



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

This document has been prepared by the Commission Services based on the contributions by the Member States (Type Approval Authorities), in the context of the request by Commissioner Bieńkowska of 17 July 2017.

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 14 September 2018.

**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).

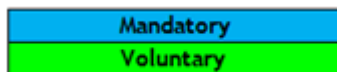
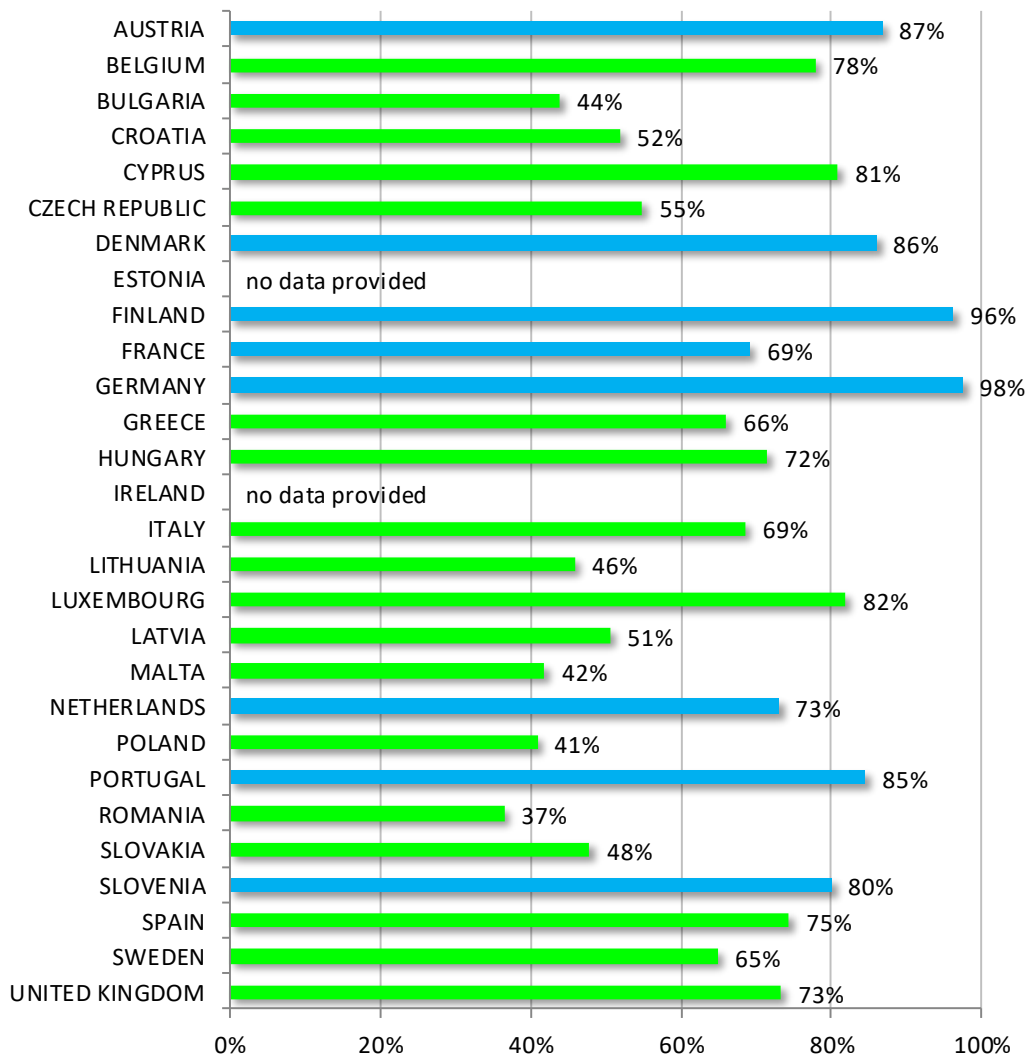
<sup>2</sup> A voluntary recall action is a remedial measure, which is carried out under the control of the vehicle manufacturer and/or distributor.

