

Make	Model (MY 2017)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Ford	Escape 1.5L GTDI	SUV	7.5	680	1.1
Ford	Escape/MKC 2.0L GTDI	SUV	7.4	680	1.1
Ford	Escape 2.5L	SUV	7.5	680	1.1
Ford	Fusion 1.5L GTDI	Passenger Car	7.4	510	1.5
Ford	Fusion/MKZ 2.0L GTDI	Passenger Car	8.2	620	1.3
Ford	Fusion 2.5L iVCT	Passenger Car	8.2	620	1.3
Ford	Fusion 2.7L GTDI	Passenger Car	8.2	510	1.6
Ford	Fusion/MKZ HEV/PHEV	Passenger Car	9.2	510	1.8
Ford	Mustang 2.3L GTDI I4	Passenger Car	7.3	650	1.1
Ford	Mustang 3.7L TiVCT V6	Passenger Car	7.1	650	1.1
Ford	Mustang 5.0L FFv TiVCT V6	Passenger Car	7.1	650	1.1
Ford	Mustang GT350 5.2L	Passenger Car	7.1	650	1.1
Ford	Explorer 2.3L GTDI (dual evaporator)	SUV	11.0	1280	0.9
Ford	Explorer 3.5L GTDI (dual evaporator)	SUV	10.9	1280	0.9
Ford	Explorer 3.5L TiVCT (dual evaporator)	SUV	11.0	1160	0.9
Ford	Explorer 3.5L/3.7L TiVCT (dual evaporator)	SUV	11.0	1080	1.0
Ford	Police interceptor utility 3.7 TiVCT	SUV	10.5	740	1.4
Ford	Police interceptor utility 3.5L GTDI	SUV	10.4	960	1.1
Ford	Expedition/Navigator 3.5L 4V GTDI V6 (short wheelbase) (dual evaporator)	SUV	11.9	1250	1.0
Ford	Expedition/Navigator 3.5L 4V GTDI V6 (long wheelbase) (dual evaporator)	SUV	9.0	1130	0.8
Ford	Transit 3.2L diesel I5	Wagon	7.4	790	0.9
Ford	Transit 3.2L diesel I5, 130 inch wheelbase (dual evaporator)	Wagon	8.1	1110	0.7
Ford	Transit 3.2L diesel I5 148 inch wheelbase (dual evaporator)	Wagon	8.2	1110	0.7
Ford	Transit 3.2L diesel I5 148 inch wheelbase ext body (dual evaporator)	Wagon	8.3	1110	0.7
Ford	Transit 3.7L TiVCT & 3.5L GTDI V6	Wagon	7.2	790	0.9
Ford	Transit 3.7L TiVCT V6 130 inch wheelbase (dual evaporator)	Wagon	7.9	1110	0.7
Ford	Transit 3.7L TiVCT V6 148 inch wheelbase (dual evaporator)	Wagon	8.0	1110	0.7
Ford	Transit 3.7L TiVCT V6 148 inch wheelbase ext body (dual evaporator)	Wagon	8.1	1110	0.7
Ford	Transit 3.5L GTDI V6 130 inch wheelbase (dual evaporator)	Wagon	7.9	1190	0.7
Ford	Transit 3.5L GTDI V6 148 inch wheelbase (dual evaporator)	Wagon	8.0	1190	0.7
Ford	Transit 3.5L GTDI V6 148 inch ext wheelbase (dual evaporator)	Wagon	8.1	1190	0.7
Ford	Transit connect 1.6L GTDI	Wagon	7.4	680	1.1
Ford	Transit connect 1.6L GTDI (dual evaporator)	Wagon	7.9	880	0.9

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Ford	Transit connect 2.5L	Wagon	7.3	680	1.1
Ford	Transit connect 2.5L (dual evaporator)	Wagon	7.8	880	0.9
Ford	Focus RS 2.3L GTDI RS	Passenger Car	7.5	680	1.1
Ford	F150 2.7L GTDI	Pick-up	7.2	820	0.9
Ford	F150 3.5L/5.0L TiVCT	Pick-up	7.2	820	0.9
Ford	F150 3.5L GTDI	Pick-up	7.3	820	0.9
Ford	F150 raptor 3.5L GTDI	Pick-up	7.1	880	0.8
Ford	Flex/MKT 3.5L GTDI (dual evaporator)	Crossover	10.3	1110	0.9
