

JAPANESE CUSTOM MOTORCYCLES

SPECIFICATION

- Stock frame, VT1300cc engine, and tank
- 3-way fully adjustable sport suspension
- Carbon fibre custom bodywork & special seat
- 535 chain conversion (before shaft drive)
- Single-sided swingarm conversion
- Racing spec callipers & discs
- Carbon fibre 18in rear wheel & 21in front
- Onboard GPS lap timer & data acquisition unit
- Oversized billet top and lower bridge
- Air box/cleaner conversion

Stateline 'Slammer' (Bagger)

Designer Erik Dunshee based the 'Slammer' on a 2010 Stateline. It sports fully adjustable air-ride suspension and Nav Multimedia head unit with 10in subwoofer and 500W power. Dunshee achieved a full front end conversion, including a lean 23in custom wheel, without frame or engine modification.

SPECIFICATION

- Stock frame, swingarm, VT1300cc engine, and tank
- 23in specially-designed front wheel
- Fully 'air-ride adjustable' front & rear suspension, 6in ride height to 2.25in lowered
- Composite coated narrow track front disc with 6-piston calliper
- Nav Multimedia head unit with GPS speed display
- 3-speaker (including a 10in subwoofer) 500W sound system
- Full custom bodywork, including a leather drop seat
- Two-tone Satin Metallic Black & Pearl Black paint
- Custom spec crossover twin-pipe exhaust
- Air-box/cleaner conversion

Custom bikes come in all shapes and sizes; it really depends on the builder's vision and taste. The rest of this chapter explores some of these Honda-based customs, from single-cylinder motorcycles, through twins, fours and sixes, to trikes and quads.

DARIZT DESIGN, INDONESIA

Custom builder Agus Darizt operates Darizt Design from a small home garage in Jogja, a little city in the center of Java, Indonesia.

Agus: "Here in Indonesia we have a limited selection of bikes, resources, and tools, from which I try to create something else, something different.

"Creating custom bikes mainly involves only myself, but my brothers also help with some of the preparation and research. I prefer to build bikes one at a time, so I can be more focused and feel more integrated with the project. All of my previous jobs involved drawing, from book illustrator, painter, statue maker, model maker, interior designer to airbrush artist. Combine this with my obsession for motorcycles, and my head is always full of imagination for building custom bikes.

"I began making custom bikes from scale model kits, because I couldn't afford the real thing.

"My job as an airbrush artist working on custom build Harleys put me on the path to becoming a bike builder, but it wasn't until an old friend of mine got in touch that it really began.

"Three years ago, just as my dream of building bikes had started to fade, my friend convinced me to build a bike for him from scratch.

Stateline 'Slammer.'
(Courtesy Honda)



AFT Customs, US

Asumati

AFT Customs, based in Jackson California, doubles as a metric customiser and modeling agency. All the AFT Custom girls not only model but also work on the motorcycles, hence most of Asumati was completed by the AFT Custom girls. This bike was a competitor in the Freestyle class of the 2011 AMD World Championships of Custom Bike Building. The bike is fully street legal, even though all the components are custom-made.

Jim Giuffra: "This bike was commissioned by the Jackson Rancheria Hotel & Casino. It is a 'Street Tracker' design to handle the mountain roads of the Sierra Nevada mountains. This bike will be on permanent display in the casino."

SPECIFICATION

- Custom Race Tech rear shocks
- Yamaha R1 front forks
- Upswept pipe for ground clearance
- Digital lights, instruments & handlebar switches
- 1 $\frac{3}{8}$ in Super Moto bars (AFT was the first to use these on a custom [Kemosabe])
- AFT engine performance package
- Naked engine (AFT original)
- Removable tail section for passenger
- Hidden radiator
- Super Moto hand controls
- 420lb (wet) weight
- Number plate rotates horizontal to vertical (AFT original)
- Hand engraving

(And overleaf) 'Asumati' is based on a Honda VT750ST, and its name is actually a Miwuk word meaning Grizzly Bear. It features beautiful detailed engraving on the cylinder heads and engine cover. (Courtesy Mike Chase Photography)



Slick Chick

Arno: "Years ago, there was the idea of fabricating a mechanically driven turbo on my CB750. I would use the fresh snail house of an exhaust turbo from a truck and let it spin using the crankshaft. This idea 'ended up in the fridge' until it was time for a new Show bike.

"During construction of the 'Lucky Bastard' [outlined previously] all

kinds of ideas arose for another radical single-cylinder bike. It had to be low and stretched. But what to do with the gap that arises between the engine and the rear wheel? You guessed it, the fridge opened, and there was an Eaton M45 supercharger.

