

All Clutch Torque Specs are to the best of our knowledge. We research service manuals for all these specs, but manufacturers have been known to change them.

ARCTIC CAT

Model	Year	Starter (wet) Clutch ft/lbs	Primary ft/lbs	Secondary ft/lbs
366 Auto 4x4	2008-10	147	147	147
375 Auto 2x4/4x4	2002	94	75-85	75-85
400 Manual 2x4/4x4	2002-08	94	75-85	75-86
400 I Auto 2x4/4x4	2003-08	94	75-85	75-87
450 I XC 4x4	2011-14	147	147	147
500 I TRX/TBX 4x4	2004-05	94	83	72
500 Auto 4x4	2006-09	94	83	72
500 I Auto 4x4	2001-05	94	83	72
500 Manual 4x4	1998-09	94	-	-
550 H1 EFI 4x4	2009	94	83	72
550 H1 Prowler EFI 4x4	2009-13	94	83	72
650 H1 4x4	2006-08	94	83	72
650 H1 Mud Pro 4x4	2010-11	94	83	72
650 H1 Prowler 4x4	2006-09	94	83	72
650 V2 4x4	2004-06	-	69	69
700 Alterra TRV 4x4	2017	94	83	72
700 Core/Limited 4x4	2013	94	83	72
700 EFI Auto 4x4	2006-08	94	83	72
700 H1 EFI 4x4	2008-12/14-15	94	83	72
700 H1 Mud Pro 4x4	2012-13	94	83	72
700 H1 Mud Pro 4x4	2009-10	94	83	72
700 Prowler HDX 4x4	2011-13	94	83	72
700 H1 Prowler EFI XT/XTX 4x4	2009-13	94	83	72
700 H1 Prowler 4x4	2008	94	83	72
700 H1 TRV 4x4	2010-16	94	83	72
700 Wildcat Sport 4x4	2015	-	60	60
700 Wildcat Trail 4x4	2014	-	60	60
1000 LTD/GT/XT 4x4 (ATV models)	2011-16	94	83	72
1000 Prowler XT/XTZ 4x4	2011-15	94	83	72
1000 Prowler XTZ 4x4	2009-10	94	83	72
Thunder Cat Auto 4x4	2008	94	83	72
1000 Thunder Cat H2 4x4	2009-10	94	83	72
1000 Wildcat Std, Ltd 4x4 w/Team Clutches (except X models)	2013-15	-	60	60
1000 Wildcat 4 4x4 w/Team Clutches (except X models)	2013-14	-	60	60
1000 Wildcat X, X Ltd 4x4	2013-15	-	60	60

CAN-AM

Model	Year	Primary ft/lbs	Secondary ft/lbs
400 Outlander EFI 4x4	2009-14	89 +/- 6	See note 1
400 Outlander 4x4	2003-08	74	44
450 Outlander L/Max L 4x4	2015-16	89 +/- 6	See note 1
500 Outlander EFI 4x4	2009-15	89 +/- 6	See note 1
500 Outlander 4x4	2007-08	74	44
500 Renegade EFI 4x4	2009-15	89 +/- 6	See note 1
500 Renegade 4x4	2008	74	44
570 Outlander 4x4 (all models)	2016	89 +/- 6	See note 1
650 Outlander 4x4 (all models except XMR)	2010-15	89 +/- 6	See note 1
650 Outlander HO EFI 4x4	2009	89 +/- 6	44
650 Outlander HO EFI 4x4	2007-08	74	44
650 Quest 4x4	2003-04	74	44
800 Commander 4x4	2011-15	89 +/- 6	See note 1
800 Outlander R XMR 4x4	2011-12	89 +/- 6	See note 1
800 Outlander R EFI 4x4	2009-15	89 +/- 6	See note 1
800 Outlander R EFI Xxc 4x4	2011	89 +/- 6	See note 1
800 Outlander HO EFI 4x4	2006-08	74	44
800 R Renegade EFI/EFI Xxc 4x4	2012-15	89 +/- 6	See note 1
800 R Renegade EFI/EFI Xxc 4x4	2010-11	89 +/- 6	See note 1
800 R Renegade EFI/EFI X 4x4	2009	89 +/- 6	44
800 Renegade HO EFI/EFI X 4x4	2007-08	74	44
850 Outlander 4x4	2016	89 +/- 6	See note 1
1000 Commander 4x4	2013-15	89 +/- 6	See note 1
1000 Commander 4x4	2011-12	89 +/- 6	See note 1
1000 Maverick 4x4	2014-15	See note 2	See note 3
1000 Maverick 4x4	2013	89 +/- 6	See note 1
1000 Outlander 4x4	2012-15	89 +/- 6	See note 1
1000 Outlander XMR 4x4	2013-15	89 +/- 6	See note 1
1000 Renegade 4x4	2012-15	89 +/- 6	See note 1

