1985 HONDA

ELITE 150

CH150 MANUEL DU CONDUCTEUR

32KN7600
00X32-KN7-6000
カナダ英仏Ⓜ10008501F PRINTED IN JAPAN

CH150 OWNER'S MANUAL

ELITE 150

1985 HONDA

NOTICE IMPORTANTE

- **CONDUCTEUR ET PASSAGER**

  Cette scooter est conçue pour transporter le conducteur et un passager. Ne jamais dépasser la capacité de charge du véhicule indiquée sur l'étiquette de renseignement des pneus.

- **EMPLOI SUR ROUTE**

  Cette scooter est spécifiquement conçue pour un usage sur route.

- **LIRE ATTENTIVEMENT LE MANUEL DU CONDUCTEUR**

  Tenir specialement compte des explications précédéees des titres suivants:

ATTENTION

Signale un risque important d'accident corporel grave, voire mortel s'il n'est pas tenu compte des instructions.

PRECAUTION

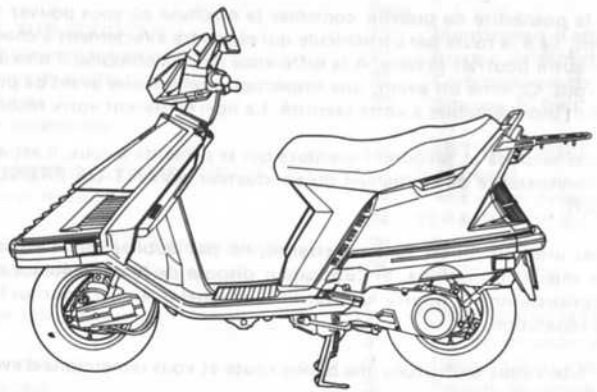
Signale un risque d'accident corporel ou de détérioration du véhicule s'il n'est pas tenu compte des instructions.

NOTE: Fournit des renseignements utiles.

Ce manuel doit etre considéré comme faisant partie intégrante du véhicule et doit l'accompagner à la revente de celui-ci.

HONDA CH150 ELITE 150
MANUEL DU CONDUCTEUR

1985



IMPORTANT NOTICE

- **OPERATOR AND PASSENGER**
  This scooter is designed to carry the operator and one passenger. Never exceed the vehicle capacity load as shown on the tire information label.
- **ON-ROAD USE ONLY**
  This scooter is designed to be used only on the road.
- **READ THIS OWNER'S MANUAL CAREFULLY**
  Pay special attention to statements preceded by the following words:

WARNING

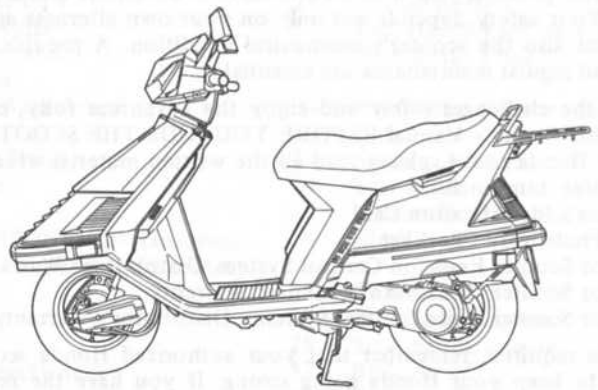
Indicates a strong possibility of severe personal injury or loss of life if instructions are not followed.

Indicates a possibility of personal injury or equipment damage if instructions are not followed.

NOTE: Gives helpful information.

This manual should be considered a permanent part of the scooter and should remain with the scooter when resold.

HONDA CH150 ELITE 150 1985
OWNER'S MANUAL



WELCOME,

Your new scooter presents you with an invitation to adventure and a challenge to master the machine. Your safety depends not only on your own alterness and familiarity with the scooter, but also the scooter'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 SCOOTER. 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 Motor Scooter Emission Control System, Distributor's Warranty
* Honda Motor Scooter, Distributor's Limited Warranty
* Honda Motor Scooter Noise Control Systems, Distributor's Warranty.

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

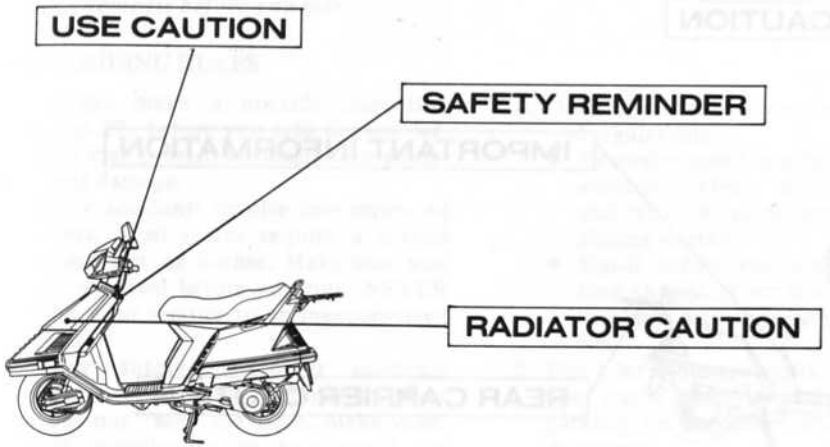
Pleasant riding and thank you for choosing a Honda!

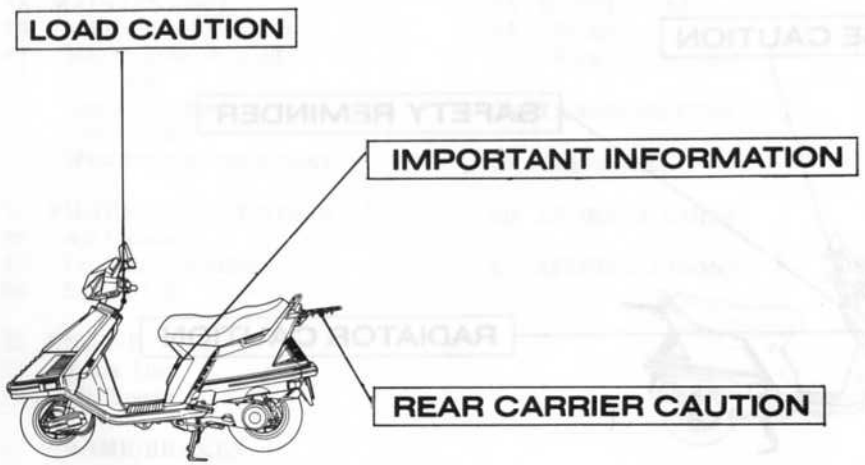
OPERATION

MAINTENANCE

SCOOTER SAFETY

Read these WARNING LABELS before you ride!





WARNING

* ***Scooter 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 27) before you ride the scooter. You may prevent an accident or equipment damage.
2. Many accidents involve inexperienced riders. Most states require a special riding test or license. Make sure you are qualified before you ride. NEVER lend your scooter to an inexperienced rider.
3. Many automobile/scooter accidents happen because the automobile driver does not "see" the rider. 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 floor boards while riding. A passenger should hold onto the scooter or operator with both hands and keep both feet on the passenger footrests.
7. Never leave your scooter unattended with the engine running.
8. Moderate your speed when riding over bumpy roads. Avoid hitting road hazards, such as sharp bumps and holes in the road surface. These hazards can cause loss of control or structural damage to the vehicle.

PROTECTIVE APPAREL

1. Most scooter 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.
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, footrests or wheels.

MODIFICATIONS

WARNING

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

LOADING AND ACCESSORIES

WARNING

* *A scooter is sensitive to changes in weight distribution. Improper loading of cargo and mounting of accessories can impair the scooter's stability and performance. To prevent an accident, use extreme care when mounting accessories and riding with cargo.*

These general guidelines may help you decide whether or how to equip your scooter, and how to load it safety.

The vehicle capacity load is 330 lbs (149 kg).

The combined weight of the rider, passenger, and cargo must not exceed this limit.

