotive Greases | 1,338 | 1,204 | -10.0 | 19,652 | 17,428 | -11.3 | 0.0 |
| Lubricating oil additives for automotive use | 3,135 | 1,494 | -52.3 | 56,403 | 27,040 | -52.1 | 0.0 |
| Gas Additive | 1,701 | 1,900 | 11.7 | 23,232 | 20,413 | -12.1 | 0.0 |
| Brake Fluid | 858 | 653 | -23.9 | 18,008 | 11,158 | -38.0 | 0.0 |
| Antifreeze liquid | 2,625 | 2,570 | -2.1 | 30,321 | 27,043 | -10.8 | 0.0 |
| Using Other Automotive Products | 5,820 | 9,406 | 61.6 | 74,810 | 79,372 | 6.1 | 0.1 |
| Automotive and Tire | 77,848 | 63,720 | -18.1 | 1,270,780 | 1,302,191 | 2.5 | 1.3 |
| Steel-belted radial | 43,946 | 45,097 | 2.6 | 810,089 | 928,629 | 14.6 | 0.9 |
| Light Truck Tires | 32,128 | 17,315 | -46.1 | 414,768 | 343,534 | -17.2 | 0.4 |
| Byproducts, Waste and Byproducts | 1,774 | 1,308 | -26.3 | 45,923 | 30,027 | -34.6 | 0.0 |
| Automotive Rubber Products | 99,522 | 115,336 | 15.9 | 1,402,587 | 1,587,961 | 13.2 | 1.6 |
| Rubber Hoses Automotive Use | 9,393 | 15,541 | 65.4 | 161,959 | 209,171 | 29.2 | 0.2 |
| Packaging | 32,258 | 34,036 | 5.5 | 438,429 | 545,651 | 24.5 | 0.6 |
| Hoses | 17,380 | 20,187 | 16.1 | 261,652 | 228,843 | -12.5 | 0.2 |
| Other items for the Automotive Industry | 26,753 | 28,804 | 7.7 | 344,045 | 399,192 | 16.0 | 0.4 |
| Repair Material Tire & Renovation: Floors | 13,737 | 16,769 | 22.1 | 196,502 | 205,106 | 4.4 | 0.2 |
| Accessories and parts for automobiles | 419,177 | 473,002 | 12.8 | 5,595,125 | 6,326,236 | 13.1 | 6.5 |
| Consoles | 133,864 | 145,875 | 9.0 | 1,802,744 | 2,083,013 | 15.5 | 2.1 |
| Cthers | 193,572 | 224,870 | 16.2 | 2,545,072 | 2,960,165 | 16.3 | 3.0 |
| Byproducts, Waste and Byproducts | 65,456 | 51,397 | -21.5 | 892,720 | 703,508 | -21.2 | 0.7 |
| Parts and Plastic Parts Automotive Use | 26,284 | 50,859 | 93.5 | 354,588 | 579,550 | 63.4 | 0.6 |
| Glass, Automotive Glass & Windshield | 51,655 | 77,863 | 50.7 | 640,484 | 890,101 | 39.0 | 0.9 |
| Shatterproof tempered glass or for the Automotive Industry | 0 | 0 | - | 6,782 | 0 | -100.0 | 0.0 |
| Windshield | 24,953 | 39,821 | 59.6 | 312,439 | 452,398 | 44.8 | 0.5 |
| Medallions | 9,966 | 9,910 | -0.6 | 92,795 | 105,562 | 13.8 | 0.1 |
| Side glass | 16,736 | 28,132 | 68.1 | 228,468 | 332,142 | 45.4 | 0.3 |
| Electrical Parts | 1,761,866 | 1,632,782 | -7.3 | 21,937,479 | 21,681,351 | -1.2 | 22.2 |
| Insulated Wires and Cables for Automotive Harnesses | 57,343 | 39,957 | -30.3 | 760,146 | 534,099 | -29.7 | 0.5 |
| Lighthouses | 274,598 | 205,531 | -25.2 | 3,325,251 | 2,950,840 | -11.3 | 3.0 |
| Alternators | 76,720 | 59,202 | -22.8 | 980,147 | 827,547 | -15.6 | 0.8 |
| Automotive Electrical Harnesses | 350,555 | 352,387 | 0.5 | 4,389,783 | 4,454,468 | 1.5 | 4.6 |
| Drivers | 0 | 0 | - | 177,821 | 0 | -100.0 | 0.0 |
| Wiper Blades | 43,589 | 22,963 | -47.3 | 542,474 | 402,564 | -25.8 | 0.4 |
| Bodies | 134,906 | 157,620 | 16.8 | 1,789,775 | 2,008,576 | 12.2 | 2.1 |
| Open Box metal body Truck Load Dump | 829 | 490 | -40.9 | 7,734 | 6,620 | -14.4 | 0.0 |
