

# General Specifications

CHASSIS	
Brake Type	Hydraulic w/Brake Lever Lock and Auxiliary Brake
Tire Size	(350) Front - 24 x 8-12 Rear - 24 x 10-12 (425) Front - 25 x 8-12 Rear - 25 x 10-12
Tire Inflation Pressure	27.6 kPa (4 psi)
MISCELLANY	
Gas Tank Capacity (rated)	15.1 L (4.0 U.S. gal.)
Rear Drive Capacity	250 ml (8.5 fl oz)*
Front Differential Capacity	275 ml (9.3 fl oz)**
Coolant Capacity (425)	2.9 L (3.0 U.S. qt)
Engine Oil Capacity	3.3 L (3.5 U.S. qt) - Overhaul 2.8 L (3.0 U.S. qt) - Change
Gasoline (recommended)	87 Octane Regular Unleaded
Engine Oil (recommended)	Arctic Cat ACX All Weather (Synthetic)
Differential/Rear Drive Lubricant	SAE Approved 80W-90 Hypoid
Drive Belt Width (minimum)	28.5 mm (1.12 in.)
Brake Fluid	DOT 4
Taillight/Brakelight	12V/5W/21W
Headlight	12V/35W (4)

Specifications subject to change without notice.

\* One inch below plug threads.

\*\* At the plug threads.

# Torque Specifications

EXHAUST COMPONENTS			
Part	Part Bolted To	Torque	
		ft-lb	N-m
Exhaust Pipe	Engine	20	27
Spark Arrester	Muffler	48 in.-lb	5.5
ELECTRICAL COMPONENTS			
Coil	Frame	12	16
Starter Motor Positive Cable	Starter Motor	8	11
STEERING COMPONENTS			
Steering Post Bearing Housing	Frame	20	27
Handlebar Cap	Steering Post	20	27
Lower Steering Post Bearing Cap Screw	Steering Post	40	54
Tie Rod End**	Steering Post Arm	30	41
CHASSIS COMPONENTS			
Footrest	Frame (8 mm)	20	27
Bumper	Frame (8 mm)	20	27

ENGINE/TRANSMISSION			
Part	Part Bolted To	Torque	
		ft-lb	N-m
Clutch Shoe**	Crankshaft	147	199
Clutch Cover/Housing Assembly	Crankcase	8	11
Left-Side Cover	Crankcase	8	11
Crankcase Half (6 mm)	Crankcase Half	10	13.5
Crankcase Half (8 mm)	Crankcase Half	21	28
Cylinder Nut	Crankcase Half	8	11
Cylinder Head (Cap Screw)	Crankcase	28	38
Cylinder Head Nut	Cylinder	20	27
Cylinder Head (6 mm) (350)	Cylinder	8	11
Cylinder Head (8 mm) (350)	Cylinder	20	27
Cylinder Head Cover (350)	Cylinder Head	8	11
Oil Pump Drive Gear**	Crankshaft	63	86
Driven Pulley Nut**	Driveshaft	147	199
Ground Cable	Engine	8	11
Output Shaft Flange Nut (350)	Output Shaft	74	101
Magneto Rotor Nut	Crankshaft	107	146
Cam Sprocket**	Camshaft	11	15
V-Belt Cover	Crankcase	8	11
Valve Adjuster Jam Nut	Valve Adjuster	7	9.5
Starter Motor	Crankcase	8	11
Valve Cover	Crankcase	8	11
Oil Fitting	Engine	8	11
Oil Pump*	Crankcase	8	11
Movable Drive Face Nut**	Clutch Shaft	147	199
Oil Cooler Hose Clamps	Engine/Oil Cooler	30 in.-lb	3.4
Output Shaft Flange Nut (425)	Output Shaft	59	80
Cam Chain Tensioner Guide (425)	Cylinder	11	15
Tappet Cover (425)	Valve Cover	8	11
Cam Chain Tensioner (425)	Cylinder	10	13.5
Magneto Cover (425)	Crankcase	8	11
Rear Driveline (425)	Output Drive Flange	20	27
Water Pump Cover/Housing (425)	Magneto Cover	8	11
Water Pump Drive Gear (425)	Crankshaft	28	38
SUSPENSION COMPONENTS (Front)			
A-Arm	Frame	35	47
Knuckle	Ball Joint	35	47
Shock Absorber	Frame	35	47
Shock Absorber	Upper A-Arm	35	47
Knuckle	A-Arm	35	47
SUSPENSION COMPONENTS (Rear)			
Shock Absorber (Upper)	Frame	35	47
Shock Absorber (Lower)	Lower A-Arm	35	47
A-Arm	Frame	35	47
Knuckle	A-Arm	35	47

\* w/Blue Loctite #243

\*\* w/Red Loctite #271

\*\*\* w/Green Loctite #609