



'07 Beamer Matrix II

by **E-TON**



Just go there!

Beamer Matrix II

Metallic Red
Metallic Blue
Sun Drop Yellow
Midnight Black

Introducing the 2007 E-TON Beamer Matrix II Scooter. This Beamer is powered by a 50cc 2 cycle oil injected engine that gives you great performance and an economical transportation alternative. With estimated mileage of 75mpg, the Beamer is easy on the fuel bill.

The 2007 model is EPA approved and meets or exceed all other Federal DOT regulations.

The Matrix II is fully decked out with our performance-enhancing EPA approve exhaust system, matching luggage box, powder coat wheels, and race spec front suspension system.

The sporty look of the Matrix II gives you a stylish economical ride.

Engine		
Type	Two cycle air cooled oil injected	
Displacement	49.3cc	
Bore / Stroke	40.0 * 39.2mm	
Compression - Ratio / Pressure	6.8 : 1 / 90-120psi	
Torque / BHP	5.2N m @ 7000rpm / 1.5BHP	
Estimated MPG	65mpg/75mpg	
Starting	Electrical with Kick starter back up	
Transmission		
Type	Automatic (C.V.T. V-Belt)	
Chassis		
Overall Length	1830mm / 72.0"	
Overall Width	650mm / 25.6"	
Overall High	1100mm / 43.3"	
Wheel Base	1260mm / 49.6"	
Dry Weight	82kg / 180.7lb	
Suspension		
Front	Telescopic Fork	
Rear	Unit Swing Arm / Single Shock	
Brakes		
Front	Hydraulic Disc	
Rear	Mechanical Drum	
Tires		
Front	120/90-10	
Rear	130/90-10	
Tire Pressure	Front	Front 18psi / 1.25kg/cm2 (Cold)
	Rear	Rear 25psi / 1.75kg/cm2 (Cold)
Carburetor		
Make/Size	Mikuni 18mm (Manual Choke, Strong Way, Sun World)	
Main Jet	#80	
Pilot Jet	#17.5	
Air Mixture Adjustment	Back out ¾ - 1¼ turns	
Idle Speed	Idle 1700 - 1900rpm	
Battery		
Jell Acid (Maintenance Free)	12V-4AH/5AH - GTX5L-BS	
Main Fuse		7Amp
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	5.5 liters / 1.5gal
2 Cycle Oil	Type	High grade synthetic 2 cycle injector oil
	Volume	1.1 liters / 1.2qts
Transmission	Type	SAE 80/90 weight
	Volume	100cc / 3.4oz
Spark Plug		
NGK (recommended)	BPR7HS	
Nipendenso	W22FRP-U	
Champion	QL82YC	
Electrode Gap		0.6-0.7mm / 0.023"
GVWR		
GAWR (Front)		240kg. / 530lbs.
GAWR (Rear)		76kg. / 167lbs.
		165kg. / 164lbs.

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