

### NEW CAR REGISTRATIONS BY FUEL TYPE, EUROPEAN UNION<sup>1</sup>

PRESS EMBARGO 8.00am CET (7.00am GMT), 1 February 2023

# Fuel types of new cars: battery electric 12.1%, hybrid 22.6% and petrol 36.4% market share full-year 2022





**In 2022,** registrations of new battery electric vehicles (BEVs) continued to grow, despite the overall decline of the EU car market. As a result, market share of BEVs expanded to 12.1%, a 3.0-percentage-point improvement compared to 2021. It was a strong year also for hybrid cars, which achieved a market share of 22.6%. By contrast, traditional petrol and diesel fuel-types continued to lose ground. However, combined, they still accounted for more than half of EU car sales in 2022.

## PETROL AND DIESEL CARS

Petrol car sales posted a 4.1% growth during the fourth quarter of 2022. All the four key markets contributed to this improvement, especially Italy (+17.4%) and France (+3.5%). Despite that, petrol's market share dropped to 32.5%, from 35.5% in the same period in 2021.

By contrast, diesel recorded a slight decline in the last three months of the year (-0.4%), while its market share fell to 14.4%, against 16.4% in the fourth quarter of 2021. As a result, full-year diesel car registrations went down by 19.7% to 1.5 million units, with a market share of 16.4% - 3.1 percentage points less than in 2021.

<sup>&</sup>lt;sup>1</sup> Data for Malta not available

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# ALTERNATIVELY-POWERED VEHICLES (APVs)

**From October to December,** EU registrations of new battery electric cars expanded by 31.6% to 406,890 units, as most of the region's markets recorded growth. Germany led the way with 198,293 units and an increase of 66.1%, followed by France which increased by 12.6% to 62,155 units. After a weak third quarter, EU plug-in hybrid car sales saw a strong rise (+29.5%) in the last quarter of 2022, bolstered by a 73.5% increase in Germany, which alone represented more than half of the region's registrations in this category. This helped the full-year result to move into positive territory, with a 1.2% growth.

Hybrid electric vehicles (HEVs) totalled 545,316 units registered in the EU from October to December last year (an increase of 22.2% compared to the same period in 2021), making them the second best-selling fuel type. This led to an overall increase of 8.6% over the full year, and a market share of 22.6%.

The EU market for natural gas vehicles (NGVs) witnessed substantial declines during the last three months of 2022 (-56.6%), as sales Italy – the region's largest market for this fuel type – plunged by 71.3%. LPG-fuelled vehicles<sup>2</sup>, on the other hand, grew by 16.7% from October to December last year.

Alternatively-powered vehicles (APVs) accounted for more than a half (53.1%) of the EU car market during the last quarter of the year, with over 1.3 million cars registered in total. On a quarterly basis, this is the first time that APVs surpass traditional petrol and diesel fuel-types.