"The name? 'Chick.' The motivation for the build, 'Slick.' If it doesn't blow, it sucks ..."



TECHNICAL DATA

Engine..	... Suzuki LS650 Savage, 1-cyl 652cc, 5-speed. Supercharged by Rno Cycles (Eaton M45)
Carburettor ..	... Dellorto 40mm with K&N filter
Exhaust ..	... Stainless steel by Rno Cycles. Muffler by Laser
Frame ..	... Rno Cycles Hardtail 2010
Front fork. ..	... Suzuki LS650, 70mm shortened, overhauled and modified by Rno Cycles
Front wheel ..	... Suzuki LS650, rim powder coated, hub polished, stainless steel spokes. Dunlop Roadsmart 110/80 19 tyre
Rear wheel ..	... Aprilia RSV Factory, powder coated, Dunlop RoadSmart 190/50 17 tyre
Front brake ..	... Calliper: Tokico. Front disc: MotoMaster outer ring, Rno Cycles inner ring. Hose: Motoacc
Bodywork ..	... Tank by Rno Cycles, headlight by MCS, Mohawk by Rno Cycles
Various .	... Battery box/tank, seat, controls & sidemount by Rno Cycles
Handlebar. ..	... Protaper. Magura front controls
Awards. ..	... Best of Show, Rogues MC Choppershow

JAPANESE CUSTOM MOTORCYCLES



The 650 Drag Star became a worthy successor to the XV535.



1100 Drag Star, with its 65in³, SOHC, air-cooled, 75° V-twin, is a powerful bike.



A double-down-tube steel frame gives the 2012 Yamaha V-Star 950 the longest wheelbase in its class.

The Virago 535 was replaced by the XVS650 Drag Star in 1997, followed in 1999 by the release of the XVS1100 Drag Star sibling.

Yamaha's 2014 Star Bolt R performance bobber is a rather attractive offering.



TECHNICAL DATA – BOLT

Model	XVS95CEB/C; XVS95CEW/C
Engine	58cu ³ (942cc) air-cooled four-stroke, V-twin, SOHC, 4-valve
Bore x stroke	85.0 x 83.0mm
Compression ratio	9.0:1
Fuel delivery	Fuel-injected
Ignition	TCI (Transistor Controlled Ignition)
Transmission	5-speed multi plate wet clutch
Final drive	Belt
Suspension, front	Telescopic fork, 4.7in travel
Suspension, rear	Dual shocks, 2.8in travel
Brakes	Wave type discs, 298mm
Front tyre	100/90-19M/C 57H tube type
Rear tyre	150/80-16M/C 71H tube type
L x W x H	90.2 x 37.2 x 44.1in
Seat height	27.2in
Wheelbase	61.8in
Ground clearance	5.1in
Fuel capacity	3.2 gal
Est Fuel economy	50.9mpg
Wet weight	540lb
Colour	Raven; Pearl White

LAZARETH AUTO-MOTO, FRANCE

Ludovic's factory near the Swiss border produces unique car/bike hybrids, such as Wazuma. The R1-engined bespoke quad is one of the most advanced vehicles ever designed by Lazareth; a whole new concept based on an atypical 'W-wheeled geometry.'

To achieve a vehicle with maximum performance, matchless driving sensations and enhanced safety, Lazareth had to combine the best technologies from the automotive industry, and to think even beyond.

All Wazumas are numbered, manufactured to order, and fully customisable. 'It's not a car. It's not a bike. It's a Wazuma!'

TECHNICAL DATA

Engine	4 inline, 4-stroke, DOHC, 16v, crossplane crankshaft
Capacity	998cc
Bore x stroke	78.0 x 52.2mm (3.1 x 2.1mm)
Power	133.9kW (182ps) @ 12500rpm
Torque	Approx 115.5Nm (11.8Kg-m) @ 10000rpm
Frame	Lazareth design
Wheelbase	1500 ±35mm (59.1 ±1.38in)
Transmission	6-speed
Suspension	Adjustable
Tyres	
Front	195-40R17
Rear	245-40ZR17
Brakes	
Front	Double disc ø310mm (12.2in)
Rear	Single disc ø220mm (8.7in)
Dimensions (L x W x H) ..	2150mm x 1500mm x 1050mm
Dry weight	403kg
Top speed	250km/h (yet to be verified)
0-100Km/h	4.1 seconds
400m standing start	11.9 seconds



Wazuma Zen version.



Overhead and
rear view of the
Wazuma.

