



## Press Information 2001



**VTX**



# VTX

## *Introduction*

### **Colours**

- Pearl Canyon Red
- Black





# VTX

## Styling

- Show-stopping street rod styling with distinctive hooded headlight, triple-clamp-mounted speedometer, beautiful cast aluminium wheels and a dragster-style seat.

- Dragster-style seat boasts a low, 693mm seat height for 'both feet on the ground' confidence during low-speed manoeuvres.

- Minimalist-design front and rear steel fenders complement the VTX's street rod styling.

- Large, handsomely finished 17-litre gas tank with aviation-style fuel cap offers extended cruising range.

- Tank-mounted chrome nacelle houses the fuel cap, tripmeter/-odometer reset and indicator/-warning lights.

- Extensive chrome finish on engine parts includes cylinder head covers, valve inspection covers, spark plug covers, airbox cover, left crankcase cover, clutch cover and left rear engine cover.

- Crankcases and cylinders feature silver finish with milled fin edges complete the custom street-rod look.

- Distinctive, chrome hooded-headlight housing features powerful 55W/60W halogen bulb for superb lighting in all conditions.

- Semi-swept handlebar design provides a comfortable, upright riding position.

- Comfortably padded large-diameter handgrips with polished aluminium handlebar switch-housings and triple-clamp assembly.



VTX - 20013 - E



# VTX

## Engine

- All-new engine is a 1,795cc liquid-cooled 52-degree V-twin that dwarfs other production V-twin engines and hammers out immense 78.9kW of power at 5,000rpm and 163Nm of torque at 3,000rpm.

- New V-twin engine features giant 101mm cylinder bores and the largest connecting rods and cylinders Honda has ever made.

- The 15.5kg forged steel crankshaft uses bolted counterweights, reducing crankcase width nearly 50mm and reducing crankshaft weight 3.3kg compared to conventional one-piece designs.

- Offset dual-pin crankshaft design provides perfect primary balance; two primary shaft-mounted balance weights minimise secondary cou-

pling or crank shaft offset vibration for a high-performance engine design. The result: muscular power across a broad engine rpm range for unequalled acceleration and roll-on performance.

- Three-valve cylinder head produces optimum flow and utilises two slim, hot-sparking iridium spark plugs per cylinder for efficient combustion at all engine speeds.

- 4.5-liter aircleaner supplies large volume of cool, clean air to the engine.

- Advanced, high-pressure Programmed Fuel Injection (PGM-FI) and electronic digital ignition maximise power output and offer immediate throttle response in any gear.

- Two 42mm-diameter throttle bodies deliver air to two specially-designed high-pressure fuel injectors. Fuel is delivered through twelve nozzle tips per injector, producing a finely atomised, highly combustible fuel mixture for optimum efficiency and power.

- Electronic CPU provides individual, digital 3-D fuel injection and ignition maps for each cylinder, creating ideal fuel mixture and spark advance settings for superb driveability.





# VTX

## Engine

- CPU-controlled, HECS3 emission control system utilises air injection system and three-way exhaust catalyser to simultaneously reduce emissions of hydrocarbons (HC), carbon monoxide (CO), and nitrous oxides (NO<sub>x</sub>).
- Two iridium spark plugs per cylinder ensure efficient combustion at all engine speeds.
- New engine's unique dry-sump oiling system utilises a closed-crankcase design that positions the oil tank inside the gearbox case. The result is a freer-revving engine for improved power, and a lower engine height, allowing optimum rider ergonomics and a low 693mm seat height.
- Radiator with cooling fan maintains consistent engine temperature for optimum performance and long engine life.
- Maintenance-free automatic camchain tensioners.
- Reliable push-button electric-starter system.
- Handsome chromed two-into-one exhaust system produces a deep, exhaust note.
- Primary drive gear uses a cam-type damper to minimise powertrain lash.
- Sturdy eight-plate clutch with clutch-centre damper and hydraulic actuation assures smooth gear shifting.
- Five-speed transmission with carefully selected gear ratios for relaxed cruising and exciting roll-on performance.
- Shaft final-drive system provides smooth, low-maintenance operation.
- New driven flange design at the final drive gear eliminates final drive noise and wear, and simplifies rear wheel installation.



