

Make/Model	Year	Torque
Acura		
All models	1990-05	80 ft-lbs
Alfa Romeo		
All models	1991-95	75 ft-lbs
Aston Martin		
Vanquish	2002-05	95 ft-lbs
All other models	1983-05	75 ft-lbs
Audi		
All models	1982-05	90 ft-lbs
BMW / Mini		
745 & 760	2002-05	100 ft-lbs
Mini Cooper	2002-05	105 ft-lbs
All other models	1982-05	90 ft-lbs
Buick		
All models	1982-05	100 ft-lbs
Cadillac		
Deville HD Spec.	1997-01	140 ft-lbs
Catera	1997-01	80 ft-lbs
All other models	1977-05	100 ft-lbs
Chevrolet / Geo		
Aveo	2004-05	90 ft-lbs
Metro	1991-99	50 ft-lbs
Prizm	1989-02	80 ft-lbs
Storm	1990-93	85 ft-lbs
All other models	1987-05	100 ft-lbs
Chrysler		
Cirrus	1995-00	100 ft-lbs
Concorde	1993-04	110 ft-lbs
Crossfire	2004-05	85 ft-lbs
Fifth Avenue (RWD)	1983-90	85 ft-lbs
LeBaron/New Yorker	1984-96	95 ft-lbs
LHS/300M/300C/300	1999-05	110 ft-lbs
LHS	1994-97	95 ft-lbs
PT Cruiser	2001-05	110 ft-lbs
Prowler Roadster	2002	100 ft-lbs
Sebring Conv.	1996-05	105 ft-lbs
Sebring Coupe	1999-05	80 ft-lbs
Sebring Coupe	1996-98	100 ft-lbs
Sebring Sedan	2001-05	110 ft-lbs
T/C by Maserati	1989-91	95 ft-lbs
Daewoo		
Lanos/Nubria	1999-03	90 ft-lbs
Leganza	1999-03	80 ft-lbs
Dodge		
Avenger	1999-00	80 ft-lbs
Avenger	1995-98	100 ft-lbs
Charger	2006	110 ft-lbs
Colt	1976-94	80 ft-lbs
Daytona/Dynasty	1984-93	95 ft-lbs
Intrepid	1999-04	110 ft-lbs

Intrepid	1993-98	95 ft-lbs
Magnum	2005-06	110 ft-lbs
Neon	2000-05	110 ft-lbs
Neon	1999	100 ft-lbs
Neon	1995-98	95 ft-lbs
Omni	1984-90	95 ft-lbs
Shadow	1987-94	95 ft-lbs
Stratus	1995-99	100 ft-lbs
Stratus Sedan	2000-05	110 ft-lbs
Stratus Coupe	2001-05	80 ft-lbs
Spirit	1989-94	95 ft-lbs
Stealth	1991-96	100 ft-lbs
Viper	1993-04	100 ft-lbs
Vista	1984-91	60 ft-lbs

Eagle

Premier & Monaco *	1989-92	75 ft-lbs
* With aluminum wheels		100 ft-lbs
Talon	1990-98	100 ft-lbs
Summit	1989-96	80 ft-lbs
Medallion	1988	65 ft-lbs
Vison	1993-97	95 ft-lbs

Ferrari

360 Modena	2000-05	80 ft-lbs
550/575 Maranello	1998-05	100 ft-lbs
456 M GT/GTA	1995-04	90 ft-lbs
Testarossa(5 bolts)	1988-91	75 ft-lbs
348/Mondial T	1989-94	75 ft-lbs
All other models		90 ft-lbs

Ford

Aspire	1994-97	85 ft-lbs
Contour	1999-00	95 ft-lbs
Contour	1998	85 ft-lbs
Contour	1995-97	65 ft-lbs
Crown Victoria	2000-05	100 ft-lbs
Probe	1989-97	85 ft-lbs
Festiva	1988-93	85 ft-lbs

