

Make	Model (MY 2016)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Ford	Fusion 1.6L GDI	Passenger Car	7.8	570	1.4
Ford	Fusion 2.5L iVCT	Passenger Car	8.7	680	1.3
Ford	Escape 1.6L GDI	SUV	8.4	680	1.2
Ford	Escape 2.5L	SUV	8.0	680	1.2
Ford	Police Interceptor Sedan 3.5 GTDI	Passenger Car	9.6	740	1.3
Ford	Police Interceptor Sedan 3.5L/3.7L TiVCT	Passenger Car	9.8	650	1.5
Ford	Ford Focus RS 2.3L GDI RS	Passenger Car	7.4	600	1.2
Ford	Mustang Shelby GT500 5.2L	Passenger Car	7.1	650	1.1
Ford	Transit 3.5L GTDI V6 148" wheelbase ext body (dual)	Van	8.1	1190	0.7
Ford	Transit 3.5L GTDI V6 148" wheelbase (dual)	Van	8.0	1190	0.7
Ford	Transit 3.5L GTDI V6 130" wheelbase (dual)	Van	7.9	1190	0.7
Ford	Transit 3.7L TiVCT V6 148" wheelbase ext body (dual)	Van	8.1	1110	0.7
Ford	Transit 3.7L TiVCT V6 148" wheelbase (dual)	Van	8.0	1110	0.7
Ford	Transit 3.7L TiVCT V6 130" wheelbase (dual)	Van	7.9	1110	0.7
Ford	Transit 3.7L TiVCT And 3.5L GTDI V6	Van	7.2	790	0.9
Ford	Transit 3.2L Diesel I5, 148" wheelbase ext body (dual)	Van	8.3	1110	0.7
Ford	Transit 3.2L Diesel I5, 148" wheelbase (dual)	Van	8.2	1110	0.7
Ford	Transit 3.2L Diesel I5, 130" wheelbase (dual)	Van	8.1	1110	0.7
Ford	Transit 3.2L Diesel I5	Van	7.4	790	0.9
Ford	Fiesta 1.0L TiVCT GDI	Passenger Car	7.4	680	1.1
Ford	Fiesta 1.6L TiVCT GDI	Passenger Car	7.4	680	1.1
Ford	Fiesta 1.6L TiVCT	Passenger Car	7.4	600	1.2
Ford	Transit Connect 2.5L (Dual)	Van	7.8	880	0.9
Ford	Transit Connect 2.5L	Van	7.3	680	1.1
Ford	Transit Connect 1.6L GTDI (Dual)	Van	7.9	880	0.9
Ford	Transit Connect 1.6L GTDI	Van	7.4	680	1.1
Ford	Edge 3.5L V6 TiVCT	SUV	8.4	680	1.2
Ford	MKX 3.7L V6 TiVCT	SUV	8.4	680	1.2
Ford	Edge 2.0L I4 GTDI	SUV	8.7	680	1.3
Ford	Police Interceptor Utility 3.5L GTDI	SUV	10.3	960	1.1
Ford	Police Interceptor utility 3.7L TiVCT	SUV	10.4	740	1.4

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Ford	Police Interceptor Utility 3.5L/3.7L TiVCT (dual)	SUV	11.0	1080	1.0
Ford	Explorer 3.5L TiVCT (dual)	SUV	11.0	1160	0.9
Ford	Explorer 3.5L GTDI (dual)	SUV	10.9	1280	0.9
Ford	Explorer 2.3I GTDI (dual)	SUV	11.0	1280	0.9
Ford	F 150 3.5L GDTI 3.5 TiVCT	Pick Up	7.1	880	0.8
Ford	F 150 2.7L GDTI	Pick Up	7.1	880	0.8
Ford	C-Max HEV, PHEV	Passenger Car	4.5	740	0.6
Ford	Focus BEV	Passenger Car	5.8	600	1.0
Ford	Focus 2.0L TiVCT GTDI	Passenger Car	7.3	600	1.2
Ford	Focus 2.0L TiVCT GDI	Passenger Car	7.2	600	1.2
Ford	Focus 1.0L GTDI	Passenger Car	7.3	600	1.2
Ford	Mustang 5.0L FFV TiVCT V8	Passenger Car	7.1	650	1.1
Ford	Mustang 3.7L TiVCT V6	Passenger Car	7.1	650	1.1
