

S2000

 2000-2003
Service Manual

INTRODUCTION

How to Use This Manual

This manual is divided into 23 sections. The first page of each section is marked with a black tab that lines up with its corresponding thumb index tab on this page and the back cover. You can quickly find the first page of each section without looking through a full table of contents. The symbols printed at the top corner of each page can also be used as a quick reference.


Each section includes:




1. A table of contents, or an exploded view index showing:
 - Parts disassembly sequence.
 - Bolt torques and thread sizes.
 - Page references to descriptions in text.
2. Disassembly/assembly procedures and tools.
3. Inspection.
4. Testing/troubleshooting.
5. Repair.
6. Adjustments.

Safety Messages

Your safety, and the safety of others, is very important. To help you make informed decisions we have provided safety messages and other safety information throughout this manual. Of course, it is not practical or possible to warn you about all the hazards associated with servicing this vehicle. You must use your own good judgment.

You will find important safety information in a variety of forms including:

- **Safety Labels** – on the vehicle.
- **Safety Messages** – preceded by a safety alert symbol  and one of three signal words, DANGER, WARNING, or CAUTION. These signal words mean:

-  **DANGER** You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
-  **WARNING** You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
-  **CAUTION** You CAN be HURT if you don't follow instructions.

- **Instructions** – how to service this vehicle correctly and safely.

All information contained in this manual is based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice. No part of this publication may be reproduced, or stored in a retrieval system, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. This includes text, figures, and tables.

As you read this manual, you will find information that is preceded by a **NOTICE** symbol. The purpose of this message is to help prevent damage to your vehicle, other property, or the environment.

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Service Publication Office

As sections with *include SRS components;
special precautions are required when servicing.

General Info

Specifications

specs

Maintenance



Engine Electrical



Engine



Cooling



Fuel and Emissions



*Transaxle



*Steering



Suspension



*Brakes
(Including **ABS**)



*Body



*Heating, Ventilation
and Air Conditioning



*Body Electrical



*Restraints



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General Information

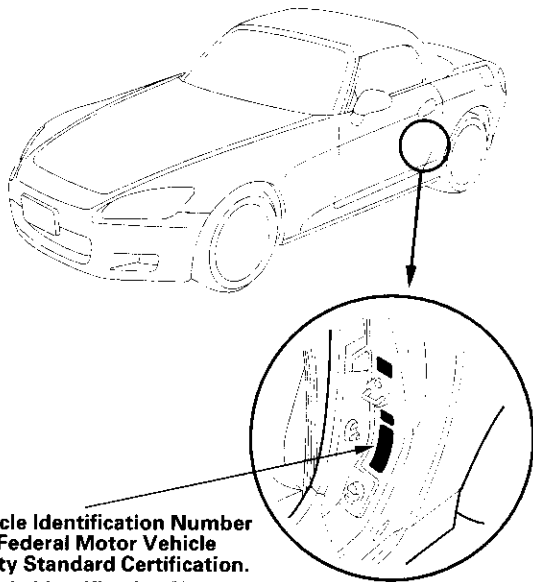
Chassis and Paint Codes - 2000 Model

Vehicle Identification Number

JHM AP1 1 4 * Y T 000001

a b c d e f g h

- a. Manufacturer, Make and Type of Vehicle**
JHM: HONDA MOTOR CO., LTD
HONDA Passenger vehicle
- b. Line, Body and Engine Type**
AP1: S2000/F20C1
- c. Body Type and Transmission Type**
1: 2-door Convertible/6-speed Manual
- d. Vehicle Grade (Series)**
4: Base Model
- e. Check Digit**
- f. Model Year**
Y: 2000
- g. Factory Code**
T: Tochigi Factory in Japan
- h. Serial Number**
For U.S. model: 000001—
For Canada model: 800001—



Vehicle Identification Number and Federal Motor Vehicle Safety Standard Certification.
Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification.

