



# 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 18 January 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
<b>IRELAND</b>	<b>no info provided</b>	
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).

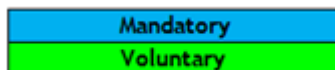
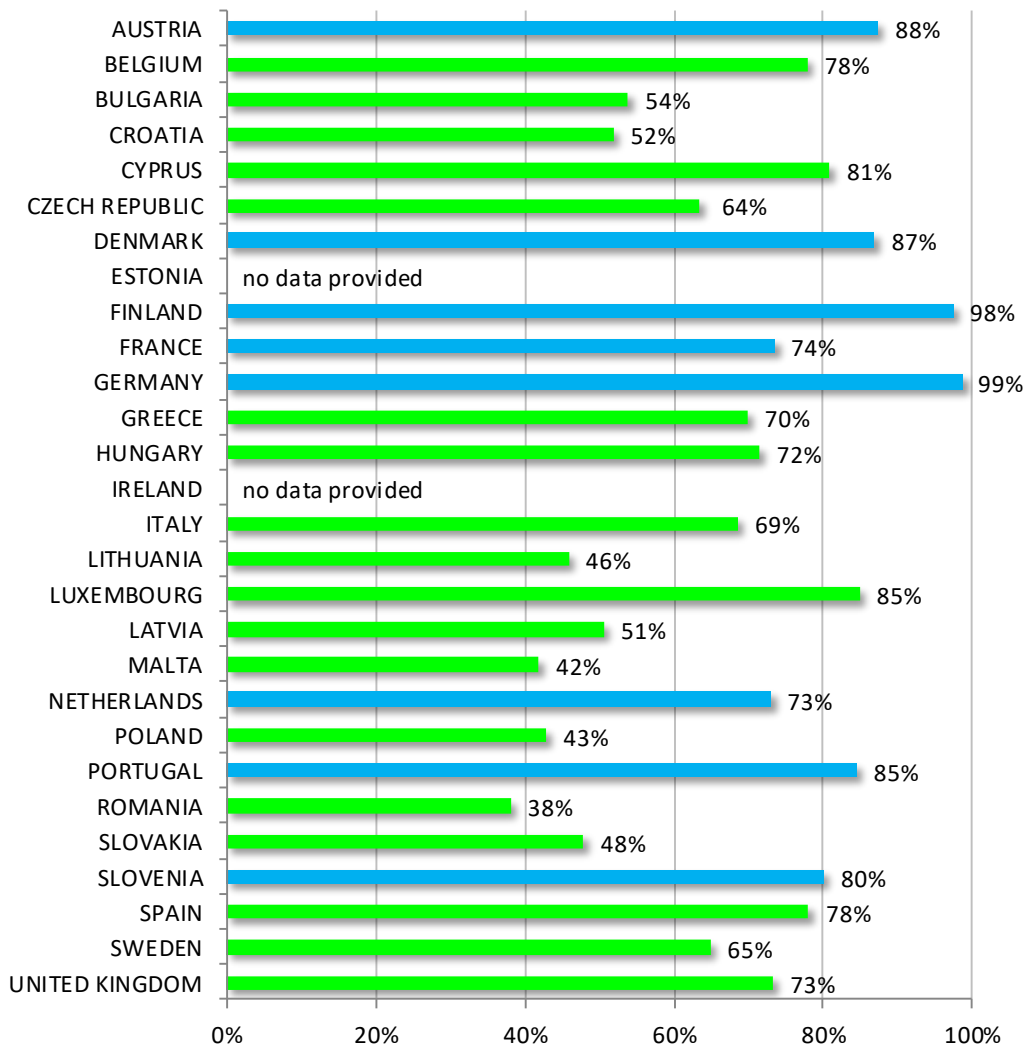
<sup>2</sup> A voluntary recall action is a remedial measure, which is carried out under the control of the vehicle manufacturer and/or distributor.