<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	222911
BELGIUM	140678
BULGARIA	6584
CROATIA	29391
CYPRUS	710
CZECH REPUBLIC	51792
DENMARK	45670
ESTONIA	No data provided
FINLAND	34565
FRANCE	607328
GERMANY	1428034
GREECE	8568
HUNGARY	18049
IRELAND	No data provided
ITALY	371475
LITHUANIA	8769
LUXEMBOURG	14840
LATVIA	8030
MALTA	436
NETHERLANDS	104564
POLAND	73673
PORTUGAL	57713
ROMANIA	43399
SLOVAKIA	31953
SLOVENIA	35867
SPAIN	276856
SWEDEN	137839
UNITED KINGDOM	578948

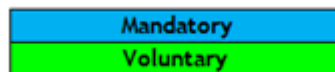
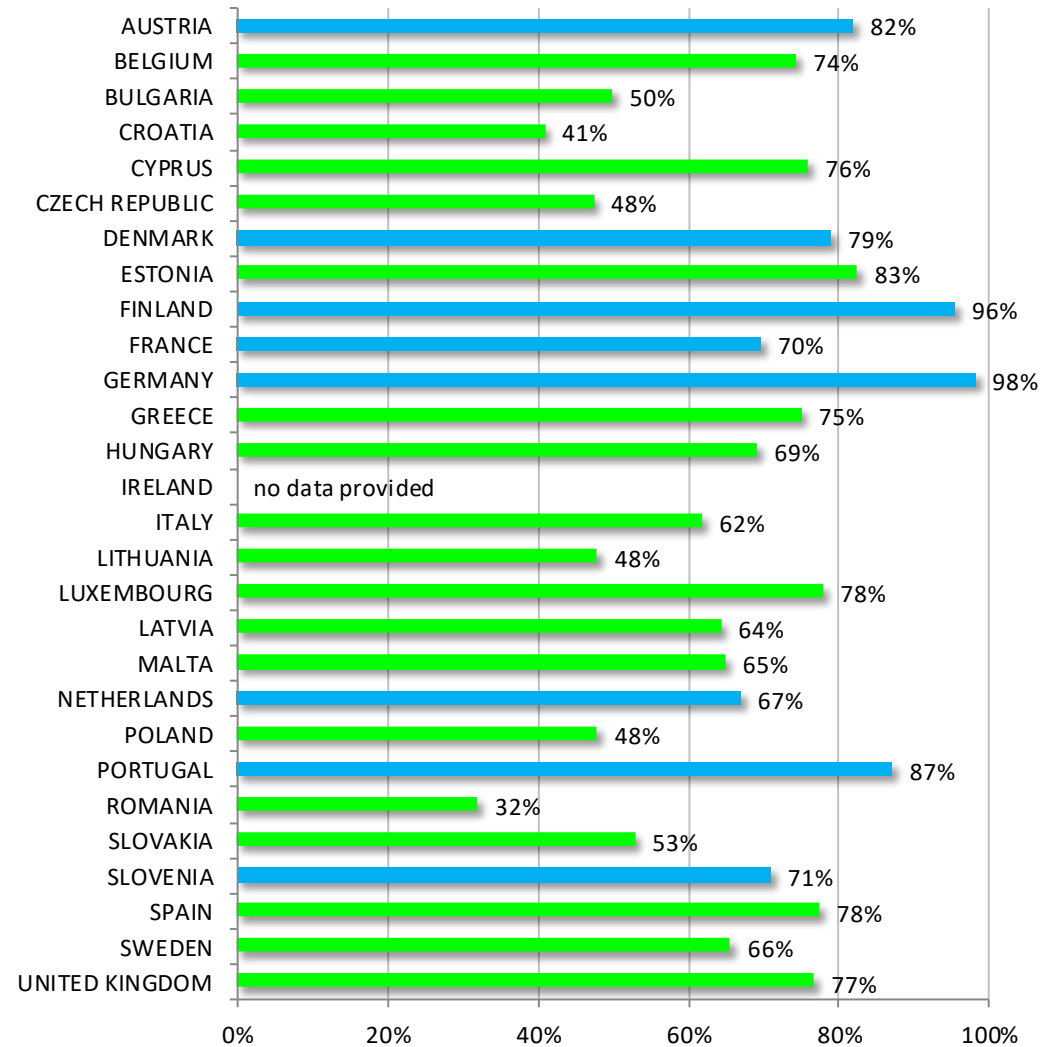
## % of VW vehicles that have been recalled & updated



