

Torque Specifications

Note: Torque specifications have the following tolerances:

Torque (ft-lb)	Tolerance
0-15	± 20%
16-39	± 15%
40+	± 10%

DRIVE SYSTEM		Torque		
Item	Secured to	N-m	kg-m	ft-lb
Primary Sheave (Initial) ***	Engine	150	15	108
Primary Sheave (Final) ***	Engine	60	6	43
Primary Sheave Cover	Movable Sheave	14	1.4	10
Cam Arm Pin Lock Nut	Cam Arm Pin	6	0.6	4.3
Cam Arm Set Screw	Sliding Sheave	4	0.4	2.9
Secondary Sheave	Driven Shaft	60	6	43
Seat Spring	Secondary Sliding Sheave	23	2.3	17
Chain Case (Cap Screw)	Chassis	11	1.1	96 in.-lb
Chain Case (Torx-Head Screw)	Chassis	16	1.6	12
Chain Case Cover	Chain Case	16	1.6	12
Shift Actuator	Chain Case Cover	4	0.4	36 in.-lb
Brake Caliper	Chassis	34	3.5	25
Inner Caliper Housing Drive-shaft	Driveshaft	34	3.5	25
Bearing Housing **				
Outside Caliper Housing	Inside Caliper Housing	34	3.5	25
Brakeline	Caliper	34	3.5	25
Brakeline	Master Cylinder	34	3.5	25
Brake Caliper	Shield Cover	11	1.1	96 in.-lb
STEERING/FRONT SUSPENSION/CHASSIS				
Ski	Spindle	48	4.8	35
Ski	Wearbar	11	1.1	96 in.-lb
Ski	Ski Handle	6	0.6	54 in.-lb
Handlebar Adjuster Block	Post	20	2	15
Steering Support	Mounting Block	11	1.1	96 in.-lb
Steering Post	Steering Stop Bracket	58	5.9	43
Steering Tie Rod	Steering Arm	27	2.8	20
Steering Tie Rod	Steering Post	48	4.9	35
Steering Post Cap	Riser Block	13.5	1.35	10 in.-lb
Tie Rod	Steering Post	27	2.8	20
Tie Rod	Steering Tie Rod Bracket	27	2.8	20
Tie Rod **	Spindle Arm	43	4.4	32
Steering Support	Spar	16	1.6	12
Steering Support	Upper Console	3.5	0.36	30 in.-lb
Steering Arm	Chassis	11	1.1	8
A-Arm (Upper) (MTX)	Chassis	12	1.2	9
A-Arm (Upper)	Chassis	31	3.2	23
A-Arm (Lower)	Chassis (Front)	88	9	65
A-Arm (Lower)	Chassis (Rear)	61	6.2	45
A-Arm (RTX/LTX)	Spindle	61	6.2	45
A-Arm (MTX)	Spindle	31	3.3	23
Shock Absorber (RTX/LTX)	A-Arm	43	4.4	32
Shock Absorber (RTX/LTX)	Chassis	43	4.4	32
Shock Absorber (MTX)	A-Arm	33	3.3	24
Shock Absorber (MTX)	Chassis	33	3.3	24
Sway Bar Link	A-Arm/Sway Bar Link	31	3.2	23
Sway Bar Mounting Bracket	Chassis	12	1.2	9
STEERING/FRONT SUSPENSION/CHASSIS				
Wear Strip	Rail	5.5	0.56	50 in.-lb
End Cap	Rail	9	0.9	80 in.-lb
End Cap/Rail Cap Wheel (MTX)	Rail	27	2.8	20
Mounting Block	Rail	27	2.8	20
Rear Wheel Axle **	Rail	48	4.9	35
Rear Arm	Rail	27	2.8	20
Rail Support	Rail	27	2.8	20
Front Shock	Rail	68	6.9	50
Offset Arm *	Idler Arm	27	2.8	20
Idler Arm (XTX)	Idler Arm	54	5.5	10
Rear Shock (XTX)	Front Arm/Idler Arm	41	4.2	30
Front Shock (XTX)	Front Arm	54	5.5	10
Limiter Strap	Rail Support	8.1	0.83	6
Front Arm **	Tunnel	61	6.2	45
Rear Arm	Idler Arm	54	5.5	10
Rear Idler Wheel	Rear Idler Wheel	9	0.9	80 in.-lb
Rear Shock Link (XTX)	Front Arm/Idler Arm	41	4.2	30
Skid Frame (XTX) **	Tunnel	61	6.2	45
Spring Slide (RTX)	Rail	27	2.8	20
Coupler Block Axle (RTX)	Rail	54	5.5	40
Skid Frame (RTX) **	Tunnel	61	0.2	45
Limiter Strap (RTX)	Front Arm	8.1	0.83	5
Rear Shock (RTX)	Front Arm/Idler Arm	54	5.5	10
Rear Shock Link (RTX)	Front Arm/Idler Arm	54	5.5	10
* w/Green Loctite #609 ** w/Blue Loctite #243 *** w/Oil				

