



# State of play of the recall actions related to NO<sub>x</sub> emissions

This overview is based on the information provided by the Member States, it may not be exhaustive.  
It provides a progress overview on the recall initiatives related to NO<sub>x</sub> emissions,  
as last updated on 19 August 2019.

**Data of the Volkswagen group by brand  
related to vehicles equipped with  
a VW EA189 diesel engine  
(1.2 L, 1.6 L or 2.0 L)**

# Voluntary and mandatory recall campaigns of VW group brands

Member State	Mandatory measures <sup>1</sup>	Voluntary measures <sup>2</sup>
AUSTRIA	VW, Audi, Seat, Škoda	
BELGIUM		VW, Audi, Seat, Škoda
BULGARIA		VW, Audi, Seat, Škoda
CROATIA		VW, Audi, Seat, Škoda
CYPRUS		VW, Audi, Seat, Škoda
CZECH REPUBLIC		VW, Audi, Seat, Škoda
DENMARK	VW, Audi, Seat, Škoda	
ESTONIA		Audi, Seat, Škoda
FINLAND <sup>3</sup>	VW, Audi	Seat, Škoda
FRANCE	VW, Audi, Seat, Škoda	
GERMANY	VW, Audi, Seat, Škoda	
GREECE		VW, Audi, Seat, Škoda
HUNGARY		VW, Audi, Seat, Škoda
IRELAND		VW, Audi, Seat, Škoda
ITALY		VW, Audi, Seat, Škoda
LITHUANIA		VW, Audi, Seat, Škoda
LUXEMBOURG		VW, Audi, Seat, Škoda
LATVIA		VW, Audi, Seat, Škoda
MALTA		VW, Audi, Seat, Škoda
NETHERLANDS	VW, Audi, Seat, Škoda	
POLAND		VW, Audi, Seat, Škoda
PORTUGAL	VW, Audi, Seat, Škoda	
ROMANIA		VW, Audi, Seat, Škoda
SLOVAKIA		VW, Audi, Seat, Škoda
SLOVENIA <sup>3</sup>	VW, Audi	Seat, Škoda
SPAIN		VW, Audi, Seat, Škoda
SWEDEN		VW, Audi, Seat, Škoda
UNITED KINGDOM		VW, Audi, Seat, Škoda

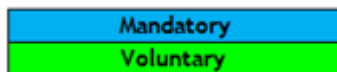
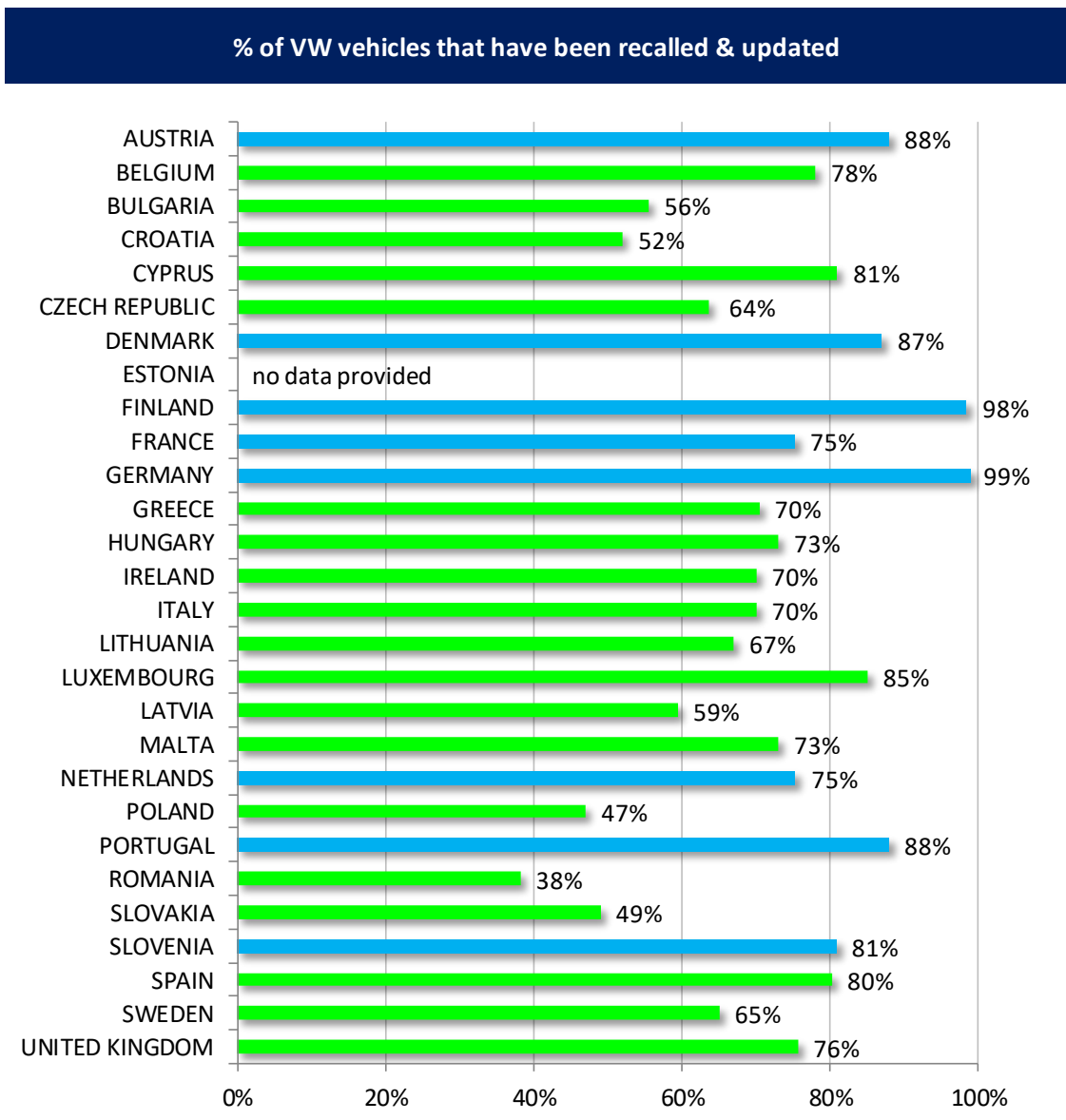
<sup>1</sup> A mandatory recall is a remedial measure, which is carried out under the control of the Member State (Type-Approval Authority).

