

Engine Oil Drain Plug Torque Chart • 1997–2016

All torque values are in foot-pounds (lb-ft).

ACURA

2016	MDX	30
2015-16	TLX 3.5L	30
2013-14	ILX 1.5L, 2.0L, 3.5L	30
2013-14	2.7L, 3.0L, 3.2L	30
2012-15	1.5L, 1.8L	
2007-15	MDX	29
2002-06	RSX 2.0L Type S	29
	RSX 2.0L Others	33
1997-2012	2.7L, 3.0L, 3.2L	29
1997-2002	4-cyl., V6	33
1997-98	5-cyl.	29

AUDI

2015-16	1.8L	22
	2.0L diesel	22
2014-16	3.0L diesel	22
2013-16	3.0L	22
	Q7 diesel	22
2012-16	4.0L	22
2010-13	A5, A6, S5, S6	
	V8 4.2L	22
2008-15	R8 V8 4.2L	7
	V8 5.0L	9
2007-12	V10 5.2L	9
2007-03	Q7 V8 3.6L	22
	Q7 V8 4.2L	18
	V12 6.0L	22
2005-15	4-cyl. 2.0L	22
2002-15	V6 2.7L, 3.0L, 3.2L	22
2002-09	A6, S5, S6 V8 4.2L	16
2000-09	A8, S8, S4, RS4	
	V8 4.2L	26
2000-01	V8 3.6L, 3.7L	26
1997-2009	4-cyl. 1.8L Turbo	22
1997-2005	V6 2.8L	30

BMW

2015	X6 4.4L	18
2013-14	X1	18
	w/ plastic screw	6
2012-14	3 & 4 Series	18
	w/ plastic screw	6
2011-14	Z4	18
	X3	18
2008-14	X6 3.0L	18
2007-12	X5, X6 4.4L	26
2006-14	M6	18
2003-10	Z4	6

BMW, cont.

1997-2011	All others	
	12mm plug	18
	17mm plug	22-26
	18mm plug	22
	19mm plug	43-46
	22mm plug	44

BUICK

Allure, LaCrosse		
2012-16	4-cyl. 2.4L	18
2005-2016	V6 3.6L	18
	V6 3.8L	22
	V8 5.3L	18

Cascade

2016	4-cyl. 1.5L, 2.0L	18
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Century

2004-05	V6 3.8L	22
1997-2003	V6 3.8L	30
	V6 3.1L	18

Electra, Park Avenue

1997-2007	V6 3.8L	30
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Enclave, Rendezvous, Terraza

2002-13	V6	18
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Encore

2013-16	4-cyl.	10
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Le Sabre, Riviera, Reatta

1997-2004	V6 3.8L	30
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Lucerne

2008-11	V6 3.9L	18
2006-08	V6 3.8L	22

Regal, Verano

2011-16	4-cyl.	18
1997-2004	V6 3.1L code M	18
1997-99	V6 3.8L code L	30

Skylark

1998	4-cyl.	19
	V6	18

CADILLAC

ATS		
2013-16	2.0L, 2.5L, 3.4L	18

CTS, SRX, STS, XLR, XTS

2003-15	V6 2.8L, 3.0L, 3.6L	18
	V8	18

ELR

2014-16	4-cyl.	10
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Escalade

1999-2016	V8	18
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CHEVROLET

Aveo		
2009-11	4-cyl. 1.6L	6.6
2004-08	4-cyl. 1.6L	40
Beretta, Cavalier, Corsica		
1997-2003	4-cyl.	35
1997	V6	15-20

Camaro

2014-16	3.6L, 7.0L	18
2010-16	V8 6.2 L	18
1998-2002	V8 5.7L	18
1997-2002	V6 3.8L	32
1997	V8 5.7L	15

Classic, Impala, Impala SS

2014-16	3.6L	18
2010-16	V8 6.5L Diesel	20
1997-2003	V8 5.0L, 5.7L	18
1997-2009	V6 4.3L	18

Cobalt, HHR

2005-11	4-cyl. 2.2L, 2.4L	18
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Corvette

1997-2016	ZR1 6.2L	21
	All others	18

Cruz

2011-16	4-cyl.	18
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Malibu, Malibu Maxx

2004-15	4-cyl.	18
	V6	18
	4-cyl. 2.4L	20
1997-2003	4-cyl. 2.4L	20

Lumina Sedan

1997-2001	V6 3.1L	18
	V6 3.8L	30

Monte Carlo

1997-2007	V6 3.8L	30
	V6 3.1L	18

Sonic, Spark, Trax

2012-16	1.2L	18
	1.4L, 1.8L	10

Sprint

1996-2000	1.0L FI, 1.3L	26
	1.0L 2V & Turbo	22-29

Tracker

1998-2000	All	26
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Traverse, Venture, Uplander

1997-2016	V6	18
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Volt

2011-16	4-cyl. 1.4L, 1.5L	18
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Note: 2.5L 4-cyl. with internal filter, fin-ger tight plus 1/4 turn.