<sup>&</sup>lt;sup>2</sup> Including LPG, ethanol (E85) and other fuels

# BATTERY ELECTRIC VEHICLES (BEV)<sup>1</sup>

EUROPEAN UNION + EFTA + UK

	Q4			Q1-Q4			
	Units		% change	Units		% change	
	2022	2021	22/21	2022	2021	22/21	
Austria	10,061	9,237	+8.9	34,179	33,380	+2.4	
Belgium	11,783	7,381	+59.6	37,638	22,677	+66.0	
Bulgaria <sup>2</sup>	325	190	+71.1	1,002	433	+131.4	
Croatia	407	613	-33.6	1,369	1,351	+1.3	
Cyprus	108	14	+671.4	403	84	+379.8	
Czech Republic	1,025	830	+23.5	3,895	2,655	+46.7	
Denmark	11,290	9,986	+13.1	30,855	24,998	+23.4	
Estonia <sup>2</sup>	202	121	+66.9	731	484	+51.0	
Finland	4,665	3,730	+25.1	14,530	10,153	+43.1	
France	62,155	55,222	+12.6	203,122	162,167	+25.3	
Germany	198,293	119,368	+66.1	471,394	356,425	+32.3	
Greece	834	687	+21.4	2,827	2,176	+29.9	
Hungary	1,273	1,985	-35.9	4,710	4,312	+9.2	
Ireland	1,168	827	+41.2	15,678	8,646	+81.3	
Italy	13,304	20,206	-34.2	49,179	67,284	-26.9	
Latvia <sup>2</sup>	368	123	+199.2	1,068	414	+158.0	
Lithuania	384	573	-33.0	1,358	1,158	+17.3	
Luxembourg	1,811	1,557	+16.3	6,393	4,650	+37.5	
Netherlands	27,015	33,877	-20.3	73,394	63,780	+15.1	
Poland	3,382	3,071	+10.1	11,334	7,166	+58.2	
Portugal	5,625	5,421	+3.8	17,817	13,260	+34.4	
Romania	3,919	4,428	-11.5	11,638	6,342	+83.5	
Slovakia	399	390	+2.3	1,391	1,105	+25.9	
Slovenia	642	589	+9.0	2,293	1,723	+33.1	
Spain	9,439	8,656	+9.0	30,545	23,689	+28.9	
Sweden	37,013	20,085	+84.3	95,035	57,473	+65.4	
EUROPEAN UNION	406,890	309,167	+31.6	1,123,778	877,985	+28.0	
EU14	394,456	296,240	+33.2	1,082,586	850,758	+27.2	
EU12	12,434	12,927	-3.8	41,192	27,227	+51.3	
Iceland	1,934	1,206	+60.4	5,566	3,565	+56.1	
Norway	58,356	33,193	+75.8	138,287	113,751	+21.6	
Switzerland	13,665	11,410	+19.8	40,245	31,889	+26.2	
EFTA	73,955	45,809	+61.4	184,098	149,205	+23.4	
United Kingdom	91,589	65,586	+39.6	267,203	190,727	+40.1	
EU + EFTA + UK	572,434	420,562	+36.1	1,575,079	1,217,917	+29.3	
EU14 + EFTA + UK	560,000	407,635	+37.4	<b>1,533,887</b>	1,190,690	+28.8	

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>2</sup> Estimates

<sup>&</sup>lt;sup>1</sup> Includes fuel cell electric vehicles (FCEV)

# PLUG-IN HYBRID ELECTRIC VEHICLES (PHEV)<sup>1</sup>

EUROPEAN UNION + EFTA + UK

	Q4			Q1-Q4			
	Units		% change	Uni	ts	% change	
	2022	2021	22/21	2022	2021	22/21	
Austria	3,829	3,286	+16.5	13,268	14,626	-9.3	
Belgium	16,166	10,452	+54.7	59,281	47,753	+24.1	
Bulgaria <sup>2</sup>	40	27	+48.1	141	117	+20.5	
Croatia	256	124	+106.5	836	399	+109.5	
Cyprus	73	14	+421.4	228	98	+132.7	
Czech Republic	1,125	757	+48.6	3,560	3,736	-4.7	
Denmark	7,494	12,425	-39.7	26,442	40,476	-34.7	
Estonia <sup>2</sup>	67	62	+8.1	426	239	+78.2	
Finland	3,785	4,157	-8.9	16,171	20,140	-19.7	
France	37,992	39,175	-3.0	126,547	141,001	-10.3	
Germany	146,446	84,385	+73.5	362,093	325,449	+11.3	
Greece	1,573	1,475	+6.6	5,493	4,785	+14.8	
Hungary	1,305	1,032	+26.5	4,874	4,236	+15.1	
Ireland	240	439	-45.3	7,678	7,891	-2.7	
Italy	17,133	16,852	+1.7	65,580	69,834	-6.1	
Latvia <sup>2</sup>	82	40	+105.0	301	137	+119.7	
Lithuania	143	134	+6.7	666	400	+66.5	
Luxembourg	923	964	-4.3	3,847	4,443	-13.4	
Netherlands	8,236	7,578	+8.7	34,512	30,991	+11.4	
Poland	2,375	2,405	-1.2	9,664	9,138	+5.8	
Portugal	4,744	4,086	+16.1	16,026	15,660	+2.3	
Romania	0	0		0	0		
Slovakia	505	336	+50.3	1,556	1,166	+33.4	
Slovenia	142	78	+82.1	590	308	+91.6	
Spain	13,422	13,421	+0.0	47,788	43,227	+10.6	
Sweden	19,268	18,247	+5.6	66,614	77,853	-14.4	
EUROPEAN UNION	287,364	221,951	+29.5	874,182	864,103	+1.2	
EU14	281,251	216,942	+29.6	851,340	844,129	+0.9	
EU12	6,113	5,009	+22.0	22,842	19,974	+14.4	
Iceland	586	1,094	-46.4	3,752	3,422	+9.6	
Norway	5,802	9,586	-39.5	16,124	38,167	-57.8	
Switzerland	4,711	5,993	-21.4	18,355	21,790	-15.8	
EFTA	11,099	16,673	-33.4	38,231	63,379	-39.7	
United Kingdom	27,453	27,514	-0.2	101,414	114,554	-11.5	
EU + EFTA + UK	325,916	266,138	+22.5	1,013,827	1,042,036	-2.7	
EU14 + EFTA + UK	319,803	261,129	+22.5	990,985	1,022,062	-3.0	