| Open Box metal body Truck Refrigerated Cargo | 1,418 | 2,051 | 44.6 | 18,061 | 18,638 | 3.2 | 0.0 |
| Open Box metal body Truck Load Dry Box | 12,528 | 21,373 | 70.6 | 96,806 | 160,319 | 65.6 | 0.2 |
| Trailer metal body and semitrailers | 4,725 | 3,944 | -16.5 | 90,084 | 120,887 | 34.2 | 0.1 |
| Metal body and Semi Trailer Tank | 4,100 | 11,220 | 173.6 | 59,501 | 117,763 | 97.9 | 0.1 |
| Cages | 989 | 1,682 | 70.0 | 12,663 | 16,217 | 28.1 | 0.0 |
| Metallic Bodies Dump Trailers and Semitrailers | 3,969 | 1,678 | -57.7 | 36,778 | 34,462 | -6.3 | 0.0 |
| Metallic bodies for trailers and semi-Hoppers | 2,196 | 1,104 | -49.7 | 29,377 | 23,083 | -21.4 | 0.0 |
| Metal body and semi-trailers Trailer Dollies | 1,627 | 2,291 | 40.8 | 32,962 | 30,600 | -7.2 | 0.0 |
| Steel Truck Bodies Passenger Urban Service | 28,864 | 20,399 | -29.3 | 228,645 | 285,820 | 25.0 | 0.3 |
| Chassis and Racks for trailers | 0 | 0 | - | 764 | 0 | -100.0 | 0.0 |
| Chassis and Racks Parts and Bodywork | 54,835 | 38,619 | -29.6 | 927,834 | 842,462 | -9.2 | 0.9 |
| Byproducts, Waste and Byproducts | 18,823 | 52,768 | 180.3 | 248,565 | 351,705 | 41.5 | 0.4 |
| Gasoline Engines | 463,888 | 411,748 | -11.2 | 7,041,561 | 6,559,528 | -6.8 | 6.7 |
| Engine Vehicle Gasoline 4 to 8 cylinders | 463,888 | 411,748 | -11.2 | 7,041,561 | 6,559,528 | -6.8 | 6.7 |
| Diesel Engines | 180,895 | 149,588 | -17.3 | 2,759,759 | 2,438,975 | -11.6 | 2.5 |
| Of more than 100 to 400 c.f. | 180,895 | 149,588 | -17.3 | 2,759,759 | 2,438,975 | -11.6 | 2.5 |
| Engine parts | 516,044 | 527,938 | 2.3 | 7,300,966 | 7,487,102 | 2.5 | 7.7 |
| Cabezas | 87,838 | 84,081 | -4.3 | 1,301,954 | 1,045,232 | -19.7 | 1.1 |
| Monoblocks | 95,008 | 83,678 | -11.9 | 1,246,422 | 1,237,263 | -0.7 | 1.3 |
| Crankshafts | 5,885 | 13,365 | 127.1 | 73,024 | 179,808 | 146.2 | 0.2 |
| Pistons | 44,079 | 42,609 | -3.3 | 627,677 | 578,072 | -7.9 | 0.6 |
| Water Pumps | 0 | 0 | - | 9,853 | 0 | -100.0 | 0.0 |
| Byproducts, Waste and Byproducts | 181,590 | 213,551 | 17.6 | 2,634,420 | 3,086,941 | 17.2 | 3.2 |
| Catalytic Converter | 39,505 | 30,069 | -23.9 | 515,697 | 531,609 | 3.1 | 0.5 |
| Oil Filters | 11,245 | 10,007 | -11.0 | 143,131 | 136,992 | -4.3 | 0.1 |
| Air Filters | 30,283 | 27,574 | -8.9 | 394,104 | 377,031 | -4.3 | 0.4 |
| Transmissions, Clutches & Parts | 606,774 | 619,112 | 2.0 | 9,628,927 | 8,948,614 | -7.1 | 9.1 |
| Transmissions for Heavy & Light Duty | 283,760 | 295,519 | 4.1 | 4,502,473 | 4,025,234 | -10.6 | 4.1 |
| Byproducts, Waste and Byproducts | 323,014 | 323,593 | 0.2 | 5,126,454 | 4,923,380 | -4.0 | 5.0 |
| Suspension, Steering & Parts | 297,088 | 317,160 | 6.8 | 4,183,070 | 4,749,345 | 13.5 | 4.9 |
| Shocks | 25,681 | 60,736 | 136.5 | 363,225 | 843,237 | 132.2 | 0.9 |
| Springs and leaves for springs | 61,509 | 41,412 | -32.7 | 847,202 | 765,674 | -9.6 | 0.8 |
| Byproducts, Waste and Byproducts | 209,898 | 215,012 | 2.4 | 2,972,643 | 3,140,434 | 5.6 | 3.2 |