Ford	Flex/MKT 3.5L/3.7L TiVCT (dual eevaporator)	Crossover	10.5	1050	1.0
Ford	Edge 2.0L GTDI	SUV	8.7	680	1.3
Ford	Edge 3.5L TiVCT	SUV	8.4	680	1.2
Ford	Edge/MKX 2.7L GTDI	SUV	8.4	600	1.4
Ford	GT 3.5L GTDI	Passenger Car	8.3	680	1.2
Ford	Taurus 2.0L GTDI	Passenger Car	9.8	740	1.3
Ford	Taurus 3.5L GTDI	Passenger Car	9.6	740	1.3
Ford	Police interceptor sedan 3.5L GTDI	Passenger Car	9.6	740	1.3
Ford	Taurus 3.5L/3.7L TiVCT	Passenger Car	9.8	650	1.5
Ford	Police interceptor sedan 3.5L/3.7L TiVCT	Passenger Car	9.8	650	1.5
Ford	Fiesta 1.6L TiVCT	Passenger Car	7.4	600	1.2
Ford	Fiesta 1.6L TiVCT GTDI	Passenger Car	7.4	680	1.1
Ford	Fiesta 1.0L TiVCT GTDI	Passenger Car	7.4	680	1.1
Ford	Focus 1.0L GTDI	Passenger Car	7.5	600	1.3
Ford	Focus 2.0L TiVCT GDI	Passenger Car	7.3	600	1.2
Ford	Focus 2.0L TiVCT GTDI	Passenger Car	7.5	600	1.3
Ford	Focus BEV	Passenger Car	5.9	600	1.0
Ford	C-Max HEV/PHEV	Passenger Car	4.5	740	0.6
General Motors	Buick envision (dual evaporator)	SUV	8.0	600	1.3
General Motors	Buick enclave (dual evaporator)	Crossover	12.1	1050	1.2
General Motors	Buick encore	SUV	9.0	570	1.6
General Motors	Buick regal	Passenger Car	8.1	625	1.3
General Motors	Buick verano	Passenger Car	7.8	650	1.2
General Motors	Chevrolet city express cargo van	Other	14.1	450	3.1
General Motors	GMC terrain	SUV	8.0	650	1.2

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General Motors	GMC savana (dual evaporator)	Other	10.6	1410	0.8
General Motors	GMS savana	Other	9.5	810	1.2
General Motors	Chevrolet sonic	Passenger Car	9.8	540	1.8
General Motors	Chevrolet traverse	Crossover	12.1	1050	1.2
General Motors	Chevrolet trax	SUV	9.0	570	1.6
General Motors	Chevrolet volt	Passenger Car	5.9	1100	0.5
General Motors	Chevrolet corvette	Passenger Car	8.3	600	1.4
General Motors	Chevrolet equinox	SUV	8.0	650	1.2
General Motors	Chevrolet express (dual evaporator)	Other	10.6	1410	0.8
General Motors	Chevrolet express	Other	9.5	810	1.2
General Motors	Chevrolet impala	Passenger Car	7.9	625	1.3
General Motors	Cadillac ELR	Passenger Car	6.0	1100	0.5
Honda	Acura ILX 2.4L	Passenger Car	14.4	425	3.4
Honda	Acura RDX	SUV	16.3	480	3.4
Honda	Acura RLX hybrid	Passenger Car	12.6	485	2.6
Honda	Acura RLX	Passenger Car	15.3	500	3.1
Honda	Honda Fit	Passenger Car	15.4	425	3.6
Honda	Honda HR-V	Passenger Car	14.8	455	3.2
Honda	Accord L4 sedan/coupe	Passenger Car	15.2	475	3.2
Honda	Accord V6 sedan/coupe	Passenger Car	15.2	475	3.2
Honda	Acura TLX L4	Passenger Car	14.5	525	2.8
Honda	Acura TXL V6	Passenger Car	14.3	525	2.7
Honda	Acura NSX	Passenger Car	6.1	505	1.2
Honda	Acura MDX	SUV	15.8	700	2.3
Honda	Acura MDX hybrid	SUV	9.3	700	1.3
