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**ELITE 250**

**CH250 OWNER'S MANUAL**

## 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.*

**CAUTION**

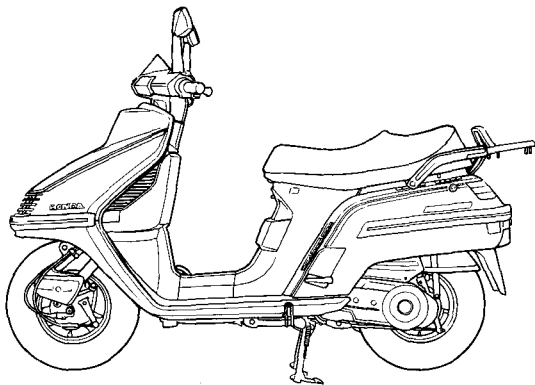
*Indicates a possibility of personal injury or equipment damage if instructions are not followed.*

**NOTE:** Gives helpful information.

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

**HONDA CH250 ELITE 250  
OWNER'S MANUAL**

**1985**



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## WELCOME

The scooter presents you a challenge to master the machine, a challenge to adventure. You ride through the wind, linked to the road by a vehicle that responds to your commands as no other does. Unlike an automobile, there is no metal cage around you. Like an airplane, a pre-ride inspection and regular maintenance are essential to your safety. Your reward is freedom.

To meet the challenges safely, and to enjoy the adventure fully, you should become thoroughly familiar with this owner's manual **BEFORE YOU RIDE THE SCOOTER.**

When service is required, remember that your Honda dealer knows your scooter best. 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.

Please riding, and thank you for choosing a Honda!

# OPERATION

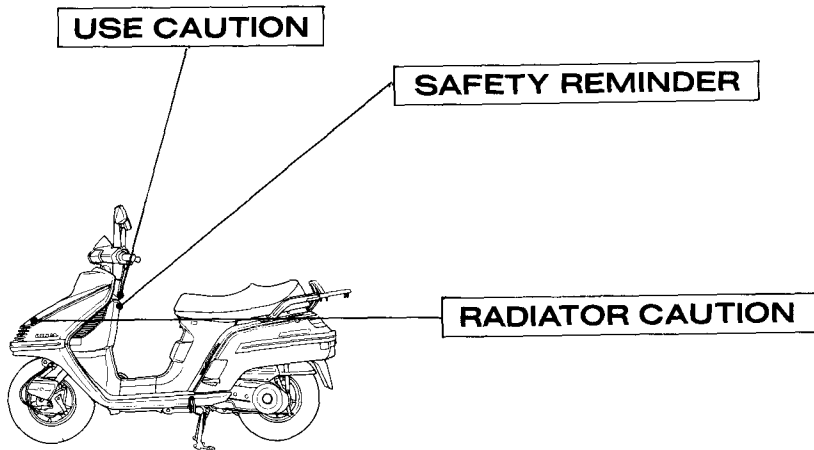
Page		Page	
1	SCOOTER SAFETY	24	Starter Button
3	Safe Riding Rules	25	Left Handlebar Controls
4	Protective Apparel	26	Rear Brake Lock
4	Modifications	27	Ignition Switch Light
5	Loading and Accessories		
6	PARTS LOCATION	28	FEATURES (Not required for operation)
9	Parts Function	28	Steering Lock
15	MAJOR COMPONENTS (Information you need to operate this scooter)	28	Seat Lock
15	Brakes	29	Helmet Holder
16	Coolant	30	Glove Box
18	Fuel	31	OPERATION
19	Engine Oil Level Check	31	Pre-ride Inspection
20	Tubeless Tires	32	Starting the Engine
22	Battery	36	Break-in
23	ESSENTIAL INDIVIDUAL COMPONENTS	37	Riding
23	Ignition Switch	40	Braking
24	Engine Stop Switch	41	Parking
		41	Anti-theft Tips

# MAINTENANCE

Page		Page	
42	MAINTENANCE	58	FRAME/BRAKES
43	Maintenance Schedule	58	Brake Shoe Wear
45	Maintenance Record	59	Side Stand
46	Tool Kit		
47	Serial Numbers	60	ELECTRICAL
48	Color Label	60	Fuse Replacement
49	Maintenance Precautions		
50	FILTERS/LUBRICATION	61	TRANSPORTING
50	Air Cleaner	62	CLEANING
51	Belt Case Air Cleaner		
52	Crankcase Breather	63	STORAGE GUIDE
53	Engine Oil and Filter Screen		
56	ENGINE	65	SPECIFICATIONS
56	Spark Plug		
57	Idle Speed		

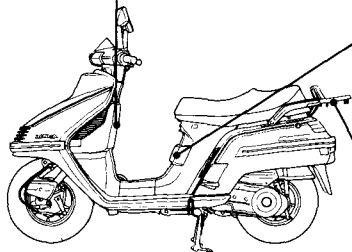
## SCOOTER SAFETY

Read these WARNING LABELS before you ride!