Engine Number

F20C1 - 1000001

a b

- a. Engine Type**
F20C1: 2.0 l DOHC VTEC Sequential Multiport Fuel-injected engine
- b. Serial Number**
U.S. model: 1000001—
Canada model: 1100001—

Transmission Number

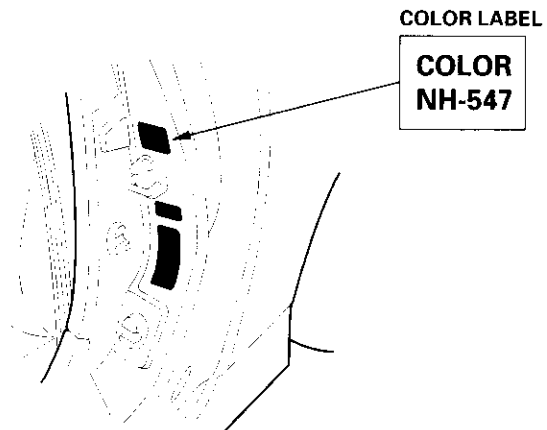
SCYM - 1000001

a b

- a. Transmission Type**
SCYM: 6-speed Manual
- b. Serial Number**

Paint Code

Code	Color
NH-547	Berlina Black
NH-565	Grand Prix White
NH-630M	Silverstone Metallic
R-510	New Formula Red





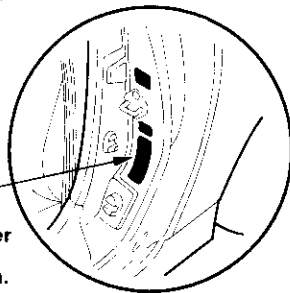
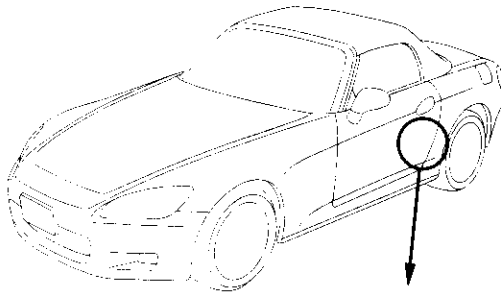
Chassis and Paint Codes - 2001 Model

Vehicle Identification Number

JHM AP1 1 4 * 1 T 000001

a b c d e f g h

- a. **Manufacturer, Make and Type of Vehicle**
JHM: HONDA MOTOR CO., LTD
HONDA Passenger vehicle
- b. **Line, Body and Engine Type**
AP1: S2000/F20C1
- c. **Body Type and Transmission Type**
1: 2-door Convertible/6-speed Manual
- d. **Vehicle Grade (Series)**
4: Base Model
- e. **Check Digit**
- f. **Model Year**
1: 2001
- g. **Factory Code**
T: Tochigi Factory in Japan
- h. **Serial Number**
For U.S. model: 000001 –
For Canada model: 800001 –



Vehicle Identification Number and Federal Motor Vehicle Safety Standard Certification.
Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification.

Engine Number

F20C1 - 1010001

a b

- a. **Engine Type**
F20C1: 2.0 l DOHC VTEC Sequential Multiport Fuel-injected engine
- b. **Serial Number**
U.S. model: 1010001 –
Canada model: 1110001 –

Transmission Number

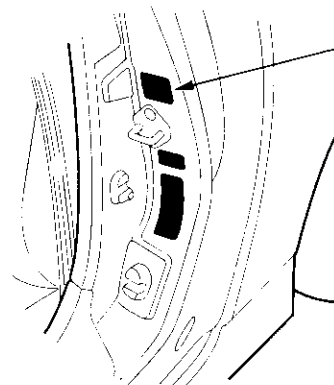
SCYM - 1000001

a b

- a. **Transmission Type**
SCYM: 6-speed Manual
- b. **Serial Number**

Paint Code

Code	Color
B-66P	Montecarlo Blue Pearl (Canada model only)
NH-547	Berlina Black
NH-565	Grand Prix White (U.S. model only)
NH-630M	Silverstone Metallic
R-510	New Formula Red
Y-52P	Spa Yellow Pearl