<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	34615
FRANCE	607328
GERMANY	1419689
GREECE	8690
HUNGARY	18049
IRELAND	No data provided
ITALY	371475
LITHUANIA	8769
LUXEMBOURG	14840
LATVIA	8030
MALTA	436
NETHERLANDS	104564
POLAND	73400
PORTUGAL	57713
ROMANIA	44930
SLOVAKIA	31953
SLOVENIA	37327
SPAIN	276856
SWEDEN	137839
UNITED KINGDOM	578948

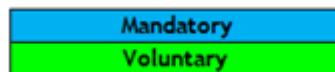
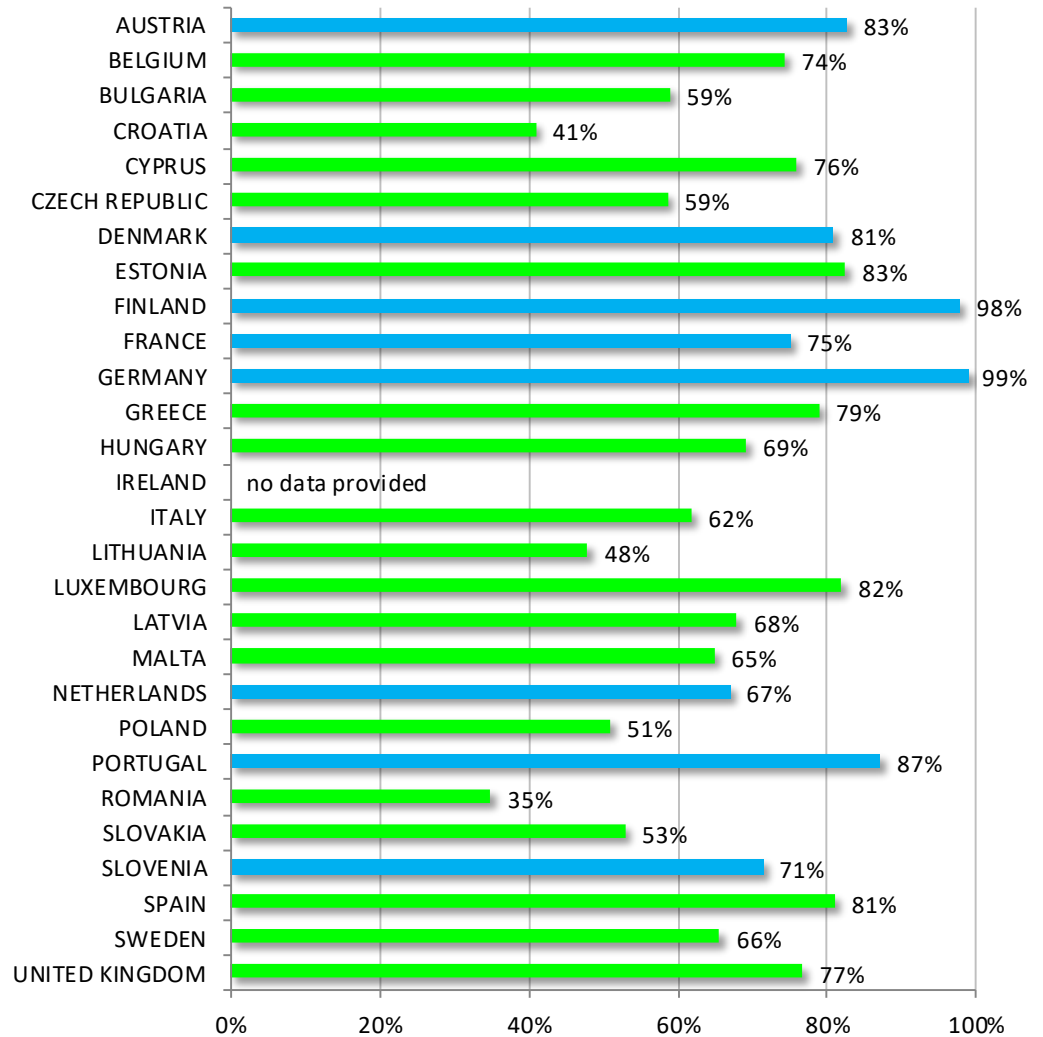
## % of VW vehicles that have been recalled & updated



# 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	16415
FRANCE	247804
GERMANY	451618
GREECE	2516
HUNGARY	6596
IRELAND	No data provided
ITALY	237456
LITHUANIA	1408
LUXEMBOURG	8183
LATVIA	1907
MALTA	271
NETHERLANDS	16852
POLAND	22833
PORTUGAL	35659
ROMANIA	20310
SLOVAKIA	8069
SLOVENIA	12040
SPAIN	160673
SWEDEN	55127
UNITED KINGDOM	393514