# Audi

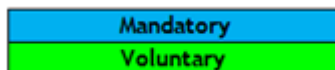
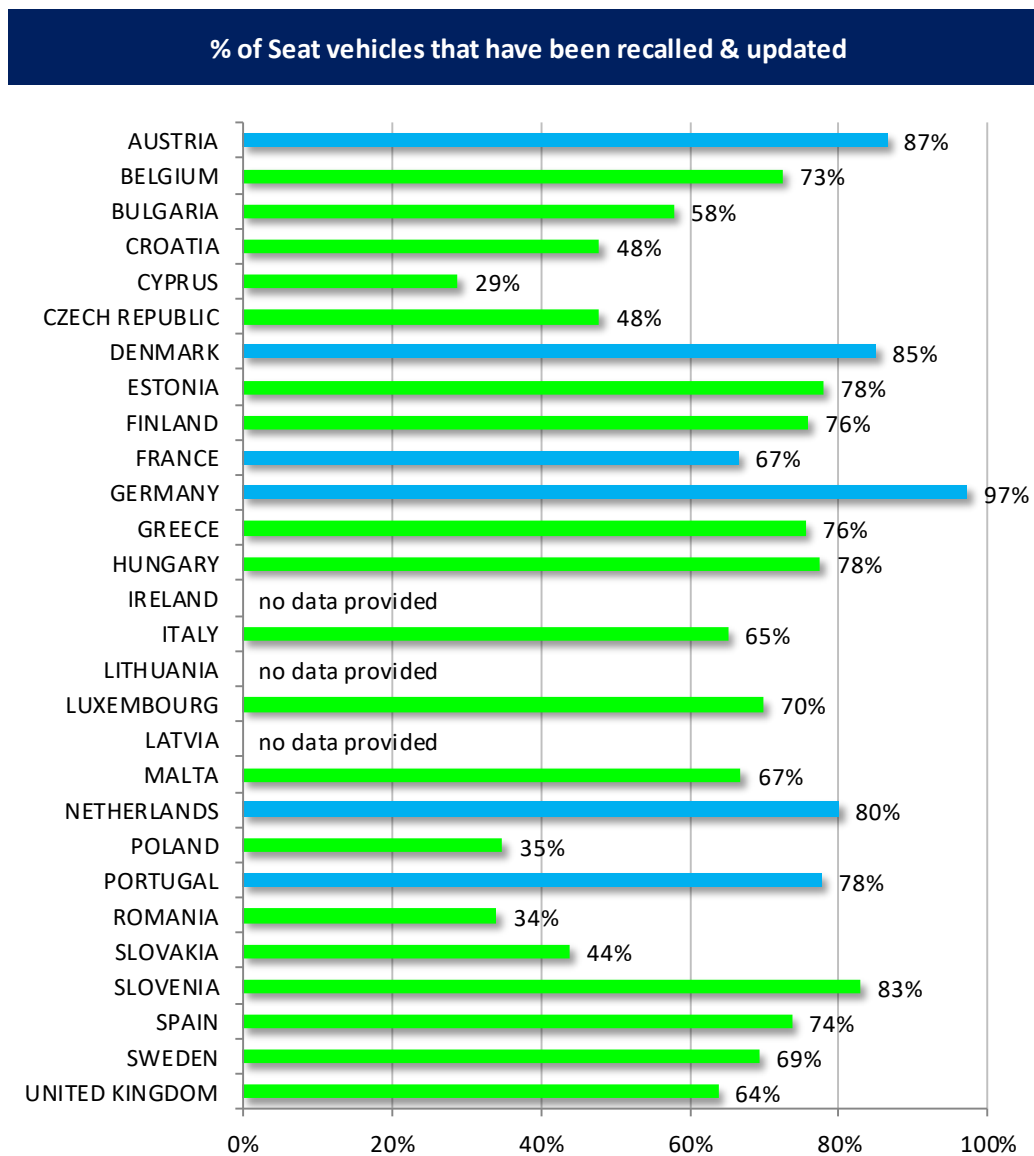
Total number of Audi vehicles to be recalled	
AUSTRIA	91147
BELGIUM	87020
BULGARIA	2424
CROATIA	7087
CYPRUS	866
CZECH REPUBLIC	9490
DENMARK	18260
ESTONIA	958
FINLAND	16393
FRANCE	247804
GERMANY	453088
GREECE	2492
HUNGARY	6596
IRELAND	No data provided
ITALY	237456
LITHUANIA	1408
LUXEMBOURG	8183
LATVIA	1907
MALTA	271
NETHERLANDS	16852
POLAND	22539
PORTUGAL	35659
ROMANIA	19836
SLOVAKIA	8069
SLOVENIA	11684
SPAIN	160673
SWEDEN	55127
UNITED KINGDOM	393514