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>2</sup> Estimates

<sup>&</sup>lt;sup>1</sup> Includes extended-range electric vehicle (EREV)

### HYBRID ELECTRIC VEHICLES (HEV)<sup>1</sup> EUROPEAN UNION + EFTA + UK

	Q4			Q1-Q4			
	Units		% change	Units		% change	
	2022	2021	22/21	2022	2021	22/21	
Austria	10,373	9,144	+13.4	40,858	41,970	-2.6	
Belgium	6,087	4,054	+50.1	27,472	19,580	+40.3	
Bulgaria <sup>2</sup>	154	169	-8.9	713	662	+7.7	
Croatia	1,693	1,377	+22.9	8,174	6,440	+26.9	
Cyprus	773	562	+37.5	3,479	2,475	+40.6	
Czech Republic	7,200	6,192	+16.3	28,195	25,580	+10.2	
Denmark	5,836	6,672	-12.5	28,254	31,686	-10.8	
Estonia <sup>2</sup>	1,861	1,198	+55.3	7,189	6,321	+13.7	
Finland	5,480	5,149	+6.4	25,709	28,108	-8.5	
France	94,705	72,780	+30.1	332,669	289,837	+14.8	
Germany	120,525	95,131	+26.7	465,228	429,139	+8.4	
Greece	6,230	5,109	+21.9	29,019	23,382	+24.1	
Hungary	11,277	10,969	+2.8	42,499	48,145	-11.7	
Ireland	368	739	-50.2	21,252	19,247	+10.4	
Italy	119,439	93,990	+27.1	449,993	422,845	+6.4	
Latvia <sup>2</sup>	1,119	678	+65.0	4,347	3,228	+34.7	
Lithuania	1,038	704	+47.4	4,738	4,231	+12.0	
Luxembourg	2,091	1,461	+43.1	8,035	7,225	+11.2	
Netherlands	21,038	16,105	+30.6	77,888	71,539	+8.9	
Poland	33,546	31,389	+6.9	136,948	130,354	+5.1	
Portugal	5,617	4,416	+27.2	24,079	19,082	+26.2	
Romania <sup>3</sup>	8,729	7,877	+10.8	34,410	30,706	+12.1	
Slovakia	4,763	3,677	+29.5	17,355	15,148	+14.6	
Slovenia	1,210	1,437	-15.8	6,170	6,181	-0.2	
Spain	67,783	60,957	+11.2	239,471	219,426	+9.1	
Sweden	6,381	4,315	+47.9	25,509	22,195	+14.9	
EUROPEAN UNION	545,316	446,251	+22.2	2,089,653	1,924,732	+8.6	
EU14	471,953	380,022	+24.2	1,795,436	1,645,261	+9.1	
EU12	73,363	66,229	+10.8	294,217	279,471	+5.3	
Iceland	464	304	+52.6	2,989	2,272	+31.6	
Norway	4,485	1,734	+158.7	10,158	9,780	+3.9	
Switzerland	16,129	13,356	+20.8	56,107	52,181	+7.5	
EFTA	21,078	15,394	+36.9	69,254	64,233	+7.8	
United Kingdom	114,021	78,794	+44.7	479,992	444,024	+8.1	
EU + EFTA + UK	680,415	540,439	+25.9	2,638,899	2,432,989	+8.5	
EU14 + EFTA + UK	607,052	474,210	+28.0	2,344,682	2,153,518	+8.9	