COLOR LABEL

COLOR
NH-547

General Information

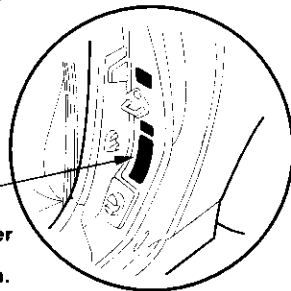
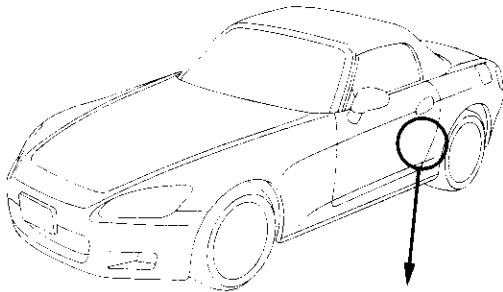
Chassis and Paint Codes - 2002 Model

Vehicle Identification Number

JHM AP1 1 4 * 2 T 000001

a	b	c	d	e	f	g	h

- a. Manufacturer, Make and Type of Vehicle**
JHM: HONDA MOTOR CO., LTD
HONDA Passenger vehicle
- b. Line, Body and Engine Type**
AP1: S2000/F20C1
- c. Body Type and Transmission Type**
1: 2-door Convertible/6-speed Manual
- d. Vehicle Grade (Series)**
4: Base Model
- e. Check Digit**
- f. Model Year**
2: 2002
- g. Factory Code**
T: Tochigi Factory in Japan
- h. Serial Number**
U.S. model: 000001 –
Canada model: 800001 –



Vehicle Identification Number and Federal Motor Vehicle Safety Standard Certification.
Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification.

Engine Number

F20C1 - 1020001

a	b

- a. Engine Type**
F20C1: 2.0 l DOHC VTEC Sequential Multiport Fuel-injected engine
- b. Serial Number**
U.S. model: 1020001 –
Canada model: 1120001 –

Transmission Number

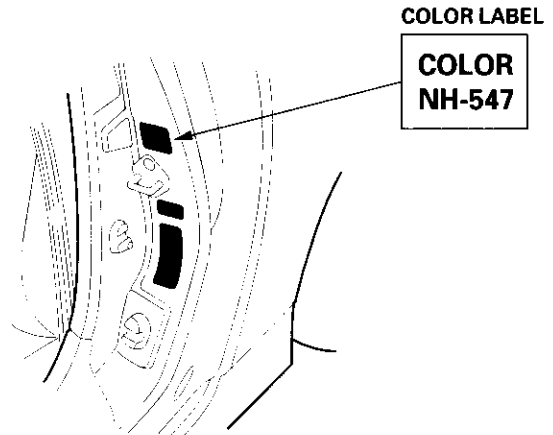
SCYM - 2000001

a	b

- a. Transmission Type**
SCYM: 6-speed Manual
- b. Serial Number**

Paint Code

Code	Color
B-513M	Nuerburgring Blue Metallic
NH-547	Berlina Black
NH-552M	Sebring Silver Metallic
NH-565	Grand Prix White
R-510	New Formula Red
Y-52P	Indy Yellow Pearl (U.S. model only)





Chassis and Paint Codes - 2003 Model

Vehicle Identification Number

JHM AP1 1 4 * 3 T 000001

a b c d e f g h

a. Manufacturer, Make and Type of Vehicle

JHM: HONDA MOTOR CO., LTD

HONDA Passenger vehicle

b. Line, Body and Engine Type

AP1: S2000/F20C1

c. Body Type and Transmission Type

1: 2-door Convertible/6-speed Manual

d. Vehicle Grade (Series)

4: Base Model

e. Check Digit

f. Model Year

3: 2003

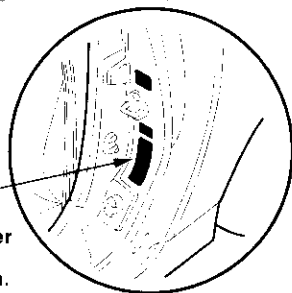
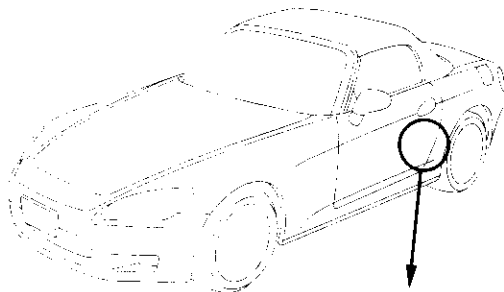
g. Factory Code

T: Tochigi Factory in Japan

h. Serial Number

U.S. model: 000001 -

Canada model: 800001 -



Vehicle Identification Number and Federal Motor Vehicle Safety Standard Certification.
Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification.