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



# Seat

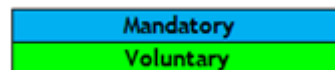
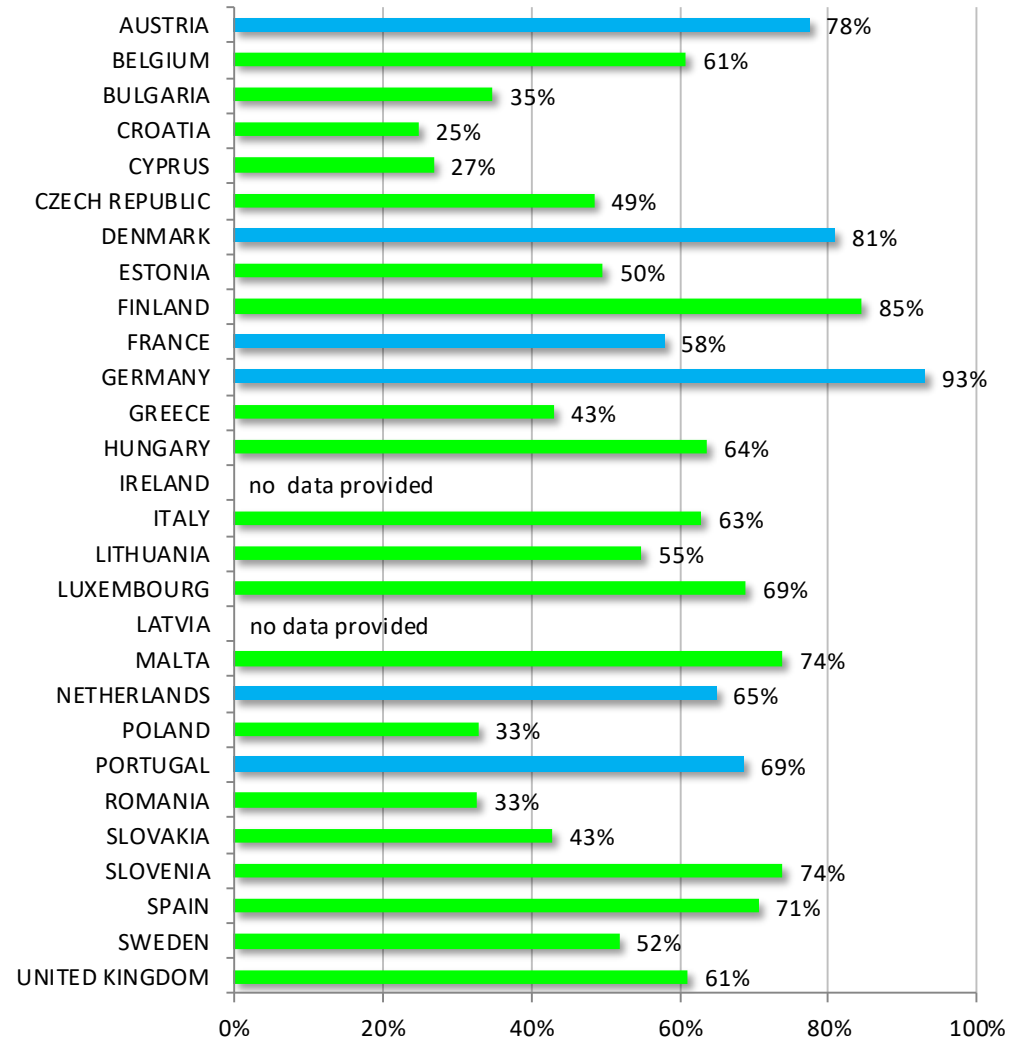
Total number of Seat vehicles to be recalled	
AUSTRIA	31971
BELGIUM	113
BULGARIA	183
CROATIA	935
CYPRUS	113
CZECH REPUBLIC	2305
DENMARK	5804
ESTONIA	114
FINLAND	2397
FRANCE	93474
GERMANY	101493
GREECE	2525
HUNGARY	702
IRELAND	No data provided
ITALY	31420
LITHUANIA	No data provided
LUXEMBOURG	2409
LATVIA	No data provided
MALTA	36
NETHERLANDS	23226
POLAND	3839
PORTUGAL	23188
ROMANIA	1246
SLOVAKIA	3355
SLOVENIA	1477
SPAIN	204713
SWEDEN	2091
UNITED KINGDOM	75140



