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## General Specifications

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### Engine

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Engine Type	4-stroke, V-Twin SOHC W/C
Displacement	749 cc
Bore x Stroke	85.0 x 66.0 mm
Compression Ratio	8.8:1
Throttle Body	Mikuni 36mm (2)
Ignition System	Digital DC-CDI
Cylinder Material	Aluminum alloy with ferrous sleeve

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### Transmission

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Transmission	Continuously variable transmission - belt drive Hi/Low Range, Automatic, with Reverse
Gear Ratios	—Low 4.833 —High 3.098 —Reverse 4.028
Primary Ratio	3.12 - 0.64 Belt Converter
Final Drive System	Shaft four-wheel drive
Final Ratio	4.38 (35/8)

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### Chassis

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Wheelbase	1,284mm (50.5 in.)
Overall Width	1,166mm (45.9 in.)
Seat Height	903mm (35.6 in.)
Ground Clearance	247mm (9.7 in.)
Dry Weight	274.5 kg (605 lb.)
Curb Weight	—Front 148.5 kg (327 lb.) —Rear 147 kg (324 lb.)
Max. Vehicle Capacity	215 kg (474 lb.)
Fuel Tank Capacity	19 L (5.0 gal.)
Tire Size	—Front 25 x 8 x 12 Tubeless —Rear 25 x 10 x 12 Tubeless
Brake Type	—Front Dual Hydraulic Disc —Rear Sealed Multi-Disc
Brake Size	—Front 176 mm effective diameter —Rear N/A
Wheel Travel	—Front 171mm (6.7 in.) —Rear 200mm (7.9 in.)

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## Model Identification

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Year & Model	'08 KVF750D8F:BRUTE FORCE 750 4X4i
Color	1. Colored Plastic Sunbeam Red (6B) 2. Colored Plastic Super Black (839) 4. Colored Plastic Woodsman Green (286) 3. Lime Green (777)
VIN Range	JKAVFDD1✓8B500001
Engine No. Range	VF750DE500001 —
Engine No. Location	RH lower part of crankcase

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### Tuning Specifications

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Engine	
Valve Clearance (Cold)	Intake: 0.10 ~ 0.15mm Exhaust: 0.10 ~ 0.25mm
— Adjustment method	Rocker Arm Screw
Compression Pressure	52 psi at 380 rpm
Engine Oil	10W40 API SF or SG, API SH, SJ or SL of JASO MA Class
— Capacity	2.6 L (2.7 qt.)
— Level	Between marks on dipstick

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### Ignition

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Spark Plug	— US CR7E
	— Gap 0.7 - 0.8 mm
Ignition Timing	10° BTDC at 1,100 rpm

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### Chassis

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Tire Pressure (Cold)	— Front 5 psi — Rear 5 psi
Final Gear Case Oil	— Front API SF or SG API SH or SJ with JASO MA Class
— Viscosity	SAE 10W-40
— Capacity	0.4 L (13.5 fl. oz.)
— Rear	Mobil Fluid 424, CITGO Transguard Tractor Hydraulic Fluid, Exxon Hydraul 560 When above 5° C (41° F) SAE 90 When below 5° C (41° F) SAE 80
— Capacity	0.72 L (24.3 fl.oz.)