1. Do not exceed these following weight limits for the glove box and carrier.

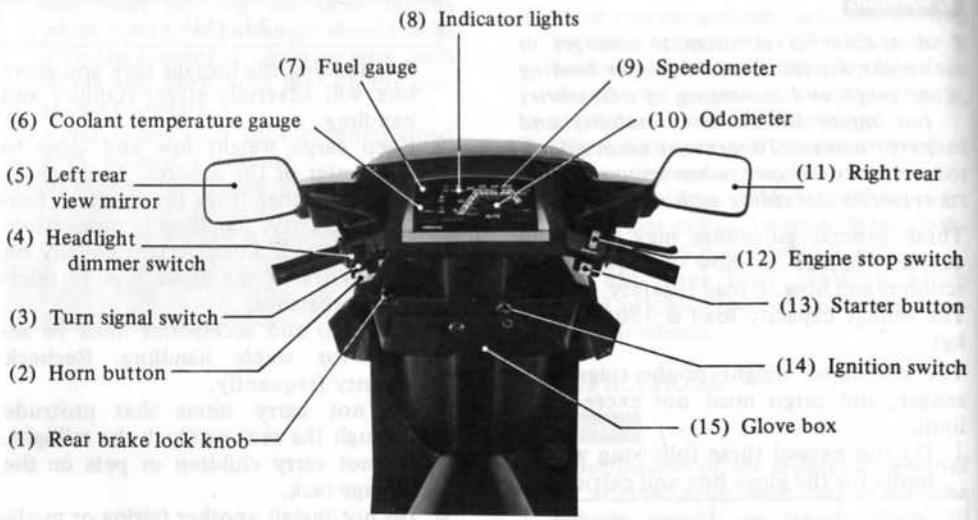
Front (Glove box)	Rear (Carrier)
1 kg (2 lbs)	5 kg (11 lbs)

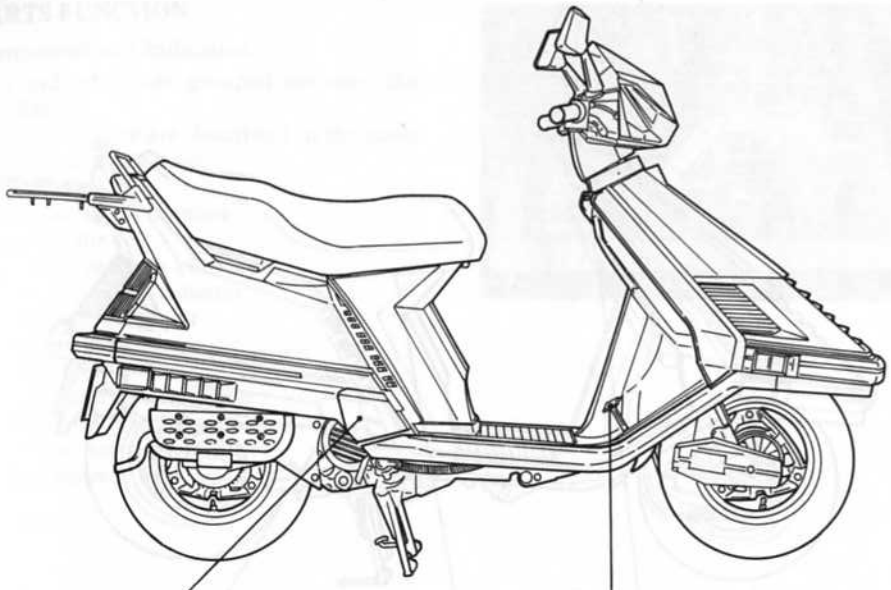
Rear Trunk (optional part)
2 kg (5 lbs)

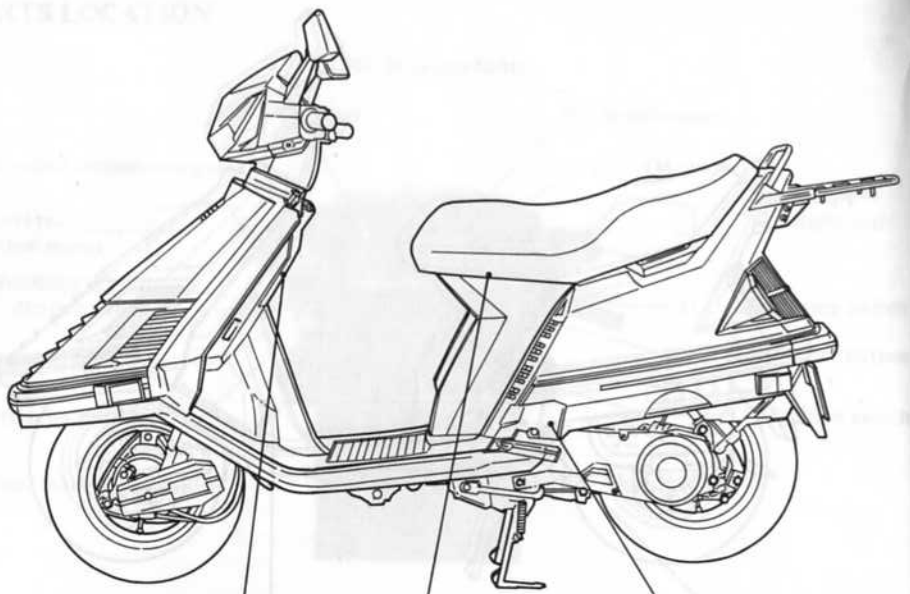
Overloading the luggage rack and glove box will adversely affect stability and handling.

2. Keep cargo weight low and close to the center of the scooter. As weight is located farther from the scooter's center of gravity, handling is proportionally affected. Load weight equally on both sides of the glove box to minimize imbalance.
3. All cargo and accessories must be secure for stable handling. Recheck security frequently.
4. Do not carry items that protrude through the rack or block the taillight.
5. Do not carry children or pets on the luggage rack.
6. Do not install another fairing or modify the existing one.

PARTS LOCATION







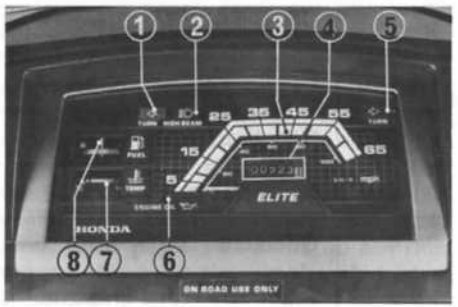
(1) Glove box (2) Helmet holder (3) Passenger footrest

PARTS FUNCTION

Instrument and Indicators

The indicators are grouped between the handlebars.
Their functions are described in the table on the following page.
USA model:
Odometer reads in miles.
Canadian model:
Odometer reads in kilometers.

(1) Left turn signal indicator
(2) High beam indicator
(3) Speedometer
(4) Odometer
(5) Right turn signal indicator
(6) Maintenance indicator
(7) Coolant temperature gauge
(8) Fuel gauge

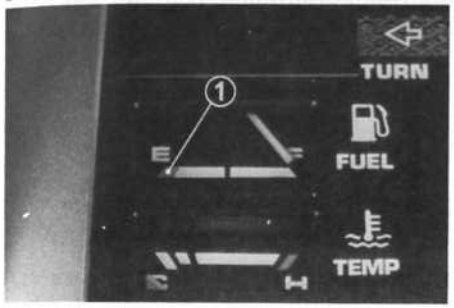


Ref. No.	Description	Function
1	Left turn signal indicator	Flashes when the left turn signal operates.
2	High beam indicator	Lights when the headlight is on high beam.
3	Speedometer	Shows riding speed.
4	Odometer	Shows accumulated mileage.
5	Right turn signal indicator	Flashes when the right turn signal operates.
6	Maintenance indicator	Shows approaching specified maintenance interval for engine oil change (see page 12).
7	Coolant temperature gauge	Shows coolant temperature (see page 11).
8	Fuel gauge	Shows approximate fuel supply available (see page 11).

Fuel Gauge

The fuel gauge shows the approximate fuel supply available. At F (Full) there are 8 liters (2.11 US gal., 1.76 Imp. gal.), including the reserve supply.

When the gauge needle enters the red band (1), fuel will be low and you should refill the tank as soon as possible. The amount of fuel left in the tank when the needle enters the red band is approximately 1.8 liters (0.40 US gal., 0.48 Imp. gal.).



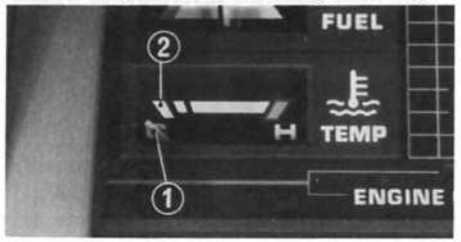
(1) Red band

Coolant Temperature Gauge

When the needle (1) begins to move above the C (Cold) mark (2), the engine is warm enough to operate. The normal operating temperature range is within the zone between the C and H marks. If the needle reaches the H (Hot) mark, stop the engine and check the reserve tank coolant level. Read pages 14-15 and do not ride the scooter until the problem has been corrected.

CAUTION

* *Exceeding maximum running temperature may cause serious engine damage.*



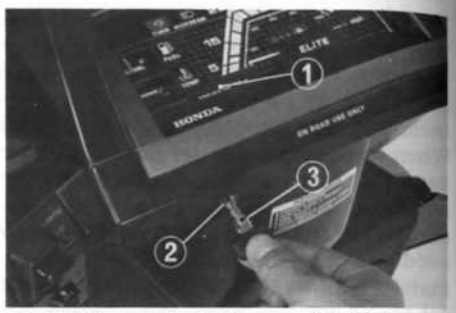
(1) Needle (2) C mark

Maintenance Indicator

When the mileage on your scooter approaches the specified maintenance interval to change oil change, the maintenance indicator (1) will change from green to red. After replacing the engine oil, reset the indicator by inserting the key (3) in the slot (2) below the indicator.

NOTE:

* The indicator changes from green to red after the scooter has been ridden about 1,200 miles. Therefore, after initial oil change (600 mile) has been made, be sure to reset the indicator so the next specified maintenance will be indicated at the proper mileage.



