

Unit: mm (in)

LUBRICATION SYSTEM		ITEM		STANDARD	SERVICE LIMIT
Engine oil capacity	At draining		3.8 ℓ (4.0 US qt, 3.3 Imp qt)		_____
	At disassembly		4.6 ℓ (4.9 US qt, 4.0 Imp qt)		_____
	At oil filter change		3.9 ℓ (4.1 US qt, 3.4 Imp qt)		_____
Recommended engine oil				HONDA GN4 4-stroke oil or equivalent motor oil API service classification SF or SG Viscosity: SAE 10W-40	_____
Oil pressure at oil pressure switch				490 kPa (5.0 kgf/cm ² , 71 psi) at 5,400 rpm/(80 °C/176 °F)	_____
Oil pump rotor	Feed pump	Tip clearance	0.15 (0.006) max.		0.20 (0.008)
		Body clearance	0.15 – 0.21 (0.006 – 0.008)		0.35 (0.014)
		Side clearance	0.04 – 0.09 (0.002 – 0.004)		0.12 (0.005)
	Cooler pump	Tip clearance	0.15 (0.006) max.		0.20 (0.008)
		Body clearance	0.15 – 0.21 (0.006 – 0.008)		0.35 (0.014)
		Side clearance	0.04 – 0.09 (0.002 – 0.004)		0.12 (0.005)

FUEL SYSTEM (Programmed Fuel Injection)		ITEM		SPECIFICATIONS
Throttle body identification number	49 state/Canada type		GQ 40 D	
	California type		GQ 40 B	
Starter valve vacuum difference				20 mm Hg
Base throttle valve for synchronization				No. 3
Idle speed				1,100 ± 50 rpm
Throttle grip free play				2 – 6 mm (1/16 – 1/4 in)
Intake air temperature sensor resistance (at 20 °C/68 °F)				1 – 4 kΩ
Engine coolant temperature sensor resistance (at 20 °C/68 °F)				2.3 – 2.6 kΩ
Fuel injector resistance (at 20 °C/68 °F)				13.0 – 14.4 kΩ
PAIR solenoid valve resistance (at 20 °C/68 °F)				20 – 24 Ω
Cam pulse generator peak voltage (at 20 °C/68 °F)				0.7 V minimum
Ignition pulse generator peak voltage (at 20 °C/68 °F)				0.7 V minimum
Manifold absolute pressure at idle				200 – 250 mm Hg
Fuel pressure at idle	'99:		294 kPa (3.0 kgf/cm ² , 43 psi)	
	After '99:		343 kPa (3.5 kgf/cm ² , 50 psi)	
Fuel pump flow (at 12 V)				Minimum 220 cm ³ (7.4 US oz, 7.7 Imp oz) for 10 seconds