Honda	Accord hybrid	Passenger Car	10.7	435	2.5
Honda	Odyssey	Mini-van	18.8	755	2.5
Hyundai	Elantra 1.4L	Passenger Car	12.1	500	2.4
Hyundai	Elantra 2.0L	Passenger Car	12.2	500	2.4
Hyundai	G90 3.3L	Passenger Car	12.8	700	1.8
Hyundai	G90 5.0L	Passenger Car	13.3	700	1.9
Hyundai	IONIQ, IONIQ blue	Passenger Car	11.1	600	1.9

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Kia	Optima Hybrid	Passenger Car	11.5	570	2.0
Kia	Kia Niro, Niro ECO, Niro Touring	Passenger Car	11.1	550	2.0
Kia	Kia Soul EV (w/ heat pump system)	Passenger Car	24.5	900	2.7
Kia	Kia Soul EV	Passenger Car	12.5	550	2.3
Lincoln	MKC 2.3 GTDI	SUV	7.4	680	1.1
Lincoln	MKZ 3.0L GTDI	Passenger Car	8.2	510	1.6
Lincoln	Continental 2.0L GTDI	Passenger Car	8.7	680	1.3
Lincoln	Continental 2.7L/3.0L GTDI	Passenger Car	8.3	570	1.5
Lincoln	Continental 3.7L GTDI	Passenger Car	8.2	570	1.4
Lincoln	MKT Livery 2.0L GTDI (dual evaporator)	Crossover	10.3	1110	0.9
Lincoln	MKX 3.7L TiVCT	SUV	8.4	680	1.2
Mazda	Mazda 2 1.5L	Passenger Car	20.7	420	4.9
Mazda	Mazda 3 2.0L 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda 3 2.0L 2.5L (mexico plant)	Passenger Car	12.1	490	2.5
Mazda	Mazda 6 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda MX-5, 2.0L	Passenger Car	17.1	420	4.1
Mazda	Mazda CX-3, 2.0L	Passenger Car	23.9	420	5.7
Mazda	Mazda CX-5, 2.0L, 2.5L	SUV	14.5	490	3.0
Mazda	Mazda CX-9, 2.5L	SUV	16.9	750	2.3
Mazda	Mazda CX-5, 2.2L Diesel	SUV	13.8	490	2.8
Mercedes	E-class coupe/convertible, CSL-class	Passenger Car	10.7	590	1.8
Mercedes	S 550 e (dual evaporator)	Passenger Car	6.4	710	0.9
Mercedes	S 550 e (dual evaporator)	Passenger Car	7.2	820	0.9
Mercedes	S-class, S-class coupe, maybach S-class	Passenger Car	8.9	660	1.3
Mercedes	S-class, Maybach S-class (dual evaporator)	Passenger Car	9.5	770	1.2
Mercedes	GLE-class, GLS-class	SUV	10.6	1050	1.0
Mercedes	GLS-class (dual evaporator)	SUV	14.6	1300	1.1
Mercedes	G-class	SUV	11.4	900	1.3
Mercedes	SLC-class	Passenger Car	10.7	550	1.9
Mercedes	SL-class	Passenger Car	10.5	550	1.9
Mercedes	CLA-class, GLA-class	Passenger Car	9.9	650	1.5
Mercedes	Smart	Passenger Car	10.4	475	2.2
Mercedes	GLE 550 e (dual evaporator)	Passenger Car	7.9	1050	0.8

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Mercedes	AMG GT, AMG GT S	Passenger Car	11.4	640	1.8
Mercedes	B 250 e (dual evaporator)	Passenger Car	9.8	750	1.3
Mercedes	C-class, GLC-class, E-class	Passenger Car	8.1	630	1.3
Mercedes	C 350 e (double evaporator)	Passenger Car	6.7	670	1.0
Mitsubishi	Mirage 1.2L, Mirage G4	Passenger Car	11.2	270	4.2
Mitsubishi	Lancer 2.0L 2.4L	Passenger Car	12.9	500	2.6
Mitsubishi	Outlander sport 2.0L and 2.4L	SUV	11.3	500	2.3