Escort/ZX2	1991-04	85 ft-lbs
Escort/EXP	1981-90	100 ft-lbs
Five Hundred	2005	100 ft-lbs
Focus	2000-05	95 ft-lbs
Freestyle	2005	100 ft-lbs
Mustang	1979-05	100 ft-lbs
Taurus	2000-05	95 ft-lbs
Taurus	1986-96	100 ft-lbs
Tempo	1984-96	100 ft-lbs
Thunderbird	1975-05	100 ft-lbs
All other models	1984-99	100 ft-lbs

Honda

All models	1984-04	80 ft-lbs
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Hyundai

All models	1986-05	80 ft-lbs
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Infiniti

G20	1999-02	100 ft-lbs
All other models	1990-05	85 ft-lbs

Isuzu

All models	1983-93	85 ft-lbs
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Jaguar		
S Type	2000-05	95 ft-lbs
All other models	1989-05	75 ft-lbs
Kia		
All models	1993-05	85 ft-lbs
Lamborghini		
All models	1990-04	80 ft-lbs
Lexus		
All Models	1990-05	75 ft-lbs
Lincoln		
All other models	1984-05	100 ft-lbs
Maserati		
Spider	2002-04	90 ft-lbs
All other models	1989-91	75 ft-lbs
Mazda		
Millenia	1995-02	90 ft-lbs
All other models	1976-05	85 ft-lbs
Mercedes		
Models with 14mm bolts	1994-05	110 ft-lbs
All other models	1994-05	80 ft-lbs
Mercury		
Capri	1991-94	90 ft-lbs
Cougar	1999-02	95 ft-lbs
Grand Marquis	2000-04	100 ft-lbs
Marauder	2003-04	95 ft-lbs
Montego	2005	100 ft-lbs
Mystique	1999-00	95 ft-lbs
Mystique	1998	85 ft-lbs
Mystique	1995-97	65 ft-lbs
Sable	2000-04	95 ft-lbs
Sable	1995-99	100 ft-lbs
Tracer	1988-99	90 ft-lbs
All other models	1984-05	100 ft-lbs
Merkur		
Scorpio	1988-90	70 ft-lbs
XR4Ti	1985-89	100 ft-lbs
Mitsubishi		
Eclipse	1990-99	100 ft-lbs
3000 GT	1991-99	100 ft-lbs
Lancer	2002-04	80 ft-lbs
Precis *	1987-94	60 ft-lbs
* With aluminum wheels		70 ft-lbs
All other models	1987-05	80 ft-lbs
Nissan		
Sentra/Sentra E	1990-95	75 ft-lbs
All other models	1987-05	90 ft-lbs

Oldsmobile		
All models	1977-04	100 ft-lbs
Panoz		
All models	1999-05	90 ft-lbs
Plymouth		
Acclaim/Reliant	1989-95	95 ft-lbs
Breeze	2000	105 ft-lbs
Breeze	1999	100 ft-lbs
Breeze	1996-98	95 ft-lbs
Colt	1983-94	80 ft-lbs
Grand Fury	1980-89	85 ft-lbs
Horizon	1978-90	95 ft-lbs
Laser	1990-94	95 ft-lbs
Neon (see Dodge)		
Prowler	2000-01	100 ft-lbs
Sundance	1987-94	95 ft-lbs
Turismo	1982-87	95 ft-lbs
Vista *	1984-94	55 ft-lbs
* With aluminum wheels		80 ft-lbs
Pontiac		
LeMans	1989-93	65 ft-lbs
Vibe	2003-05	75 ft-lbs
All other models	1990-05	100 ft-lbs
Porsche		
Carrera GT	2004-05	407 ft-lbs
All other models	1972-05	95 ft-lbs
Rolls Royce		
Parkwood/Seraph	1997-02	75 ft-lbs
Phantom	2004-05	105 ft-lbs
All other models	1989-02	50 ft-lbs
Saab		
9-2X	2005	75 ft-lbs
9-3 / 9-5	1999-05	80 ft-lbs
900 models *	1995-98	80 ft-lbs
* With aluminum wheels		85 ft-lbs
9000 models	1994-98	90 ft-lbs
All other models	1988-93	90 ft-lbs
All other models	1976-87	80 ft-lbs
Saturn		
L Series	2003-04	80 ft-lbs
L Series	2000-02	95 ft-lbs
EV-1 Electric	1997-02	100 ft-lbs
Vue	2002-04	100 ft-lbs
All other models	1991-05	100 ft-lbs
Scion		
All Models	2004-05	75 ft-lbs
Subaru		
SVX	1992-97	90 ft-lbs
All other models	1985-05	75 ft-lbs
Suzuki		
Aerio	2002-05	65 ft-lbs