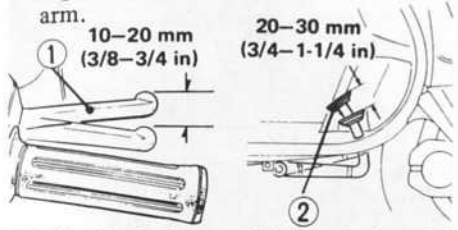
(1) Maintenance indicator (2) Slot
(3) Key

MAJOR COMPONENTS (Information you need to operate this scooter)

BRAKES

Adjustment:

1. Measure the distance the front brake lever (1) and the rear brake pedal (2) move before the brake starts to take hold. Front brake lever free play should be 10–20 mm (3/8–3/4 in) and rear brake pedal free play should be 20–30 mm (3/4–1-1/4 in) at the tips of the brake lever and pedal.
2. Make free play adjustments by turning the adjusting nut (3) at the brake arm.



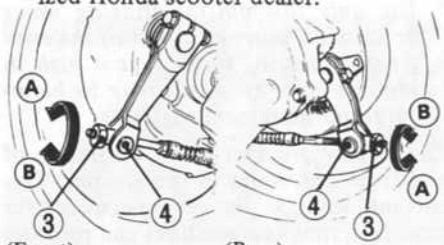
(1) Front brake lever (2) Rear brake pedal

Make sure the cut-out on the adjusting nut is seated on the brake arm pin (4) after making the final free play adjustment.

3. Apply the brake several times and check for free wheel rotation when released.

NOTE:

* If proper adjustment cannot be obtained by this method, see your authorized Honda scooter dealer.



(Front)
(3) Adjusting nut
(4) Arm pin

(Rear)
(A) Increases free play
(B) Decreases free play

COOLANT

Coolant Recommendation

The owner must properly maintain the coolant to prevent freezing, overheating, and corrosion. Use only high quality ethylene glycol antifreeze containing corrosion protection inhibitors specifically recommended for use in aluminum engines. (SEE ANTIFREEZE CONTAINER LABEL).

CAUTION:

* *Use only low-mineral drinking water or distilled water as a part of the antifreeze solution. Water that is high in mineral content or salt may be harmful to the aluminum engine.*

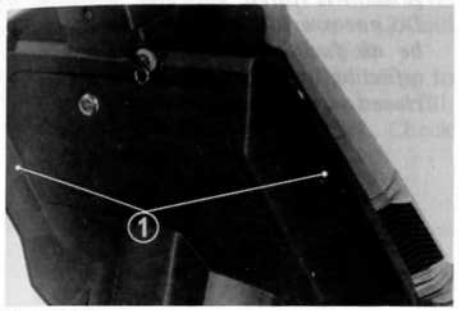
The factory provides a 50/50 solution of antifreeze and water in this scooter. This coolant solution is recommended for most operating temperatures and provides good corrosion protection. A higher concentration of antifreeze decreases the cooling system performance and is recommended only when additional protection against freezing is needed. A concentration of less than 40/60 (40% antifreeze) will not provide proper corrosion protection. During freezing temperatures, check the cooling system frequently and add higher concentrations of antifreeze (up to a maximum of 60% antifreeze) if required.

Inspection

Remove the two screws (1) attaching the front cover.

Raise the front cover and support it with the stay (2).

Check the coolant level in the reserve tank (4) while the engine is at the normal operating temperature. If the coolant level is low, remove the reserve tank cap (3) and add coolant mixture until it reaches the UPPER level mark. Do not remove the radiator cap.

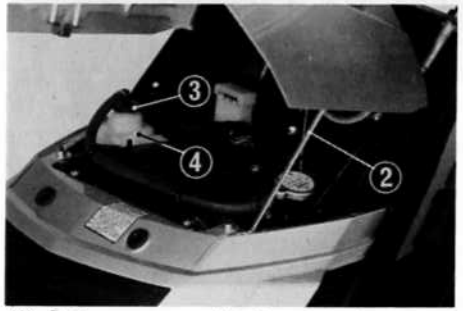


(1) Screws

WARNING

* ***Do not remove the radiator cap when the engine is hot. The coolant is under pressure and severe scalding could result.***
* ***Keep hands and clothing away from the cooling fan, as it starts automatically.***

If the reserve tank is empty, or if coolant loss is excessive, check for leaks and see your authorized Honda scooter dealer for repair.



(2) Stay
(3) Reserve tank cap
(4) Reserve tank

FUEL

Fuel Tank

Fuel tank capacity is 8 ℓ (2.11 US gal, 1.76 Imp gal). Unlock and lift up the seat, then remove the fuel cap (1) by turning it counterclockwise.

Any automotive gasoline with a pump octane number $\left(\frac{R + M}{2}\right)$ of 86 or higher, or a research octane number of 91 or higher may be used. If "knocking" or "pinging" occurs, try a different brand of gasoline or a higher octane grade.

(1) Fuel cap

After refueling, be sure to tighten the tank cap firmly by turning it clockwise.

WARNING

* *Gasoline is extremely flammable and is explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the scooter is refueled or where gasoline is stored.*
  Do not overfill the tank (there should be no fuel in the filler neck). After refueling, make sure the fuel cap is closed securely.

ENGINE OIL LEVEL CHECK

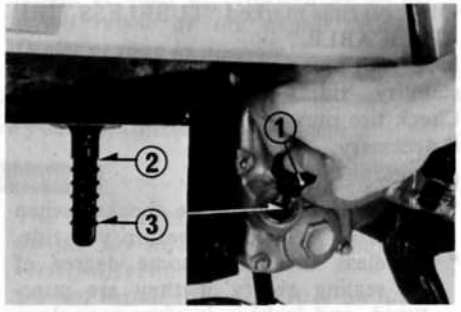
Check the engine oil level each day before riding the scooter.

The level must be maintained between the upper (2) and lower (3) level marks on the dipstick (1).

1. Start the engine and let it idle for a few minutes.
2. Stop the engine and put the scooter on its center stand on level ground.
3. Remove the oil filler cap/dipstick (1), wipe it clean, and reinsert the dipstick without screwing it in. The oil level should be between the upper (2) and lower (3) marks on the dipstick.
4. If required, add the specified oil up to the upper level mark. Do not overfill.
5. Replace the filler cap/dipstick. Check for oil leaks.

CAUTION:

* *Running the engine with insufficient oil can cause serious engine damage.*



(1) Filler cap/dipstick
(2) Upper level mark
(3) Lower level mark

TUBELESS TIRES

This scooter 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:

* Tire pressure should be checked 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.

		Front	Rear
Tire size		3.50-10 -4PR	3.50-10 -4PR
Cold tire pressures psi (kPa, kg/cm²)	Up to 90 kg (200 lbs) load	21 (150 1.50)	28 (200 2.00)
	Up to vehicle capacity load	21 (150 1.50)	36 (250 2.50)
Tire brand TUBELESS ONLY BRIDGESTONE DUNLOP		ML9 F11	ML12 K627
Vehicle capacity load kg (lbs)		149 (330)	

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 scooter 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 (0.06 in)
Rear:	2.0 mm (0.08 in)

Repair:

Puncture of tubeless tires may be fixed externally for emergency. See your authorized Honda Dealer for the correct method before you encounter actual failure on the road.

WARNING

* *Do not run at speed above 60 km/h (40 MPH) after making on external repair. It must be followed by an internal repair at the nearest Honda Dealer as soon as possible.*

Replacement:

See your authorized Honda Dealer.

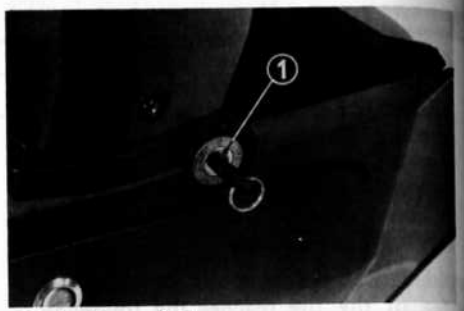
WARNING

* *The use of tires other than those listed on the tire information label 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.*

ESSENTIAL INDIVIDUAL COMPONENTS

IGNITION SWITCH

The ignition switch (1) is on the right side below the steering stem.



(1) Ignition switch

Key Position	Function	Key Removal
LOCK (Steering lock)	The steering is locked. The engine and lights cannot be operated.	Key can be removed.
OFF	Engine and lights cannot be operated.	Key can be removed.
ON	Taillight, headlight and position lamp will be on and other lights can be operated. The engine can be started.	Key cannot be removed.

ENGINE STOP SWITCH

The engine stop switch (1) is next to the throttle grip. When the switch is in the RUN position the engine will operate. When the switch is in the OFF position the engine will not operate.
This switch is intended primarily as a safety or emergency switch and should normally remain in the RUN position.