<sup>2</sup> A voluntary recall action is a remedial measure, which is carried out under the control of the vehicle manufacturer and/or distributor.

<sup>3</sup> Whether a recall is mandatory or voluntary is decided by the Member State for each individual case.

# Volkswagen

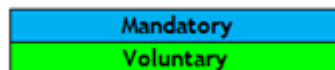
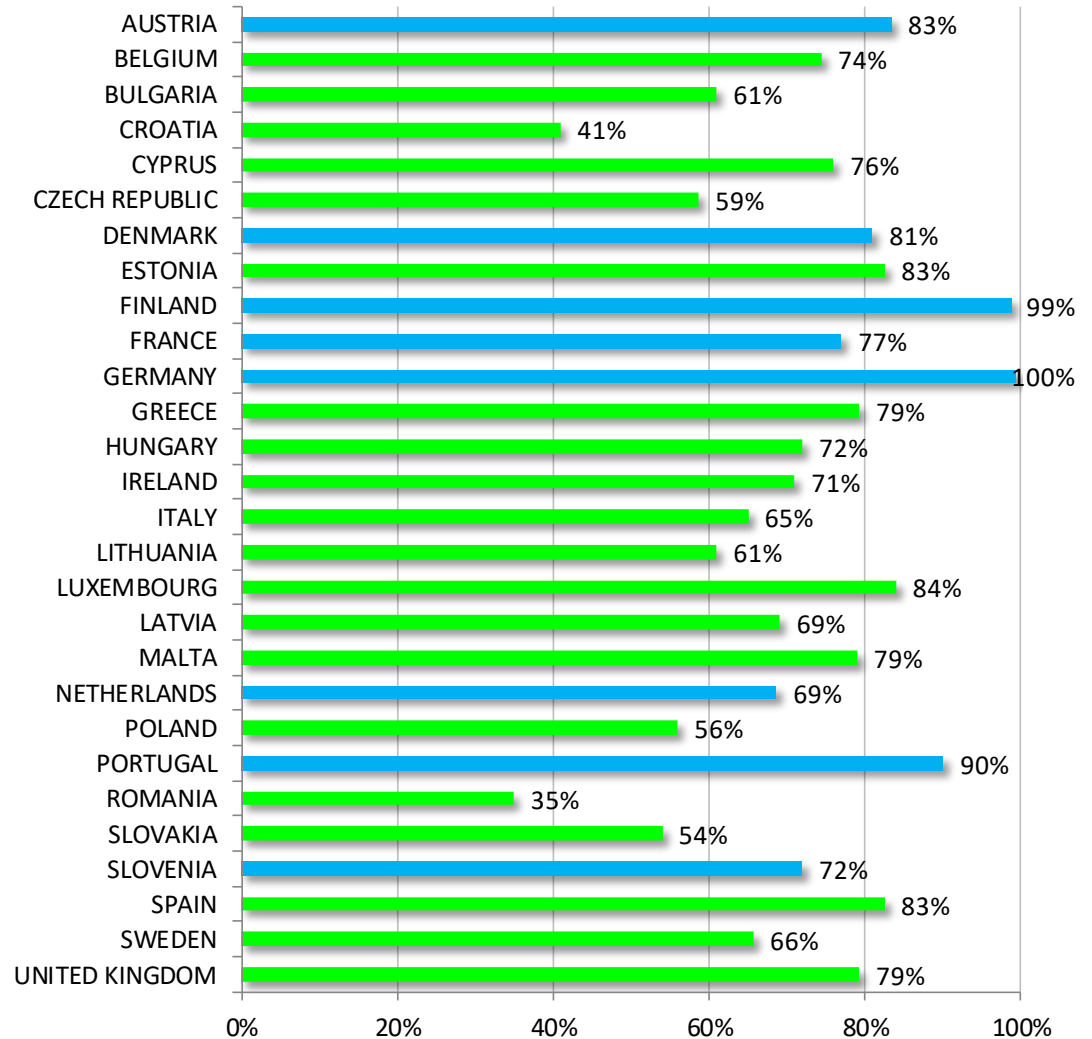
Total number of VW vehicles to be recalled	
AUSTRIA	228717
BELGIUM	140678
BULGARIA	4828
CROATIA	29391
CYPRUS	710
CZECH REPUBLIC	47141
DENMARK	45702
ESTONIA	No data provided
FINLAND	16447
FRANCE	604317
GERMANY	1418502
GREECE	8736
HUNGARY	19503
IRELAND	79655
ITALY	370782
LITHUANIA	8176
LUXEMBOURG	15421
LATVIA	7604
MALTA	360
NETHERLANDS	99588
POLAND	75326
PORTUGAL	58114
ROMANIA	44930
SLOVAKIA	32487
SLOVENIA	37327
SPAIN	276856
SWEDEN	137839
UNITED KINGDOM	574643