Esteem	1996-02	65 ft-lbs
Forenza	2004-05	90 ft-lbs
Swift	1989-01	50 ft-lbs
Reno	2005	65 ft-lbs
Verona	2004-05	80 ft-lbs
X-90	1996-98	70 ft-lbs

Toyota

All models	1985-05	80 ft-lbs
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Volkswagen

All models	1999-05	90 ft-lbs
All models	1988-98	80 ft-lbs

Volvo

S / V40	2000-05	80 ft-lbs
S 60	2001-05	100 ft-lbs
C70 / S70	1998-04	80 ft-lbs
S 80	1999-05	100 ft-lbs
V 70	1998-05	100 ft-lbs
200 Series	1981-93	85 ft-lbs
700/900, S90/V90	1983-98	65 ft-lbs
850 Series	1993-97	80 ft-lbs

Mini Vans, Light Trucks, and SUVs

Make/Model	Year	Torque
Acura		
MDX	2001-05	80 ft-lbs
SLX	1996-99	90 ft-lbs
BMW		
X5	2000-05	105 ft-lbs
X3	2004-05	85 ft-lbs
Buick		
Rendezvous	2002-05	100 ft-lbs
Cadillac		
Escalade / EXT	1999-05	140 ft-lbs
SRX	2004-05	95 ft-lbs
Chevrolet / GMC		
Astro/Safari Van	1985-05	100 ft-lbs
Avalanche	2002-05	140 ft-lbs
C/K Blazer/Suburban/Jimmy(full size)	1992-95	120 ft-lbs
C/K Pickup (Full) (SRW/DRW)	1996-00	140 ft-lbs
C30 HD (DRW) 5/8-18	1996-00	175 ft-lbs
C/K Pickup	1988-95	120 ft-lbs
C/K Pickup (DRW)	1988-95	140 ft-lbs
Colorado/Canyon	2004-05	100 ft-lbs
Denali	1997-05	140 ft-lbs
Envoy/XUV	1998-05	100 ft-lbs
Equinox	2004-05	100 ft-lbs
Express/Savana	1996-05	140 ft-lbs
G10/G15, G20/G25, G30/G35(SRW/DRW)	1996-99	140 ft-lbs
G10/G15, G20/G25, Full Size	1988-95	100 ft-lbs
G30/G35 Full Size	1988-95	120 ft-lbs
G30/G35 (DRW) Full Size	1988-95	140 ft-lbs
Lumina Minivan	1994-96	100 ft-lbs
Lumina APV	1990-93	100 ft-lbs
R10/R15-Full Size Suburban/Blazer	1989-91	100 ft-lbs
R20/R25,R30/R35-Full Size Suburban(SRW)	1989-91	120 ft-lbs
SSR	2003-05	80 ft-lbs
Suburban(DRW)	1989-91	125 ft-lbs
S/T Pickup/Blazer/Trail Blazer/Jimmy	1992-05	100 ft-lbs
S10/S15 Pickup/Blazer/Jimmy	1982-92	80 ft-lbs
Silverado/Sierra	1999-05	140 ft-lbs

Silverado/Sierra HD(DRW) 5/8-18	1999-05	175 ft-lbs
Suburban/Tahoe/Yukon	1996-05	140 ft-lbs
Tracker	1990-99	60 ft-lbs
Tracker	2000-05	70 ft-lbs
T10/T15 Pickup/Blazer/Jimmy	1982-91	100 ft-lbs
V10/V15 Full Size Suburban	1990-91	100 ft-lbs
Suburban / Blazer		
w/ Aluminum Wheels	1988-89	100 ft-lbs
w/ Steel Wheels	1988-89	90 ft-lbs
V20/V25,V30/V35 Full Size Suburban(SRW)	1989-91	120 ft-lbs
Suburban(DRW)	1989-91	125 ft-lbs
Uplander	2005	100 ft-lbs
Venture Minivan	1997-04	100 ft-lbs