NOTE:

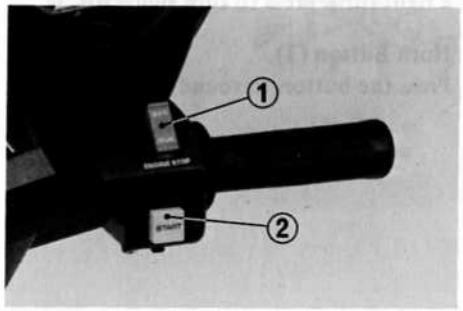
* If your scooter is stopped with the ignition switch ON and the engine stop switch OFF, the taillight, headlight and position lamp will still be on, resulting in battery discharge.

STARTER BUTTON

The starter button (2) is below the engine stop switch (1).
When the starter button is pressed, the starter motor cranks the engine. See page 28 for the starting procedure.

NOTE:

* The electric starter will only work when the brake pedal is operated.



(1) Engine stop switch
(2) Starter button

LEFT HANDLEBAR CONTROLS

The three controls next to the left handlebar grip are:

Headlight Dimmer Switch (1)

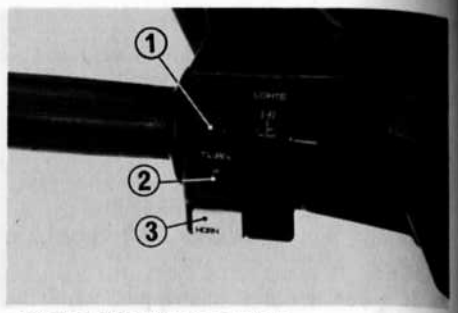
Select HI for high beam, LO for low beam.

Turn Signal Switch (2)

Move to L to signal a left turn, R to signal a right turn. Press to turn signal off.

Horn Button (3)

Press the button to sound the horn.



(1) Headlight dimmer switch
(2) Turn signal switch
(3) Horn button

REAR BRAKE LOCK

Be sure to keep the rear brake lock is applied while starting and warming up the engine.

To apply the brake lock:

1. Depress the rear brake pedal.
2. While holding the rear brake pedal kept down, pull up on the rear brake lock knob (1).

NOTE:

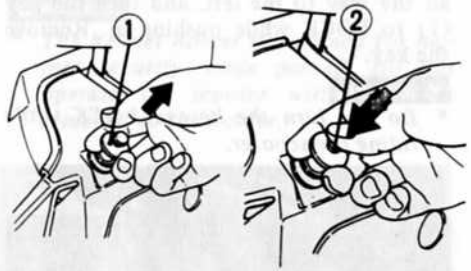
* The rear brake lock will not be applied if the rear brake is not adjusted properly (page 13).

To release the brake lock:

1. Depress and hold the rear brake pedal.
2. Press the release button (2) in the center of the lock knob and lower the knob.

CAUTION:

* *Before riding, make sure that the rear brake is released fully and does not drag.*



(1) Rear brake lock knob
(2) Release button

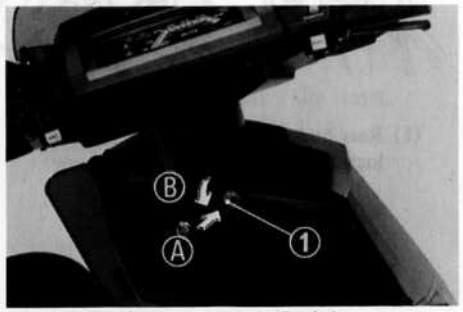
FEATURES (Not required for operation)

STEERING LOCK

To lock the steering, turn the handlebars all the way to the left, and turn the key (1) to LOCK while pushing in. Remove the key.

WARNING

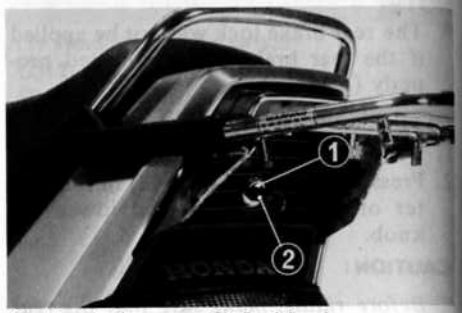
* *Do not turn the key to LOCK while riding the scooter.*



(1) Ignition key (A) Push in (B) Turn to LOCK

SEAT LOCK

The seat lock (1) is at the back of the seat. To lift the seat, insert the ignition key (2) and turn it clockwise to unlock. To lock the seat, lower and push down on it until it locks. Make sure the seat is secure before riding.

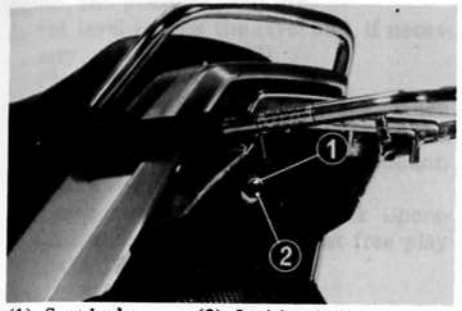


(1) Seat lock (2) Ignition key

HELMET HOLDER

The helmet holder (3) eliminates the need for carrying your helmet after parking your scooter.
This scooter has two helmet holders.

1. Insert the ignition key (2) into the seat lock (1), and turn it clockwise to unlock.
2. Hang your helmet on the hook at the seat hinge.
3. Lower the seat to lock.

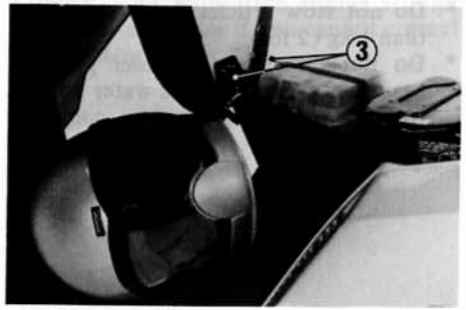


(1) Seat lock (2) Ignition key

To remove a helmet, unlock the seat. Lift the helmet off the holder and lower the seat, making sure it is securely locked before riding.

WARNING

* ***The helmet holder is designed for helmet security while parked. Do not operate the scooter with a helmet attached to the holder.***



(3) Helmet holders

GLOVE BOX

Opening

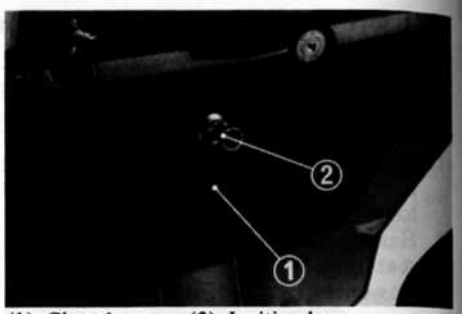
To open the glove box (1), insert the ignition key (2) and turn it clockwise.

Closing

To close the glove box, insert the ignition key, turn it clockwise and close the glove box cover. Turn the key back to lock the glove box. Remove the key, making sure the cover is securely closed.

NOTE:

* Do not stow articles that weigh more than 1 kg (2 lbs).
* Do not direct water under pressure against the glove box as water will be forced into the glove box compartment.



(1) Glove box (2) Ignition key

OPERATION

PRE-RIDE INSPECTION

WARNING

* *If the Pre-ride Inspection is not performed, serious damage or an accident may result.*

Inspect your scooter every day before you ride it. The items listed here will will only take a few minutes to check and, in the long run, can save time, expense, and possibly your life.

1. Oil level–check the level and, if necessary, add oil (page 17).
   Check for leaks.
2. Fuel level–fill the fuel tank when necessary (page 16). Check for leaks.
3. Coolant level–If required, add collant. Check for leaks (page 14).
4. Front and rear brakes–check operation and if necessary, adjust free play (page 13).
5. Tires–check condition and pressure (page 18).
6. Throttle–check for smooth opening and closing in all steering positions.
7. Lights and horn–check that the headlight, tail/stoplight, turn signals, indicators and horn function properly.
8. Engine stop switch–check for proper function (page 21).

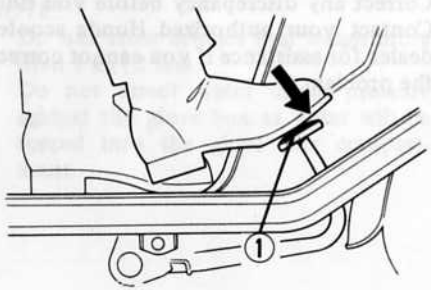
Correct any discrepancy before you ride. Contact your authorized Honda scooter dealer for assistance if you cannot correct the problem.

STARTING THE ENGINE

NOTE:

* This scooter has an automatic fuel valve and choke; there is no manual operation.

1. Place the scooter on its center stand.
2. Lock the rear wheel by depressing the rear brake pedal (1) and pulling the lock knob (2) up all the way.



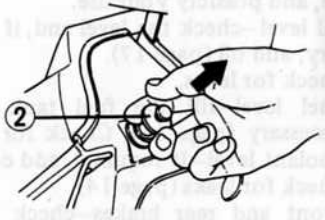
(1) Rear brake pedal

NOTE:

* The electric starter will only work when the brake pedal (1) is operated.