**LOAD CAUTION**

**IMPORTANT INFORMATION**



**REAR CARRIER CAUTION**

 **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 31) 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 safely.

The vehicle load limit is 335 lbs (150 kg). The combined weight of the rider, passenger, and cargo must not exceed this limit.

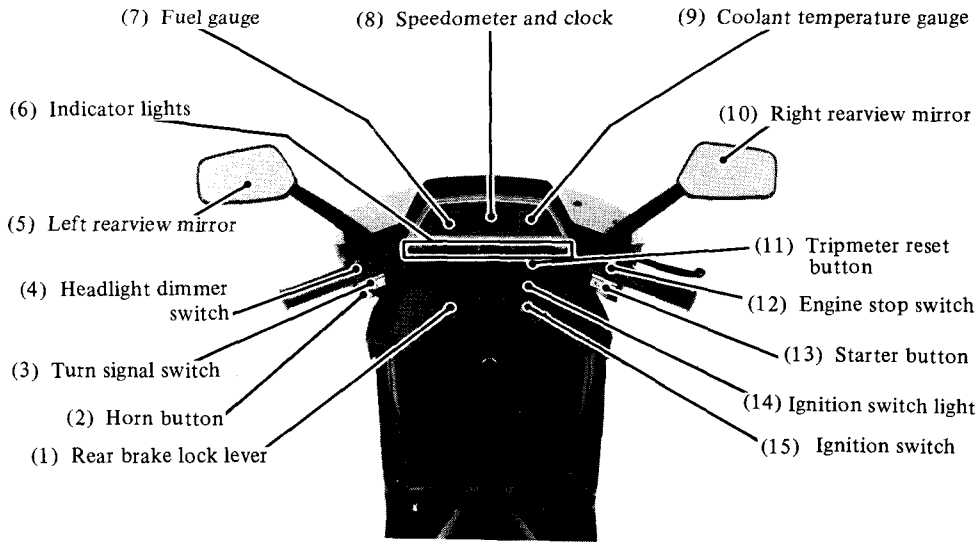
1. Do not exceed these following weight limits for the luggage rack and glove box.

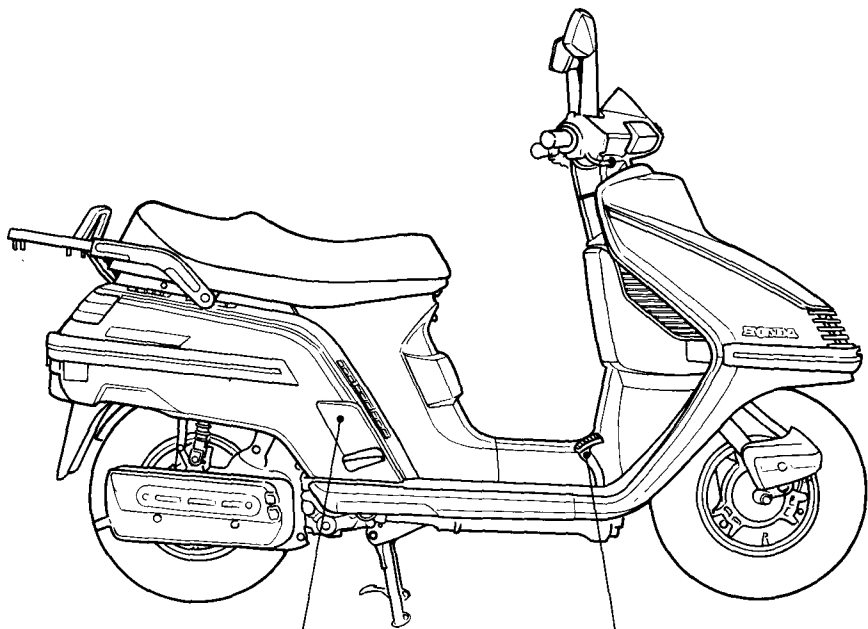
Front (Glove box)	Rear (Rack)
3 lbs (1.5 kg)	15 lbs (7 kg)

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.