Ford	Mustang 2.3L GTDI I4	Passenger Car	7.3	650	1.1
Ford	Escape 2.0L GTDI	SUV	8.0	770	1.0
Ford	F 150 5.0L TiVCT	Pick Up	7.1	880	0.8
Ford/Lincoln	Fusion/MKZ 2.0L GTDI	Passenger Car	8.8	570	1.5
Ford/Lincoln	Fusion/MKZ HEV/PHEV	Passenger Car	3.2	570	0.6
Ford/Lincoln	Taurus/MKS 3.5L GTDI	Passenger Car	9.6	740	1.3
Ford/Lincoln	Taurus/MKS 3.5L/3.7L TiVCT	Passenger Car	9.8	650	1.5
Ford/Lincoln	Flex/MKT 3.5L GTDI (Dual Evaporator)	Crossover	10.2	1110	0.9
Ford/Lincoln	Flex/MKT 3.5L/3.7L TiVCT (Dual Evaporator)	Crossover	10.5	1050	1.0
Ford/Lincoln	Taurus/MKS 2.0L GTDI	Passenger Car	9.8	740	1.3
Ford/Lincoln	Edge/MKX 2.7L V6 GTDI	SUV	8.4	600	1.4
Ford/Lincoln	Expedition/Navigator 3.5L 4V GTDI V6 long wheelbase (dual)	SUV	9.0	1130	0.8
Ford/Lincoln	Expedition/Navigator 3.5L 4V GTDI V6 short wheelbase (dual)	SUV	11.9	1250	1.0
General Motors	Chevrolet Trax	SUV	9.0	570	1.6
General Motors	Buick D2UB (double evaporator)	Passenger Car	8.0	600	1.3
General Motors	Buick Verano	Passenger Car	7.8	650	1.2
General Motors	Cadillac Escalade ESV	SUV	13.3	1020	1.3
General Motors	Chevrolet Captiva	SUV	8.8	575	1.5

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General Motors	Chevrolet Express (dual evaporator)	Other	10.6	1410	0.8
General Motors	Chevrolet Sonic	Passenger Car	9.8	540	1.8
General Motors	GMC Savana	Other	9.5	810	1.2
General Motors	Chevrolet City Express Cargo Van	Other	14.1	450	3.1
General Motors	Buick Enclave (dual evaporator)	Crossover	12.1	1050	1.2
General Motors	Cadillac ATS	Passenger Car	8.1	570	1.4
General Motors	Cadillac Escalade (dual evaporator)	SUV	13.3	1020	1.3
General Motors	Chevrolet Colorado	Pick Up	9.6	650	1.5
General Motors	Chevrolet Express	Other	9.5	810	1.2
General Motors	Chevrolet Spark	Passenger Car	9.3	410	2.3
General Motors	Chevrolet Volt	Passenger Car	5.9	950	0.6
General Motors	GMC Sierra	Pick Up	10.9	600	1.8
General Motors	Buick Encore	SUV	9.0	570	1.6
General Motors	Cadillac CT6 (Dual Evaporator)	Passenger Car	11.0	1010	1.1
General Motors	Cadillac SRX	Crossover	8.7	730	1.2
General Motors	Chevrolet Corvette	Passenger Car	8.3	600	1.4
General Motors	Chevrolet Impala	Passenger Car	8.3	625	1.3
General Motors	Chevrolet Suburban (dual evaporator)	SUV	13.3	1020	1.3
General Motors	GMC Acadia	Crossover	12.1	1050	1.2
General Motors	GMC Terrain	SUV	8.5	650	1.3
General Motors	Buick Lacrosse	Passenger Car	8.1	625	1.3
General Motors	Cadillac CTS	Passenger Car	8.1	550	1.5
General Motors	Cadillac XTS	Passenger Car	8.2	620	1.3
General Motors	Chevrolet Cruze	Passenger Car	7.9	520	1.5