WARNING

* ***The rear wheel will spin if not restrained by the brake or contact with the ground. Accidental contact with a spinning rear wheel could cause personal injury.***

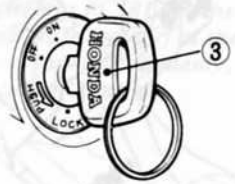


(2) Lock knob

3. Make sure that the engine stop switch is at RUN.
4. Turn the ignition switch (3) to ON.

WARNING

* *Never run the engine in a closed area. The exhaust contains poisonous carbon monoxide gas.*

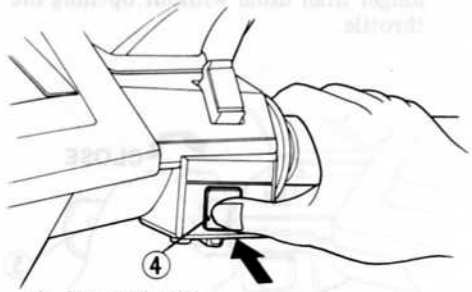


(3) Ignition switch

5. With the throttle closed, push the starter button (4). Release the starter button as soon as the engine starts.

NOTE:

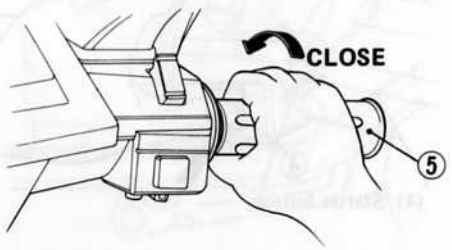
* Do not use the electric starter for more than 5 seconds at a time. Release the starter button for approximately 10 seconds before pressing it again.



(4) Starter button

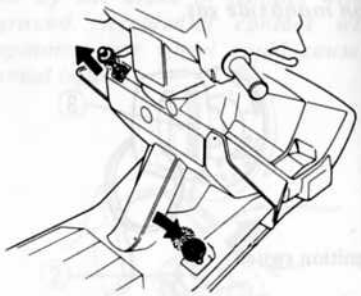
NOTE:

* If the engine fails to start after repeated attempts, turn the engine stop switch OFF, open the throttle slightly and push the starter button for 5 seconds.
* If the scooter has been left standing for a long time, or when the fuel tank has just been refilled, you may have to operate the starter button for slightly longer than usual without opening the throttle.



(5) Throttle

6. Be sure to keep the throttle (5) closed and the rear brake pedal locked while starting and warming up the engine. Allow the engine to warm up before riding (See RIDING).



WARNING

* *The rear wheel will spin if not restrained by the brake or contact with the ground.*
  Accidental contact with the spinning rear wheel could cause personal injury. Do not leave the scooter unattended while the engine is running.
* *Do not attempt to "BLIP" the throttle (open and close rapidly) as the scooter will move forward suddenly, causing possible loss of control.*

BREAK-IN

During the first 600 miles (1,000 km), do not operate the scooter at more than 80% of the maximum speed.
Avoid full throttle operation, and do not operate for a long time at one speed.
During initial break-in, newly machined surfaces will be in contact with each other and these surfaces will wear in quickly. Break-in maintenance at 600 miles (1,000 km) is designed to compensate for this initial minor wear. Timely performance of the break-in maintenance will ensure optimum service life and performance from the engine.

RIDING

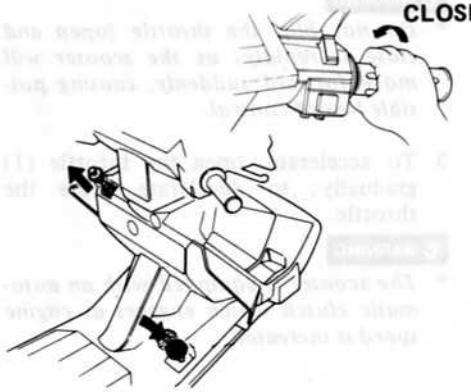
WARNING

* *The exhaust pipe and muffler become very hot during operation and remain sufficiently hot to inflict burns if touched, even after shutting off the engine. Wear clothing which will completely cover the legs while riding and avoid any contact with unshielded portions of the exhaust system.*
* *Do not wear loose clothing which may catch on control levers, footrests, wheels and tires.*
* *Ensure that all required equipment as specified by local laws and regulations are installed on the scooter and operable before riding it on public streets.*
* *Modification of the scooter, or removal of original equipment, may render the vehicle unsafe or illegal.*

1. Make sure the throttle is closed and the rear brake is locked before moving the scooter off the center stand.

WARNING

* *The rear wheel must be locked when moving the scooter off the center stand or loss of control may result.*



2. Once off the center stand, unlock the rear wheel releasing the rear brake lock (page 23).

NOTE:

* Before riding, make sure that the rear brake is released completely and does not drag.

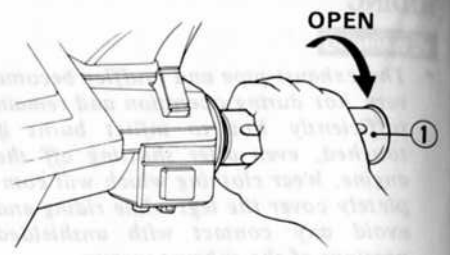
WARNING

* *Do not blip the throttle (open and close it rapidly) as the scooter will move forward suddenly, causing possible loss of control.*

3. To accelerate, open the throttle (1) gradually; to decelerate, close the throttle.

WARNING

* *The scooter is equipped with an automatic clutch which engages as engine speed is increased.*



(1) Throttle

High Altitude Riding

When operating this scooter at high altitude, the air-fuel mixture becomes overly rich. Above 6,500 feet (2,000 m), driveability and performance may be reduced and fuel consumption increased. The carburetor can be modified to compensate for this high altitude richness. However, the carburetor must be returned to standard factory specifications when lower altitude riding is desired. See your authorized Honda scooter dealer for high altitude adjustments.

CAUTION:

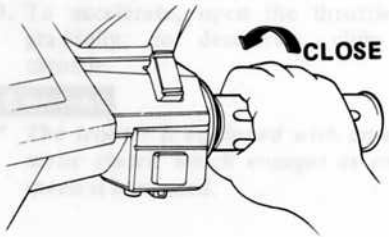
* *Sustained operation at altitudes below 5,000 feet (1,500 m) with high altitude carburetor modifications may cause engine overheating and damage.*

BRAKING

When slowing down the scooter, coordination of the throttle and front and rear brakes are most important.

WARNING

* *Both front and rear brakes should be applied together. Independent use of only the front or rear brake reduces stopping performance.*
Excessive brake application may cause either wheel to lock, reducing control of the scooter.

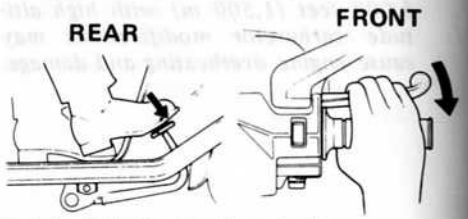


WARNING

* *When riding in wet or rainy conditions or on loose surfaces, the ability to maneuver and stop will be reduced. For your safety, exercise extreme caution when braking, accelerating, or turning.*

CAUTION:

* *When descending a steep grade, close the throttle fully and intermittently apply both brakes to slow the scooter down. Avoid continuous use of the brakes, which may result in overheating and reduction of braking efficiency.*



Apply both the front and rear brakes.

PARKING

1. After stopping the scooter, turn the ignition switch OFF and remove the key.
2. Use the center stand to support the scooter while parked.

CAUTION:

* *Park the scooter on firm, level ground to prevent overturning.*

3. Lock the steering to help prevent theft (page 24).

ANTI-THEFT TIPS

1. Always lock the steering and never leave the key in the ignition switch. This sounds simple but people do forget.
2. Be sure the registration information for your scooter is accurate and current.
3. Park your scooter in a locked garage whenever possible.
4. Use an additional anti-theft device of good quality.
5. Put your name, address, and phone number in this Owner's Manual and keep it on your scooter at all times. Many times stolen scooters are identified by information in the Owner's Manuals which are still with them.

NAME:_____
ADDRESS:_____
_____
_____
PHONE NO:_____

MAINTENANCE

- The U.S. Environmental Protection Agency and California Air Resources Board (CARB) require that your scooter comply with applicable exhaust emissions standards during its useful life, when operated and maintained according to the instructions provided, and that scooters built after January 1, 1983 comply with applicable noise emission standards for one year or 6,000 km (3,730 miles) after the time of sale to the ultimate purchaser, when operated and maintained according to the instructions provided. Compliance with the terms of the Distributor's Warranties for Honda Scooter Emission Control System is necessary in order to keep the emissions system warranty in effect. (USA ONLY)

- When service is required, remember that your authorized Honda scooter dealer knows your scooter best and is fully equipped to maintain and repair it. The scheduled maintenance and the anticipated maintenance may also be performed by a qualified service facility that normally does this kind of work; or you may perform most of the work yourself if you are mechanically qualified and have the proper tools and service data.