Engine Number

F20C1 - 1040001

a b

a. Engine Type

F20C1: 2.0 l DOHC VTEC Sequential Multiport

Fuel-injected engine

b. Serial Number

U.S. model: 1040001 -

Canada model: 1130001 -

Transmission Number

SCYM - 2000001

a b

a. Transmission Type

SCYM: 6-speed Manual

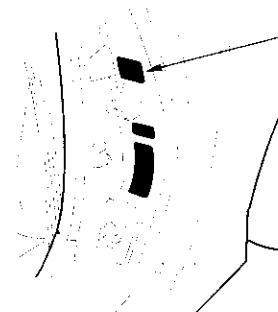
b. Serial Number

Paint Code

Code	Color
B-513M	Suzuka Blue Metallic (U.S. model only)
NH-547	Berlina Black
NH-552M	Sebring Silver Metallic
NH-565	Grand Prix White
R-510	New Formula Red
Y-52P	Spa Yellow Pearl (U.S. model only)
NH-630M	Silverstone Metallic (U.S. model only)

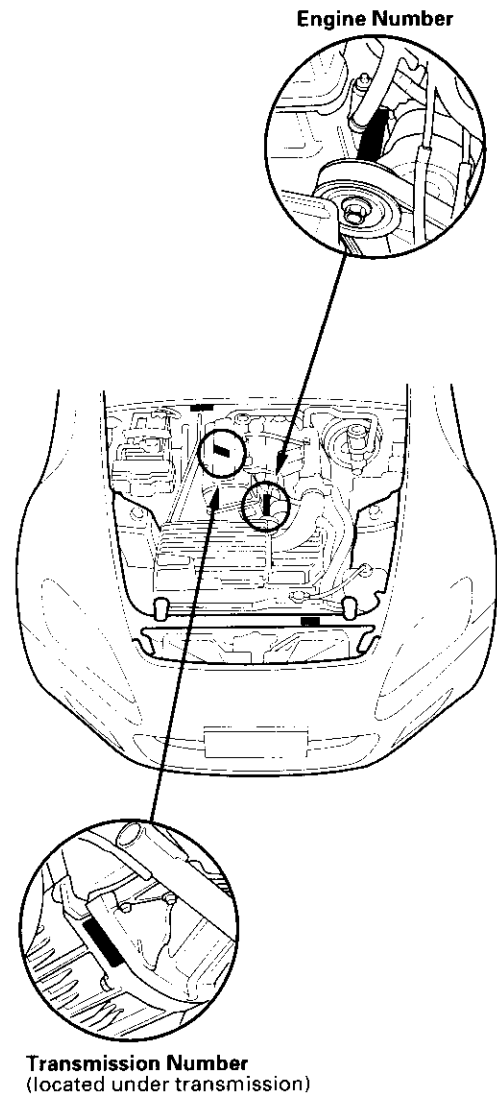
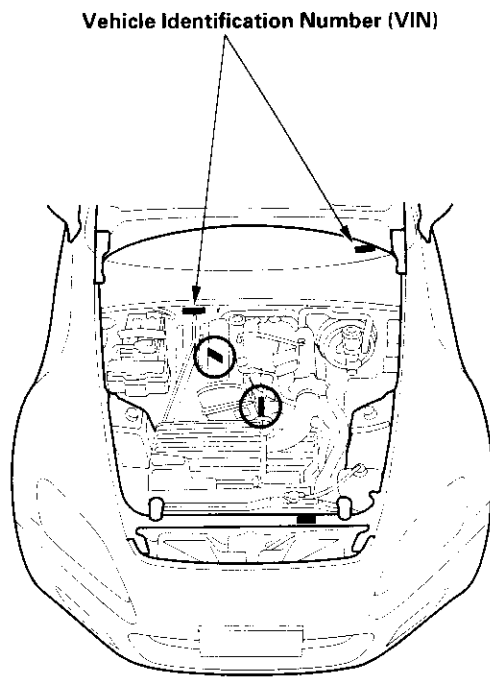
COLOR LABEL

COLOR
NH-547



General Information

Identification Number Locations





Warning/Caution Label Locations

CABLE REEL CAUTION

SRS

INSTALLATION OF THE SRS CABLE REEL IS CRITICAL TO THE PROPER OPERATION OF THE SRS SYSTEM. REFER TO THE SERVICE MANUAL FOR DETAILED INSTALLATION INSTRUCTIONS.