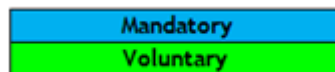
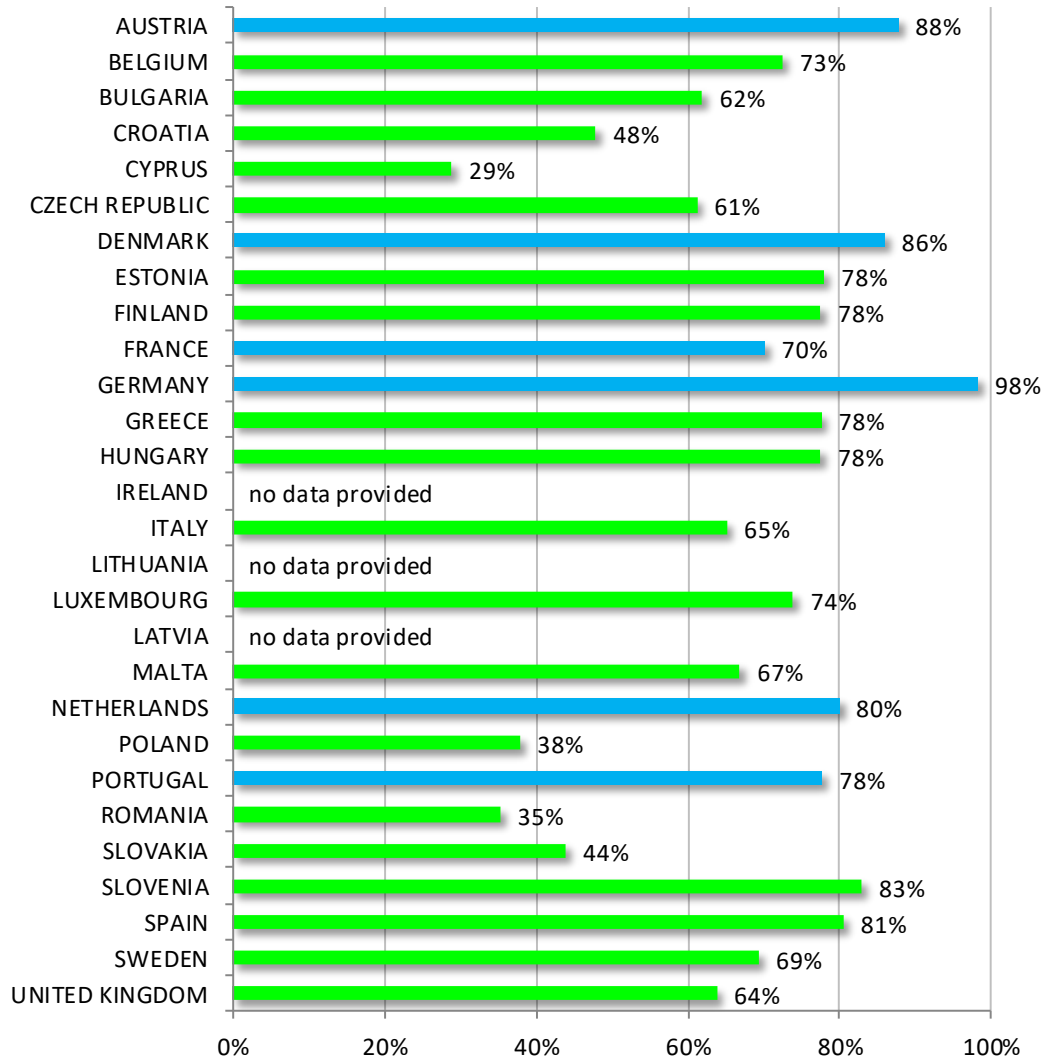
## % of Audi vehicles that have been recalled & updated



# 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	93474
GERMANY	101407
GREECE	2525
HUNGARY	702
IRELAND	No data provided
ITALY	31420
LITHUANIA	No data provided
LUXEMBOURG	2409
LATVIA	No data provided
MALTA	36
NETHERLANDS	23226
POLAND	3958
PORTUGAL	23188
ROMANIA	1273
SLOVAKIA	3355
SLOVENIA	1485
SPAIN	204713
SWEDEN	2091
UNITED KINGDOM	75140