Chrysler

Pacifica	2004-05	85 ft-lbs
PT Cruiser	2001-05	110 ft-lbs
Town & Country	2000-05	110 ft-lbs
Town & Country	1999	100 ft-lbs
Town & Country	1990-98	95 ft-lbs
Voyager	2001-03	110 ft-lbs

Daihatsu

Rocky (All)	1990-92	85 ft-lbs
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Dodge

Grand Caravan/Caravan	2000-05	110 ft-lbs
Grand Caravan/Caravan	1999	100 ft-lbs
Dakota Pickup(All)	1985-98	95 ft-lbs
Dakota Pickup	1994-05	110 ft-lbs
Durango	1998-05	110 ft-lbs
Pickup (D&W series) D100/150,D200/250	1972-93	105 ft-lbs
D300/350(1/2"stud)	1979-93	105 ft-lbs
D300/350(5/8"stud)	1979-93	105 ft-lbs
w/ flanged 5/8"stud	1979-93	200 ft-lbs
Ramcharger	1979-93	350 ft-lbs
Rampage (FWD)	1979-93	105 ft-lbs
Ram 50 Pickup	1982-84	90 ft-lbs
Ram Pickup	1987-93	100 ft-lbs
1500	2002-05	135 ft-lbs
1500	1994-01	110 ft-lbs
2500	2002-05	135 ft-lbs
2500	1994-01	150 ft-lbs
3500	2002-05	145 ft-lbs
3500	1994-01	160 ft-lbs
SRT-10	2004-05	135 ft-lbs
Ram Van		
B1500	2002-05	110 ft-lbs
B1500	1998-01	115 ft-lbs
B1500	1995-97	110 ft-lbs
B2500 (9/16"-18 studs)	1999-05	150 ft-lbs
B2500	1998	115 ft-lbs
B2500	1997	110 ft-lbs
B3500 (9/16"-18 studs)	1999-05	150 ft-lbs
B3500 w/out 5/8" studs	1995-98	115 ft-lbs
with 5/8" studs	1995-98	225 ft-lbs
B150	1994	110 ft-lbs
B250/350 w/out 5/8" studs	1994	115 ft-lbs
with 5/8" studs	1994	225 ft-lbs
Ram Van (FWD)	1984-93	95 ft-lbs
Ram Wagon		
B1500	2002	110 ft-lbs
B1500	1998-01	115 ft-lbs
B1500	1995-97	110 ft-lbs
B2500 (9/16"-18 studs)	1992-02	150 ft-lbs
B2500	1998	115 ft-lbs
B2500	1997	110 ft-lbs
B2500	1995-96	115 ft-lbs
B3500 (9/16"-18 studs)	1999-02	150 ft-lbs
B3500 w/out 5/58" studs	1995-98	115 ft-lbs

with 5/8" studs	1995-98	225 ft-lbs
B150	1994	110 ft-lbs
B250/B350 w/out 5/8" studs	1994	115 ft-lbs
with 5/8" studs	1994	225 ft-lbs
Wagon		
B100/150	1972-93	105 ft-lbs
B200/250	1972-93	105 ft-lbs
B300/350 (1/2" studs)	1979-93	105 ft-lbs
B300/350 (5/8" studs)	1979-93	200 ft-lbs
w/ flanged 5/8" studs	1979-93	350 ft-lbs
Sprinter 2500	2004-05	140 ft-lbs
Sprinter 3500	2004-05	180 ft-lbs