# Audi

Total number of Audi vehicles to be recalled	
AUSTRIA	94914
BELGIUM	87020
BULGARIA	1533
CROATIA	7087
CYPRUS	866
CZECH REPUBLIC	9149
DENMARK	17988
ESTONIA	958
FINLAND	34664
FRANCE	247629
GERMANY	450998
GREECE	2528
HUNGARY	7233
IRELAND	46934
ITALY	244491
LITHUANIA	1422
LUXEMBOURG	7423
LATVIA	1979
MALTA	283
NETHERLANDS	14862
POLAND	23231
PORTUGAL	35948
ROMANIA	20310
SLOVAKIA	8274
SLOVENIA	12040
SPAIN	160673
SWEDEN	55127
UNITED KINGDOM	390880

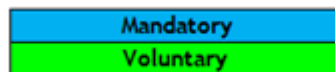
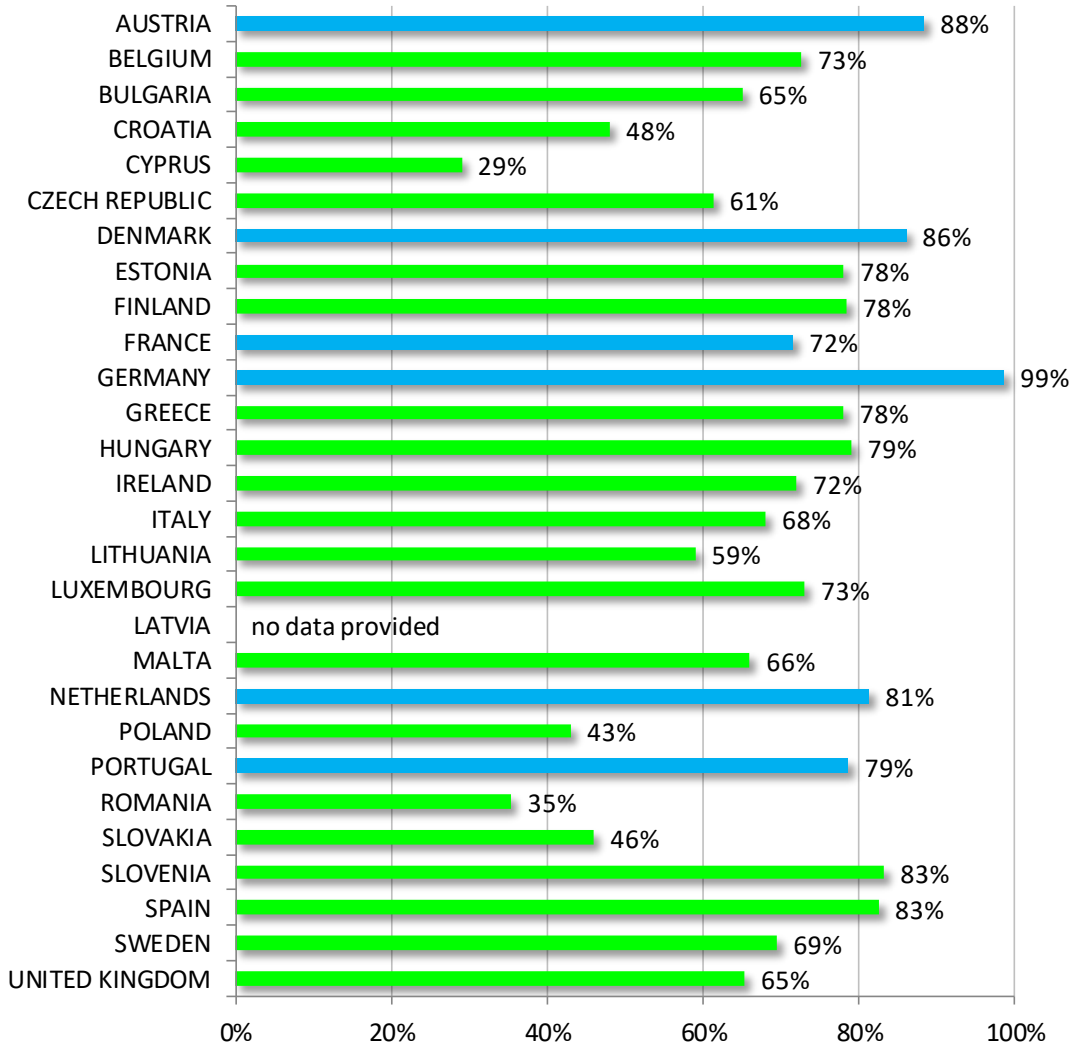
## % of Audi vehicles that have been recalled & updated



# Seat

Total number of Seat vehicles to be recalled	
AUSTRIA	32503
BELGIUM	113
BULGARIA	183
CROATIA	935
CYPRUS	113
CZECH REPUBLIC	1775
DENMARK	5800
ESTONIA	114
FINLAND	2396
FRANCE	93178
GERMANY	101267
GREECE	2527
HUNGARY	772
IRELAND	6392
ITALY	30323
LITHUANIA	91
LUXEMBOURG	2136
LATVIA	No data provided
MALTA	41
NETHERLANDS	22069
POLAND	3998
PORTUGAL	23188
ROMANIA	1273
SLOVAKIA	3363
SLOVENIA	1485
SPAIN	204713
SWEDEN	2091
UNITED KINGDOM	74835