General Motors	Chevrolet Malibu	Passenger Car	7.9	700	1.1
General Motors	Chevrolet Tahoe	SUV	13.3	1020	1.3
General Motors	GMC Canyon	Pick Up	9.6	650	1.5
General Motors	GMC Yukon XL (double evaporator)	SUV	13.3	1020	1.3
General Motors	Buick Regal	Passenger Car	8.1	625	1.3
General Motors	Cadillac ELR	Passenger Car	6.0	1100	0.5
General Motors	Chevrolet Camaro	Passenger Car	8.0	550	1.5

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General Motors	Chevrolet Equinox	SUV	8.5	650	1.3
General Motors	Chevrolet Silverado	Pick Up	10.9	600	1.8
General Motors	Chevrolet Traverse (dual evaporator)	Crossover	12.1	1050	1.2
General Motors	GMC Savana (dual evaporator)	Other	10.6	1410	0.8
General Motors	GMC Yukon (dual evaporator)	SUV	13.3	1020	1.3
Honda	RLX Hybrid	Passenger Car	12.6	485	2.6
Honda	Acura RXL	Passenger Car	15.2	500	3.0
Honda	Honda Fit	Passenger Car	15.4	425	3.6
Honda	Acura ILX 2.4L	Passenger Car	14.4	425	3.4
Honda	Honda HR-V	Passenger Car	14.8	455	3.2
Honda	Acura RDX	SUV	16.3	480	3.4
Honda	Acura MDX	SUV	17.8	700	2.5
Honda	Honda Pilot (Double Evaporator)	SUV	17.1	725	2.4
Honda	Honda Odyssey (Double Evaporator)	Mini Van	18.8	755	2.5
Honda	Honda Accord V6 Sedan/Coupe	Passenger Car	15.2	475	3.2
Honda	Honda CR-Z	Passenger Car	12.2	500	2.4
Honda	Acura TLX L4	Passenger Car	14.5	525	2.8
Honda	Acura TLX V6	Passenger Car	14.3	525	2.7
Honda	Honda CR-V	Passenger Car	14.3	435	3.3
Honda	Honda Civic 4DR 1.5L	Passenger Car	12.3	425	2.9
Honda	Honda Civic 4DR 2.0L	Passenger Car	12.4	425	2.9
Honda	Civic 2dr 1.5L	Passenger Car	12.3	425	2.9
Honda	Civic 2dr 2L	Passenger Car	12.4	425	2.9
Honda	Honda Accord LS Sedan/Coupe	Passenger Car	15.2	475	3.2
Hyundai	Tucson	SUV	14.4	550	2.6
Hyundai	Tucson 1.6, 2.0	Passenger Car	14.1	550	2.6
Hyundai	Sonata Plug-in Hybrid	Passenger Car	11.1	650	1.7
Hyundai	Sonata Hybrid	Passenger Car	11.1	650	1.7
Kia	Sorento 3.3 L (Dual Evaporator)	SUV	18.8	850	2.2
Kia	Sorento 2.0L (Dual Evaporator)	SUV	19.1	850	2.2
Kia	Optima Hybrid	Passenger Car	14.0	650	2.2

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Kia	Soul EV	Passenger Car	12.5	550	2.3
Kia	Soul EV (w/ heat pump system)	Passenger Car	24.8	900	2.8
Kia	Optima 2.0L and 2.4L	Passenger Car	12.5	650	1.9
Kia	Optima 1.6L	Passenger Car	12.8	650	2.0
Lincon	MKZ 3.7L TiVCT	Passenger Car	8.3	680	1.2
Lincon	MKT Livery 2.0L GTDI (Dual Evaporator)	Crossover	10.3	1110	0.9
Lincon	MKC 2.0L 2.3L GTDI	SUV	8.1	680	1.2
Mazda	Mazda 6 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda 2 1.5L	Passenger Car	20.7	420	4.9
Mazda	Mazda MX-5 2.0L	Passenger Car	17.1	420	4.1