NOTE 1:

2010 and older models torque the secondary (driven) clutch to 44 ft/lbs. For 2011 and newer models Can-Am recommends using a new secondary (driven) clutchbolt every time the bolt has been removed. Can-Am's torque procedure for the new secondary (driven) clutch bolt is: Step 1 torque bolt to 15 ft/lbs +/- 1ft/lbs. Step 2 tighten; 180 degrees +/- 5 degrees.

NOTE 2:

Step 1 - Torque nut to 59 ft/lbs

Step 2 - Then torque nut to 89 ft/lbs +/- 6 ft/lbs OR 90 degrees whichever comes first

Step 3 - Apply blue Loctite to the set screw and torque to 48 ft/lbs

NOTE 3:

Step 1 - Tighten the retaining nut 15 ft/lbs +/- 1 ft/lbs.

Step 2 - Tighten retaining nut another 180 degrees +/- 5 degrees.

Step 3 - Thread on jam nut, hold the retaining nut with a wrench and torque the jam nut to 26 ft/lbs +/- 1 ft/lbs

Honda

Model	Year	Starter (wet) Clutch ft/lbs
TRX 300 2x4 (except EX models)	All	87
TRX 350 2x4/4x4	2000-05	87
TRX 350 TE/FE 2x4/4x4	2000-05	87
TRX 350 TM/FM 2x4/4x4	2000-05	87
TRX 400 AT Rancher 4x4	2004-07	87
TRX 400 FM Fourtrax Foreman 4x4	2002	87
TRX 400 FW Fourtrax Foreman 4x4	1997-01/03	87
TRX 400 Foreman 4x4	1997-03	87
TRX 420 Rancher 2x4/4x4	2007-16	87
TRX 450 FE/FM/S/ES 4x4	1998-04	87
TRX 450 Foreman 4x4	1998-04	87
TRX 500 Foreman 4x4	2012-16	87
TRX 500 Foreman 4x4	2005-09/11	87
TRX 500 Rubicon 4x4 (Non DCT Models)	2015-16	87
TRX 500 Rubicon 4x4	2011-14	87
TRX 500 Rubicon 4x4	2001-09	87

JOHN DEERE

Model	Year	Primary ft/lbs	Secondary ft/lbs
RSX850I Gator 4x4	2012	54	54

KAWASAKI

Model	Year	Primary ft/lbs	Secondary ft/lbs
360 Prairie 4x4	2002-13	69	69
650 Brute Force 4x4	2006-13	69	69
650 Brute Force 4x4	2005	69	69
650 Prairie 4x4	2002-03	69	69
700 KFX 2x4	2003-06	69	69
700 Prairie 4x4	2004-06	69	69
750 Brute Force 4x4	2006-07	69	69
750 Brute Force 4x4	2005	69	69
750 Brute Force EFI 4x4i	2012-16	69	69
750 Brute Force EFI 4x4i	2008-11	69	69
750 Teryx EFI 4x4	2009-13	69	69
750 Teryx 4x4	2008	69	69
3010 Mule Trans 4x4	2007	56	69