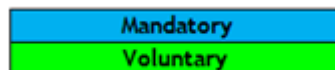
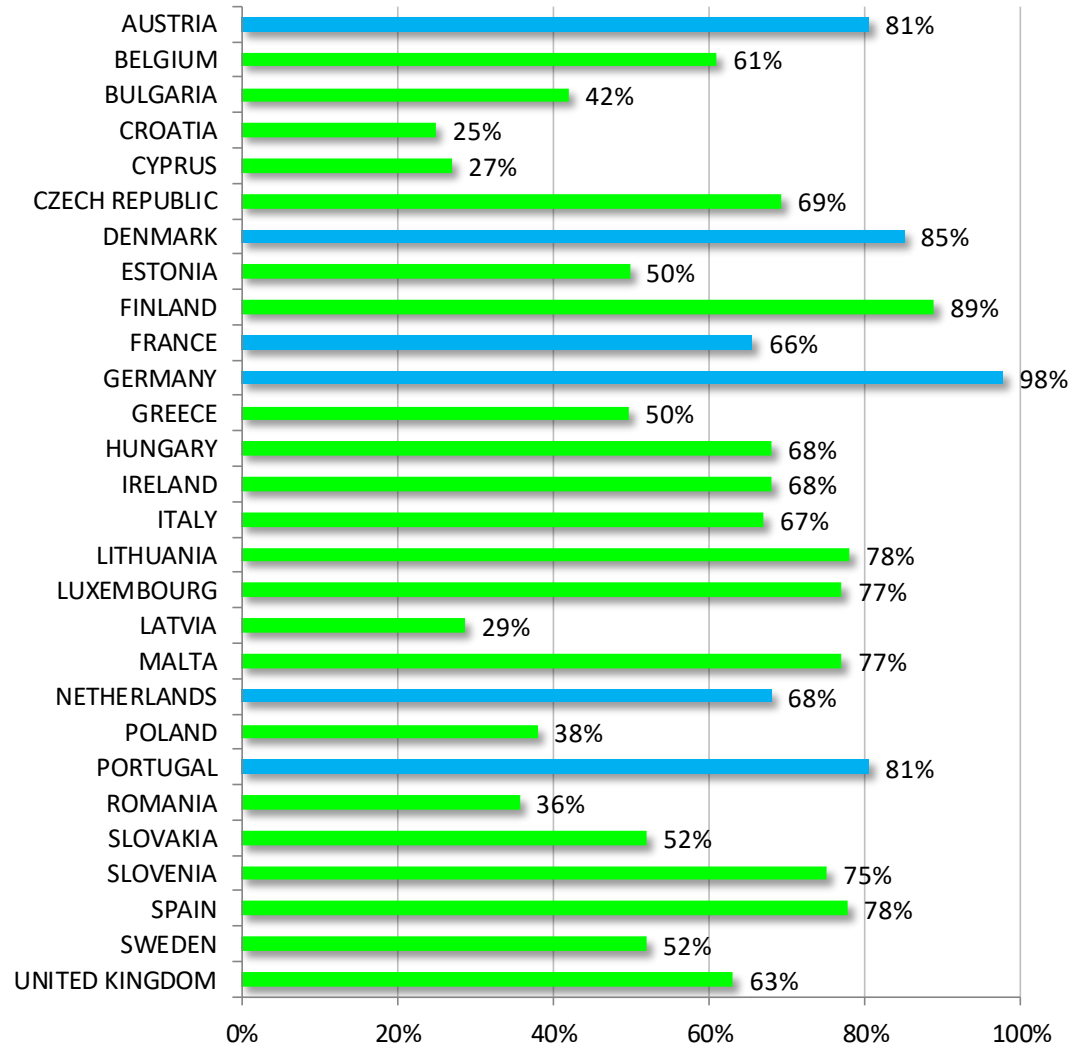
## % of Seat vehicles that have been recalled & updated



# Škoda

Total number of Skoda vehicles to be recalled	
AUSTRIA	52748
BELGIUM	31070
BULGARIA	3731
CROATIA	7086
CYPRUS	121
CZECH REPUBLIC	94902
DENMARK	11732
ESTONIA	1891
FINLAND	16893
FRANCE	56349
GERMANY	261096
GREECE	6647
HUNGARY	10793
IRELAND	21165
ITALY	30016
LITHUANIA	3761
LUXEMBOURG	2608
LATVIA	1565
MALTA	31
NETHERLANDS	19954
POLAND	55994
PORTUGAL	8327
ROMANIA	17504
SLOVAKIA	39120
SLOVENIA	4560
SPAIN	32455
SWEDEN	26060
UNITED KINGDOM	128606