Mazda	Mazda 3 2.0L 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda 3 2.0L Mexico Plant	Passenger Car	12.1	490	2.5
Mazda	Mazda CX-9 2.5L (Dual Evaporator)	SUV	16.9	750	2.3
Mazda	Mazda CX-5 2.0L and 2.5L	SUV	15.4	490	3.1
Mazda	Mazda CX-3 2.0L	Passenger Car	23.9	420	5.7
Mercedes-Benz	E-Class; E-Class Coupe/Convertible, CLS-Class	Passenger Car	10.7	590	1.8
Mercedes-Benz	S 500 Plug-In Hybrid (dual)	Passenger Car	6.4	710	0.9
Mercedes-Benz	S-Class; S-Class Coupe	Passenger Car	8.9	660	1.3
Mercedes-Benz	S-Class (dual)	Passenger Car	9.5	770	1.2
Mercedes-Benz	GLE-Class, GL-Class	SUV	10.6	1050	1.0
Mercedes-Benz	GL-Class (dual)	SUV	14.6	1030	1.4
Mercedes-Benz	G-Class	SUV	12.7	1000	1.3
Mercedes-Benz	SLK-Class	Passenger Car	10.7	550	1.9
Mercedes-Benz	SL-Class	Passenger Car	10.5	550	1.9
Mercedes-Benz	CLA-Class, GLA-class	Passenger Car	9.9	650	1.5
Mercedes-Benz	Smart	Passenger Car	11.3	475	2.4
Mercedes-Benz	GLE-Class Hybrid (dual)	Passenger Car	7.9	1050	0.8
Mercedes-Benz	GT S AMG	Passenger Car	11.4	640	1.8
Mercedes-Benz	B-Class E-CELL	Passenger Car	9.8	750	1.3
Mercedes-Benz	C-Class, GLC-Class	Passenger Car	8.1	630	1.3
Mercedes-Benz	C-Class Hybrid (dual)	Passenger Car	6.7	670	1.0

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Mitsubishi	Mitsubishi Mirage 1.2L	Passenger Car	11.2	270	4.2
Mitsubishi	Mitsubishi Lancer 2.0L and 4.0L	Passenger Car	12.9	500	2.6
Mitsubishi	Mitsubishi Outlander Sport 2.0L and 2.4L	SUV	11.4	500	2.3
Mitsubishi	Mitsubishi Outlander 2.4L	SUV	11.2	450	2.5
Mitsubishi	Mitsubishi Outlander 3.0L	SUV	11.3	450	2.5
Mitsubishi	Mitsubishi i-MiEV	Passenger Car	7.5	325	2.3
Nissan	Infiniti QX70	Crossover	15.8	550	2.9
Nissan	Nissan 370Z	Passenger Car	15.8	500	3.2
Nissan	Nissan GTR	Passenger Car	14.9	500	3.0
Nissan	Nissan MAXIMA	Passenger Car	12.1	525	2.3
Nissan	Infiniti QX50 LWB	Crossover	13.6	550	2.5
Nissan	Infiniti QX80 (dual evaporator)	SUV	20.2	1050	1.9
Nissan	Versa sedan	Passenger Car	9.9	400	2.5
Nissan	Versa hatch back	Passenger Car	9.9	400	2.5
Nissan	Juke	Crossover	14.5	400	3.6
Nissan	Leaf EV S-grade	Passenger Car	10.1	450	2.2
Nissan	Leaf EV SL and SV grade	Passenger Car	12.3	850	1.4
Nissan	Infiniti Q50 3.0L turbo	Passenger Car	14.6	500	2.9
Nissan	NV 200	Passenger Car	14.4	450	3.2
Nissan	NV 200 NYC taxi	Other	16.8	650	2.6
Nissan	Rogue hybrid	Crossover	11.6	500	2.3
Nissan	Infiniti QX60 (dual evaporator)	SUV	15.2	625	2.4
Nissan	Infiniti QX60 hybrid	SUV	14.8	800	1.9
Nissan	Pathfinder (dual evaporator)	SUV	15.2	830	1.8
Nissan	Pathfinder HEV (dual evaporator)	SUV	18.4	800	2.3
