31MG1000
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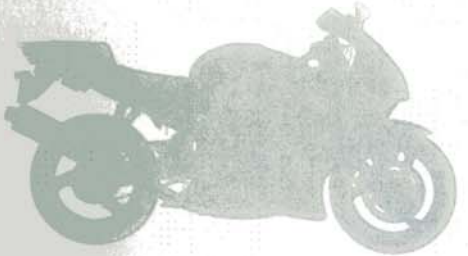
HONDA

1983

Owner's Manual



CB1000

HONDA CB1000 CUSTOM
OWNER'S MANUAL

1983

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31MG1000

WELCOME,

Your new motorcycle presents you with an invitation to adventure and a challenge to master the machine. Your safety depends not only on your own alertness and familiarity with the motorcycle, but also the motorcycle's mechanical condition. A pre-ride inspection before every outing and regular maintenance are essential.

To help meet the challenges safely and enjoy the adventure fully, become thoroughly familiar with this Owner's Manual BEFORE YOU RIDE THE MOTORCYCLE. Also, for your own and your Honda's sake, please read all the written material which came with your new Honda. These items include:

* Honda Owner's Identification Card
* Set-up and Predelivery Checklist
* Honda Motorcycle Emission Control System, Distributor's Warranty
* Honda Motorcycle, Distributor's Limited Warranty

When service is required, remember that your Honda dealer knows what it takes to keep your Honda going strong. If you have the required mechanical "know-how" and tools, your dealer can supply you with an official Honda Shop Manual to help you perform many maintenance and repair tasks.

Pleasant riding and thank you for choosing a Honda!

CONTENTS

MOTORCYCLE SAFETY

WARNING

* ***Motorcycle riding requires special efforts on your part to ensure your safety. Know these requirements before you ride.***

SAFE RIDING RULES

1. Always make a pre-ride inspection (page 33) before you start the engine. You may prevent an accident or equipment damage.
2. Many accidents involve inexperienced riders. Most states require a special motorcycle riding test or license. Make sure you are qualified before you ride. NEVER lend your motorcycle to an inexperienced rider.
3. Many automobile/motorcycle accidents happen because the automobile driver does not "see" the motorcyclist. Make yourself conspicuous to help avoid the accident that wasn't your fault:
   - Wear bright or reflective clothing.
   - Don't ride in another motorist's "blind spot."
4. Obey all federal, state and local laws and regulations.
   - Excessive speed is a factor in many accidents. Obey the speed limits, and NEVER travel faster than conditions warrant.
   - Signal before you make a turn or lane change. Your size and maneuverability can surprise other motorists.
5. Don't let other motorists surprise you. Use extra caution at intersections, parking lot entrances and exits, and driveways.
6. Keep both hands on the handlebars and both feet on the footpegs while riding. A passenger should hold on to the motorcycle or the operator with both hands and keep both feet on the passenger footpegs.

PROTECTIVE APPAREL

1. Most motorcycle accident fatalities are due to head injuries: ALWAYS wear a helmet. You should also wear a face shield or goggles as well as boots, gloves, and protective clothing. A passenger needs the same protection.
2. The exhaust system becomes very hot during operation, and it remains hot after operation. Never touch any part of the hot exhaust system. Wear clothing that fully covers your legs.
3. Do not wear loose clothing which could catch on the control levers, footpegs or wheels.

MODIFICATIONS

WARNING

* ***Modification of the motorcycle, or removal of original equipment may render the vehicle unsafe or illegal. Obey all federal, state and local equipment regulations.***

LOADING AND ACCESSORIES

WARNING

* ***To prevent an accident, use extreme care when adding and riding with accessories and cargo. Addition of accessories and cargo can reduce a motorcycle's stability, performance, and safe operating speed. Never ride an accessory-equipped motorcycle at speeds above 80 mph. And remember that this 80 mph limit may be reduced by installation of non-Honda accessories, improper loading, worn tires and overall motorcycle condition, poor road or weather conditions, etc. These general guidelines may help you decide whether or how to equip your motorcycle, and how to load it safely.***

Loading

The combined weight of the rider, passenger, cargo and all accessories must not exceed 475 lbs, the vehicle capacity load. Cargo weight alone should not exceed 60 lbs.