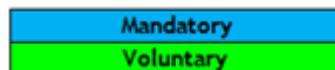
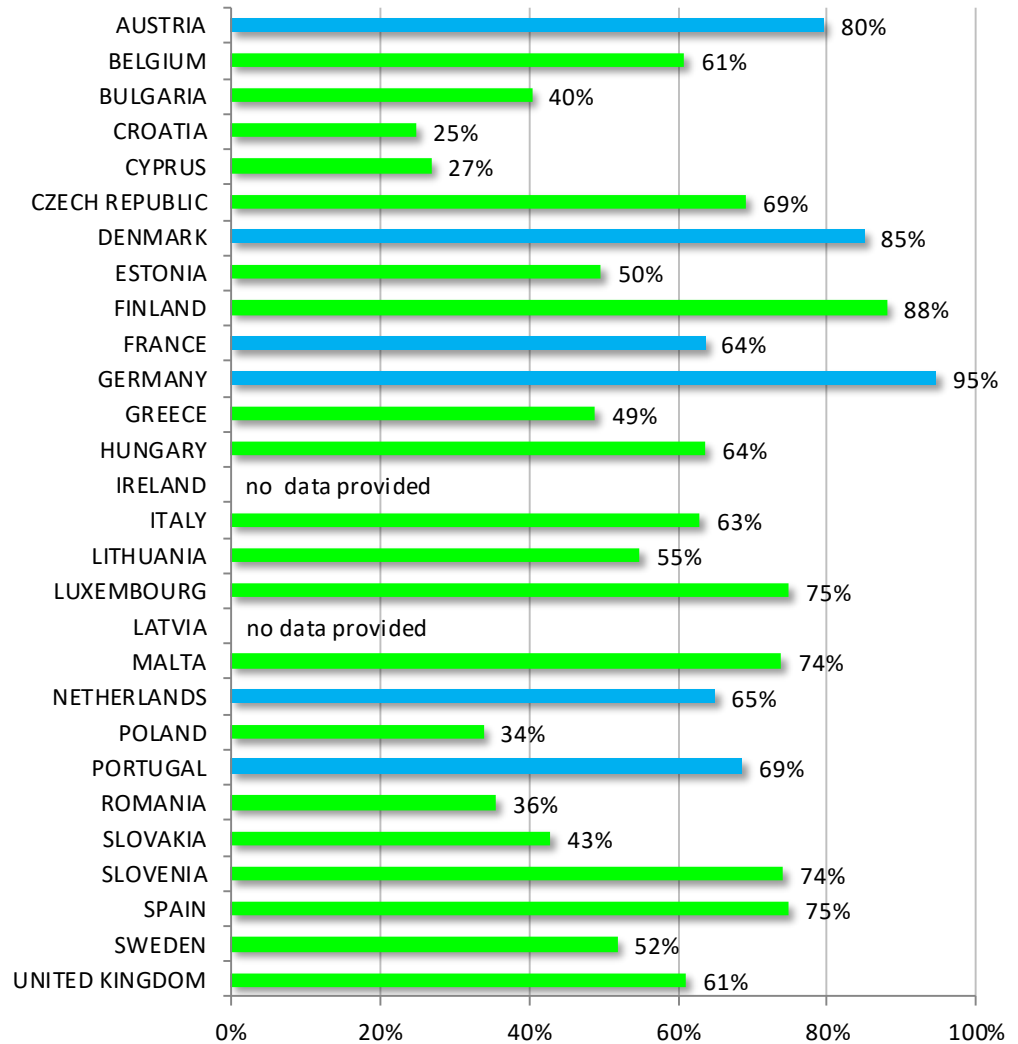
## % of Seat vehicles that have been recalled & updated



# 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	16906
FRANCE	57029
GERMANY	261314
GREECE	6646
HUNGARY	10382
IRELAND	No data provided
ITALY	30775
LITHUANIA	3761
LUXEMBOURG	2933
LATVIA	No data provided
MALTA	31
NETHERLANDS	21930
POLAND	55676
PORTUGAL	8302
ROMANIA	17504
SLOVAKIA	39120
SLOVENIA	4560
SPAIN	32455
SWEDEN	26060
UNITED KINGDOM	129296

