

General Information

General Specifications

FUEL INJECTION	
Type	Lombardini Unit Injectors
Idle RPM (engine warm)	800-900
Throttle Cable Free-Play (at lever)	1/4 in.
ELECTRICAL	
Glow Plug Type	Lombardini
Alternator	Denso 12V/40 Amp
CHASSIS	
Brake Type	Hydraulic w/Brake Lever Lock and Auxiliary Brake
Tire Size	Front - 25 x 8-12 Rear - 25 x 10-12
Tire Inflation Pressure	0.35 kg/cm ² (5 psi)
MISCELLANY	
Fuel Tank Capacity	20.81 L (5.5 U.S. gal.)
Coolant Capacity	5.6 L (5.9 U.S. qt)
Front Differential Capacity	275 ml (9.3 fl oz)*
Rear Drive Capacity	250 ml (8.5 fl oz)*
Engine Oil Capacity (with filter)	2.0 L (2.1 U.S. qt)
Engine Oil Capacity (without filter)	1.9 L (2.0 U.S. qt)
Transmission Capacity	600 ml (20.3 fl oz)
Fuel (recommended)	Biodiesel Blend up to 20% (B20)/ 42-50 Cetane Diesel - #1 or #2/JP 5 or JP 8 Turbine
Engine Oil (recommended)	SAE 10W-40
Differential/Rear Drive Lubricant	SAE Approved 80W-90 Hypoid
Transmission Lubricant	SAE Approved 80W-90 Hypoid
Drive Belt Width (minimum)	31.25 mm (1.23 in.)
Brake Fluid	DOT 4
Taillight/Brakelight	12V/8W/27W
Headlight	12V/27W (2)

Specifications subject to change without notice.

* One inch below plug threads.

Torque Specifications

STEERING COMPONENTS			
Part	Part Bolted To	Torque	
		ft-lb	N-m
Handlebar Cap	Steering Post	20	27
Steering Post Bearing Housing	Frame	20	27
Steering Post Bearing Flange	Frame	20	27
Tie Rod End	Knuckle/Steering Post	30	41
EXHAUST COMPONENTS			
Exhaust Pipe	Exhaust Manifold	14	19
Spark Arrester	Muffler	48 in.-lb	5
ELECTRICAL COMPONENTS			
Ground Wire	Transmission	8	11
CHASSIS COMPONENTS			
Shift Lever***	Shift Axle	8	11

DRIVE TRAIN COMPONENTS			
Part	Part Bolted To	Torque	
		ft-lb	N-m
Front Mounting Bracket	Engine	20	27
Engine Mount (Upper)**	Frame	35	48
Engine Mount (Front/Rear)	Frame	20	27
Front Differential***	Frame/Differential Bracket	38	52
Rear Drive Gear Case	Frame	38	52
Input Housing	Gear Case Housing	23	31
Output Drive Yoke Nut*	Output Shaft	72	98
Differential Housing Cover**	Differential Housing	23	31
Drive Bevel Gear Retaining Nut**	Secondary Output Shaft	87	118
Secondary Drive/Bevel Gear Shaft	Transmission Case	80	108
Pinion Housing	Gear Case	25	34
Ring Gear/Thrust Button*	Gear Case	8	11
Gear Case Cover	Gear Case	23	31
Lock Collar	Differential Housing	125	170
Hub Nut	Shaft/Axle (min)	200	272
Drain Plug	Front Differential/Rear Drive	42 in.-lb	5
Fill Plug	Front Differential/Rear Drive	16	22
Oil Drain Plug	Engine	18	24
Wheel	Hub	45	61
BRAKE COMPONENTS			
Brake Disc***	Hub	15	19
Brake Hose	Caliper	20	27
Brake Hose	Master Cylinder	20	27
Brake Hose	Auxiliary Brake Cylinder	20	27
Auxiliary Brake Pedal	Lever Axle	25	34
Caliper Holder	Knuckle	20	27
Auxiliary/Hydraulic Caliper****	Knuckle	20	27
SUSPENSION COMPONENTS (Front)			
A-Arm	Frame	50	68
Ball Joint Cap Screw	Knuckle	35	48
Shock Absorber	Frame	50	68
Shock Absorber	Upper A-Arm	50	68
SUSPENSION COMPONENTS (Rear)			
A-Arm	Frame	50	68
Shock Absorber (Upper)	Frame	50	68
Shock Absorber (Lower)	Lower A-Arm	20	27
Knuckle	A-Arm	50	68

* w/Red Loctite #271

** w/Green Loctite #609

*** w/Blue Loctite #243

**** "Patch-Lock"