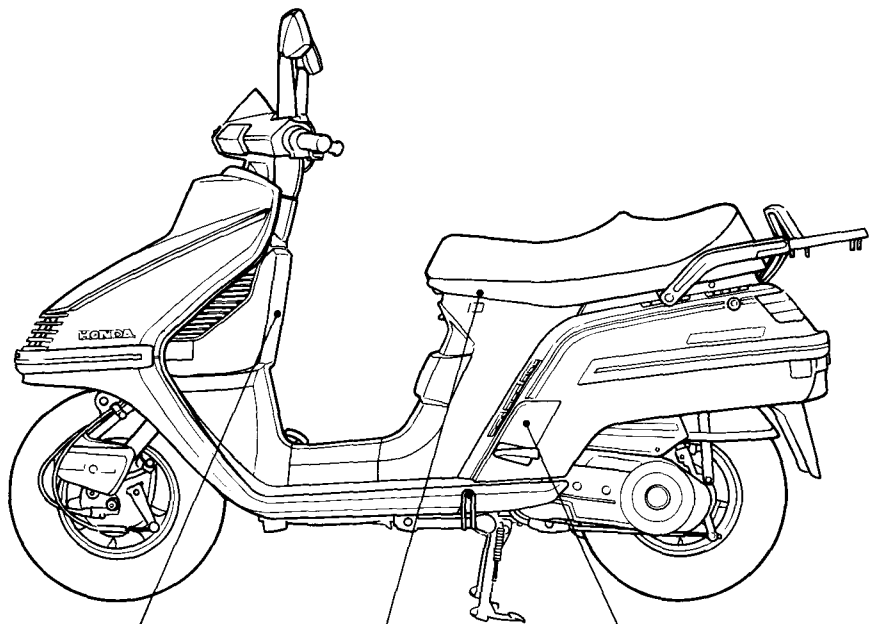
## PARTS LOCATION





(1) Passenger footrest

(2) Rear brake pedal



(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.

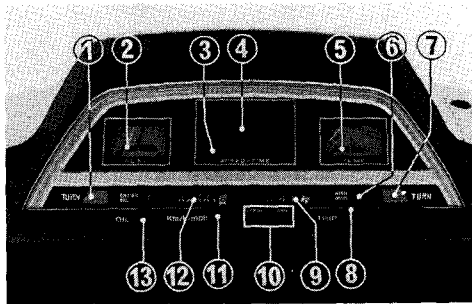
#### USA model:

Odometer reads in miles.

#### Canadian model:

Odometer reads in kilometers.

- (1) Left turn signal indicator
- (2) Fuel gauge
- (3) Digital clock
- (4) Speedometer
- (5) Coolant temperature gauge
- (6) High beam indicator lamp
- (7) Right turn signal indicator
- (8) Tripmeter reset button
- (9) Tripmeter
- (10) Digital clock adjusting buttons
- (11) Speedometer (Km/h ↔ MPH) select button
- (12) Odometer
- (13) Maintenance indicator



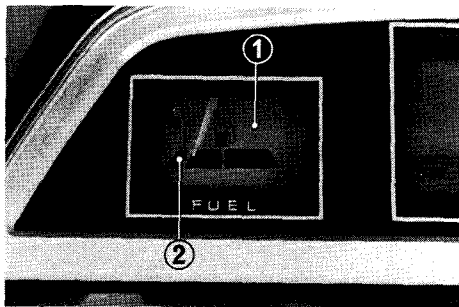
Ref. No.	Description	Function
1	Left turn signal indicator	Flashes when the left turn signal operates.
2	Fuel gauge	Shows approximate fuel supply available (see page 12).
3	Digital clock	Shows the time (see page 14).
4	Speedometer	Shows riding speed (see page 12).
5	Coolant temperature gauge	Shows coolant temperature (see page 13).
6	High beam indicator	Lights when the headlight is on high beam.
7	Right turn signal indicator	Flashes when the right turn signal operates.
8	Tripmeter reset button	Press the button to reset tripmeter to zero (0).
9	Tripmeter	Shows mileage per trip.
10	Digital clock adjusting buttons	Adjust the clock (see page 14).

Ref. No.	Description	Function
11	Speedometer (km/h MPH) select button	Selects speedometer readout in km/h or MPH (see page 12).
12	Odometer	Shows accumulated mileage.
13	Maintenance indicator	Shows approaching specified maintenance interval for engine oil change (see page 13).