CHEVROLET/GMC TRUCKS

Acadia

2007-16	V6	18
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APV Van

2005-07	3.4L	18
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Other models

2015-16	2.5L, 3.6L	18
2015	2.0L	41
2004-16	2.4L, 3.0L,	
	3.4L, 3.6L	19
2001-16	6.6L Diesel	62
1999-2016	V8 4.8L, 5.3L,	
	6.0L, 8.1L	18
1997-2000	V8 6.5L Diesel	20
	V8 5.0L, 5.7L	18
1997-2003	4-cyl. 2.2L	33
1997-2009	V6 4.3L	18

Classic, Impala, Impala SS

2014-16	3.6L	18
2010-16	V8 6.5L Diesel	20
1997-2003	V8 5.0L, 5.7L	18
1997-2009	V6 4.3L	18

CHRYSLER

Crossfire

2004-06	V6 3.2L	22
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PT Cruiser

2001-10	4-cyl.	20
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Town & Country—see Caravan under Dodge Trucks

Other models

2015-16	V6 3.6L	17
2011-14	V6 3.6L	20
2006-15	V8 5.7L	20
2004-08	V6 4.0L	20
1998-2006	V6 2.7L	20
1998-2000	4-cyl. 2.0L DOHC	25
1997-2010	3.2L 3.5L	20
1997-2006	4-cyl. 2.0L, 2.4L	20
1997-2000	V6 2.5L	29
1997	V6 3.3L code T	25

DODGE

Challenger, Colt

2011-14	V8 5.7L	25
2008-16	All others	20

Other models

1998-2016	V6 2.7L, 3.2L, 3.5L	20
1997-2016	4-cyl. 2.0L, 2.4L	30
1997-2000	V6 2.5L	29
1997-2001	V6 3.3L code T	25

Other models

1997-2004	V6 3.7L	20
	V6 4.0L	19
	V8 4.6L	18
	5.0L, 5.4L, 5.8L	19
1997-2004	V6 3.8L	15-22
1997-2004	V8 4.6L	10

DODGE TRUCKS

Caravan, Mini Ram Van

1997-2000	V6 3.0L	30
1997-2013	Others	20

Dakota, Durango

2011-2015	3.6L	20
1997-2015	Others	25

Pickups (full size)

1997-2010	V6, V8, V10	25
	6-cyl. Diesel	37

Vans (full size)

1997-2003	6-cyl., V6, V8	20
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FORD

Aspire, Festiva

1997	All	29-41
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Contour

1997-2000	All	16-22
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Edge, Flex

2007-16	V6	20
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Escort, Focus

2012-2016	2.0L	20
2008-2011	2.0L	21
1997-2007	2.0L	18
1997-99	1.8L	22-30
	1.9L	15-25

Fiesta

2015-16	2.0L, 2.3L	20
2011-16	1.6L	21

Fusion

2013-16	V6 3.7L	20
	2.0L	20
	2.5L	21
	3.0L	19
	3.5L	20
2006-09	2.3L	22-30
	3.0L	16-21

Probe

1997	V6 2.5L	22-30
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Mustang

2005-16	V6 3.7L	20
	V6 4.0L	19
	V8 4.6L	18
	5.0L, 5.4L, 5.8L	19
1997-2004	V6 3.8L	15-22
1997-2004	V8 4.6L	10

Taurus

2007-2016	V6 3.5L, 3.7L	20
1997-2006	V6 DOHC	16-22
1997-2004	V6 3.0L ex SHO	10

FORD, cont.

Other models

2007-11	V8 4.6L	17
2004-07	V6 3.9L, 4.2L	19
2000-07	V6 3.0L	19
2000-06	V8 3.9L	17
1999-06	V6 Duratec	16-22
1997-2006	V8 4.6L	10
1997-98	V8 4.6L DOHC	8-12

FORD TRUCKS

Escape

2013-16	4-cyl. 2.0L	20
	V6 3.5L	20
2013	4-cyl. 1.6L	21
2007-12	4-cyl. 2.3L, 2.5L	21
2001-12	V6 3.0L	19
2001-06	4-cyl. 2.3L	18

Expedition, Navigator

2015-16	V6 3.5L	20
2009-14	V8 5.4L	17
1998-08	V8 5.4L	10
1998-2004	V8 4.6L	10

Explorer, Aviator

2011-16	2.0L, 3.5L, 3.7L	20
	1.6L, 2.5L	21
	V8 4.6L	17
2002-10	V6 4.0L</	

KIA, cont.