DRIVER MODULE DANGER

▲ DANGER

EXPLOSIVE/FLAMMABLE
STORAGE TEMPERATURES MUST NOT EXCEED 200°F (93°C). FOR PROPER HANDLING STORAGE AND DISPOSAL PROCEDURES, REFER TO SERVICE MANUAL SRS SUPPLEMENT.

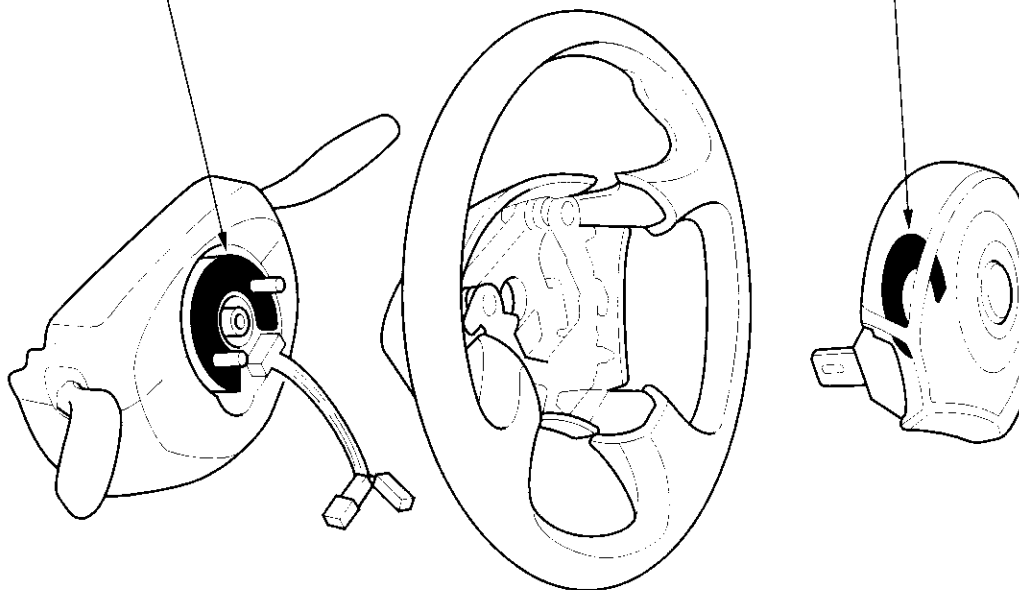
FIRST AID

IF CONTENTS ARE SWALLOWED, INDUCE VOMITING. FOR EYE CONTACT, FLUSH EYES WITH WATER FOR 15 MINUTES. IN EVERY CASE, GET PROMPT MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN.

▲ WARNING

THE AIRBAG INFLATOR IS EXPLOSIVE AND, IF ACCIDENTALLY DEPLOYED, CAN SERIOUSLY HURT OR KILL YOU.

- DO NOT USE ELECTRICAL TEST EQUIPMENT OR PROBING DEVICES. THEY CAN CAUSE ACCIDENTAL DEPLOYMENT.
- NO SERVICEABLE PARTS INSIDE. DO NOT DISASSEMBLE.
- PLACE AIRBAG UPRIGHT WHEN REMOVED.
- FOLLOW SERVICE MANUAL INSTRUCTIONS CAREFULLY.



(cont'd)

General Information

Warning/Caution Label Locations (cont'd)

SRS WARNING INFORMATION U.S.A. model

▲ WARNING

DEATH OR SERIOUS INJURY CAN OCCUR.

- CHILDREN 12 AND UNDER CAN BE KILLED BY THE AIRBAG.
- NEVER PUT A REAR-FACING CHILD SEAT IN THE FRONT.
- SIT AS FAR BACK AS POSSIBLE FROM THE AIRBAG.
- ALWAYS USE SEAT BELTS AND CHILD RESTRAINTS.