1. Keep cargo and accessory weight low and close to the center of the motorcycle. Load weight equally on both sides to minimize imbalance. As weight is located farther from the motorcycle's center of gravity, handling is proportionally affected.
2. Adjust tire pressure (TIRES, pages 5–7), front fork air pressure and rear shock absorber air pressure (SUSPENSION, pages 8–10) to suit load weight and riding conditions.
3. Luggage racks are for lightweight items. Do not carry more than 30 lbs. of cargo on a luggage rack behind the seat. Bulky items too far behind the rider may cause wind turbulence that impairs handling.
4. All cargo and accessories must be secure for stable handling. Recheck cargo security and accessory mounts frequently.
5. Do not attach large, heavy items to the handlebars, front forks, or fender. Unstable handling or slow steering response may result.

Accessories

Genuine Honda accessories have been specifically designed for and tested on this motorcycle. Because the factory cannot test all other accessories, you are personally responsible for proper selection, installation, and use of non-Honda accessories. Always follow the guidelines under Loading, and these:

1. Carefully inspect the accessory to make sure it does not obscure any lights, reduce ground clearance and banking angle, or limit suspension travel, steering travel or control operation.
2. Large fork-mounted fairings or windshields, or poorly designed or improperly mounted fairings can produce aerodynamic forces that cause unstable handling. Do not install fairings that decrease cooling air flow to the engine.
3. Accessories which alter your riding position by moving hands or feet away from controls may increase reaction time in an emergency.
4. Do not add electrical equipment that will exceed the motorcycle's electrical system capacity. A blown fuse could cause a dangerous loss of lights or engine power at night or in traffic.
5. This motorcycle was not designed to pull a sidecar or trailer. Handling may be seriously impaired if so equipped.

TUBELESS TIRES

This motorcycle is equipped with tubeless tires, valves and wheel rims. Use only tires marked "TUBELESS" and tubeless valves on rims marked "TUBELESS TIRE APPLICABLE."

Proper air pressure will provide maximum stability, riding comfort and tire life.

Check tire pressure frequently and adjust if necessary.

NOTE:

* Check tire pressure when the tires are "cold," before you ride.
* Tubeless tires have some degree of self-sealing ability if they are punctured, and leakage is often very slow. Inspect very closely for punctures, especially if the tire is not fully inflated.

Dry weight	kg (lbs)	265 (584)
Curb weight (wet)	kg (lbs)	281.5 (621)
Gross vehicle weight rating	kg (lbs)	497 (1095)
Vehicle capacity load	kg (lbs)	215 (475)

		Front	Rear
Tire size		110/90–18 62H M110/90–18	140/90–16 67H M140/90–16
Cold tire pressures psi (kPa, kg/cm²)	Up to 90 kg (200 lbs) load	32 (225, 2.25)	32 (225, 2.25)
	90 kg (200 lbs) load to vehicle capacity load	32 (225, 2.25)	40 (280, 2.8)
Tire brand TUBELESS ONLY DUNLOP		F11	K127C

Check the tires for cuts, imbedded nails or other sharp objects. Check the rims for dents or deformation. If there is any damage, see your authorized Honda dealer for repair, replacement, and balancing.

WARNING

* *Improper tire inflation will cause abnormal tread wear and create a safety hazard. Underinflation may result in the tire slipping on, or coming off of the rim.*
* *Operation with excessively worn tires is hazardous and will adversely affect traction and handling.*

Replace tires before tread depth at the center of the tire reaches the following limit:

Minimum tread depth	
Front:	1.5 mm (1/16 in)
Rear:	2.0 mm (3/32 in)

Tire Repair/Replacement:

See your authorized Honda Dealer.

WARNING

* *The use of tires other than those listed here may adversely affect handling.*
* *Do not install tube-type tires on tubeless rims. The beads may not seat and the tires could slip on the rims, causing tire deflation.*
* *Do not install a tube inside a tubeless tire. Excessive heat build-up may cause the tube to burst resulting in rapid tire deflation.*
* *Proper wheel balance is necessary for safe, stable handling of the motorcycle. Do not remove or change any wheel balance weights. When wheel balancing is required, see your authorized Honda dealer. Wheel balancing is required after tire repair or replacement.*

WARNING

* *Do not exceed 50 mph for the first 24 hours after tire repair, or repaire failure and tire deflation may result. Never use a repaired tire at speeds over 80 mph.*
* *Replace the tire if the sidewall is punctured or damaged. Sidewall flexing may cause repair failure and tire deflation.*

CAUTION:

* *Do not try to remove tubeless tires without special tools and rim protectors. You may damage the rim sealing surface or disfigure the rim.*

SUSPENSION

The front and rear suspension of this motorcycle can provide the desired ride under various rider/cargo weights and riding conditions through adjustment of the air pressure.