## Fuel Gauge

The fuel gauge shows the approximate fuel supply available. At F (Full) there are 8.0 liters (2.1 US gal., 1.7 Imp. gal.), including the reserve supply.

When the gauge needle enters the red band (2), 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 2.0 liters (0.52 US gal., 0.44 Imp. gal.)

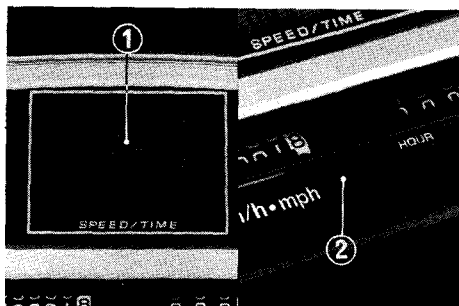


(1) Fuel gauge (2) Red band  
12

## Speedometer

The speedometer display (1) shows riding speed.

When the ignition switch is turned ON, the display changes from 100 to 199 in increments of 11 (111, 122, 133, 144, ...) until it shows Zero (0). The speedometer readout can be changed to show either MPH or km/h by pressing the display select button (2). The mode chosen will be displayed in the MPH km/h display.



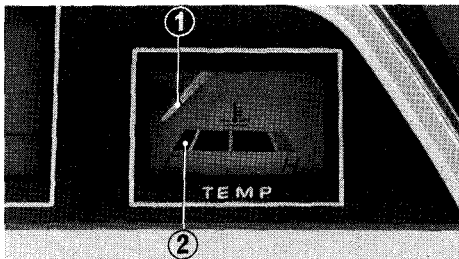
(1) Speedometer L.C. display  
(2) Display select button

## 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 16-17 and do not ride the scooter until the problem has been corrected.

### CAUTION:

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



(1) Needle

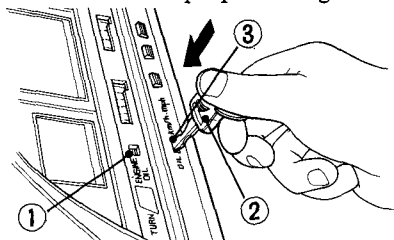
(2) C mark

## Maintenance Indicator

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

(3) Slot

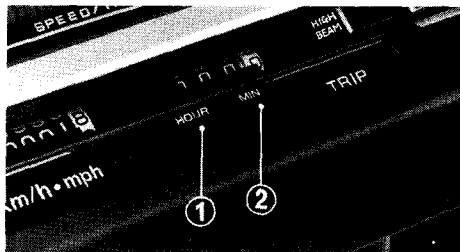
## Digital Clock

The digital clock displays the time of day or night, and it has its own power source. To adjust time, proceed as follows:

Turn the ignition switch to the ON position.

Hour. . . Press the Hour button (1) until the correct hour is displayed. Be sure to select the AM or PM hour.

Minute . Press the Min button (2) until the correct minute is displayed. The clock is now set.



(1) Hour button

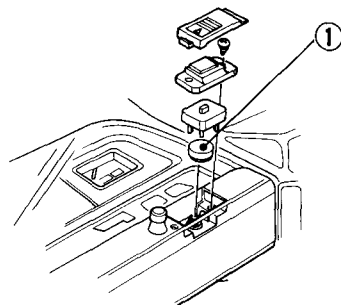
(2) Min button

## Battery Replacement

The digital clock's battery compartment is located under the tripmeter reset button. Remove the cover and install a new battery in the compartment.

### NOTE:

- \* Do not reverse the battery polarity.
- \* The battery is SR44 or LR44H oxidized silver dry battery.



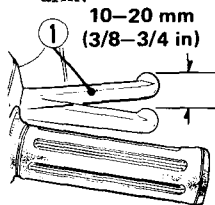
(1) Battery

# MAJOR COMPONENTS (Information you need to operate this scooter)

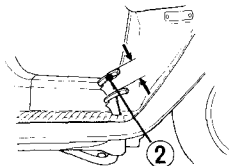
## BRAKES

### 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



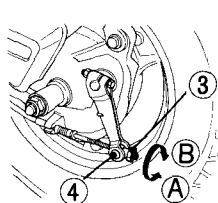
(2) Rear brake pedal

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.

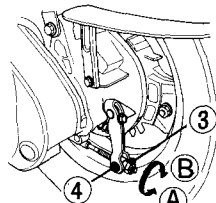
### NOTE:

\* 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