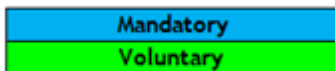
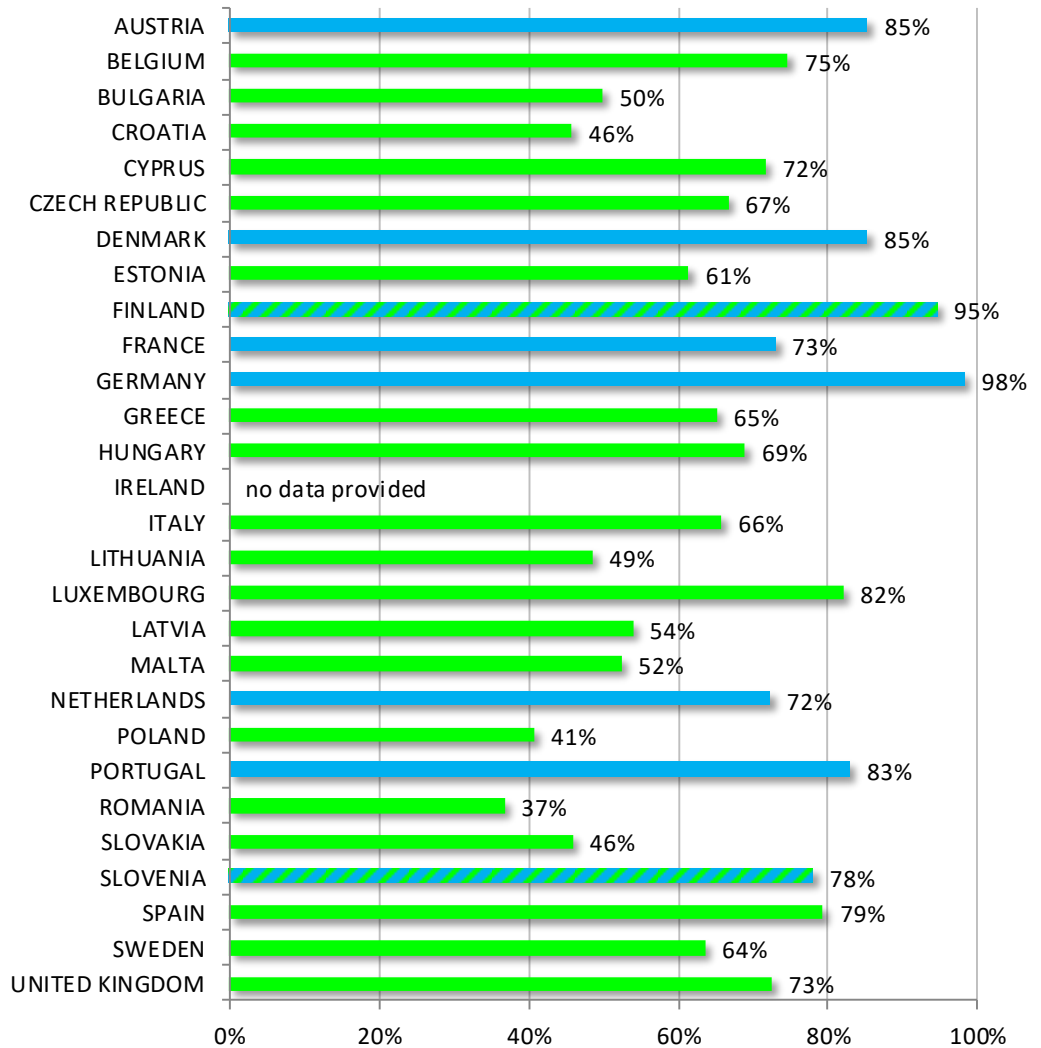
## % of Skoda vehicles that have been recalled & updated



# 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	70332
FRANCE	1005635
GERMANY	2234028
GREECE	20377
HUNGARY	35729
IRELAND	No data provided
ITALY	671126
LITHUANIA	13938
LUXEMBOURG	28365
LATVIA	9937
MALTA	774
NETHERLANDS	166572
POLAND	155867
PORTUGAL	124862
ROMANIA	84017
SLOVAKIA	82497
SLOVENIA	49367
SPAIN	674697
SWEDEN	221117
UNITED KINGDOM	1176898