The recommended pressures under normal conditions are:

Front 6–14 psi
(40–100 kPa, 0.4–1.0 kg/cm²)

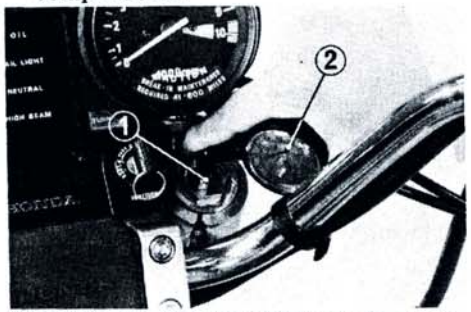
Rear 0–57 psi
(0–400 kPa, 0–4,0 kg/cm²)

Low air pressure settings provide a softer ride and are for light loads and smooth road conditions. High air pressure settings provide a firmer ride and are for heavy loads and rough road conditions.

Front Air Pressure	Rear Air Pressure	Conditions	
		Rider/ Load	Riding Conditions
6 psi (40 kPa, 0.4 kg/cm²)	0 psi (0 kPa, 0 kg/cm²)	One	Ordinary or city road riding
↕	↕	↕	↕
14 psi (100 kPa, 1.0 kg/cm²)	57 psi (400 kPa, 4.0 kg/cm²)	Up to vehicle capacity load	Rough road riding

Check and adjust air pressure when the front fork tubes and rear shock absorbers are cold before riding.

1. Place the motorcycle on its center stand. Do not use the side stand or you will get false pressure readings.
2. Remove the front fork air valve caps and rear shock absorber air valve cap from the air valves (1).
3. Check the air pressure using the pressure gauge (2) supplied in the storage compartment.

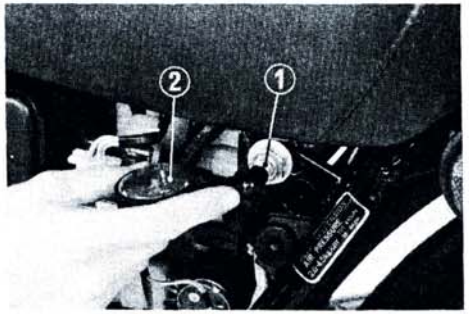


(FRONT) (1) Air valve (2) Air pressure gauge

NOTE:

* Some pressure will be lost when removing the gauge from the valve. Determine the amount of loss and compensate accordingly.

4. Add air to the recommended pressure. Be certain to adjust both front forks to the same air pressure.



(REAR) (1) Air valve (2) Air pressure gauge

CAUTION:

* *Do not exceed 42 psi (300 kPa, 3.0 kg/cm²) or the air pressure gauge may be damaged.*

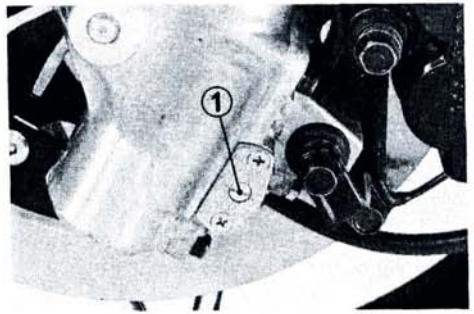
NOTE:

* Do not exceed the recommended air pressure or the ride will be harsh and uncomfortable.

T.R.A.C. Anti-dive Adjuster

The T.R.A.C. system reduces nose-dive during braking and may be adjusted to the rider's choice, independent of load or the rider's weight. The adjuster (1) is located on the side of the left front fork and can be set to any one of four positions.

Position	Anti-dive damper force
1	LIGHT ANTI-DIVE
2	MEDIUM
3	HARD
4	MAXIMUM ANTI-DIVE



(1) Anti-dive adjuster

WARNING

* ***Do not position the adjuster between the numbered detent adjustment points.***