Torque Conversions

N-m	kg-m	ft-lb	N-m	kg-m	ft-lb	N-m	kg-m	ft-lb	N-m	kg-m	ft-lb
1	0.1	0.72	5	0.5	3.6	40	4.0	29	80	8	58
1.1	0.11	0.8	6	0.6	4.3	41	4.1	30	81	8.1	59
1.2	0.12	0.87	7	0.7	5.1	42	4.2	30	82	8.2	59
1.3	0.13	0.94	8	0.8	5.8	43	4.3	31	83	8.3	60
1.4	0.14	1	9	0.9	6.5	44	4.4	32	84	8.4	61
1.5	0.15	1.1				45	4.5	33	85	8.5	61
1.6	0.16	1.2				46	4.6	33	86	8.6	62
1.7	0.17	1.2				47	4.7	34	87	8.7	63
1.8	0.18	1.3				48	4.8	35	88	8.8	64
1.9	0.19	1.4				49	4.9	35	89	8.9	64
2	0.2	1.5	10	1.0	7.2	50	5.0	36	90	9	65
2.1	0.21	1.5	11	1.1	8	51	5.1	37	91	9.1	66
2.2	0.22	1.6	12	1.2	8.7	52	5.2	38	92	9.2	67
2.3	0.23	1.7	13	1.3	9.4	53	5.3	38	93	9.3	67
2.4	0.24	1.7	14	1.4	10	54	5.4	39	94	9.4	68
2.5	0.25	1.8	15	1.5	11	55	5.5	40	95	9.5	69
2.6	0.26	1.9	16	1.6	12	56	5.6	41	96	9.6	69
2.7	0.27	2	17	1.7	12	57	5.7	41	97	9.7	70
2.8	0.28	2	18	1.8	13	58	5.8	42	98	9.8	71
2.9	0.29	2.1	19	1.9	14	59	5.9	43	99	9.9	72
3	0.3	2.2	20	2.0	14	60	6.0	43	100	10	72
3.1	0.31	2.2	21	2.1	15	61	6.1	44	105	10.5	76
3.2	0.32	2.3	22	2.2	16	62	6.2	45	110	11	80
3.3	0.33	2.4	23	2.3	17	63	6.3	46	115	11.5	83
3.4	0.34	2.5	24	2.4	17	64	6.4	46	120	12	87
3.5	0.35	2.5	25	2.5	18	65	6.5	47	125	12.5	90
3.6	0.36	2.6	26	2.6	19	66	6.6	48	130	13	94
3.7	0.37	2.7	27	2.7	20	67	6.7	48	135	13.5	98
3.8	0.38	2.8	28	2.8	20	68	6.8	49	140	14	100
3.9	0.39	2.9	29	2.9	21	69	6.9	50	145	14.5	105
4	0.4	2.9	30	3.0	22	70	7.0	51	150	15	108
4.1	0.41	3	31	3.1	22	71	7.1	51	155	15.5	112
4.2	0.42	3	32	3.2	23	72	7.2	52	160	16	116
4.3	0.43	3.1	33	3.3	24	73	7.3	53	165	16.5	119
4.4	0.44	3.2	34	3.4	25	74	7.4	54	170	17	123
4.5	0.45	3.3	35	3.5	25	75	7.5	54	175	17.5	127
4.6	0.46	3.3	36	3.6	26	76	7.6	55	180	18	130
4.7	0.47	3.4	37	3.7	27	77	7.7	56	185	18.5	134
4.8	0.48	3.5	38	3.8	27	78	7.8	56	190	19	137
4.9	0.49	3.5	39	3.9	28	79	7.9	57	195	19.5	141