

450 NIGHTHAWK™

1983



# THERE'S NOTHING BASIC ABOUT IT.

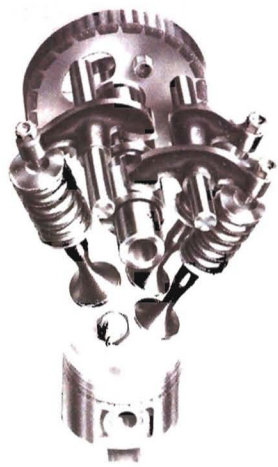
A motorcycle is more than just basic transportation. In the case of the 1983 Nighthawk™ 450, much more.

Sophisticated and daring in its approach to styling, the Nighthawk 450 takes on bikes outside of its class. Its clean, integrated flow-through lines, 57.1 inch wheelbase and agile steering geometry give it a presence and feel normally associated with a larger motorcycle.

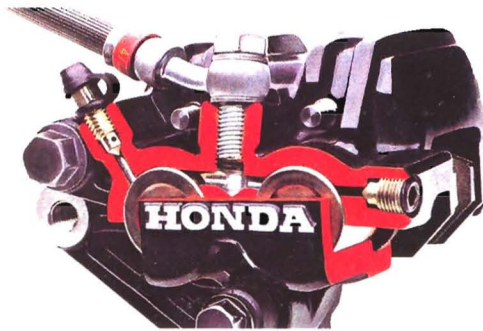
But individual styling isn't the only thing that sets the Nighthawk apart from other motorcycles. Few street motorcycles achieve as fine a balance between power and size as the Nighthawk, a balance proven and engineered by Honda technology.

The Nighthawk's power comes from a SOHC, 447 cc, vertical twin. This engine, smoothed by chain-driven, dual counter-balancers, features Honda's offset, three-valve, Pentroof® combustion chamber:

Two smaller valves increase the overall effective area of the intake ports. While a single, large exhaust valve, offset so that the spark plug is centered in the combustion chamber, scavenges the exhaust gases. This three-valve arrangement produces very efficient breathing. The central location of the spark plug promotes even



*Offset three-valve Pentroof combustion chambers produce excellent power characteristics.*



*Honda's exclusive twin piston caliper is lightweight and efficient.*

flame propagation, while the Pentroof combustion chamber eliminates pockets that can cause uneven burning of the air-fuel mixture. Working together, these important design elements create cleaner and more efficient burning of the air-fuel mixture. And that means more power: Two 30 mm constant velocity carburetors let engine demand set the correct air/fuel mixture and provide crisp throttle response. A Tri-Pulser® solid state CD ignition delivers the spark this high-performance twin requires. And the Power Chamber® exhaust system, located beneath the engine to improve mass centralization, increases mid-range power:

A five-speed plus overdrive sixth transmission translates the engine's power into good acceleration. Overdrive allows the Nighthawk to cruise easily with the engine turning lower revs for fuel efficiency. A durable #530 sealed O-ring drive chain delivers that power to the rear wheel efficiently.

The Nighthawk 450's suspension allows you to soar over back roads or move with ease across town. It has air-adjustable front forks with dual Syntallic® bushings. The front forks also have an air equalizer tube with one valve, making exact fork pressures easy to set. The rear suspension is equally responsive because of Variable Hydraulic Damping® shocks that have five spring preload settings.



# NIGHTHAWK 450

Honda's exclusive twin piston caliper disc brake up front complements a drum brake in the rear. And cast alloy wheels with tubeless tires are the finishing touches that assure you of good handling and a finely detailed appearance.

If you want more than basic transportation, it should be obvious that there's no other choice.

Nighthawk.



## FEATURES:

- Proven, high-performance, 447 cc engine features three-valve Pentroof combustion chambers.
- Five-speed plus overdrive sixth transmission.
- Tri-Pulser solid state CD ignition eliminates points and maintenance.
- Integrated oil cooler helps control engine temperature.
- Sealed O-ring drive chain is durable and efficient.
- Cast alloy wheels.
- Air-equalizer tube on the front forks.



### 1983 SPECIFICATIONS: NIGHTHAWK 450 (CB450SC)

ENGINE	447 cc, SOHC, four-stroke, vertical twin	SEAT HEIGHT	30.9 inches
BORE AND STROKE	75 mm x 50.6 mm	FUEL CAPACITY	3.2 gallons, including 0.5 gallon reserve
COMPRESSION RATIO	9.3:1	WHEELS	Cast alloy
CARBURETORS	Two 30 mm constant velocity	TIRES	Front: 3.25S-19 tubeless Rear: 130/90-16 tubeless
IGNITION	Solid state CD	SUSPENSION	Front: Low-stiction, air-adjustable forks, 5.5 inch travel Rear: Variable Hydraulic Damping shocks
STARTER	Electric pushbutton	BRAKES	Front: Disc Rear: Drum
TRANSMISSION	Five-speed plus overdrive sixth	DRY WEIGHT	392.5 pounds
DRIVELINE	#530 sealed O-ring chain	COLORS	Black, Candy Wineberry Red
WHEELBASE	57.1 inches		

OPTIONAL HONDALINE\* EQUIPMENT Engine guard, color-matched saddlebags, adjustable backrest, body cover, handlebar-mounted quartz clock and luggage rack

ALWAYS WEAR A HELMET AND EYE PROTECTION. Specifications and availability subject to change without notice.  
©1982 American Honda Motor Co., Inc. Printed in U.S.A. AO418

\*Pentroof™, Power Chamber™, Syntallic™, Tri-Pulser™ and Variable Hydraulic Damping™ are Honda trademarks  
Rear view mirrors are standard equipment

HONDA YAMAHA OF MELBOURNE  
1447 S. Harbor City Blvd.  
Melbourne, Florida 32901

**HONDA**  
FOLLOW THE LEADER