KYMCO

Model	Year	Starter (wet) Clutch ft/lbs	Primary ft/lbs	Secondary ft/lbs
375 MXU 4x4	2009-11	147	147	147
450 MAXXER 4x4	2011-12	147	147	147
500 MXU	2007-08	-	100	70
500 UXV	2009	-	100	70
700 MXU	2014	115	100	72

POLARIS

Model	Year	Primary ft/lbs	Secondary ft/lbs
250 Trail Blazer/Trail Boss 2x4	1988-05	45-47	15
250 Xplorer 2x4	2000-02	45-47	15
300 Xplorer 4x4/Xpress 2x4	1996-99	45-47	15
325 Magnum 2x4/4x4	2000-02	45-47	15
325 Trail Boss 2x4	2000-02	45-47	15
330 ATP 4x4	2004-05	45-47	15
330 Magnum 2x4/4x4	2003-05	45-47	15
330 Trail Boss 2x4	2003-05	45-47	15
335 Sportsman 4x4	1999-00	45-47	15
400 Ranger 4x4	2010	45-47	15
400 Scrambler 2x4	2002	45-47	15
400 Scrambler 2x4	2001	45-47	15
400 Scrambler 2x4	1994-00	45-47	15
400 Scrambler 4x4	1995-02	45-47	15
400 Sport 2x4	1994-99	45-47	15
400 Sportsman 4x4	2011-14	45-47	15
400 Sportsman 4x4	2001-05	45-47	15
400 Sportsman 4x4	1993-97	45-47	15
400 Trail Blazer 2x4	2003	45-47	15
400 Xplorer 4x4	1993-02	45-47	15
400 Xpress 2x4	1995-97	45-47	15
425 Magnum 2x4/4x4	1995-98	45-47	15
450 Sportsman 4x4	2006	45-47	15
500 ATP 4x4	2004-05	45-47	15
500 Big Boss 6x6	1998-99	45-47	15
500 Magnum 4x4 (non-EBS)	1999-02	45-47	15
500 Magnum 4x4 (EBS)	1999-02	45-47	15
500 Ranger 2x4/4x4/6x6	2004-05	45-47	15
500 Ranger Crew 4x4	2011-13	45-47	15
500 Ranger EFI 4x4	2010-13	45-47	15
500 Ranger EFI 4x4	2009	45-47	15
500 Ranger EFI 4x4	2008	45-47	15
500 Ranger EFI/Carb 4x4	2006-07	45-47	15
500 Scrambler 2x4	2001-02	45-47	15
500 Scrambler 4x4	1999-08	45-47	15
500 Scrambler 4x4	1998	45-47	15

POLARIS (Continued)