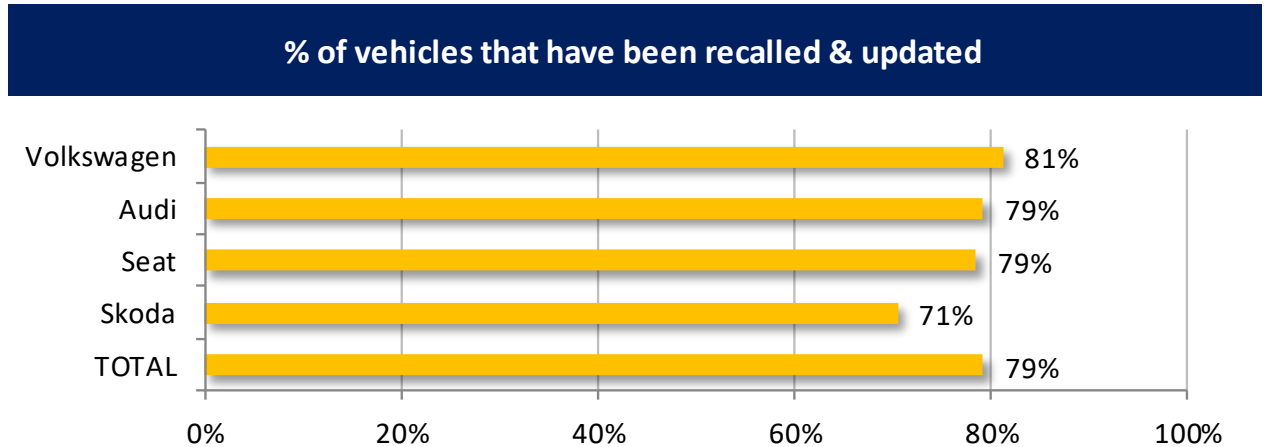
% of vehicles that have been recalled & updated - VW, Audi, Seat and Skoda put together





## 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	4.332.618
Audi	1.918.766
Seat	614.334
Skoda	927.961
<b>TOTAL</b>	<b>7.793.679</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	87,5
	AUDI	94914	82,7
	SEAT	32503	87,8
	Škoda	52748	79,7

Last updated: December 2018

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	54
	AUDI	1533	59
	SEAT	183	62
	Škoda	3731	40,47

Last updated: January 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
	Porsche	27	20

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
	Porsche	64	0

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
	Porsche	351	49,86

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

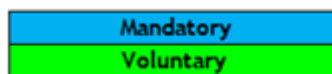
Last updated: December 2018

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	34615	97,51
	AUDI	16415	97,88
	SEAT	2396	77,63
	Škoda	16906	88,1

Last updated: December 2018



Member State	Brand	Number of vehicles to be recalled	% recalled & updated
France	VW	607328	73,5
	AUDI	247804	75,1
	SEAT	93474	70,2
	Škoda	57029	63,6

Last updated: December 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Germany	VW	1419689	98,8
	AUDI	451618	99,1
	SEAT	101407	98,3
	Škoda	261314	94,7

Last updated: December 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Greece	VW	8690	70
	AUDI	2516	79
	SEAT	2525	77,7
	Škoda	6646	49

Last updated: December 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Hungary	VW	18049	71,59
	AUDI	6596	69,23
	SEAT	702	77,6
	Škoda	10382	63,77

Last updated: March 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Ireland	VW	no data provided	
	AUDI		
	SEAT		
	Škoda		

Last updated: --

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Italy	VW	371475	68,67
	AUDI	237456	61,91
	SEAT	31420	65,23
	Škoda	30775	63,05

Last updated: August 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Lithuania	VW	8769	46
	AUDI	1408	48
	SEAT	No data provided	
	Škoda	3761	55

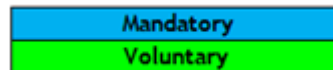
Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Luxembourg	VW	14840	85
	AUDI	8183	82
	SEAT	2409	74
	Škoda	2933	75

Last updated: December 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Latvia	VW	8030	50,7
	AUDI	1907	68,01
	SEAT	No data provided	
	Škoda		

Last updated: November 2018



Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Malta	VW	436	42
	AUDI	271	65
	SEAT	36	67
	Škoda	31	74

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Netherlands	VW	104564	73
	AUDI	16852	67
	SEAT	23226	80
	Škoda	21930	65

Last updated: June 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Poland	VW	73400	43
	AUDI	22833	51
	SEAT	3958	38
	Škoda	55676	34

Last updated: October 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Portugal	VW	57713	84,6
	AUDI	35659	87,2
	SEAT	23188	77,8
	Škoda	8302	68,7

Last updated: March 2018

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	31953	48
	AUDI	8069	53
	SEAT	3355	44
	Škoda	39120	43

Last updated: September 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Slovenia	VW	37327	80,2
	AUDI	12040	71,4
	SEAT	1485	83
	Škoda	4560	74,2

Last updated: December 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Spain	VW	276856	78,2
	AUDI	160673	81,1
	SEAT	204713	80,6
	Škoda	32455	74,9