Mitsubishi	Outlander 2.4L	SUV	12.1	550	2.2
Mitsubishi	Outlander 3.0L	SUV	12.2	550	2.2
Mitsubishi	i-MiEV	Passenger Car	7.5	325	2.3
Mitsubishi	Outlander PHEV (dual evaporator)	SUV	9.7	515	1.9
Nissan	Murano	SUV	9.7	550	1.8
Nissan	Murano hybrid	SUV	9.7	550	1.8
Nissan	NV200 NYC taxi (dual evaporator)	Other	12.8	600	2.1
Nissan	LEAF (SV/SL grade)	Passenger Car	12.3	850	1.4
Nissan	LEAF (S grade)	Passenger Car	10.1	450	2.2
Nissan	Frontier 4.0L	Pick-up	9.9	700	1.4
Nissan	Frontier 2.5I	Pick-up	9.9	700	1.4
Nissan	Versa hatchback	Passenger Car	9.9	400	2.5
Nissan	Rogue hybrid	Crossover	6.4	500	1.3
Nissan	Infinity Q50 2.0L turbo	Passenger Car	14.0	500	2.8
Nissan	Infinity QX80 (dual epevaporator)	SUV	15.6	1050	1.5
Nissan	Infinity Q50 3.0L turbo	Passenger Car	14.4	500	2.9
Nissan	Altima 3.5L	Passenger Car	12.4	525	2.4
Nissan	Infinity Q60 2.0L turbo	Passenger Car	14.0	500	2.8
Nissan	Juke	Passenger Car	14.5	400	3.6
Nissan	Infinity Q70 3.7L	Passenger Car	13.4	550	2.4
Nissan	Rogue	Crossover	10.4	500	2.1
Nissan	Infinity Q70 5.6L	Passenger Car	13.9	550	2.5
Nissan	Quest (dual evaporator)	Mini-van	20.4	900	2.3
Nissan	Infinity Q70 hybrid	Passenger Car	13.3	550	2.4
Nissan	Pathfinder (dual epevaporator)	SUV	15.2	830	1.8
Nissan	Infinity QX60 Hybrid (dual epevaporator)	SUV	14.8	625	2.4

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Nissan	NV200	Other	9.9	450	2.2
Nissan	Infinity QX60	SUV	12.7	625	2.0
Nissan	Comact cargo van	Other	9.9	450	2.2
Nissan	Armada (dual evaporator)	SUV	16.1	1050	1.5
Nissan	Titan	Pick-up	11.7	750	1.6
Nissan	Sentra	Passenger Car	9.8	45	21.8
Nissan	Sentra (turbo)	Passenger Car	10.5	450	2.3
Nissan	Versa sedan	Passenger Car	9.9	400	2.5
Nissan	Infinity QX50	Crossover	13.7	500	2.7
Nissan	Infiniti Q60 (3.0L turbo)	Passenger Car	14.3	500	2.9
Nissan	Infiniti QX30	Crossover	9.0	650	1.4
Nissan	Infiniti QX70	SUV	13.8	500	2.8
Nissan	Nissan GTR	Passenger Car	11.8	500	2.4
Nissan	Nissan 370Z	Passenger Car	13.2	500	2.6
Nissan	Maxima	Passenger Car	12.2	525	2.3
Nissan	Rogue sport	Crossover	12.5	500	2.5
Nissan	Altima 2.5L	Passenger Car	12.6	525	2.4
Porsche	Macan/S/GTS/Turbo/Turbo kit	SUV	11.8	700	1.7
Porsche	Cayenne/Platinum/S/GTS/Diesel/S Hybrid/Turbo	SUV	11.8	700	1.7
Porsche	Boxster/Boxster S/Cayman/ Cayman S	Passenger Car	15.0	900	1.7
Porsche	All 911 carrera models, 911 carrera s models, and 911 turbo models	Passenger Car	15.3	950	1.6
Porsche	Panamera/ 4 /4 Executive/4 S/ 4S Executive/ Turbo/ Turbo Executive	Passenger Car	12.0	540	2.2
Subaru	Impreza w/ automatically controlled A/C system	Passenger Car	17.0	475	3.6
Subaru	Impreza w/ manually controlled A/C system	Passenger Car	14.1	475	3.0