## % of Skoda vehicles that have been recalled & updated

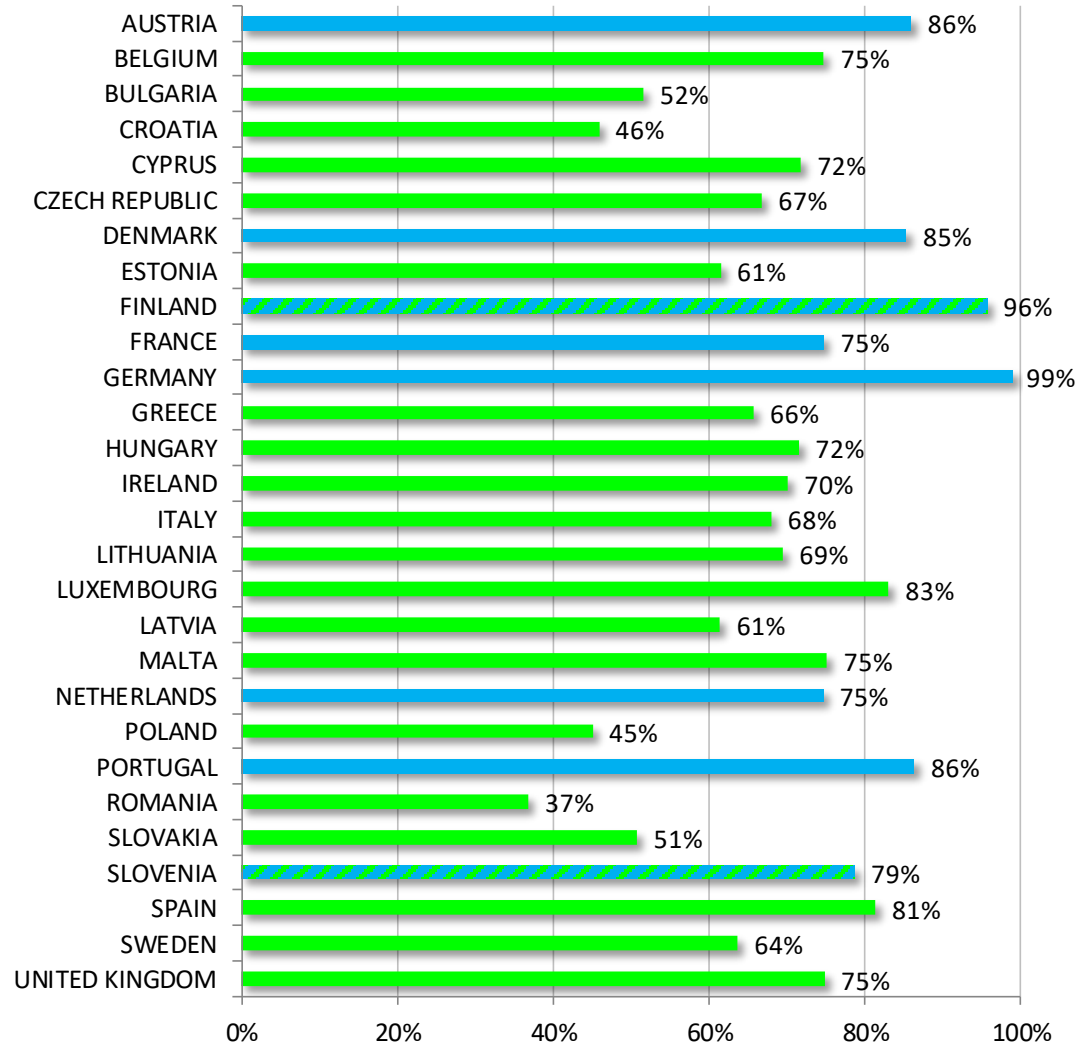


# VW EA189 engine (VW/Audi/Seat/Škoda vehicles)

Total number of vehicles concerned by the recalls on the VW EA189 engine

AUSTRIA	408882
BELGIUM	258881
BULGARIA	10275
CROATIA	44499
CYPRUS	1810
CZECH REPUBLIC	152967
DENMARK	81222
ESTONIA	2963
FINLAND	70400
FRANCE	1001473
GERMANY	2231863
GREECE	20438
HUNGARY	38301
IRELAND	154146
ITALY	675612
LITHUANIA	13359
LUXEMBOURG	27588
LATVIA	9583
MALTA	715
NETHERLANDS	156473
POLAND	158549
PORTUGAL	125577
ROMANIA	84017
SLOVAKIA	83244
SLOVENIA	49367
SPAIN	674697
SWEDEN	221117
UNITED KINGDOM	1168964

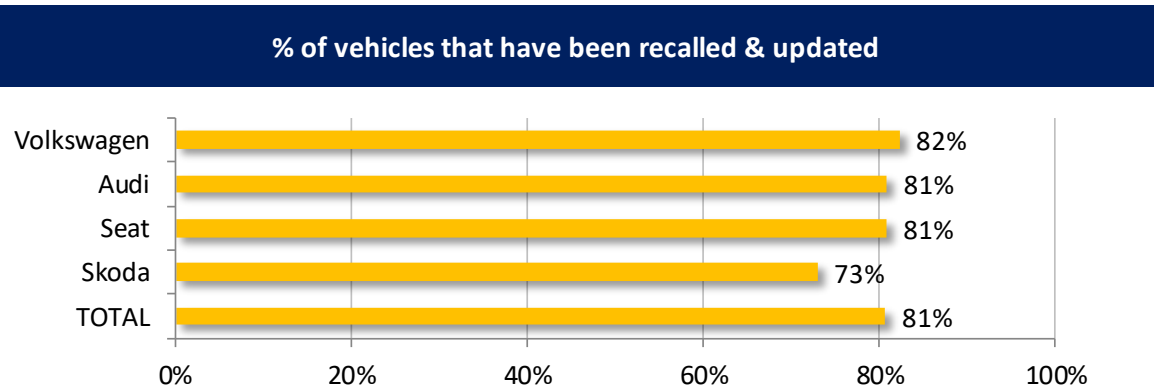
% of vehicles that have been recalled & updated - VW, Audi, Seat and Skoda put together





## EU wide total of recall rates for the VW EA189 engine (VW/Audi/Seat/Škoda vehicles) based on data provided by the Member States

Total number of vehicles concerned by the recall	
Volkswagen	4.383.780
Audi	1.986.444
Seat	611.282
Skoda	946.785
<b>TOTAL</b>	<b>7.928.291</b>



# **Data of the VW group by Member State related to vehicles equipped with an EA189 engine**

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Austria	VW	228717	87,9
	AUDI	94914	83,4
	SEAT	32503	88,3
	Škoda	52748	80,5

Last updated: June 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Belgium	VW	140678	78
	AUDI	87020	74,4
	SEAT	15753	72,6
	Škoda	31070	61

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Bulgaria	VW	4828	55,5
	AUDI	1533	61
	SEAT	183	65
	Škoda	3731	42

Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Croatia	VW	29391	52
	AUDI	7087	41
	SEAT	935	48
	Škoda	7086	25

Last updated: October 2017

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Cyprus	VW	710	81
	AUDI	866	76
	SEAT	113	29
	Škoda	121	27