VTX - 20015 - E



# VTX

## Chassis

- Massive tubular steel frame contains the engine's prodigious power and gives the VTX a long, low muscular stance.
- Engine mounting system uses carefully matched engine hangers and rubber engine mounts to eliminate unwanted vibration while preserving the powerful character of the engine's V-twin design.
- Large, high-performance 45mm-inverted front fork provides 130mm of plush yet responsive wheel travel.
- Dual chrome-plated rear dampers offer 100mm of wheel travel and feature an advanced internal valve system for a comfortable ride.
- Honda's Combined Brake System (CBS) features two three-piston front calipers and a single two-piston rear calliper. The front brake lever activates the outer two pistons of the two front callipers. The rear Combined brake pedal operates the two pistons of the rear brake calliper and the centre pistons of the front brake callipers. When only the rear brake pedal is used, an inline delay valve smoothes application of the front calliper pistons.
- Beautiful, satin-finish cast aluminium wheels.
- Wide and low 130/70R-18 radial front tire enhances street-rod styling and delivers superb handling.
- Aggressive 180/70R-16 radial rear tire puts the engine's awesome power to the ground and provides exceptional traction.



VTX - 20016 - E



# VTX

## Equipment

- Large-face thin-body speedometer with easy-to-read characters distinctively mounted over handlebar clamps.
- Reliable, 300W alternator.
- Durable, maintenance-free 20AH battery.
- Maintenance-free, hydraulic clutch.
- Handlebar switches and controls use internationally approved ISO graphic symbols.
- Convenient push-to-cancel turn signal switch.

### Optional Equipment

- Windscreen
- Chrome accessories include: Chrome Backrest with Pad, Chrome Rear Carrier, Chrome Backrest/Rear Carrier Mounting Brackets, Chrome Backrest Trim, Chrome Rear Fender Panel.
- Soft goods include: Motorcycle Cover.
- Additional accessories include: Hard-Shell Leather Saddlebags, Saddlebag Mounting Brackets, Headlight Cowl, Radiator Chin Cowl.

(Additional accessories will be offered. Accessory availability and specifications subject to change without notice.)





# VTX

## Specifications

### Specifications

### VTX1800 (ED-type) (95/1/EC-values)

Engine	Liquid-cooled 4-stroke 6-valve SOHC V-twin
Bore × Stroke	101 × 112mm
Displacement	1,795cm <sup>3</sup>
Compression Ratio	9 : 1
Carburation	Electronic fuel injection with automatic choke
Max. Power Output	78.9kW/5,000min <sup>-1</sup>
Max. Torque	163Nm/3,000min <sup>-1</sup>
Ignition	Digital transistorised with electronic advance; two spark plugs per cylinder
Starter	Electric
Transmission	5-speed
Final Drive	Enclosed shaft
Dimensions (L×W×H)	2,456 × 932 × 1,128mm
Wheelbase	1,715mm
Seat Height	693mm
Ground Clearance	130mm
Fuel Capacity	17 litres (including 3.5-litre warning light reserve)
Wheels	Front/Rear Cast aluminium
Tyres	Front 130/70R18 (Radial) Rear 180/70R16 (Radial)
Suspension	Front 45mm inverted cartridge-type telescopic fork, 130mm axle travel Rear Dual conventional dampers with 5-step spring preload adjustment, 100mm axle travel
Brakes	Front 296mm dual hydraulic disc with Combined three-piston callipers and sintered metal pads Rear 316mm hydraulic disc with Combined three-piston calliper and sintered metal pads
Dry Weight	320kg

All specifications are provisional and subject to change without notice.

All the pictures shown feature the A-type model.