# Škoda

Total number of Skoda vehicles to be recalled	
AUSTRIA	51371
BELGIUM	31070
BULGARIA	3806
CROATIA	7086
CYPRUS	121
CZECH REPUBLIC	94955
DENMARK	11736
ESTONIA	1891
FINLAND	16906
FRANCE	57029
GERMANY	261069
GREECE	6624
HUNGARY	10382
IRELAND	No data provided
ITALY	30775
LITHUANIA	3761
LUXEMBOURG	2933
LATVIA	No data provided
MALTA	31
NETHERLANDS	21930
POLAND	55942
PORTUGAL	8302
ROMANIA	17035
SLOVAKIA	39120
SLOVENIA	4526
SPAIN	32455
SWEDEN	26060
UNITED KINGDOM	129296

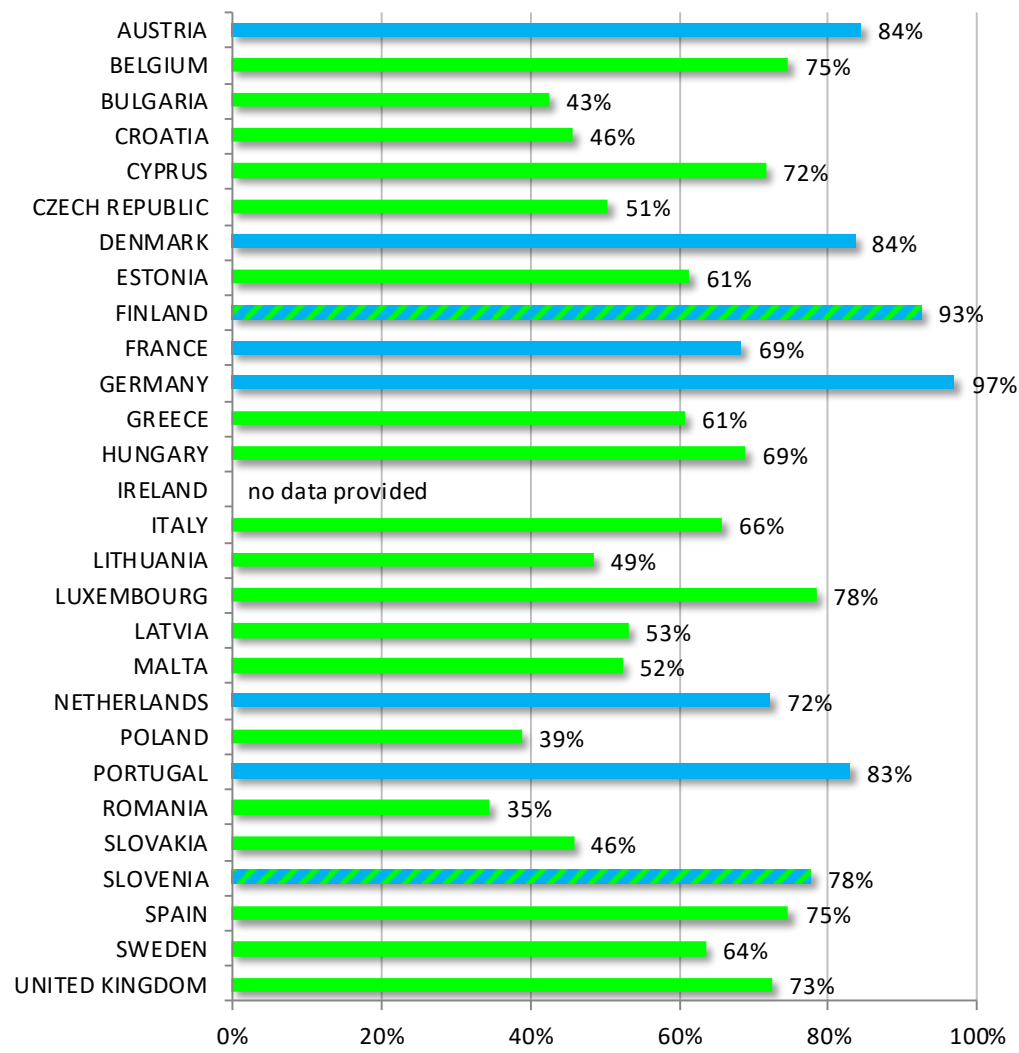
% of Skoda vehicles that have been recalled & updated