Subaru	BRZ	Passenger Car	15.5	390	4.0
Subaru	Crosstrek	Crossover	16.9	450	3.8
Subaru	Forester	SUV	16.8	450	3.7
Subaru	WRX (except STI)	Passenger Car	16.7	450	3.7
Subaru	WRX STI	Passenger Car	13.8	450	3.1
Toyota	Highlander hybrid (dual evaporator)	SUV	9.6	870	1.1
Toyota	Highlander 3.5L with s&s (dual evaporator)	SUV	16.3	820	2.0
Toyota	Highlander 2.7L (dual evaporator)	SUV	15.3	820	1.9
Toyota	Highlander 3.5L with s&s (dual evaporator)	SUV	15.5	820	1.9

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Toyota	Land crusier wagon (with coolbox) (dual evaporator)	SUV	20.7	920	2.3
Toyota	Land crusier wagon (with coolbox) (dual evaporator)	SUV	26.6	970	2.7
Toyota	Sequia (dual evaporator)	SUV	19.6	890	2.2
Toyota	Sienna (dual evaporator)	Mini-van	18.1	780	2.3
Toyota	Toyota 4runner	SUV	15.3	550	2.8
Toyota	Tundra (1UR/3UR B-cab)	Pick-up	15.2	600	2.5
Toyota	Tundra (1UR/3UR C-cab, D-cab)	Pick-up	15.1	600	2.5
Toyota	Camry 2.5L	Passenger Car	11.9	500	2.4
Toyota	Camry 3.5L	Passenger Car	12.0	500	2.4
Toyota	Camry Hybrid	Passenger Car	5.8	530	1.1
Toyota	Corolla iM	Passenger Car	14.1	450	3.1
Toyota	Mirai	Passenger Car	7.6	470	1.6
Toyota	Prius	Passenger Car	7.4	470	1.6
Toyota	Prius c	Passenger Car	7.5	420	1.8
Toyota	Prius prime	Passenger Car	19.3	1060	1.8
Toyota	Prius v	Passenger Car	8.3	470	1.8
Toyota	Yaris	Passenger Car	12.5	360	3.5
Toyota	Lexus CT 200h	Passenger Car	8.3	470	1.8
Toyota	Lexus LS 460/ LS 460 L	Passenger Car	16.0	550	2.9
Toyota	Lexus LX 570 (with coolbox, dual evaporator)	SUV	26.6	970	2.7
Toyota	Lexus GS 450H	Passenger Car	7.9	500	1.6
Toyota	Lexus LS 460/ LS 460 L (dual evaporator)	Passenger Car	19.4	700	2.8
Toyota	Lexus NX 200t	SUV	14.1	500	2.8
Toyota	Lexus GX 460	SUV	15.1	550	2.7
Toyota	Lexus LS 460 AWD/LS 460 L AWD	Passenger Car	15.3	550	2.8
Toyota	Lexus NX 300 h	SUV	8.4	530	1.6
Toyota	Lexus GX 460 (without coolbox, dual evaporator)	SUV	22.5	800	2.8
Toyota	Lexus LS 460 AWD/LS 460 L AWD (dual evaporator)	Passenger Car	19.2	700	2.7
Toyota	Lexus RX 350	SUV	19.7	500	3.9
Toyota	Lexus GX 460 (with coolbox, dual evaporator)	SUV	25.6	870	2.9
Toyota	Lexus LX 570 (without coolbox, dual evaporator)	SUV	20.7	920	2.3
Toyota	Lexus RX 450h	SUV	7.9	500	1.6
Toyota	Toyota 86	Passenger Car	15.5	390	4.0

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Volvo	S90 T8, XC90 T8 4 seater (P-HEV)	SUV	6.5	775	0.8
Volvo	XC90 T5 FWD and AWD (5 seater)	SUV	12.2	750	1.6
Volvo	S90/ V90/ V90 CC T6 AWD/ S90/ V90 T5	Passenger Car	12.2	700	1.7
Volvo	XC 90 T6 AWD, XC90 T5 FWD and AWD	SUV	15.5	510	3.0
Volvo	XC90 T8 P-HEV (dual evaporation)	SUV	9.8	1100	0.9
Volvo	S60/ S60 CC/ S60 Inscr. / V60/ V60CC/ XC60	SUV	10.1	800	1.3