Nissan	Sentra	Passenger Car	9.9	450	2.2
Nissan	Infiniti Q50	Passenger Car	14.6	500	2.9
Nissan	Infiniti Q50 hybrid	Passenger Car	11.4	500	2.3
Nissan	Altima 2.5L	Passenger Car	12.6	525	2.4
Nissan	Altima 3.5L	Passenger Car	12.4	525	2.4
Nissan	Frontier	Pick Up	10.3	700	1.5

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Nissan	Murano	Crossover	9.7	550	1.8
Nissan	Murano hybrid	Crossover	9.7	550	1.8
Nissan	Quest	Mini Van	18.7	900	2.1
Nissan	Rogue	Crossover	13.1	500	2.6
Nissan	Infiniti Q70 3.7L	Passenger Car	15.0	550	2.7
Nissan	Infiniti Q70 5.6L	Passenger Car	14.9	550	2.7
Nissan	Infiniti Q70 hybrid	Passenger Car	10.5	550	1.9
Nissan	Frontier (2.5 L)	Pick Up	9.9	700	1.4
Nissan	Frontier (4.0L)	Pick Up	9.9	700	1.4
Subaru	Subaru BRZ	Passenger Car	15.5	390	4.0
Subaru	Subaru Impreza 2.0i	Passenger Car	16.9	450	3.8
Subaru	Subaru Legacy 3.6R	Passenger Car	15.9	425	3.7
Subaru	Subaru Outback 3.6R	SUV	15.9	425	3.7
Subaru	Subaru WRX STI	Passenger Car	13.8	450	3.1
Subaru	Subaru XV Crosstreck Hybrid	Crossover	16.7	450	3.7
Subaru	Subaru Forester	SUV	16.8	450	3.7
Subaru	Subaru Legacy 2.5i	Passenger Car	15.8	425	3.7
Subaru	Subaru Outback 2.5i	SUV	15.8	425	3.7
Subaru	Subaru WRX (expect STI)	Passenger Car	16.7	450	3.7
Subaru	Subaru XV Crosstreck (except Hybrid)	Passenger Car	16.9	450	3.8
Toyota	Lexus RC 200t	Passenger Car	14.3	570	2.5
Toyota	Lexus RC 350/RC 300	Passenger Car	13.5	570	2.4
Toyota	Lexus RC F	Passenger Car	13.5	570	2.4
Toyota	Lexus GS F	Passenger Car	13.5	570	2.4
Toyota	Prius	Passenger Car	7.1	470	1.5
Toyota	Prius C	Passenger Car	7.8	420	1.9
Toyota	Avalon	Passenger Car	11.7	500	2.3
Toyota	Avalon Hybrid	Passenger Car	5.7	500	1.1
Toyota	Highlander (Dual Evaporator)	SUV	14.4	820	1.8
Toyota	Highlander Hybrid (Dual Evaporator)	SUV	8.8	870	1.0
Toyota	RAV4	SUV	13.4	500	2.7

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Toyota	RAV4 Hybrid	SUV	7.5	500	1.5
Toyota	Lexus GS 200t	Passenger Car	15.3	570	2.7
Toyota	Lexus IS 350/IS 300	Passenger Car	15.0	570	2.6
Toyota	Lexus RX 350	SUV	20.1	500	4.0
Toyota	Lexus RX 450h	SUV	8.1	500	1.6
Toyota	Lexus GS 350	Passenger Car	15.0	570	2.6
Toyota	SCION iM	Passenger Car	14.4	450	3.2
Toyota	Lexus IS 200t	Passenger Car	15.3	570	2.7
Toyota	Scion FR-S	Passenger Car	15.5	390	4.0
Toyota	SCION iA	Passenger Car	20.7	420	4.9
Volvo	XC90 T8 (P-HEV) (Dual Evaporator)	SUV	9.3	1110	0.8
Volvo	XC90 T6 AWD, XC90 T5 FWD, XC90 T5 AWD	Passenger Car	8.6	750	1.1
Volvo	S60/S60CC/S60L/V60/V60CC/XC60/XC70/S80 S60,V60 Polestar	SUV	16.3	800	2.0
Volvo	XC90 T6 AWD and XC90 T5 FWD and AWD	SUV	13.1	1000	1.3