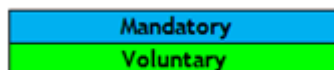
Last updated: January 2019

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	578948	73,4
	AUDI	393514	76,8
	SEAT	75140	63,9
	Škoda	129296	61,2

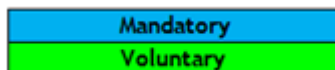
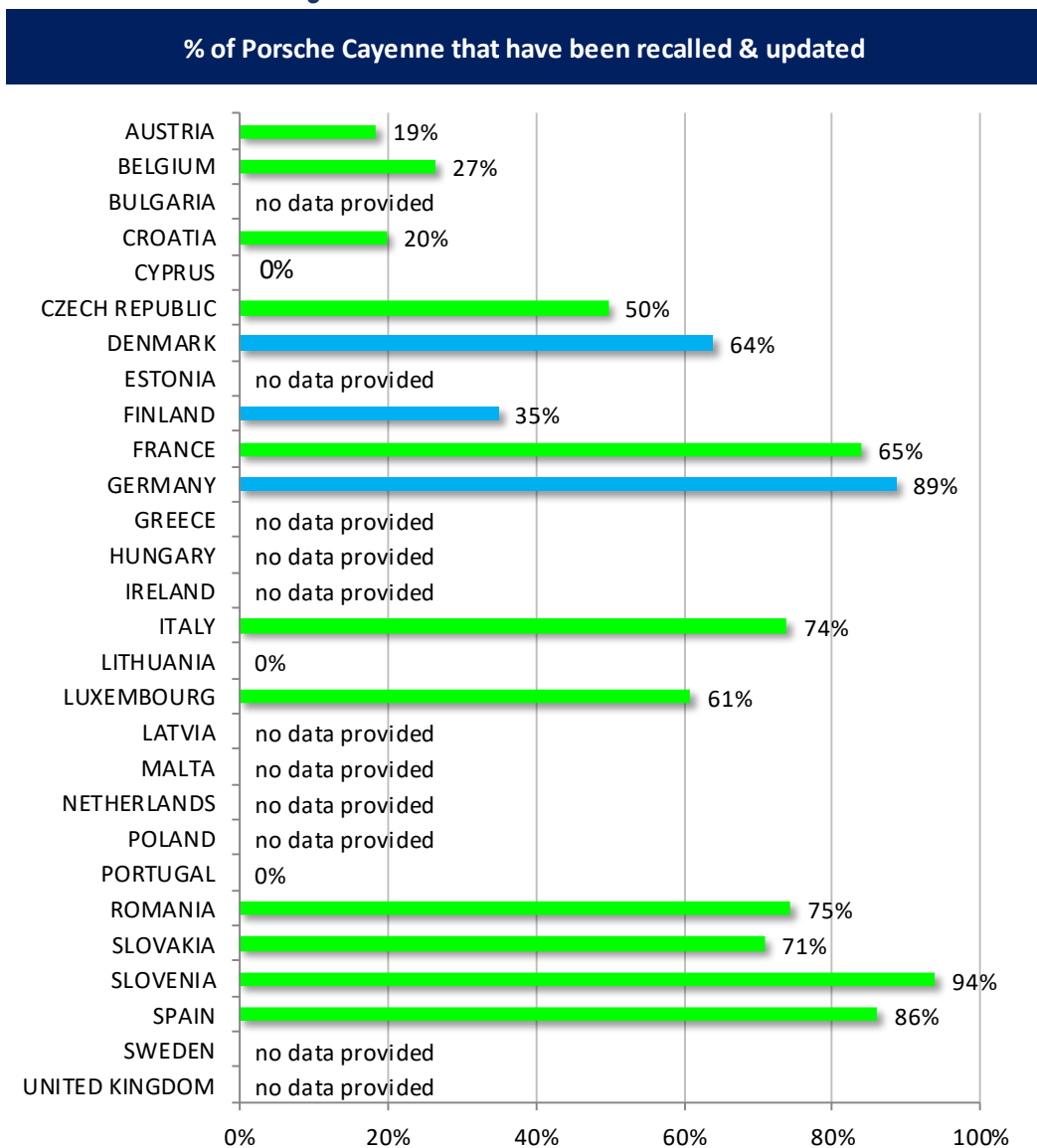
Last updated: March 2018