Model	Year	Primary ft/lbs	Secondary ft/lbs
500 Scrambler 4x4	1997	45-47	15
500 Sportsman 4x4 (EBS)	1998-00	45-47	15
500 Sportsman 4x4	1996-98	45-47	15
500 Sportsman 6x6 (non EBS)	2000-06	45-47	15
500 Sportsman EFI 4x4 (EBS)	2008-09	45-47	15
500 Sportsman EFI 4x4	2007	45-47	15
500 Sportsman EFI 4x4 (EBS)	2006	45-47	15
500 Sportsman EFI X2/Touring 4x4 (EBS)	2008	45-47	15
500 Sportsman DUSE 4x4 (EBS)	2000-01	45-47	15
500 Sportsman HO 4x4 (EBS)	2001-05	45-47	15
500 Sportsman HO Carb 4x4 (Non EBS)	2006/08-13	45-47	15
500 Xplorer 4x4	1997	45-47	15
550 Sportsman X2 4x4	2010	45-47	15
550 Sportsman EFI 4x4	2011-14	45-47	15
550 Sportsman XP EFI 4x4	2009-10	45-47	15
570 Ranger Full Size 4x4/Ranger Crew Full Size 4x4 (Non EBS)	2015	47-50	36
570 Ranger Mid-Size 4x4 (Non EBS)	2015	47-50	36
570 Ranger Mid-Size 4x4	2014	47-50	36
570 Ranger Crew Mid-Size 4x4	2014	47-50	36
570 RZR 4x4 (EBS)	2013-15	45-47	36
570 RZR 4x4 (Non EBS) built 9/18/12 and after	2013-15	45-47	36
570 RZR 4x4	2012	45-47	36
570 Sportsman 4x4 (EBS)	2014-15	47-50	40
570 Sportsman 4x4 (Non EBS)	2014-15	47-50	36
570 Sportsman ACE 4x4 (EBS)	2015	47-50	40
570 Sportsman ACE 4x4 (Non EBS)	2015	47-50	36
570 Sportsman SP 4x4 (EBS)	2015	47-50	40
570 Sportsman Touring 4x4 (EBS)	2014-15	47-50	40
570 Sportsman Touring SP 4x4 (EBS)	2015	47-50	40
570 Sportsman X2 4x4 (EBS)	2015	47-50	40
600 Sportsman 4x4 (EBS)	2003-05	45-47	15
700 Ranger Crew 4x4	2008-09	45-47	15
700 Ranger HD 4x4	2009	45-47	15
700 Ranger XP 4x4	2008-09	45-47	15
700 Ranger XP 4x4	2007	45-47	15
700 Ranger XP 4x4	2005-06	45-47	15
700 Sportsman 4x4	2005-06	45-47	15
700 Sportsman 4x4 (EBS)	2002-04	45-47	15
700 Sportsman EFI 4x4	2007	45-47	15
700 Sportsman EFI 4x4	2004-06	45-47	15
700 Sportsman EFI X2 4x4 (EBS)	2008	45-47	15
800 Ranger Crew 4x4 (Full Size)	2010-14	45-47	15
800 Ranger HD 4x4	2010-11	45-47	15
800 Ranger Mid-Size 4x4	2013	45-47	15

POLARIS (Continued)

Model	Year	Primary ft/lbs	Secondary ft/lbs
800 Ranger XP 4x4 (Full Size)	2010-14	45-47	15
800 Ranger 6x6	2010-13	45-47	15
800 RZR EPS 4x4 (EBS)	2013	45-47	15
800 RZR 4x4 (Non EBS)	2009-14	45-47	15
800 RZR 4x4	2008	45-47	15
800 RZR 4 4x4	2010-14	45-47	15
800 RZR S 4x4	2010-14	45-47	15
800 RZR S 4x4	2009	45-47	15
800 Sportsman EFI 4x4	2010-14	45-47	15
800 Sportsman EFI 4x4 (EBS)	2009	45-47	15
800 Sportsman EFI HO 4x4 (EBS)	2008	45-47	15
800 Sportsman EFI 4x4	2005-06	45-47	15
800 Sportsman EFI Deluxe 4x4 (EBS)	2007	45-47	15
800 Sportsman EFI Standard 4x4 (Non EBS)	2007	45-47	15
800 Sportsman EFI Standard 4x4 (EBS)	2007	45-47	15
800 Sportsman EFI Touring 4x4 (EBS)	2008	45-47	15
800 Sportsman EFI X2 4x4	2007	45-47	15
850 Scrambler 4x4	2015-16	45-47	15
850 Scrambler 4x4	2013-14	45-47	15
850 Sportsman 4x4/Sportsman SP 4x4	2016	45-47	15
850 Sportsman 4x4/Sportsman SP 4x4	2015	45-47	15
850 Sportsman XP HO 4x4	2012-14	45-47	15
850 Sportsman XP EFI 4x4	2011	45-47	15
850 Sportsman XP EFI 4x4	2009-10	45-47	15
900 RZR S 60" (Non EBS)	2015	95	40
900 RZR 50" 4x4 (EBS)	2016	95	40
900 RZR Trail 50" 4x4 (EBS)	2015	95	40
900 RZR XP 4x4	2012-14	95	40
900 RZR XP 4x4	2011	95	40
900 RZR XP 4 4x4	2012-14	95	40
900 Ranger 4x4 (EBS)	2016	95	38
900 Ranger 4x4 (Non EBS)	2016	95	38
900 Ranger Crew 4x4 (Non EBS)	2014-15	95	38
900 Ranger High Lifter Edition 4x4	2016	95	38
900 Ranger XP 4x4 (Non EBS)	2015	95	38
900 Ranger XP 4x4 (Non EBS)	2014	95	38
900 Ranger XP 4x4 (EBS)	2014	95	38
900 Ranger XP 4x4	2013	95	38
1000 General 4x4 (EBS)	2016	95	40-45
1000 RZR S 60" 4x4	2016	95	40-45
1000 RZR XP 4x4 (will not fit the High Lifter Edition)	2016	95	40-45
1000 RZR XP 4x4 (will not fit the High Lifter Edition)	2015	95	40-45
1000 RZR XP 4x4	2014	95	40-45
1000 RZR XP 4 4x4	2015	95	40-45