Last updated: October 2017

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Czech Republic	VW	47141	63,56
	AUDI	9149	58,7
	SEAT	1775	61,3
	Škoda	94902	69,23

Last updated: January 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Denmark	VW	45702	87
	AUDI	17988	81
	SEAT	5800	86
	Škoda	11732	85

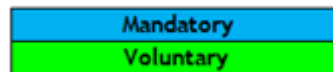
Last updated: January 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Estonia	VW	4573	53,99
	AUDI	958	82,55
	SEAT	114	78,07
	Škoda	1891	49,81

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Finland	VW	16447	98,46
	AUDI	34664	98,78
	SEAT	2396	78,34
	Škoda	16893	88,8

Last updated: May 2019



Member State	Brand	Number of vehicles to be recalled	% recalled & updated
France	VW	604317	75,2
	AUDI	247629	77
	SEAT	93178	71,5
	Škoda	56349	65,6

Last updated: July 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Germany	VW	1418502	99,1
	AUDI	450998	99,5
	SEAT	101267	98,69
	Škoda	261096	97,7

Last updated: June 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Greece	VW	8736	70,4
	AUDI	2528	79,3
	SEAT	2527	77,96
	Škoda	6647	49,7

Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Hungary	VW	19503	73
	AUDI	7233	72
	SEAT	772	79
	Škoda	10793	68

Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Ireland	VW	79655	70
	AUDI	46934	71
	SEAT	6392	72
	Škoda	21165	68

Last updated: May 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Italy	VW	370782	70
	AUDI	244491	65
	SEAT	30323	68
	Škoda	30016	67

Last updated: February 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Lithuania	VW	8176	67
	AUDI	1422	61
	SEAT	91	59
	Škoda	3761	78

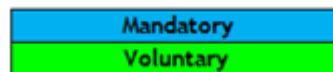
Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Luxembourg	VW	15421	85
	AUDI	7423	84
	SEAT	2136	73
	Škoda	2608	77

Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Latvia	VW	7604	59,4
	AUDI	1979	69,1
	SEAT	No data provided	
	Škoda	1565	28,7

Last updated: March 2019



Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Malta	VW	360	73
	AUDI	283	79
	SEAT	41	66
	Škoda	31	77

Last updated: May 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Netherlands	VW	99588	75,36
	AUDI	14862	68,67
	SEAT	22069	81,27
	Škoda	19954	67,97

Last updated: February 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Poland	VW	75326	47
	AUDI	23231	56
	SEAT	3998	43
	Škoda	55994	38

Last updated: June 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Portugal	VW	58114	87,9
	AUDI	35948	90,1
	SEAT	23188	78,6
	Škoda	8327	80,5

Last updated: February 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Romania	VW	44930	38,2
	AUDI	20310	35
	SEAT	1273	35,4
	Škoda	17504	35,7

Last updated: January 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Slovakia	VW	32487	49
	AUDI	8274	54
	SEAT	3363	46
	Škoda	39120	52

Last updated: March 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Slovenia	VW	37327	80,8
	AUDI	12040	72
	SEAT	1485	83,2
	Škoda	4560	75,1

Last updated: August 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Spain	VW	276856	80,2
	AUDI	160673	82,5
	SEAT	204713	82,5
	Škoda	32455	77,7

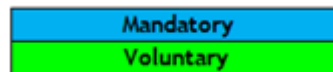
Last updated: July 2019

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Sweden	VW	137839	65
	AUDI	55127	65,69
	SEAT	2091	69,44
	Škoda	26060	51,96

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
United Kingdom	VW	574643	75,6
	AUDI	390880	79,3
	SEAT	74835	65,3
	Škoda	128606	63,1

Last updated: March 2019



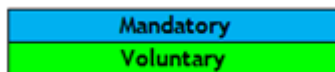
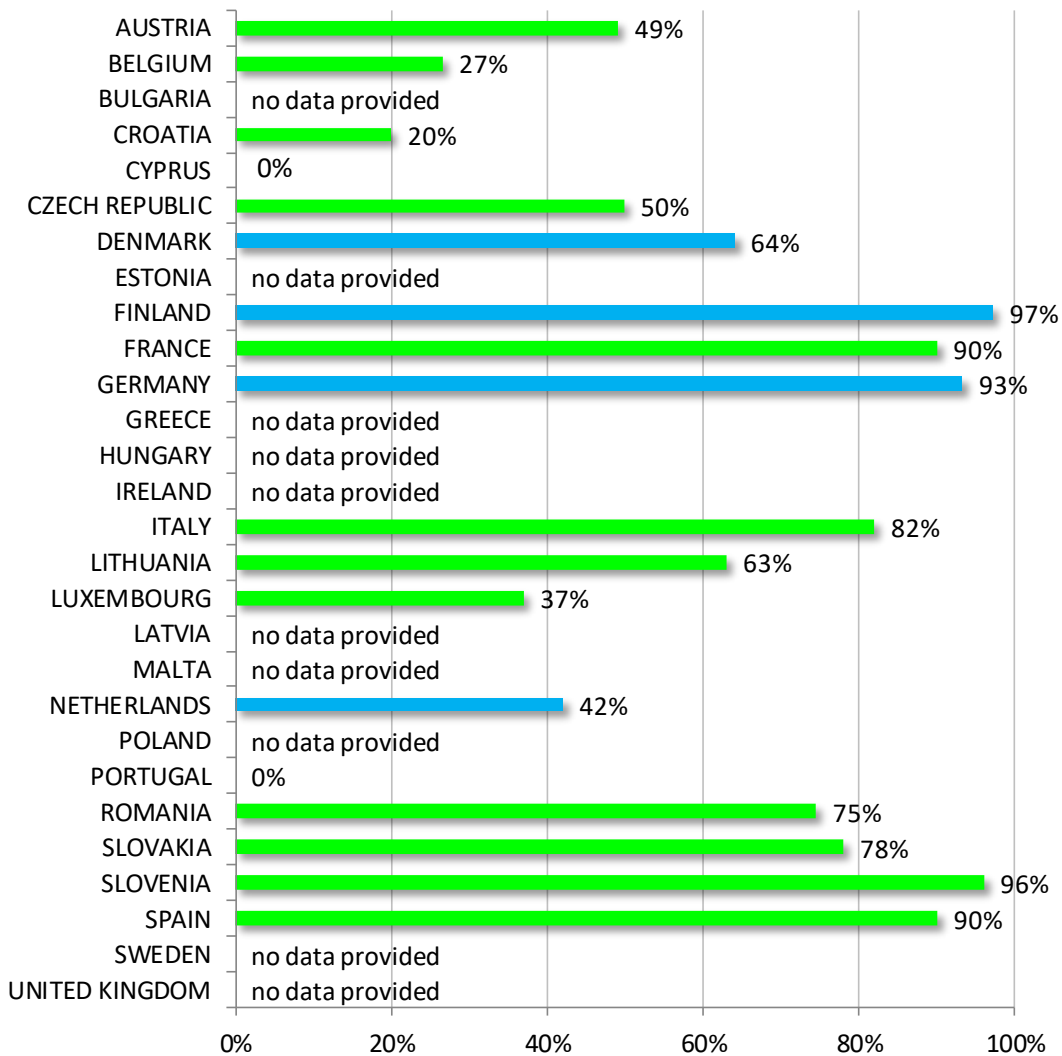
**Data of the VW group  
related to vehicles equipped with  
another (non EA189) engine**