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

Total number of vehicles concerned by the recalls on the VW EA189 engine	
AUSTRIA	397400
BELGIUM	258881
BULGARIA	12997
CROATIA	44499
CYPRUS	1810
CZECH REPUBLIC	158542
DENMARK	81470
ESTONIA	2963
FINLAND	70261
FRANCE	1005635
GERMANY	2243684
GREECE	20209
HUNGARY	35729
IRELAND	No data provided
ITALY	671126
LITHUANIA	13938
LUXEMBOURG	28365
LATVIA	9937
MALTA	774
NETHERLANDS	166572
POLAND	155993
PORTUGAL	124862
ROMANIA	81516
SLOVAKIA	82497
SLOVENIA	47551
SPAIN	674697
SWEDEN	221117
UNITED KINGDOM	1176898

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



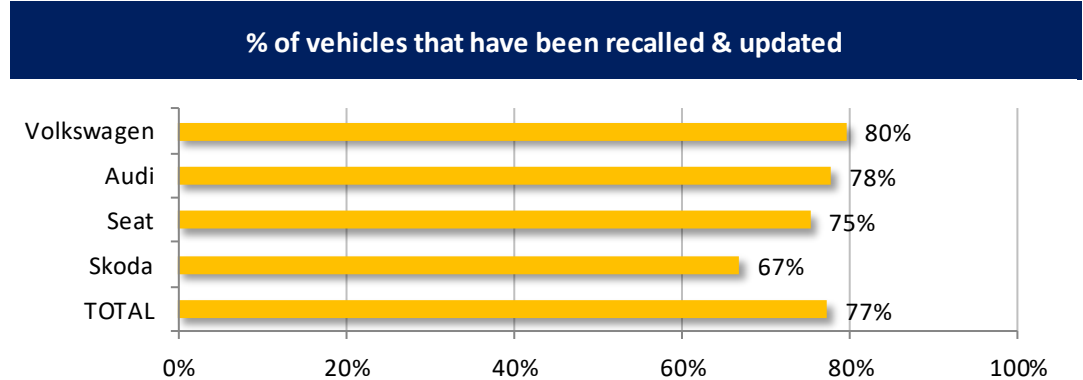
**Mandatory**  
**Voluntary**





# 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	4.338.642
Audi	1.916.803
Seat	614.269
Skoda	926.212
TOTAL	7.795.926



# **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	222911	86,8
	AUDI	91147	82
	SEAT	31971	86,5
	Škoda	51371	77,5

Last updated: April 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	6584	44
	AUDI	2424	50
	SEAT	183	58
	Škoda	3806	35

Last updated: June 2018

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	51792	55
	AUDI	9490	47,5
	SEAT	2305	48
	Škoda	94955	48,6

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Denmark	VW	45670	86
	AUDI	18260	79
	SEAT	5804	85
	Škoda	11736	81

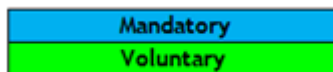
Last updated: March 2018

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	34565	96,3
	AUDI	16393	95,5
	SEAT	2397	76
	Škoda	16906	84,6

Last updated: December 2017



Member State	Brand	Number of vehicles to be recalled	% recalled & updated
France	VW	607328	69,3
	AUDI	247804	69,7
	SEAT	93474	66,6
	Škoda	57029	58

Last updated: August 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Germany	VW	1428034	97,5
	AUDI	453088	98,2
	SEAT	101493	97,3
	Škoda	261069	93,1

Last updated: September 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Greece	VW	8568	66,1
	AUDI	2492	75,1
	SEAT	2525	75,64
	Škoda	6624	43,2