- These instructions are based on the assumption that the scooter will be used exclusively for its designed purpose. Sustained high speed operation or operation in unusually wet or dusty conditions will require more frequent service than specified in the MAINTENANCE SCHEDULE. Consult your authorized Honda scooter dealer for recommendations applicable to your individual needs and use.

MAINTENANCE SCHEDULE

Perform the Pre-ride Inspection (Page 27) at each scheduled maintenance period.
I: Inspect and clean, adjust, lubricate or replace if necessary.
C: Clean. R: Replace. A: Adjust. L: Lubricate.

		ITEM	FREQUENCY: WHICHEVER COMES FIRST / EVERY	600 mi (1,000 km)	2,500 mi (4,000 km)	5,000 mi (8,000 km)	7,500 mi (12,000km)	Refer to page
EMISSION RELATED ITEMS	*	FUEL LINES		I	I	I		–
	*	THROTTLE OPERATION		I	I	I		–
		AIR CLEANER	NOTE (1)	Replace every 12,500 mi (20,000 km)				46
		CRANKCASE BREATHER	NOTE (2)	C	C	C		47
		SPARK PLUG		R	R	R		51
	*	VALVE CLEARANCE		A	A	A		–
		ENGINE OIL	YEAR	R	Replace every 1,250 mi (2,000 km)			48
		ENGINE OIL FILTER SCREEN			Clean every 1,250 mi (2,000 km)			48
	*	CARBURETOR-IDLE SPEED		I	I	I		–
		RADIATOR COOLANT			I	Replace every 10,000 mi (16,000 km)		14
	*	RADIATOR CORE			I			–
	*	COOLING SYSTEM HOSE & CONNECTIONS			I			–
	*	EVAPORATIVE EMISSION CONTROL SYSTEM	NOTE (3)			I		–

		ITEM / FREQUENCY	WHICHEVER COMES FIRST ➡ EVERY	600 mi (1,000 km)	2,500 mi (4,000 km)	5,000 mi (8,000 km)	7,500 mi (12,000 km)	Refer to page
NON-EMISSION RELATED ITEMS	*	TRANSMISSION OIL	2 YEARS R*					–
	*	DRIVE BELT				I		–
				Replace every 15,000 mi (24,000 km)				
		BATTERY	MONTH		I	I	I	55
		BRAKE SHOE WEAR			I	I	I	53
		BRAKE SYSTEM		I	I	I	I	13, 53
	*	BRAKE LOCK KNOB		I	I	I	I	–
	*	BRAKE LIGHT SWITCH			I	I	I	–
	*	STARTER LIMIT SWITCH			I	I	I	–
	*	HEADLIGHT AIM			I	I	I	–
	**	CLUTCH SHOE WEAR			I	I	I	–
		SIDE STAND			I	I	I	54
	*	SUSPENSION			I	I	I	–
	*	NUTS, BOLTS, FASTENERS		I	I	I	I	–
	**	WHEELS			I	I	I	–
	**	STEERING HEAD BEARING		I			I	–

* SHOULD BE SERVICED BY AN AUTHORIZED HONDA DEALER, UNLESS THE OWNER HAS PROPER TOOLS AND SERVICE DATA AND IS MECHANICALLY QUALIFIED. REFER TO THE OFFICIAL HONDA SHOP MANUAL.

** IN THE INTEREST OF SAFETY, WE RECOMMEND THESE ITEMS BE SERVICED ONLY BY AN AUTHORIZED HONDA DEALER.

NOTE: (1) Service more frequently when riding in dusty areas.
(2) Service more frequently when riding in rain or at full throttle.
(3) California type only.
(4) For higher odometer reading, repeat at the frequency interval established here.

MAINTENANCE RECORD

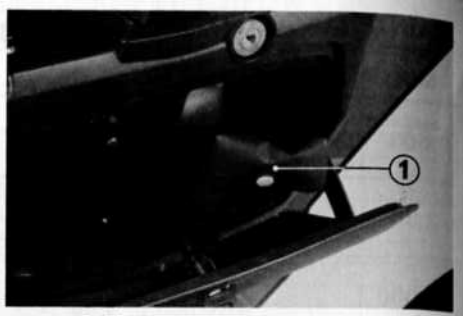
Miles	Performed by	Odometer	Date
600			
2,500			
5,000			
7,500			

- Make sure that whoever performs the maintenance completes this record.
  All scheduled maintenance including the 600 mile (1,000 km) break-in maintenance, is considered a normal owner operating cost and will be charged for by your authorized HONDA SCOOTER DEALER.
- Detailed receipts verifying the performance of required maintenance should be retained. These receipts should be transferred with the scooter to the new owner if the scooter is sold.

TOOL KIT

The tool kit (1) is in the storage compartment in the glove box. Some roadside repairs, minor adjustments and part replacement can be performed with the tools contained in the kit.

- 10 x 14 mm Open end wrench
- No. 1 Screwdriver
- No. 2 Screwdriver
- No. 3 Screwdriver
- No. 5 Screwdriver
- Plug wrench/box wrench
- Pliers
- Tool bag

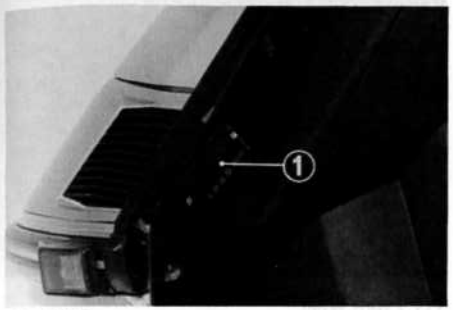


(1) Tool kit

SERIAL NUMBER

The frame and engine serial numbers are required when registering your scooter. They may also be required by your Honda scooter dealer when ordering replacement parts. Record the numbers here for your reference.

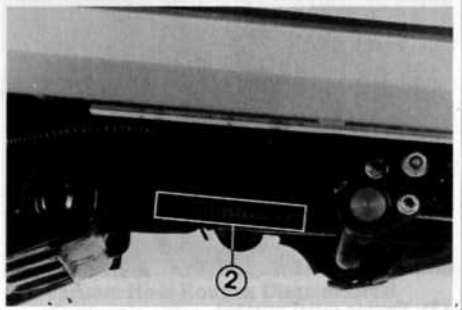
VIN._____



(1) VIN

The VIN, Vehicle Identification Number (1), is on the Safety Certification label, which is attached to left front cover. The frame serial number (2) is stamped on the right side of the frame body.

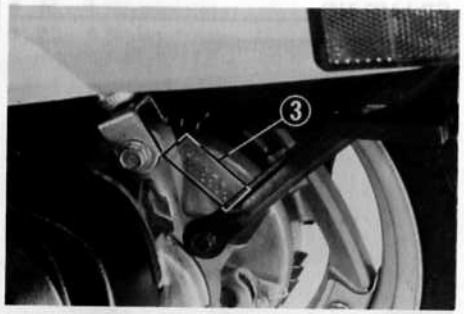
FRAME NO._____



(2) Frame serial number

The engine serial number (3) is stamped on the back of the crankcase near the rear wheel.

ENGINE NO._____



(3) Engine serial number

COLOR LABEL

The color label (1) is attached to the fuel tank below the seat. It is helpful when ordering replacement parts. Record the color and code here for your reference.

COLOR_____

CODE_____

(1) Color label

MAINTENANCE PRECAUTIONS

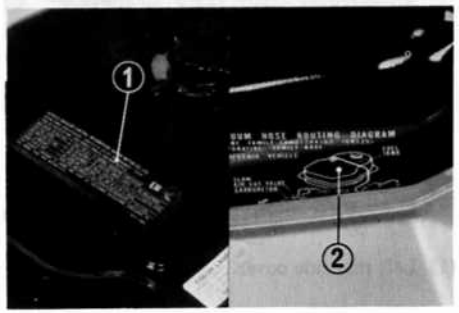
WARNING

- *If your scooter is overturned or involved in a collision, inspect control levers and cables, switches and other vital parts for damage. Do not ride the scooter if damage impairs safe operation. Have your authorized Honda scooter dealer inspect the major components including frame, suspension, and steering parts for misalignment and damage that you may not be able to detect.*
- *Stop the engine and support the scooter securely on a level surface before performing any maintenance.*
- *Use new, genuine Honda scooter parts or their equivalent for maintenance and repair.*

Parts which are not of equivalent quality may impair the safety of your scooter and the effective operation of the emission control systems.