Spectra, Sephia	
2004-09	2.0L26-32
2000-04	1.6L, 1.8L22-30

LEXUS

CT200h, HS250h	
2010-16	1.8L27
ES250, ES300, RX300 GS400	
1997-2000	V8 4.0L29
GS350, -450h, 460, I250, -350	
2011-16	4-cyl., V630
GS430, LS430, SC430	
2001-10	V8 4.3L29

LS400	
1997-2000	V8 4.0L14

LS460, -600, -600h	
2008-12	All30

SC400	
1997-2000	V8 4.0L18

Other Models	
2008-16	V8 4.7L, 5.7L30
2007-15	V6 2.5L, 3.5L30

	V8 4.6L30
2004-10	V8 4.3L25
	V6 3.3L33

	V8 4.7L, 5.7L29
1999-2007	V8 4.7L, 5.7L29
1997-2006	6-cyl. 3.0L33

1997-2003	V6 3.0L33
1997	6-cyl. 4.5L18

LINCOLN	
MKC	
2015-16	4-cyl.20

MKS, MKT, MKX, MKZ	
2007-16	V620

Navigator	
2009-16	V8 5.4L17
1997-2008	V8 5.4L10

1997-2004	V8 4.6L10
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Other models	
2005-2011	V8 4.6L17
2000-06	V6 3.0L19

1997-2008	V6 4.2L8-12
1997-2007	V8 5.4L10
1997-1999	Others15-25

MAZDA	
CX-5, CX-7, CX-9	
2007-16	3.5L, 3.7L23-30
	2.3L, 2.5L22-30

MAZDA, cont.

Mazda2	
2011-14	1.5L22-30

Mazda3, Mazda5	
2014-16	2.5L23-30
2004-16	2.0L, 2.3L22-30
	2.3L Turbo17-22

Mazda6	
2014-16	2.5L23-30
2009-13	2.5L new washer19-22
	2.5L old washer25-30
	3.7L17-22

2003-08	2.3L22-30
	2.3L Turbo17-22
	3.0L16-21

Miata	
2006-16	2.0L23-30
1997-2005	All22-30

Protegé	
1997-03	4-cyl. 1.5L, 1.6L22-30

RX-7, RX-8	
2004-11	Rotary 1.3L22-29

Tribute—see Escape under Ford Trucks	
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MERCEDES BENZ	
See the Motor Quick Lubrication Guide.	

MERCURY	
Mariner	
2007-08	4-cyl. 2.3L21
2001-08	V6 3.0L19

2001-06	4-cyl. 2.3L18
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Milan	
2010-11	4-cyl. 2.5L21
	V6 3.0L19

2006-09	4-cyl. 2.3L22-30
	V6 3.0L16-21

Mystique	
1997-2000	All16-22

Montego, Sable	
2008-10	V620
1997-2007	V6 DOHC16-22

1997-2005	V6 3.0L10
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Tracer	
1997-2000	4-cyl. 2.0L15-22
1997-99	4-cyl. 1.8L22-30
	4-cyl. 1.9L15-25

Villager	
1997-2002	All22-29

MERCURY, cont.

Other models	
2007-10	V6 3.5L20
	V8 4.6L17

1997-2007	V8 4.6L10
1997-2006	V6 2.5L, 3.8L19
	V6 3.0L DOHC16-22
	V6 3.0L10

MINI COOPER	
2014	1.5L18
	2.0L15

2008-15	1.6L22
2002-07	1.6L18

MITSUBISHI	
3000GT	
1997-99	All29

Diamante	
1997-2004	DOHC29
	SOHC26-32

Eclipse	
2000-12	4-cyl., V626-32
1997-99	4-cyl.25

Endeavor, Outlander	
2004-16	V6 3.0L25-32
2003-16	4-cyl. 2.4L26-32

MITSUBISHI, cont.	
Galant, Montero	
1997-2013	All26-32

Lancer	
2004-14	4-cyl.26-32

Mirage	
2014-15	4-cyl.26-32
1997-2002	4-cyl.26-32

Precis	
1997-2002	4-cyl.26-32

NISSAN	
Armada, Murano, Titan	
2003-15	V825

Pathfinder	
2004-16	3.5L25
2008-12	5.6L25

2005-12	4.0L22-29
2000-03	3.5L22-28
1996-2000	3.3L22-29

NV1500-3500	
2012-16	4.0L, 5.6L25

Other models	
2008-16	All25
1997-2007	All22-29

OLDSMOBILE

88, 98, Regency	
1997-2000	V6 codes K, L30

Achieva, Calais	
1998	All18
1997	4-cyl.20

Alero	
1998-2004	V618
	4-cyl. 2.2L35

1998-2001	4-cyl. 2.4L19
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Aurora	
1997-2003	V630
	V815