# Porsche Cayenne

Total number of Porsche Cayenne to be recalled

AUSTRIA	1926
BELGIUM	436
BULGARIA	No data provided
CROATIA	27
CYPRUS	64
CZECH REPUBLIC	351
DENMARK	22
ESTONIA	No data provided
FINLAND	19
FRANCE	1426
GERMANY	5992
GREECE	No data provided
HUNGARY	No data provided
IRELAND	No data provided
ITALY	3163
LITHUANIA	248
LUXEMBOURG	591
LATVIA	No data provided
MALTA	No data provided
NETHERLANDS	1312
POLAND	No data provided
PORTUGAL	164
ROMANIA	368
SLOVAKIA	109
SLOVENIA	52
SPAIN	1377
SWEDEN	No data provided
UNITED KINGDOM	No data provided

% of Porsche Cayenne that have been recalled & updated



Member State	Voluntary/ Mandatory	Number of vehicles to be recalled	% of vehicles that have been recalled & updated
<b>Audi A5, A6, A7, A8, Q5, SQ5 with 3.0L or 4.2L</b>			
AUSTRIA	Mandatory	1616	0%
FRANCE	Mandatory	9534 (Q5/A6/A7/A8)	64%
GERMANY	Voluntary <sup>4</sup>	3350 (DE: A6 with 3.0L)	32%
		4689 (EU-wide: A6 with 3.0L)	30%
GERMANY	Mandatory	28135 (A6, A7 with 3.0L CRT)	88%
		44577 (A6, A7, SQ5 with 3.0L)	84%
		6196 (A6, A7)	79%
		11841 (A8)	81%
		77600 (DE)	no data provided
		127000 (EU-wide)	no data provided
LUXEMBOURG	Voluntary	1456 (23X6 EA897)	10%
		680 (23X6 Wave)	24%
<b>Audi Q7 with 3.0L</b>			
GERMANY	Mandatory	no data provided (DE)	no data provided
		no data provided (EU-wide)	no data provided
<b>Porsche Macan 3.0L</b>			
AUSTRIA	Mandatory	1926 (incl. Cayenne)	49%
FINLAND	Mandatory	197	80%
FRANCE	Voluntary	6807	60%
GERMANY	Voluntary <sup>4</sup>	9285 (DE)	95%
		33565 (EU-wide)	92%
GERMANY	Mandatory	12969	77%
ITALY	Voluntary <sup>4</sup>	5946	78%
LUXEMBOURG	Voluntary	591 (incl. Cayenne)	37%
SLOVENIA	Voluntary	82	87%
SPAIN	Voluntary	2718	63%



Member State	Voluntary/ Mandatory	Number of vehicles to be recalled	% of vehicles that have been recalled & updated
<b>VW Amarok</b>			
GERMANY	Voluntary <sup>4</sup>	17419 (DE)	74%
		63903 (EU-wide)	68%
<b>VW Crafter</b>			
GERMANY	Voluntary <sup>4</sup>	68702 (DE)	67%
		181826 (EU-wide)	59%
<b>VW Touareg</b>			
FRANCE	Mandatory	2556	93%
GERMANY	Mandatory	26018	95%
ROMANIA	Voluntary	1383	86%
SLOVENIA	Mandatory	50	92%