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>1</sup> Includes full and mild hybrids

<sup>2</sup> Estimates

<sup>3</sup> Includes PHEVs

#### NATURAL GAS VEHICLES (NGV)

EUROPEAN UNION + EFTA + UK

	Q4			Q1-Q4			
	Units		% change	Units		% change	
	2022	2021	22/21	2022	2021	22/21	
Austria	7	4	+75.0	51	70	-27.1	
Belgium	58	175	-66.9	424	995	-57.4	
Bulgaria <sup>1</sup>	0	0		0	0		
Croatia	0	0		1	0		
Cyprus	0	0		1	0		
Czech Republic	119	242	-50.8	808	851	-5.1	
Denmark	0	0		0	0		
Estonia <sup>1</sup>	34	62	-45.2	288	466	-38.2	
Finland	197	138	+42.8	595	909	-34.5	
France	30	63	-52.4	109	172	-36.6	
Germany	363	654	-44.5	1,846	3,916	-52.9	
Greece	136	249	-45.4	674	1,333	-49.4	
Hungary <sup>2</sup>	2	4	-50.0	13	10	+30.0	
Ireland	0	0		140	0		
Italy	1,421	4,958	-71.3	10,720	31,418	-65.9	
Latvia <sup>1</sup>	5	6	-16.7	24	26	-7.7	
Lithuania	0	0		0	0		
Luxembourg	0	0		2	3	-33.3	
Netherlands <sup>2</sup>	7	1	+600.0	17	39	-56.4	
Poland <sup>2</sup>	0	0		0	6	-100.0	
Portugal	1	3	-66.7	9	31	-71.0	
Romania	0	0		0	0		
Slovakia	91	42	+116.7	291	234	+24.4	
Slovenia	0	0		0	0		
Spain	24	218	-89.0	404	1,145	-64.7	
Sweden	587	276	+112.7	1,881	1,496	+25.7	
EUROPEAN UNION	3,082	7,095	-56.6	18,298	43,120	-57.6	
EU14	2,831	6,739	-58.0	16,872	41,527	-59.4	
EU12	251	356	-29.5	1,426	1,593	-10.5	
Iceland	0	2	-100.0	0	4	-100.0	
Norway	0	0		0	0		
Switzerland <sup>2</sup>	35	96	-63.5	123	286	-57.0	
EFTA	35	98	-64.3	123	290	-57.6	
United Kingdom	0	0		0	0		
EU + EFTA + UK	3,117	7,193	-56.7	18,421	43,410	-57.6	
EU14 + EFTA + UK	2,866	6,837	-58.1	16,995	41,817	-59.4	

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>1</sup> Estimates <sup>2</sup>Includes biofuels