Last updated: May 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

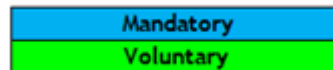
Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Luxembourg	VW	14840	82
	AUDI	8183	78
	SEAT	2409	70
	Škoda	2933	69

Last updated: January 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Latvia	VW	8030	50,7
	AUDI	1907	64,43
	SEAT	No data provided	
	Škoda	No data provided	

Last updated: March 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	73673	41
	AUDI	22539	48
	SEAT	3839	35
	Škoda	55942	33

Last updated: June 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	43399	36,6
	AUDI	19836	32,1
	SEAT	1246	34,2
	Škoda	17035	32,9

Last updated: August 2018

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	35867	80
	AUDI	11684	71
	SEAT	1477	83
	Škoda	4526	74

Last updated: August 2018

Member State	Brand	Number of vehicles to be recalled	% recalled & updated
Spain	VW	276856	74,5
	AUDI	160673	77,5
	SEAT	204713	73,8
	Škoda	32455	70,7

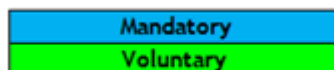
Last updated: September 2018

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

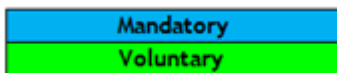
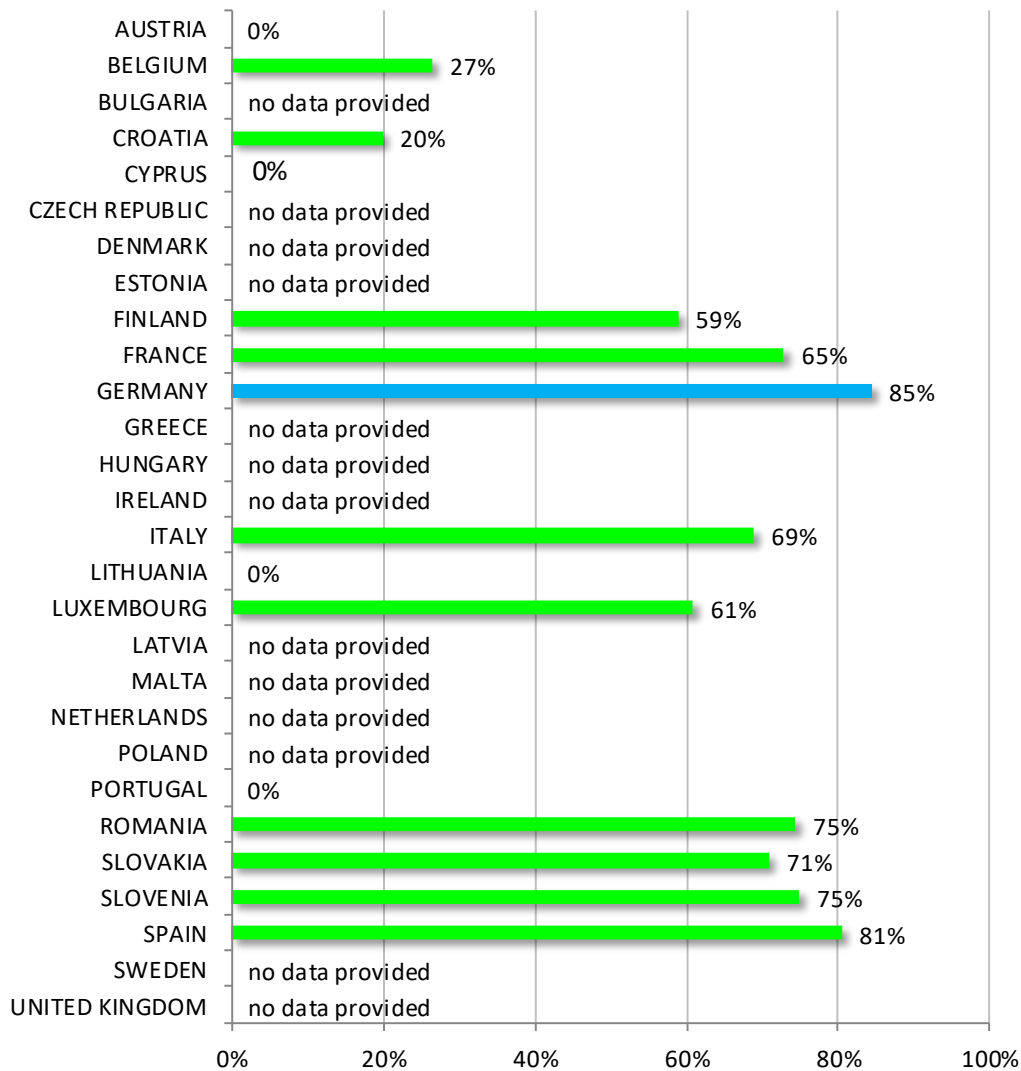