Ford

Aerostar	1986-97	100 ft-lbs
Bronco	1987-96	100 ft-lbs
Bronco II	1987-90	100 ft-lbs
Escape	2001-05	100 ft-lbs
Excursion All	2001-05	160 ft-lbs
Excursion	2000	150 ft-lbs
Expedition (12mm stud)	1997-00	*100 ft-lbs
Expedition (14mm stud)	2000-05	*150 ft-lbs
Explorer	1991-05	100 ft-lbs
E150	1975-05	100 ft-lbs
E250/350 (8 lug 9/16"-18)	1988-05	140 ft-lbs
E Super Duty (10 lug)	2002-05	165 ft-lbs
F150 (12mm stud)	1988-00	*100 ft-lbs
F150 (14mm stud)	2000-05	*150 ft-lbs
F250/350 (8 lug 9/16"-18)	2001-03	160 ft-lbs
F250/350 (8 lug 9/16"-18)	1999-00	150 ft-lbs
F250/350 (8 lug 9/16"-18)	1988-98	140 ft-lbs
F Super Duty		
(10 lug 9/16"-18)	1999-05	165 ft-lbs
(10 lug 9/16"-18)	1996-98	140 ft-lbs
Ranger Pickup	1987-05	100 ft-lbs
Windstar/Freestar	1995-05	100 ft-lbs

* For 2000 model year, check lug nut washer for correct torque setting.

Honda

CR-V	1997-05	80 ft-lbs
Element	2003-05	80 ft-lbs
Odyssey	1995-05	80 ft-lbs
Passport	1994-02	90 ft-lbs
Pilot	2003-05	80 ft-lbs
Ridgeline	2005-06	100 ft-lbs

Hummer

H1/H2	2003-05	140 ft-lbs
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Hyundai

Santa Fe	2001-05	80 ft-lbs
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Infinity

QX4	1997-05	105 ft-lbs
FX35/FX45	2003-05	80 ft-lbs

Isuzu

Ascender	2003-05	80 ft-lbs
Amigo	1992-94	**85 ft-lbs
Amigo	1991	*75 ft-lbs
Axiom	2002-04	95 ft-lbs
Hombre	1996-00	95 ft-lbs
Oasis	1996-99	80 ft-lbs
Pickup	1995	**85 ft-lbs
Pickup	1991	*75 ft-lbs
Pickup	1990	**85 ft-lbs

Rodeo	1991-04	*65 ft-lbs
Trooper	1984-02	85 ft-lbs
Vehicross	1999-01	85 ft-lbs
* with aluminum wheels		85 ft-lbs
* with aluminum wheels		95 ft-lbs
Jeep		
Cherokee	1994-01	110 ft-lbs
Wagoneer 5-lug		110 ft-lbs
Wagoneer 6-lug		75 ft-lbs
Comanche	1984-92	75 ft-lbs
Grand Cherokee	1993-05	110 ft-lbs
Liberty	2002-05	110 ft-lbs
Wrangler	1994-05	110 ft-lbs
Wrangler/CJ	1990-93	80 ft-lbs
Kia		
Sedona	2002-04	75 ft-lbs
Sorento	2003-04	85 ft-lbs
Sportage	1995-05	85 ft-lbs
Land Rover		
Defender 90/110	1993-97	95 ft-lbs
Discovery	1994-99	95 ft-lbs
Discovery Series II	1999-05	105 ft-lbs
Freelander S/SE/HSE	2002-05	85 ft-lbs
LR3	2005	100 ft-lbs
Ranger Rover Classic	1987-95	95 ft-lbs
Ranger Rover HSE	1996-02	85 ft-lbs
Ranger Rover HSE	2003-05	105 ft-lbs
Range Rover SE	1995-01	85 ft-lbs
Lexus		
GX470	2003-05	85 ft-lbs
LX450	1996-97	80 ft-lbs
LX470	1998-05	95 ft-lbs
RX300/330	1999-05	80ft-lbs
Lincoln		
Aviator	2003-05	100 ft-lbs
Blackwood	2002-04	155 ft-lbs
Navigator(12mm stud)	1998-00	*100 ft-lbs
Navigator (14mm stud)	2000-04	*150 ft-lbs
Mark LT	2006	150 ft-lbs
* For 2000 model year, check lug nut washer for correct torque setting.		
Mazda		
B2200	1986-93	*85 ft-lbs
B2300/B4000	1994-05	100 ft-lbs
B2500/3000	1998-05	100 ft-lbs
B2600	1987-93	*85 ft-lbs
MPV	1996-05	85 ft-lbs
Navaho	1991-94	100 ft-lbs
Tribute	2001-05	105 ft-lbs
*with Chrome Steel Wheels		100 ft-lbs
Mercedes		
M-class	1998-05	110 ft-lbs
Mercury		
Mountaineer	1997-05	100 ft-lbs
Villager	1993-02	80 ft-lbs