The Vehicle Emission Control Information Label (1) is attached below the seat. (USA ONLY)

The Vacuum Hose Routing Diagram Label (2) is located below the seat. (CALIFORNIA ONLY)

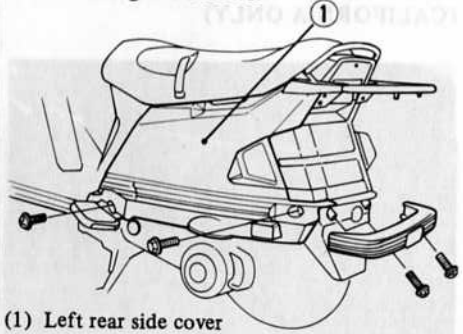


(1) Vehicle Emission Control Information Label
(2) Vacuum Hose Routing Diagram Label (California only)

AIR CLEANER

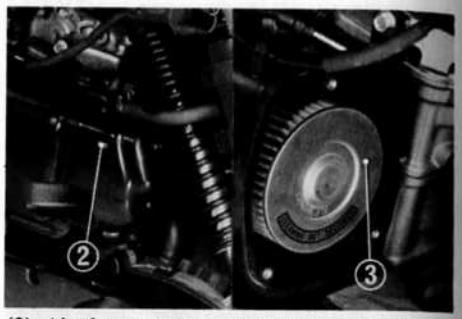
The air cleaner should be serviced at regular intervals (page 39).

1. Remove the rear protector.
2. Remove the left rear side cover (1) by removing the screws.



(1) Left rear side cover

3. Remove the air cleaner cover (2) by removing the screws.
4. Remove the air cleaner element (3) by removing the screw and replace it with a new one.
5. Reinstall the removed parts in the reverse order of removal.



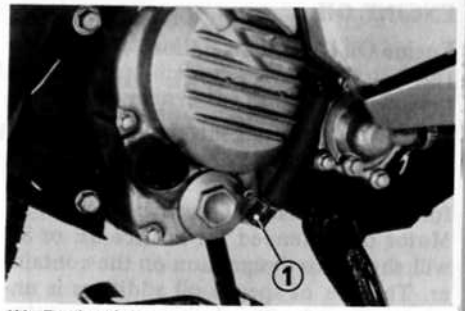
(2) Air cleaner cover (3) Air cleaner element

CRANKCASE BREATHER

1. Remove the drain plug (1) from the drain tube to empty any deposits.
2. Install the drain plug.

NOTE:

* Service more frequently when riding in rain or at full throttle.



(1) Drain plug

ENGINE OIL

Engine Oil Recommendation

USE HONDA 4-STROKE OIL OR AN EQUIVALENT.

Use only high detergent, premium quality motor oil certified to meet or exceed US automobile manufacturers' requirements for Service Classification SE or SF.

Motor oils intended for Service SE or SF will show this designation on the container. The use of special oil additives is unnecessary and will only increase operating expenses.

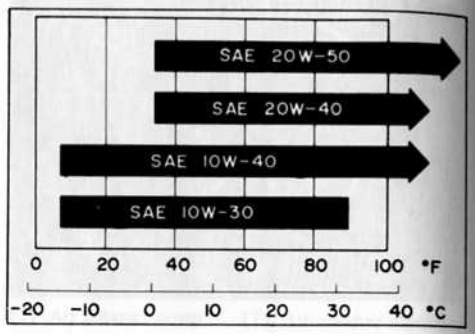
CAUTION:

* *Engine oil is a major factor affecting the performance and service life of the engine. Non-detergent, vegetable, or castor based racing oils, are not recommended.*

Recommended Oil Viscosity

SAE 10W–40

Other viscosities shown in the chart below may be used when the average temperature in your riding area is within the indicated range.

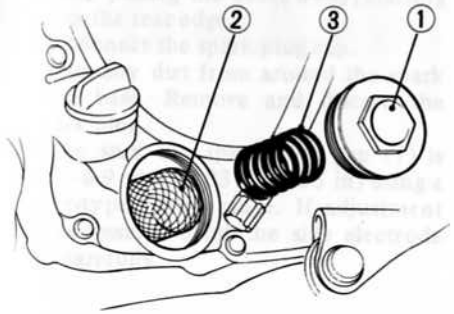


Engine Oil and Filter Screen

Engine oil quality is a chief factor affecting engine service life. Change the engine oil when specified by the maintenance schedule.

NOTE:

* Change the engine oil with the engine warm and the scooter on its center stand to assure complete and rapid draining.



(1) Oil drain plug (2) Oil filter screen (3) Spring

1. Remove the oil filler cap from the right crankcase cover.
2. Place an oil drain pan under the crankcase and remove the oil drain plug (1).

NOTE:

* The oil filter screen (2) and spring (3) will come out when the drain plug is removed.

3. Clean the oil filter screen (2).
4. Check that the oil filter screen, sealing rubber and drain plug O-ring are in good condition.
5. Install the oil filter screen, spring and drain plug.
   Torque: 10–35 N·m
   (1.0–3.5 kg-m, 7–25 ft-lb)
6. Fill the crankcase with approximately 0.8 ℓ (0.84 US qt) of recommended oil (page 48).
7. Start the engine and let it idle a few minutes.

WARNING

* *The rear wheel will spin if not restrained by the brake or contact with the ground. Accidental contact with a spinning rear wheel could cause personal injury.*

8. Stop the engine and check that the oil level is at the upper mark on the dipstick with the scooter on its center stand.
   Check that there are no oil leaks.

SPARK PLUG

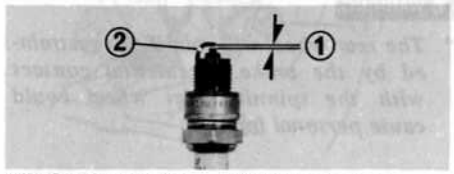
Recommended plugs:

Standard:
DPR7EA-9 (NGK)
or X22EPR-U9 (ND)
For cold climate (Below 5°C, 41°F):
DPR 6EA-9 (NGK)
or X20EPR-U9 (ND)

1. Remove the left side cover by unscrewing the rear bracket screw and gently pulling the cover away, starting from the rear edge.
2. Disconnect the spark plug cap.
3. Clean any dirt from around the spark plug base. Remove and discard the spark plug.
4. Make sure the spark plug gap (1) is 0.8–0.9 mm (0.031–0.035 in) using a wire-type feeler gauge. If adjustment is necessary, bend the side electrode (2) carefully.
5. With the plug washer attached, thread the new spark plug in by hand to prevent cross-threading.
6. Tighten the spark plug 1/2 turn with a spark plug wrench to compress the washer.
7. Connect the plug cap and replace the side cover.

CAUTION:

* *The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.*
* *Never use a spark plug with an improper heat range.*



(1) Spark plug gap (2) Side electrode

IDLE SPEED

The engine must be warm for accurate idle adjustment. Ten minutes of stop-and-go riding is sufficient.

NOTE:

* Do not attempt to compensate for faults in other systems by adjusting idle speed. See your authorized Honda scooter dealer for regularly scheduled carburetor adjustments.

1. Remove the center cover below the seat.
2. Warm up the engine and place the scooter on its center stand. Remove the left side cover.

WARNING

* ***The rear wheel will spin if not restrained by the brake. Accidental contact with the spinning rear wheel could cause personal injury.***

3. Adjust idle speed with the throttle stop screw (1).
   IDLE SPEED: 1500 ± 100 rpm.

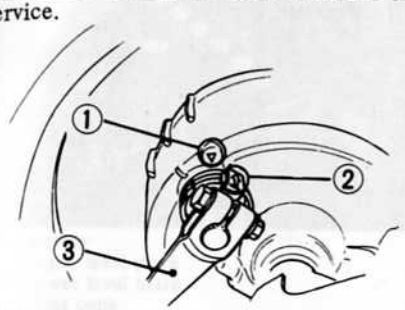
(1) Throttle stop screw

BRAKE SHOE WEAR

Wear Indicator:

When the brake is applied, an arrow (2) attached to the brake arm (3) moves toward a reference mark (1) on the brake panel.

If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. See your authorized Honda scooter dealer for this service.



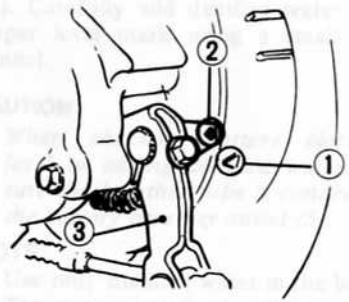
(FRONT)
(1) Reference mark (2) Arrow

Other Checks:

Check the brake cable for kinks or signs of wear that could cause sticking or failure.

Lubricate the brake cable with a commercially available cable lubricant to prevent premature wear and corrosion.

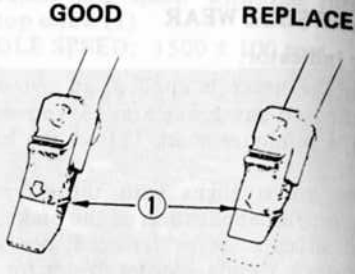
Make sure the brake arm, spring and fasteners are in good condition.



(REAR)
(3) Brake arm

SIDE STAND

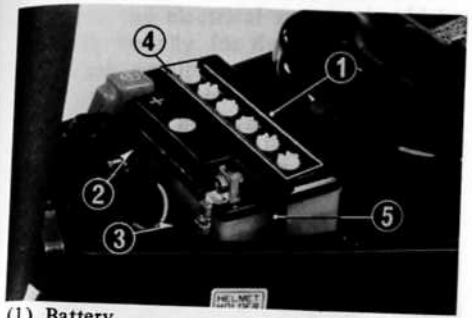
Check the rubber pad for deterioration and wear. Replace if wear extends to the wear line (1) as shown. Check the side stand spring for damage and loss of tension, and the side stand assembly for freedom of movement. See your authorized Honda scooter dealer for replacement.