POLARIS (Continued)

Model	Year	Primary ft/lbs	Secondary ft/lbs
1000 RZR XP 4 4x4	2014	95	40-45
1000 RZR XP High Lifter Edition 4x4	2015	95	40-45
RZR XP Turbo 4x4	2016	95	40-45
1000 Scrambler XP 4x4	2014	47-50	-
1000 Sportsman High Lifter Edition 4x4	2016	47-50	-
1000 Sportsman XP 4x4	2015	47-50	-

SUZUKI

Model	Year	Starter (wet) Clutch ft/lbs	Primary ft/lbs	Secondary ft/lbs
400 Eiger 2x4/4x4	2002-08	94	85	83
400 King Quad 4x4 (Auto)	2008-14	94	85	83
450 King Quad AXi 4x4	2008-09	94	85	83
450 King Quad 4x4	2007	94	85	83
500 King Quad AXi 4x4	2009	94	85	83
500 Vinson 4x4	2002-06	94	85	83
500 Vinson Manual 4x4	2002-07	94	-	-
700 King Quad 4x4	2007	94	85	83
700 King Quad 4x4	2005-06	94	85	83
700 Twin Peaks 4x4 Auto	2004-06	-	69	69
750 King Quad AXi 4x4	2008-16	94	85	83

YAMAHA

Model	Year	Starter (wet) Clutch ft/lbs	Primary ft/lbs	Secondary ft/lbs
250 Bear Tracker 2x4	1999-04	100	-	-
250 Bruin 2x4	2005-06	100	-	-
250 Timberwolf 4x4	1992-00	100	-	-
350 Big Bear 2x4	1999	100	-	-
350 Big Bear 4x4	1997-99	100	-	-
350 Bruin 2x4 Auto	2004-06	115	85	72
350 Bruin 4x4 Auto	2004-06	115	85	72
350 Grizzly 2x4	2007-11	115	85	72
350 Grizzly 4x4	2008-14	-	85	72
350 Grizzly 4x4	2007	115	85	72
350 Wolverine 2x4	2006-09	115	85	72
400 Big Bear 4x4	2007-12	100	-	-
400 Big Bear 2x4/4x4	2000-06	100	-	-
400 Kodiak 4x4	2000-06	115	85	72
400 Grizzly 4x4	2007-08	115	85	72
450 Grizzly 4x4	2008-14	115	85	72
450 Grizzly 4x4	2007	115	85	72
450 Kodiak 4x4	2003-06	115	85	72
450 Rhino 4x4	2006-09	115	85	72
450 Wolverine 4x4	2006-10	115	85	72
550 Grizzly FI 4x4	2009-14	115	85	72

YAMAHA (Continued)

Model	Year	Starter (wet) Clutch ft/lbs	Primary ft/lbs	Secondary ft/lbs
600 Grizzly 4x4	1998-01	115	85	72
660 Grizzly 4x4	2002-08	115	85	72
660 Rhino 4x4	2004-07	115	85	72
700 Grizzly 4x4	2007-16	140	100	72
700 Kodiak 4x4	2016	140	100	72
700 Rhino FI 4x4	2009/11-13	115	85	72
700 Rhino FI 4x4	2008	115	85	72
700 Viking 4x4	2014-15	115	85	72
700 Wolverine 4x4	2016	137	85	72