<sup>4</sup>Voluntary service campaign

# Data received from Member States on other (non-VW) vehicle manufacturers

Member States that have provided information on remedial measures taken by other brands	
AUSTRIA	ITALY
BELGIUM	LITHUANIA
BULGARIA	LUXEMBOURG
CROATIA	LATVIA
CYPRUS	MALTA
CZECH REPUBLIC	NETHERLANDS
DENMARK	POLAND
ESTONIA	PORTUGAL
FINLAND	ROMANIA
FRANCE	SLOVAKIA
GERMANY	SLOVENIA
GREECE	SPAIN
HUNGARY	SWEDEN
IRELAND	UNITED KINGDOM

info provided
no info provided

Member State	Voluntary/ Mandatory	Brand / Model	Number of vehicles to be recalled	% of vehicles that have been recalled & updated
<b>BMW</b>				
AUSTRIA	Mandatory		156	100%
CZECH	Voluntary		216	59%
FRANCE	Mandatory	550d / 750d 3.0L	324	74%
GERMANY	Mandatory	550d / 750d 3.0L	3607	81%
ITALY	Voluntary	X1	45	80%
ITALY	Voluntary	5 & 7 series	178	59%
<b>Dacia</b>				
FRANCE	Voluntary		67077 (FR)	54%
			298748 (EU-wide) <sup>5</sup>	57%
ITALY	Voluntary <sup>4</sup>		52637	35%
<b>Daimler</b>				
AUSTRIA	Voluntary		19797	61%
AUSTRIA	Mandatory		22227	36%
CZECH	Voluntary		6028	38%
DENMARK	Mandatory	Vito	2196	50%
FRANCE	Voluntary	A, B, GLA, CLA 1.8L	25640	89%
FRANCE	Mandatory	C class	6470	3%
FRANCE	Mandatory	GLC	7412	69%
GERMANY	Mandatory	C180 / C200 / C220 / C300 / CLS350 / G350 / GL350 / GLC220 / GLC250 / GLE250 / GLE350 / GLK220 / GLK250 / GLS350 / E300 / E350 / ML250 / ML350 / S300 / S350 SLC250 / SLK250 / Sprinter / Vito / V class	GLC: 23769 / Vito & V-class: 109334 / C-class: 11411	GLC: 88% / Vito & V-class: 85% / C-class: 52%
			238000 (DE)	no data provided
			774000 (EU-wide)	no data provided
GERMANY	Voluntary <sup>4</sup>	A / B / CLA / GLA class	28658 (DE)	90%
			240050 (EU-wide)	74%
GERMANY	Voluntary <sup>4</sup>	V class	27194 (DE)	95%
			49965 (EU-wide)	92%
ITALY	Voluntary	PC / Vans	no data provided	80/50/62/91%
NETHERLANDS	Mandatory		3153	94%

<sup>4</sup>Voluntary service campaign

<sup>5</sup>Data provided by France. It concerns software measures (E6b improvement)

Member State	Voluntary/ Mandatory	Brand / Model	Number of vehicles to be recalled	% of vehicles that have been recalled & updated
<b>Fiat Chrysler Automobiles</b>				
FRANCE	Voluntary <sup>4</sup>	FCA total	44056	81%
ITALY	Mandatory	Fiat 500X	6216 (IT)	91%
			13712 (EU-wide)	85%
ITALY	Voluntary <sup>4</sup>	Fiat	162075	85%
ITALY	Voluntary <sup>4</sup>	Fiat Professional	15616	95%
ITALY	Voluntary <sup>4</sup>	Alfa Romeo	22695	86%
ITALY	Voluntary <sup>4</sup>	Lancia	13985	67%
ITALY	Voluntary <sup>4</sup>	Jeep	39808	83%
ITALY	Voluntary <sup>4</sup>	FCA total	254179 (IT)	84%
			469937 (EU-wide)	83%
NETHERLANDS	Voluntary <sup>4</sup>	FCA total	1549	78%
<b>Nissan</b>				
FRANCE	Mandatory	Juke	2976	95%
FRANCE	Mandatory	NT500	84	92%
SPAIN	Voluntary		1745	96%
<b>Opel/Vauxhall</b>				
AUSTRIA	Voluntary		2814	67%
AUSTRIA	Mandatory	Adam / Corsa-E	3484	29%
FRANCE	Voluntary	Insignia 2.0	1076	76%
FRANCE	Voluntary	Cascada / Zafira 2.0	526	50%
FRANCE	Voluntary	Zafira 1.6	7311	39%
GERMANY	Voluntary <sup>4</sup>	Insignia 2.0	14627 (DE)	79%
			34995 (EU-wide)	70%
GERMANY	Voluntary <sup>4</sup>	Cascada / Zafira 2.0	12555 (DE)	22%
			29557 (EU-wide)	18%
GERMANY	Voluntary <sup>4</sup>	Zafira 1.6	4024 (DE)	7%
			31829 (EU-wide)	6%
GERMANY	Mandatory	Adam / Corsa-E	54000 (DE)	no data provided
			210000 (EU-wide)	no data provided

<sup>4</sup>Voluntary service campaign

Member State	Voluntary/ Mandatory	Brand / Model	Number of vehicles to be recalled	% of vehicles that have been recalled & updated
<b>Renault</b>				
AUSTRIA	Voluntary	Captur / Kadjar	17920	71%
AUSTRIA	Voluntary		149	97%
DENMARK	Mandatory		1	100%
FRANCE	Mandatory	Captur / Kadjar	6280 (FR)	91%
			11461 (EU-wide) <sup>6</sup>	89%
FRANCE	Voluntary		405782 (FR)	60%
			971968 (EU-wide) <sup>5</sup>	61%
ITALY	Voluntary		1654	81%
ITALY	Voluntary <sup>4</sup>		145962	34%
NETHERLANDS	Voluntary		71	92%
SLOVAKIA	No info		6	100%
<b>Suzuki</b>				
FRANCE	Voluntary <sup>4</sup>		5423	98%
ITALY	Voluntary <sup>4</sup>		11285	98%
NETHERLANDS	Mandatory in NL		212 (NL)	100%
			41776 (EU-wide)	95%

<sup>4</sup>Voluntary service campaign

<sup>5</sup>Data provided by France. It concerns software measures (E6b improvement).

<sup>6</sup>Data provided by France. It concerns software and hardware measures for the Captur and Kadjar models (desox).