Bravada	
1997-2004	All18

Cutlass (FWD), Intrigue	
1997-2002	V6 3.1L, 3.4L18
	V6 3.8L code L30

Silhouette	
1997-2004	V6 3.4L18

PLYMOUTH	
All models	
1997-2001	4-cyl. 2.0L, 2.4L25
	V6 2.5L29

1997-2000	V6 3.3L, 3.5L25
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Voyager—see Caravan under Dodge Trucks	
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PONTIAC	
2000, J2000, Sunbird, Sunfire	
1997-2002	4-cyl. 2.2L35

Aztek, Montana	
1997-2005	V618

Bonneville (FWD)	
1997-2004	V6 3.8L codes K, L30

Firebird	
1998-2002	V8 5.7L18
1997	V6 3.8L32
	V8 5.7L15

G5, G6	
2005-09	4-cyl. 2.2L, 2.4L18
	V6 3.5L, 3.6L18

Grand Am	
1998-2005	4-cyl. 2.4L19
	V6 3.1L18
1997	4-cyl. 2.3L20

Grand Prix	
2004-08	V6 3.8L22
1997-2003	V6 3.8L30
1997-99	V6 3.1L code M18

GTO	
2004-06	V818

PONTIAC, cont.

Solstice	
2006-09	4-cyl.18

Sunrunner	
1997-2000	1.6L26

Trans Sport, Van	
1997-98	V6 3.4L, 3.8L18

Vibe	
2003-10	1.8L27
	2.4L18

PORSCHE	
Boxter, Cayenne	
2003-07	All37

Other models	
1999-2007	6-cyl. 3.4L37*
1997-2007	6-cyl. 3.6L37*
1997-99	6-cyl. 3.3L37*
	91151†
1997-98	Others36

* Oil tank drain plug same torque.	
† Oil tank drain plug torque is 30.	

RAM TRUCKS	
1500, 2500, 3500	
2013-16	V6 3.6L20
	V8 4.7L, 5.7L25
	3.0L diesel33
	6.4L diesel20
	6.7L diesel37

Promaster Van	
2014-16	V6 3.6L20
	3.0L diesel33

SAAB	
900, 9000, 9-3, 9-5	
1997-2012	4-cyl.20
1997-99	V641

SATURN	
Aura, Outlook, SKY	
2007-10	4-cyl., V618

ION, VUE, Relay	
2005	V6 3.0L7.5
2003-09	All others18

L series	
2005	V6 3.0L7.5
2000-05	All others18

S series	
1997-2002	All26

SCION

FRS	
2013-16	2.0L29

iA	
2016	4-cyl. 1.5L26

iM	
2016	4-cyl. 1.8L27

xA	
2004-06	4-cyl. 1.8L28

xB	
2010-12	4-cyl. 1.5L30
2008-12	4-cyl. 2.4L30
2008-09	4-cyl. 1.5L18
2004-06	4-cyl. 1.5L28

xD	
2008-15	4-cyl. 1.5L27

IQ	
2012-15	4-cyl. 1.3L22

tC	
2005-15	4-cyl. 2.5L30

SUBARU	
Baja	
2004-06	H433
2003	H429-36

BRZ	
2013-16	H431

Forester	
2013-16	H4 2.5L Turbo31
2010-16	H4 2.5L31
2004-08	H4 2.5L Turbo33
2001-09	H4 2.5L33
1998-2000	H429-33

Impreza	
2012-16	H4 2.0L31
2001-11	H4 2.5L33
2002-04	H4 2.0L Turbo33
1997-2000	H429-33

Legacy, Outback, Crosstrak	
2010-2016	H6 3.6L33
	H4 2.5L31
2004-09	H4 2.5L33
2004-09	H6 3.0L33
1996-03	H429-33

Tribeca	
2006-14	H633

WRX	
2015-16	H431

WRZ, WRZ STI	
2015-16	H434

TOYOTA

Avalon, Camry, Solara	
2013-16	V6 Hybrid30
2010-13	4-cyl. 2.5L30

2007-11	4-cyl. Hybrid18
2005-16	V6 3.5L30
2004-08	V6 3.3L33
2004-06	4-cyl. 2.4L18
1998-2005	V6 3.0L33
1997-2001	4-cyl. 2.2L29

Celica	
2000-05	4-cyl.28
1997-99	2.0L, 2.2L29
1997	1.6L, 1.8L25