(1) Wear line

BATTERY

If the scooter is operated with insufficient battery electrolyte, sulfation and battery plate damage will occur.
If rapid loss of electrolyte is experienced, or if your battery seems to be weak, causing electrical problems, see your authorized Honda scooter dealer.



(1) Battery
(2) Upper level mark
(3) Lower level mark
(4) Filler caps
(5) Breather outlet

Battery electrolyte:

The battery (1) is under the seat.
Lift the seat by unlocking the seat lock using the ignition key.
Remove the cover to check the electrolyte level.
The electrolyte level must be maintained between the upper (2) and lower (3) level marks on the side of the battery. If the electrolyte level is near the lower level mark, remove the battery and filler caps (4). Carefully add distilled water to the upper level mark using a small plastic funnel.

CAUTION:

* *When checking battery electrolyte level or adding distilled water, make sure the breather tube is connected to the battery breather outlet (5).*

NOTE:

* Use only distilled water in the battery. Tap water may shorten the service life of the battery.

WARNING

* *The battery contains sulfuric acid. Avoid contact with skin, eyes or clothing. Antidote: EXTERNAL-Flush with water, INTERNAL-Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Call physician immediately. Eyes: Flush with water and get prompt medical attention.*
* *Batteries produce explosive gases. Keep sparks, flames, and cigarettes away.*
  Ventilate when charging or using in enclosed spaces. Always shield eyes when working near batteries.
* *KEEP OUT OF REACH OF CHILDREN.*

CAUTION:

* *The battery breather tube must be routed as shown on the lebel. Do not bend or twist the breather tube. A bent or kinked breather tube may pressurize the battery and damage its case.*

FUSE REPLACEMENT

The main fuse (1) is near the battery. The specified fuse is 20A.
The fuse box (2) is near the horn inside the front cover. The specified fuse are 10A. When frequently fuse failure occurs, it usually indicates a short circuit or an overload in the electrical system. If this happens, the electrical system should be checked visually for damaged insulation or other possible malfunctions. If the problem cannot be located visually, the scooter should be examined by an authorized Honda scooter dealer.

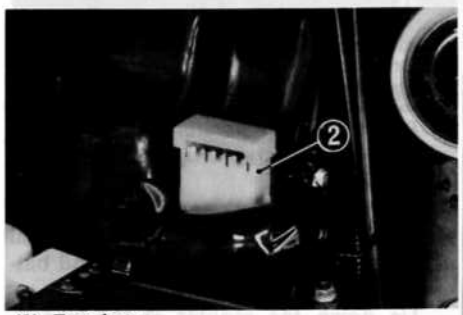
(1) Main fuse

WARNING

* *Never use a fuse with a different rating from that specified. Serious damage to the electrical system or a fire may result, causing a dangerous loss of lights or engine power at night or in traffic.*

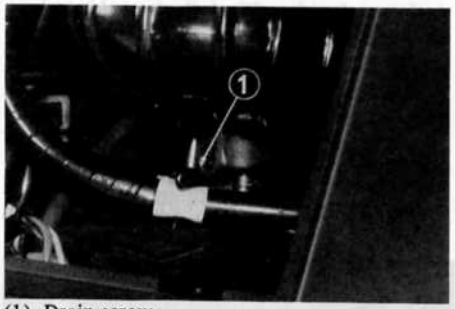
CAUTION:

* *Turn the ignition switch OFF before checking or replacing the fuse to prevent accidental short-circuiting.*



(2) Fuse-box

TRANSPORTING THE SCOOTER



(1) Drain screw

WARNING

* *To prevent the possibility of a fire or explosion when transporting the scooter always.*

– Drain the fuel tank and carburetor.
– Carry the scooter upright in its normal riding position to prevent oil and battery electrolyte from leaking.
– Tie down the scooter at the wheels.

Draining Fuel

Perform this operation only in a well-ventilated area.

WARNING

* *Gasoline is flammable and explosive under certain conditions. Always stop the engine, and do not smoke or allow flames or sparks in the area when draining or refueling.*

1. Stop the engine and remove the center cover.
2. Empty the fuel tank using a commercially available hand siphon or other equivalent way.
3. Place the free end of the carburetor drain tube into a suitable fuel container.
4. Open the carburetor drain by turning the drain screw (1) counterclockwise. When all fuel has drained, turn the screw clockwise until tight.

CLEANING

Clean your scooter regularly to protect the surface finishes and inspect it for damage, wear, and oil seepage.

CAUTION:

* *Avoid spraying high pressure water (typical in coin-operated car washes) at the following areas:*

Wheel Hubs	*Ignition Switch*
Muffler Outlet	*Handlebar Switches*
Under Seat	*Glove Box*

1. After cleaning, rinse the scooter thoroughly with plenty of clean water. Strong detergent residue can corrode alloy parts.
2. Dry the scooter, start the engine, and let it run for several minutes.
3. Test the brakes before riding the scooter in traffic. Several application may be necessary to restore normal braking performance.

WARNING

* *Braking performance may be impaired immediately after washing the scooter.*

STORAGE GUIDE

Storage

Extended storage, such as for winter, requires that you take certain steps to reduce the effects of deterioration from non-use of the scooter. In addition, necessary repairs should be made BEFORE storing the scooter; otherwise, these repairs may be forgotten by the time the scooter is removed from storage.

1. Change the engine oil and clean the filter screen.
2. Make sure the cooling system is filled with a 50/50% antifreeze solution.
3. Drain the fuel tank and carburetor. Spray the inside of the tank with an aerosol rust-inhibiting oil.
   Reinstall the fuel cap on the tank.

WARNING

* ***Gasoline is flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks near the equipment while draining fuel.***

4. Remove the spark plug and pour a tablespoon (15–20 cc) of clean engine oil into the cylinder. Crank the engine several times to distribute the oil, then reinstall the spark plug.

NOTE:

* When turning the engine over, the Engine Stop Switch should be OFF and the spark plug placed in its cable cap and grounded to prevent damage to the ignition system.

5. Remove the battery. Store in an area protected from freezing temperatures and direct sunlight.
6. Wash and dry the scooter. Wax all painted surfaces. Coat chrome with rust-inhibiting oil.
7. Inflate the tires to their recommended pressures. Place the scooter on blocks to raise both tires off the ground.
8. Cover the scooter (don't use plastic or other coated materials) and store in an unheated area, free of dampness with a minimum of daily temperature variation.
   Do not store the scooter in direct sunlight.

Removal from Storage

1. Uncover and clean the scooter.
   Change the engine oil if more than 4 months have passed since the start of storage.
2. Charge the battery as required. Install the battery.
3. Drain any excess aerosol rust-inhibiting oil from the fuel tank. Fill the fuel tank with fresh gasoline.
4. Perform all Pre-ride Inspection checks (page 27).
   Test ride the scooter at low speeds in a safe riding area away from traffic.

SPECIFICATIONS

DIMENSIONS

Overall length	1,925 mm (75.8 in)
Overall width	645 mm (25.3 in)
Overall height	1,125 mm (44.3 in)
Wheel base	1,200 mm (47.2 in)
Ground clearance	125 mm (4.9 in)

WEIGHT

Dry weight	105 kg (232 lbs)

CAPACITIES

Engine oil	1.0 ℓ (1.1 US qt) After disassembly
Fuel tank	8.0 ℓ (2.11 US gal)
Cooling system capacity	1.0 ℓ (1.1 US qt)
Passenger capacity load	Operator and one passenger
Vehicle capacity load	149 kg (330 lb)

ENGINE

Bore and stroke	58 x 57.8 mm (2.28 x 2.26 in)
Compression ratio	1 : 10
Displacement	153 cc (9.4 cu.in)
Spark plug	
Standard	DPR7EA-9 (NGK) X22EPR-U9 (ND)
For cold climate (Below 5°C, 41°F)	DPR6EA-9 (NGK) X20EPR-U9 (ND)
Spark plug gap	0.8 – 0.9 mm (0.031 – 0.035 in)
Idle speed	1500 ± 100 rpm

CHASSIS AND SUSPENSION	
Caster	27°00
Trail	79 mm (3.1 in)
Tire size, front	3.50–10–4PR
Tire size, rear	3.50–10–4PR
ELECTRICAL	
Battery	12V–9 Ah
Alternator	A.C. Generator
POWER TRANSMISSION	
Primary reduction	2.2–0.9
Final reduction	7.318
LIGHTS	
Headlight	12V–60/55W
Tail/stoplight	12V–32/2 cp
Turn signal light	12V–32 cp
Instrument lights	12V–3.4W
Turn signal indicator light	12V–3.4W
High beam indicator light	12V–3.4W
FUSE	10A, 20A

MEMO