**Data of the VW group  
related to vehicles equipped with  
another (non EA189) engine**

# Porsche Cayenne

Total number of Porsche Cayenne to be recalled	
AUSTRIA	434
BELGIUM	436
BULGARIA	No data provided
CROATIA	27
CYPRUS	64
CZECH REPUBLIC	No data provided
DENMARK	No data provided
ESTONIA	No data provided
FINLAND	249
FRANCE	1426
GERMANY	5906
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

## % of Porsche Cayenne that have been recalled & updated



<b>OTHER VW group vehicles (non EA189 engine)</b>			
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>			
GERMANY	Mandatory	77600 (DE)	no data provided
		127000 (EU-wide)	no data provided
<b>Audi A6 3.0L</b>			
GERMANY	Voluntary <sup>4</sup>	3350 (DE)	32%
		4689 (EU-wide)	30%
<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>			
GERMANY	Voluntary <sup>4</sup>	9285 (DE)	95%
		33565 (EU-wide)	92%
GERMANY	Mandatory	no data provided	no data provided
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	26272	85%
ROMANIA	Voluntary	1383	61%
SLOVENIA	Mandatory	50	82%

<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

## 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>BMW</b>				
FRANCE	Voluntary	550d / 750d 3.0L	585	no data provided
GERMANY	Mandatory	550d / 750d 3.0L	3598	60%
ITALY	Voluntary	X1	45	71%
ITALY	Voluntary	5 & 7 series	178	2%
<b>Dacia</b>				
FRANCE	Voluntary		67077 (FR)	11%
			298710 (EU-wide) <sup>5</sup>	14%
ITALY	Voluntary <sup>4</sup>		52636	7%
<b>Daimler</b>				
AUSTRIA	Voluntary		7041	91%
FRANCE	Voluntary	A / B / GLA / CLA 180d	25640	73%
GERMANY	Mandatory	Vito / GLC220 / GLC250 / C220 / CLS350 / E350 / G350 / S300 / S350 / V class	238000 (DE)	no data provided
			774000 (EU-wide)	no data provided
GERMANY	Voluntary <sup>4</sup>	A / B / GLA / CLA 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%

<sup>4</sup>Voluntary service campaign

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

## 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	77%
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	80%
ITALY	Voluntary <sup>4</sup>	Lancia	13985	52%
ITALY	Voluntary <sup>4</sup>	Jeep	39808	76%
ITALY	Voluntary <sup>4</sup>	FCA total	254179 (IT)	72%
			469938 (EU-wide)	72%
NETHERLANDS	Voluntary <sup>4</sup>	FCA total	1549	78%
<b>Nissan</b>				
SPAIN	Voluntary		1745	96%
<b>Opel</b>				
AUSTRIA	Voluntary		452	71%
FRANCE	Voluntary	Insignia 2.0	1076	73%
FRANCE	Voluntary	Zafira 2.0 / Cascada 2.0	526	24%
FRANCE	Voluntary	Zafira 1.6	7311	14%
GERMANY	Voluntary <sup>4</sup>	Insignia 2.0	14627 (DE)	79%
			34995 (EU-wide)	70%
GERMANY	Voluntary <sup>4</sup>	Zafira 2.0 / Cascada 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		149	91%
FRANCE	Mandatory	Captur / Kadjar	6280 (FR)	87%
			11461 (EU-wide) <sup>6</sup>	85%
FRANCE	Voluntary		405943 (FR)	10%
			1018452 (EU-wide) <sup>5</sup>	9%
ITALY	Voluntary		1654	76%
ITALY	Voluntary <sup>4</sup>		146446	5%
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).