#### OTHER ALTERNATIVELY-POWERED VEHICLES<sup>1</sup>

EUROPEAN UNION + EFTA + UK

	Q4			Q1-Q4			
	Units		% change	Uni	ts	% change	
	2022	2021	22/21	2022	2021	22/21	
Austria	4	3	+33.3	12	16	-25.0	
Belgium	584	454	+28.6	2,460	2,092	+17.6	
Bulgaria <sup>2</sup>	0	0		0	0		
Croatia	256	510	-49.8	1,809	1,997	-9.4	
Cyprus	0	0		0	0		
Czech Republic	1,000	612	+63.4	3,966	2,259	+75.6	
Denmark	0	0		0	0		
Estonia <sup>2</sup>	0	0		0	0		
Finland	8	8	+0.0	27	12	+125.0	
France	14,919	13,098	+13.9	58,602	48,844	+20.0	
Germany	3,621	3,912	-7.4	15,078	10,169	+48.3	
Greece	810	742	+9.2	3,034	2,061	+47.2	
Hungary	187	235	-20.4	882	717	+23.0	
Ireland	0	0		0	0		
Italy	33,831	24,768	+36.6	118,023	106,833	+10.5	
Latvia <sup>2</sup>	80	71	+12.7	315	254	+24.0	
Lithuania	102	90	+13.3	373	318	+17.3	
Luxembourg	0	0		0	0		
Netherlands	728	718	+1.4	2,286	2,229	+2.6	
Poland	2,976	4,054	-26.6	12,247	13,522	-9.4	
Portugal	2,210	1,418	+55.9	5,429	3,524	+54.1	
Romania	3,549	4,520	-21.5	13,391	15,952	-16.1	
Slovakia	394	269	+46.5	1,407	954	+47.5	
Slovenia	101	145	-30.3	699	572	+22.2	
Spain	3,798	3,880	-2.1	14,526	12,895	+12.6	
Sweden	821	438	+87.4	2,892	1,141	+153.5	
EUROPEAN UNION	69,979	59,945	+16.7	257,458	226,361	+13.7	
EU14	61,334	49,439	+24.1	222,369	189,816	+17.1	
EU12	8,645	10,506	-17.7	35,089	36,545	-4.0	
Iceland	0	0		0	0		
Norway	0	0		0	0		
Switzerland	1	1	+0.0	3	3	+0.0	
EFTA	1	1	+0.0	3	3	+0.0	
United Kingdom	0	0		0	0		
EU + EFTA + UK	69,980	59,946	+16.7	257,461	226,364	+13.7	
EU14 + EFTA + UK	61,335	49,440	+24.1	222,372	189,819	+17.1	

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>2</sup> Estimates

<sup>&</sup>lt;sup>1</sup> Includes LPG, ethanol (E85) and other fuels

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## PRESS RELEASE

#### PRESS EMBARGO FOR ALL DATA 8.00am CET (7.00am GMT), 1 February 2023

#### PETROL

#### EUROPEAN UNION + EFTA + UK

		Q4			Q1-Q4	
	Units		% change	Units		% change
	2022	2021	22/21	2022	2021	22/21
Austria	16,496	16,390	+0.6	78,567	91,478	-14.1
Belgium	38,697	32,512	+19.0	179,056	199,072	-10.1
Bulgaria <sup>1</sup>	4,929	4,052	+21.6	21,064	17,816	+18.2
Croatia	3,829	3,753	+2.0	22,589	24,040	-6.0
Cyprus	1,487	1,166	+27.5	6,920	6,437	+7.5
Czech Republic	26,313	25,787	+2.0	106,578	122,115	-12.7
Denmark	11,913	12,678	-6.0	52,661	69,977	-24.7
Estonia <sup>1</sup>	2,312	1,780	+29.9	9,445	10,742	-12.1
Finland	3,494	5,353	-34.7	19,244	30,758	-37.4
France	150,369	145,257	+3.5	568,881	667,503	-14.8
Germany	203,864	203,333	+0.3	863,445	972,588	-11.2
Greece	8,940	7,927	+12.8	47,122	49,625	-5.0
Hungary	8,548	9,946	-14.1	44,282	45,485	-2.6
Ireland	1,197	1,105	+8.3	32,324	34,062	-5.1
Italy	91,671	78,084	+17.4	365,461	437,068	-16.4
Latvia <sup>1</sup>	1,666	1,242	+34.1	7,906	6,779	+16.6
Lithuania	2,552	2,709	-5.8	14,713	20,500	-28.2
Luxembourg	3,242	3,297	-1.7	14,581	16,857	-13.5
Netherlands	29,623	27,354	+8.3	119,402	146,821	-18.7
Poland	48,716	48,146	+1.2	203,083	231,980	-12.5
Portugal	17,302	11,857	+45.9	64,976	63,012	+3.1
Romania	13,589	12,192	+11.5	53,302	47,809	+11.5
Slovakia	11,176	9,309	+20.1	43,903	42,184	+4.1
Slovenia	5,514	6,501	-15.2	27,575	32,254	-14.5
Spain	84,190	83,853	+0.4	341,063	387,931	-12.1
Sweden	12,503	17,075	-26.8	63,010	92,485	-31.9
EUROPEAN UNION	804,132	772,658	+4.1	3,371,153	3,867,378	-12.8
EU14	673,501	646,075	+4.2	2,809,793	3,259,237	-13.8
EU12	130,631	126,583	+3.2	561,360	608,141	-7.7
Iceland	240	111	+116.2	1,989	1,952	+1.9
Norway	1,053	1,469	-28.3	4,333	7,485	-42.1
Switzerland	22,362	20,998	+6.5	84,815	99,916	-15.1
EFTA	23,655	22,578	+4.8	91,137	109,353	-16.7
United Kingdom	156,674	140,505	+11.5	682,473	762,103	-10.4
EU + EFTA + UK	984,461	935,741	+5.2	4,144,763	4,738,834	-12.5
EU14 + EFTA + UK	853,830	809,158	+5.5	3,583,403	4,130,693	-13.2
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SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>1</sup> Estimates

