

Global Light Vehicle Powertrain Summary

January 2019

Engines

Global Production of On-Highway, Light-Duty Engines, by Diesel and Configuration								
	2019	2020	2021	2022	2023	2024	2025	2026
≤3 Cylinders	517,710	454,212	552,260	692,520	809,832	751,673	742,280	729,619
4 Cylinders	15,020,907	14,206,400	13,864,905	13,850,783	13,676,544	13,521,737	13,348,731	13,256,993
5 Cylinders	111,567	73,618	58,334	24,817	196	437	437	377
6 Cylinders	851,146	907,183	911,029	872,458	900,093	923,312	853,744	919,232
8 Cylinders	436,547	458,248	438,333	449,827	460,730	449,099	437,666	395,570
≥10 Cylinders	-	-	-	-	-	-	-	-

Source: IHS Markit © 2018 IHS Markit

Global Production of On-Highway, Light-Duty Engines, by Gasoline and Configuration								
	2019	2020	2021	2022	2023	2024	2025	2026
≤3 Cylinders	12,513,297	15,893,487	18,638,098	20,395,887	23,496,673	26,103,928	28,616,516	30,172,103
4 Cylinders	54,228,285	53,024,013	52,274,368	52,101,730	50,423,077	49,378,661	47,907,922	47,174,260
5 Cylinders	11,742	7,806	10,932	14,578	14,276	13,814	11,535	10,322
6 Cylinders	6,339,968	6,049,352	6,229,797	6,265,233	6,017,637	5,904,729	5,666,879	5,308,618
8 Cylinders	2,583,444	2,381,686	2,328,118	2,250,094	2,239,963	2,163,432	2,206,938	2,143,761
≥10 Cylinders	76,059	24,418	25,471	25,814	25,018	25,632	24,587	23,339

Source: IHS Markit © 2018 IHS Markit

Global Production of On-Highway, Light-Duty Engines, by Electricity and Configuration								
	2019	2020	2021	2022	2023	2024	2025	2026
0 Cylinders	2,143,958	2,873,282	3,932,282	5,040,012	6,190,649	7,309,295	8,589,635	9,671,939

Source: IHS Markit © 2018 IHS Markit

Global Production of On-Highway, Light-Duty Engines, by Region								
	2019	2020	2021	2022	2023	2024	2025	2026
Europe	23,323,921	23,593,220	24,035,466	24,550,438	24,970,170	25,310,836	25,769,859	26,189,744
Greater China	27,719,007	29,145,571	30,382,495	31,404,326	32,363,006	33,100,262	33,808,708	34,399,817
Japan/Korea	15,675,156	14,922,986	14,983,975	15,228,034	15,456,265	15,644,253	15,701,291	15,574,886
Middle East/Africa	911,728	999,990	1,113,485	1,237,839	1,329,568	1,258,919	1,065,808	1,018,878
North America	15,205,505	15,270,387	15,391,629	15,331,929	15,261,858	15,381,029	15,540,883	15,670,728
South America	2,835,881	2,900,798	3,083,567	3,263,692	3,434,544	3,539,534	3,587,936	3,629,326
South Asia	9,452,704	9,668,967	10,414,270	11,103,199	11,584,231	12,462,255	13,097,780	13,487,862

Source: IHS Markit © 2018 IHS Markit

Transmissions

Global Production of On-Highway, Light-Duty Transmissions, by Diesel and Design								
	2019	2020	2021	2022	2023	2024	2025	2026
Manual 5-speed and below	4,435,290	3,394,135	3,237,919	3,189,216	3,173,143	3,102,728	3,159,918	3,158,139
Manual 6-speed and above	5,502,939	5,693,413	5,527,726	5,437,395	5,141,093	4,942,004	4,677,845	4,546,222
Automatic 6-speed and below	2,124,909	1,817,201	1,804,220	1,800,913	1,853,055	1,786,276	1,701,574	1,676,397
Automatic 7-speed and above	2,990,823	3,393,107	3,395,502	3,467,352	3,617,883	3,702,750	3,677,870	3,679,434
Dual Clutch (DCT) 6-speed and below	229,914	148,776	75,523	48,448	33,450	21,287	33,822	32,621
Dual Clutch (DCT) 7-speed and above	1,349,202	1,444,732	1,587,620	1,746,808	1,871,875	1,937,936	1,981,604	2,071,579
CVTs – All	80,206	58,372	33,746	21,491	18,889	18,124	15,576	13,659
Automated Manuals (AMT) - All	224,594	149,925	162,605	178,782	138,007	135,153	134,649	123,740

Source: IHS Markit © 2018 IHS Markit

Global Production of On-Highway, Light-Duty Transmissions, by Gasoline and Design

	2019	2020	2021	2022	2023	2024	2025	2026
Manual 5-speed and below	14,025,944	12,996,294	12,356,439	11,917,769	11,337,360	10,947,960	10,504,424	10,181,272
Manual 6-speed and above	6,987,418	8,032,562	8,837,957	9,238,875	9,305,877	9,384,421	9,742,813	10,139,702
Automatic 6-speed and below	13,114,989	9,726,702	8,664,587	8,356,682	7,731,508	7,178,898	6,643,182	5,956,846
Automatic 7-speed and above	13,488,340	15,950,905	17,322,971	17,640,168	17,999,583	18,479,458	18,641,348	18,526,159
Dual Clutch (DCT) 6-speed and below	1,635,978	1,508,723	1,502,478	1,361,347	1,361,115	1,454,143	1,490,613	1,548,367
Dual Clutch (DCT) 7-speed and above	8,321,422	9,809,333	10,427,037	10,846,829	11,560,799	12,766,621	13,550,243	14,286,776
CVTs - All	14,635,631	15,076,406	14,985,423	15,253,474	15,811,124	15,807,636	15,526,410	15,394,199
EVTs - All	2,550,102	3,317,914	4,284,412	5,076,648	5,574,017	5,953,961	6,600,588	6,965,422
Automated Manuals (AMT) - All	846,635	794,890	819,922	863,655	815,934	801,311	878,622	893,810
Reduction - All	146,336	167,033	305,558	497,889	719,327	815,787	856,134	939,850

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Transmissions, by Electricity and Configuration

	2019	2020	2021	2022	2023	2024	2025	2026
Reduction	2,143,958	2,873,282	3,932,282	5,040,012	6,190,649	7,309,295	8,589,635	9,671,939

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Transmissions, by Region

	2019	2020	2021	2022	2023	2024	2025	2026
Europe	21,464,573	21,721,459	22,322,593	22,600,394	22,793,262	22,985,320	23,637,737	24,121,301
Greater China	23,583,356	25,142,551	25,936,049	26,865,325	27,636,257	28,746,518	29,857,773	30,750,940
Japan/Korea	24,582,621	23,741,239	24,294,419	24,996,408	25,649,350	26,191,814	26,077,677	25,752,460
Middle East/Africa	767,529	839,255	967,937	1,074,764	1,118,562	1,054,167	911,280	850,224
North America	14,500,733	14,434,692	14,652,855	14,828,460	14,975,146	14,958,767	14,981,954	14,972,926
South America	2,037,960	2,061,511	2,147,348	2,219,881	2,269,464	2,391,604	2,417,659	2,470,485
South Asia	8,187,130	8,561,212	9,083,686	9,534,225	9,957,601	10,368,898	10,688,185	11,052,905

Source: IHS Markit

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