

# Global Light Vehicle Powertrain Summary

July 2017

## Engines

Global Production of On-Highway, Light-Duty Engines, by Diesel and Configuration								
	2017	2018	2019	2020	2021	2022	2023	2024
≤3 Cylinders	593,278	606,516	589,431	726,327	845,469	909,482	1,009,437	1,032,156
4 Cylinders	16,919,107	17,008,917	17,030,317	16,831,808	16,666,935	16,626,499	16,582,235	16,489,933
5 Cylinders	199,347	162,627	153,008	141,273	119,440	55,347	42,476	43,087
6 Cylinders	792,706	891,348	1,016,968	984,272	963,677	934,925	902,542	918,364
8 Cylinders	455,838	426,415	437,540	436,481	404,674	390,838	410,527	397,098
≥10 Cylinders	-	-	-	-	-	-	-	-

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Engines, by Gasoline and Configuration								
	2017	2018	2019	2020	2021	2022	2023	2024
≤3 Cylinders	9,010,127	11,091,014	14,536,315	19,414,366	22,129,577	24,617,614	26,287,454	27,837,910
4 Cylinders	56,218,414	55,449,759	54,229,717	52,782,417	51,986,087	51,024,706	50,815,669	50,616,592
5 Cylinders	40,463	21,078	15,444	4,531	4,691	18,388	18,272	19,407
6 Cylinders	7,155,085	6,872,804	6,354,119	6,172,941	5,822,020	5,636,302	5,421,864	5,391,025
8 Cylinders	2,522,411	2,301,516	2,343,393	2,157,107	2,080,488	1,999,684	1,931,976	1,793,628
≥10 Cylinders	33,861	29,734	27,878	27,402	29,317	32,091	29,883	24,384

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Engines, by Electricity and Configuration								
	2017	2018	2019	2020	2021	2022	2023	2024
0 Cylinders	701,839	1,071,721	1,498,031	2,105,490	2,728,423	3,189,981	3,522,802	3,866,179

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Engines, by Region								
	2017	2018	2019	2020	2021	2022	2023	2024
Europe	24,170,784	24,647,503	25,001,464	25,414,968	25,800,337	26,028,140	26,323,226	26,363,087
Greater China	27,826,740	28,199,177	29,831,963	30,902,449	31,623,994	32,331,254	33,001,208	33,653,713
Japan/Korea	16,005,141	15,694,141	15,272,539	14,881,292	14,727,090	14,890,144	14,871,060	14,865,428
Middle East/Africa	1,332,151	1,333,454	1,203,486	1,142,086	1,175,029	1,128,748	1,072,950	1,092,174
North America	15,052,287	15,066,926	15,346,144	16,619,064	16,778,476	16,401,516	16,365,581	16,332,370
South America	2,382,640	2,611,665	2,639,146	2,896,270	3,061,529	3,468,972	3,648,526	3,809,219
South Asia	8,148,855	8,587,409	9,142,902	10,116,477	10,807,325	11,398,868	11,915,371	12,541,668

Source: IHS Markit

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## Transmissions

Global Production of On-Highway, Light-Duty Transmissions, by Diesel and Design								
	2017	2018	2019	2020	2021	2022	2023	2024
Manual 5-speed and below	5,676,358	5,365,761	5,029,267	4,738,390	4,617,379	4,654,926	4,752,736	4,768,534
Manual 6-speed and above	6,548,044	6,717,887	6,945,668	7,129,964	7,099,699	6,951,611	6,825,316	6,788,175
Automatic 6-speed and below	2,393,861	2,219,541	1,879,864	1,651,611	1,656,867	1,522,769	1,425,780	1,328,672
Automatic 7-speed and above	2,098,607	2,472,277	2,981,226	3,173,984	3,234,288	3,425,000	3,528,321	3,566,281
Dual Clutch (DCT) 6-speed and below	562,882	414,225	310,521	200,241	150,611	105,449	96,860	93,383
Dual Clutch (DCT) 7-speed and above	1,284,091	1,533,664	1,735,123	1,931,719	1,976,874	2,015,266	2,075,977	2,073,320
CVTs - All	167,237	161,177	149,578	109,615	79,092	54,096	49,301	45,910
Automated Manuals (AMT) - All	229,196	211,291	196,017	184,637	185,385	187,974	192,926	216,363

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Transmissions, by Gasoline and Design								
	2017	2018	2019	2020	2021	2022	2023	2024
Manual 5-speed and below	18,773,971	17,498,199	16,732,303	16,664,994	16,571,944	16,346,482	16,122,995	16,287,676
Manual 6-speed and above	6,730,575	7,300,137	7,806,454	8,285,742	8,744,213	9,448,619	9,838,231	9,943,033
Automatic 6-speed and below	19,313,057	16,075,439	12,111,848	8,783,017	7,584,477	6,395,614	5,860,663	5,117,431
Automatic 7-speed and above	8,042,354	10,787,472	13,646,358	16,846,717	17,806,452	18,492,041	18,806,867	19,130,997
Dual Clutch (DCT) 6-speed and below	1,764,452	1,720,815	1,701,986	1,899,944	1,915,587	2,176,737	2,409,406	2,568,029
Dual Clutch (DCT) 7-speed and above	5,204,160	6,568,890	8,061,504	8,894,801	9,584,216	9,725,657	10,208,141	10,884,091
CVTs - All	12,540,695	12,688,105	13,810,886	14,850,709	14,795,158	14,824,326	14,662,413	14,756,271
EVTs - All	1,814,566	2,135,323	2,560,842	3,259,619	3,926,734	4,646,510	5,257,758	5,566,010
Automated Manuals (AMT) - All	666,856	830,827	908,773	901,218	930,602	1,009,661	1,077,847	1,163,011
Reduction - All	129,675	160,698	165,912	172,003	192,797	263,138	260,797	266,397

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Transmissions, by Electricity and Configuration								
	2017	2018	2019	2020	2021	2022	2023	2024
Reduction	701,839	1,071,721	1,498,031	2,105,490	2,728,423	3,189,981	3,522,802	3,866,179

Source: IHS Markit

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Global Production of On-Highway, Light-Duty Transmissions, by Region								
	2017	2018	2019	2020	2021	2022	2023	2024
Europe	22,874,583	23,036,186	23,359,048	23,891,435	24,306,420	24,575,980	24,834,377	24,869,367
Greater China	23,715,406	24,288,053	26,317,702	27,394,601	28,378,921	29,067,308	29,607,183	30,465,906
Japan/Korea	23,787,266	23,188,093	22,380,669	22,752,133	22,648,250	22,593,958	22,609,051	22,577,958
Middle East/Africa	1,084,918	1,220,065	1,082,924	1,031,420	1,074,590	1,057,856	1,016,128	1,018,859
North America	14,677,737	14,886,095	15,280,915	16,004,446	16,250,898	16,454,402	16,586,666	16,367,773
South America	1,974,174	2,041,075	2,053,158	2,189,867	2,331,828	2,561,543	2,674,142	2,792,944
South Asia	6,804,514	7,480,708	7,963,228	8,708,704	8,982,873	9,336,595	9,870,375	10,564,852

Source: IHS Markit

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## IHS Markit Customer Care

CustomerCare@ihsmarkit.com

Americas: +1 800 IHS CARE (+1 800 447 2273)

Europe, Middle East, and Africa: +44 (0) 1344 328 300

Asia and the Pacific Rim: +604 291 3600

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