**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	1922
BELGIUM	436
BULGARIA	No data provided
CROATIA	27
CYPRUS	64
CZECH REPUBLIC	351
DENMARK	22
ESTONIA	No data provided
FINLAND	190
FRANCE	1426
GERMANY	5896
GREECE	No data provided
HUNGARY	No data provided
IRELAND	No data provided
ITALY	3163
LITHUANIA	108
LUXEMBOURG	449
LATVIA	No data provided
MALTA	No data provided
NETHERLANDS	No data provided
POLAND	No data provided
PORTUGAL	164
ROMANIA	368
SLOVAKIA	109
SLOVENIA	52
SPAIN	1377
SWEDEN	No data provided
UNITED KINGDOM	No data provided



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%
GERMANY	Voluntary <sup>4</sup>	3350 (DE: A6 with 3.0L)	32%
		4689 (EU-wide: A6 with 3.0L)	30%
GERMANY	Mandatory	30990 (A6, A7 with 3.0L)	10%
		77600 (DE)	no data provided
		127000 (EU-wide)	no data provided
<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	1922 (incl. Cayenne)	19%
FRANCE	Voluntary	6807	1%
GERMANY	Voluntary <sup>4</sup>	9285 (DE)	95%
		33565 (EU-wide)	92%
GERMANY	Mandatory	12989	11%
ITALY	Voluntary <sup>4</sup>	5946	92%
<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>			
GERMANY	Mandatory	26096	90%
ROMANIA	Voluntary	1383	86%
SLOVENIA	Mandatory	50	92%



# 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		178	73%
CZECH	Voluntary		216	59%
FRANCE	Mandatory	550d / 750d 3.0L	324	56%
GERMANY	Mandatory	550d / 750d 3.0L	3607	70%
ITALY	Voluntary	X1	45	76%
ITALY	Voluntary	5 & 7 series	178	35%
<b>Dacia</b>				
FRANCE	Voluntary		67077 (FR)	36%
			298748 (EU-wide) <sup>5</sup>	40%
ITALY	Voluntary <sup>4</sup>		52636	19%
<b>Daimler</b>				
AUSTRIA	Voluntary		12317	74%
AUSTRIA	Mandatory		18736	26%
CZECH	Voluntary		6028	38%
DENMARK	Mandatory		no data provided	no data provided
FRANCE	Voluntary	PC	no data provided	72%
FRANCE	Voluntary	A, B, GLA, CLA 1.8L	25640	86%
FRANCE	Voluntary	GLC	7412	20%
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	238000 (DE) / GLC: 23769 / Vito & V-class: 109392	GLC: 72,2% / Vito & V- class: 47,2%
			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		no data provided	65%
NETHERLANDS	Mandatory		3153	85%

## Data from other vehicle manufacturers

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	no data provided (IT)	no data provided
			no data provided (EU-wide)	no data provided
ITALY	Voluntary <sup>4</sup>	Fiat	177691	73%
ITALY	Voluntary <sup>4</sup>	Alfa Romeo	22695	84%
ITALY	Voluntary <sup>4</sup>	Lancia	13985	63%
ITALY	Voluntary <sup>4</sup>	Jeep	39808	79%
ITALY	Voluntary <sup>4</sup>	FCA total	254179 (IT)	80%
			469938 (EU-wide)	72%
NETHERLANDS	Voluntary <sup>4</sup>	FCA total	1549	78%
<b>Nissan</b>				
FRANCE	Mandatory	Juke	2972	94%
FRANCE	Mandatory	NT500	84	89%
SPAIN	Voluntary		1745	96%
<b>Opel</b>				
AUSTRIA	Voluntary		2814	56%
FRANCE	Voluntary	Insignia 2.0	1076	76%
FRANCE	Voluntary	Cascada / Zafira 2.0	526	45%
FRANCE	Voluntary	Zafira 1.6	7311	29%
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%

<sup>4</sup>Voluntary service campaign

## Data from other vehicle manufacturers

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	57%
AUSTRIA	Voluntary		149	96%
DENMARK	Mandatory		1	100%
FRANCE	Mandatory	Captur / Kadjar	6280 (FR)	88%
			11461 (EU-wide) <sup>6</sup>	87%
FRANCE	Voluntary		405782 (FR)	37%
			1017807 (EU-wide) <sup>5</sup>	38%
ITALY	Voluntary		1654	78%
ITALY	Voluntary <sup>4</sup>		146446	17%
NETHERLANDS	Voluntary		67	84%
SLOVAKIA	No info		6	100%
<b>Suzuki</b>				
FRANCE	Voluntary <sup>4</sup>		5423	98%
ITALY	Voluntary		no data provided	96%
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).