Mitsubishi

Endeavor	2004-05	80 ft-lbs
Montero	2000-04	85 ft-lbs
Montero	1999	100 ft-lbs
Montero	1997-98	110 ft-lbs
Montero	1994-96	85 ft-lbs
Montero	1993	100 ft-lbs
Montero Sport	2000-05	85 ft-lbs
Montero Sport	1999	100 ft-lbs
Montero Sport	1997-98	105 ft-lbs
Outlander	2003-05	80 ft-lbs
Pickups	1992-96	100 ft-lbs
Pickups	1989-91	85 ft-lbs
Van/Wagons	1989-90	100 ft-lbs

Nissan

Pathfinder/Frontier	1987-05	105 ft-lbs
Pickups	1987-97	105 ft-lbs
Pickups (DRW)	1987-91	200 ft-lbs
Quest	1995-05	85 ft-lbs
Titan	2004-05	105 ft-lbs
Xterra/Murano	2000-05	80 ft-lbs

Oldsmobile

Bravada	1991-04	100 ft-lbs
Silhouette	1990-04	100 ft-lbs

Plymouth

Voyager/Grand Voyager	2000	110 ft-lbs
Voyager/Grand Voyager	1999	100 ft-lbs
Voyager/Grand Voyager	1984-98	95 ft-lbs

Pontiac

Aztec	2001-05	100 ft-lbs
Montana/Trans Sport	1990-05	100 ft-lbs

Saturn

Vue	2002-05	100 ft-lbs
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Subaru

Baja	2003-05	75 ft-lbs
Forester	1998-05	75 ft-lbs

Suzuki

Grand Vitara/Vitara	1999-05	70 ft-lbs
Samuri	1991-94	80 ft-lbs
Samuri	1985-90	55 ft-lbs
Sidekick	1989-98	75 ft-lbs
X-90	1996-98	70 ft-lbs

Toyota

Highlander	2001-05	80 ft-lbs
Land Cruiser	1999-05	100 ft-lbs
Land Cruiser	1994-98	*105 ft-lbs
Land Cruiser	1989-93	115 ft-lbs
Pickup 2WD (SRW)	1989-94	100 ft-lbs
Pickup 2WD (DRW)	1989-94	170 ft-lbs
Pickup 4WD	1991-92	80 ft-lbs
Previa/Rav4/Sienna	1991-05	80 ft-lbs
Sequoia	2001-05	85 ft-lbs
Tacoma	1999-05	85 ft-lbs
Tacoma	1995-98	80 ft-lbs
Tundra	2000-05	85 ft-lbs
T100	1995-98	80 ft-lbs

4 Runner	1999-05	85 ft-lbs
4 Runner	1988-98	80 ft-lbs
* With aluminum wheels		80 ft-lbs

Volkswagen

EuroVan	1997-03	130 ft-lbs
EuroVan	1992-96	115 ft-lbs
Pickups	1979-84	80 ft-lbs
Touareg	2004-05	120 ft-lbs

Volvo

XC90	2003-05	105 ft-lbs
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Motorhomes & Box Vans with Double Cap Lug Nuts

With 5/8" studs		450 ft-lbs
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Trailers & Applications Not Listed

7/16" studs		80 ft-lbs
1/2" studs		100 ft-lbs
9/16" studs		140 ft-lbs
5/8" studs		175 ft-lbs
10mm studs		50 ft-lbs
12mm studs		100 ft-lbs
14mm studs		120 ft-lbs

Abbreviation Key:

RWD - Rear Wheel Drive	FWD - Front Wheel Drive
SRW - Single Wheel Drive	DRW - Dual Wheel Drive
2WD - Two Wheel Drive	4WD - Four Wheel Drive