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## PRESS RELEASE

#### PRESS EMBARGO FOR ALL DATA 8.00am CET (7.00am GMT), 1 February 2023

#### DIESEL

#### EUROPEAN UNION + EFTA + UK

		Q4			Q1-Q4	
	Units		% change	Units		% change
	2022	2021	22/21	2022	2021	22/21
Austria	11,071	11,858	-6.6	48,115	58,263	-17.4
Belgium	11,438	14,528	-21.3	59,972	90,954	-34.1
Bulgaria <sup>1</sup>	1,261	1,062	+18.7	5,764	5,495	+4.9
Croatia	1,893	1,666	+13.6	9,150	11,571	-20.9
Cyprus	115	279	-58.8	596	1,530	-61.0
Czech Republic	11,406	10,508	+8.5	45,014	49,537	-9.1
Denmark	2,655	3,619	-26.6	10,111	18,205	-44.5
Estonia <sup>1</sup>	914	580	+57.6	3,492	4,084	-14.5
Finland	1,147	1,283	-10.6	5,418	8,397	-35.5
France	56,798	73,035	-22.2	239,105	349,479	-31.6
Germany	110,360	97,788	+12.9	472,274	524,446	-9.9
Greece	3,824	2,966	+28.9	17,114	17,549	-2.5
Hungary	3,166	3,196	-0.9	14,271	19,015	-24.9
Ireland	831	1,077	-22.8	28,181	35,086	-19.7
Italy	63,898	53,539	+19.3	257,965	323,037	-20.1
Latvia <sup>1</sup>	763	586	+30.2	2,852	3,272	-12.8
Lithuania	719	891	-19.3	3,696	4,847	-23.7
Luxembourg	1,963	2,082	-5.7	9,236	11,194	-17.5
Netherlands	796	896	-11.2	4,639	6,920	-33.0
Poland	12,074	10,304	+17.2	46,471	54,477	-14.7
Portugal	7,043	6,911	+1.9	27,968	32,068	-12.8
Romania	4,266	3,927	+8.6	16,587	20,394	-18.7
Slovakia	3,407	2,958	+15.2	12,938	14,909	-13.2
Slovenia	1,972	2,140	-7.9	9,012	12,950	-30.4
Spain	34,459	40,538	-15.0	139,599	171,164	-18.4
Sweden	6,874	8,187	-16.0	33,146	48,363	-31.5
EUROPEAN UNION	355,113	356,404	-0.4	1,522,686	1,897,206	-19.7
EU14	313,157	318,307	-1.6	1,352,843	1,695,125	-20.2
EU12	41,956	38,097	+10.1	169,843	202,081	-16.0
Iceland	336	275	+22.2	2,386	1,574	+51.6
Norway	1,872	1,438	+30.2	5,427	7,093	-23.5
Switzerland	6,425	6,554	-2.0	26,286	32,416	-18.9
EFTA	8,633	8,267	+4.4	34,099	41,083	-17.0
United Kingdom	15,958	18,168	-12.2	82,981	135,773	-38.9
EU + EFTA + UK	379,704	382,839	-0.8	1,639,766	2,074,062	-20.9
EU14 + EFTA + UK	337,748	344,742	-2.0	1,469,923	1,871,981	-21.5
COUDOE NATIONAL AUTOMODILE			NO			1 =

SOURCE: NATIONAL AUTOMOBILE MANUFACTURERS' ASSOCIATIONS

<sup>1</sup> Estimates