| Brakes and Parts | 196,685 | 170,005 | -13.6 | 2,402,425 | 2,257,455 | -6.0 | 2.3 |
| Discs | 0 | 0 | - | 0 | 0 | - | 0.0 |
| Drums | 0 | 0 | - | 4,442 | 0 | -100.0 | 0.0 |
| Brake Pads | 48,087 | 40,097 | -16.6 | 555,384 | 497,010 | -10.5 | 0.5 |
| Byproducts, Waste and Byproducts | 148,599 | 129,908 | -12.6 | 1,842,599 | 1,760,446 | -4.5 | 1.8 |

| SYSTEM / PRODUCT | DECEMBER | | VAR. (%) | ACCUMULATED | | VAR. (%) | Market Share % |
|---|------------------|------------------|--------------|-------------------|-------------------|--------------|----------------|
| | 2018 | 2019 | | 2018 | 2019 | | |
| Carpets & Seats Automotive | 688,793 | 566,107 | -17.8 | 9,345,528 | 8,059,399 | -13.8 | 8.2 |
| Seats for Cars and Trucks | 151,572 | 237,344 | 56.6 | 2,000,973 | 3,145,076 | 57.2 | 3.2 |
| To awning | 89,380 | 44,553 | -50.2 | 1,223,339 | 624,112 | -49.0 | 0.6 |
| Carpets | 50,108 | 21,382 | -57.3 | 696,030 | 360,686 | -48.2 | 0.4 |
| Byproducts, Waste and Byproducts | 397,732 | 262,828 | -33.9 | 5,425,186 | 3,929,525 | -27.6 | 4.0 |
| Stampings and Parts | 268,451 | 303,962 | 13.2 | 4,197,168 | 4,439,510 | 5.8 | 4.5 |
| Defenses | 12,923 | 29,357 | 127.2 | 286,708 | 411,211 | 43.4 | 0.4 |
| Fenders and Wickets | 0 | 0 | - | 0 | 0 | - | 0.0 |
| Brackets | 45,097 | 44,799 | -0.7 | 724,439 | 780,840 | 7.8 | 0.8 |
| Beams, beams and panels | 10,769 | 12,960 | 20.3 | 213,208 | 251,577 | 18.0 | 0.3 |
| Byproducts, Waste and Byproducts | 199,661 | 216,846 | 8.6 | 2,972,813 | 2,995,883 | 0.8 | 3.1 |
| Cooling | 19,983 | 15,365 | -23.1 | 277,886 | 239,784 | -13.7 | 0.2 |
| Radiators | 19,983 | 15,365 | -23.1 | 277,886 | 239,784 | -13.7 | 0.2 |
| Other | 1,140,714 | 1,277,119 | 12.0 | 16,480,276 | 18,017,317 | 9.3 | 18.4 |
| Canvas and Related Covers for Trucks | 107 | 105 | -2.1 | 2,825 | 1,478 | -47.7 | 0.0 |
| Canvas and Related Covers for Trailers | 0 | 0 | - | 0 | 0 | - | 0.0 |
| Bolts, studs and Cock for the Automotive Industry, Construction and Oil | 4,409 | 5,295 | 20.1 | 66,060 | 68,880 | 4.3 | 0.1 |
| Car Alloy Wheels | 0 | 0 | - | 0 | 0 | - | 0.0 |
| Exhaust Systems | 112,592 | 123,460 | 9.7 | 1,694,222 | 1,742,619 | 2.9 | 1.8 |
| Belts | 0 | 0 | - | 0 | 0 | - | 0.0 |
| Mirrors and front | 24,484 | 23,222 | -5.2 | 375,553 | 407,918 | 8.6 | 0.4 |
| Fuel Tank | 24,672 | 27,038 | 9.6 | 381,160 | 401,793 | 5.4 | 0.4 |
| Plates and Locks | 31,698 | 37,978 | 19.8 | 587,626 | 595,319 | 1.3 | 0.6 |
| For air conditioning and heating | 26,046 | 21,970 | -15.6 | 410,788 | 383,014 | -6.8 | 0.4 |
| Byproducts, Waste and Byproducts | 916,706 | 1,038,051 | 13.2 | 12,962,043 | 14,416,296 | 11.2 | 14.7 |
| TOTAL PRODUCTION | 6,993,686 | 6,949,070 | -0.6% | 97,133,021 | 97,834,435 | 0.7 | 100.0 |

Source: System information: Monthly Survey of Manufacturing Industry (EMIM) INEGI. Maquila includes
Product information: Methodology INA with data from EMIM.

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