SRS INFORMATION Canada model

CAUTION
TO AVOID SERIOUS INJURY:

- FOR MAXIMUM SAFETY PROTECTION IN ALL TYPES OF CRASHES, YOU MUST ALWAYS WEAR YOUR SAFETY BELT.
- DO NOT INSTALL REARWARD FACING CHILD SEATS IN ANY FRONT PASSENGER SEAT POSITION.
- DO NOT SIT OR LEAN UNNECESSARILY CLOSE TO THE AIRBAG.
- DO NOT PLACE ANY OBJECTS OVER THE AIRBAG OR BETWEEN THE AIRBAG AND YOURSELF.
- SEE THE OWNER'S MANUAL FOR FURTHER INFORMATION AND EXPLANATIONS.

SRS INFORMATION U.S.A. model

**AIRBAG WARNING
FLIP VISOR OVER.**

FRONT PASSENGER MODULE DANGER

▲ DANGER

EXPLOSIVE/FLAMMABLE
STORAGE TEMPERATURES MUST NOT EXCEED 200°F (93°C). FOR PROPER HANDLING STORAGE AND DISPOSAL PROCEDURES REFER TO SERVICE MANUAL SRS SUPPLEMENT.

FIRST AID
IF CONTENTS ARE SWALLOWED, INDUCE VOMITING. FOR EYE CONTACT, FLUSH EYES WITH WATER FOR 15 MINUTES. IN EVERY CASE, GET PROMPT MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN.

▲ WARNING

THE AIRBAG INFLATOR IS EXPLOSIVE AND, IF ACCIDENTALLY DEPLOYED, CAN SERIOUSLY HURT OR KILL YOU.

- DO NOT USE ELECTRICAL TEST EQUIPMENT OR PROBING DEVICES. THEY CAN CAUSE ACCIDENTAL DEPLOYMENT.
- NO SERVICEABLE PARTS INSIDE. DO NOT DISASSEMBLE.
- PLACE AIRBAG UPRIGHT WHEN REMOVED.
- FOLLOW SERVICE MANUAL INSTRUCTIONS CAREFULLY.

MONITOR NOTICE

NOTICE **SRS**

- NO SERVICEABLE PARTS INSIDE.
- REFER TO SERVICE MANUAL FOR DETAILED INSTRUCTIONS.

FRONT PASSENGER AIRBAG WARNING (CHILD SEAT)

▲ WARNING

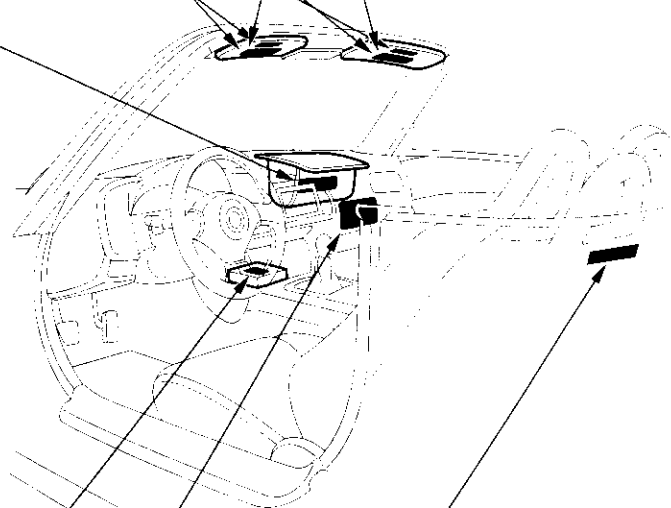
CHILDREN CAN BE KILLED OR INJURED BY THE PASSENGER AIRBAG. MAKE SURE ALL CHILDREN USE SEAT BELTS OR CHILD SEATS.

SEAT BELT TENSIONER WARNING

▲ WARNING

EXPLOSIVE, MATERIAL INSIDE
YOU CAN BE SERIOUSLY HURT OR BURNED.

- DO NOT TAMPER OR DISASSEMBLE. NO SERVICEABLE PARTS INSIDE.
- REFER TO SERVICE MANUAL FOR COMPLETE INSTRUCTION.





SRS WARNING (HOOD)

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)
THIS VEHICLE IS EQUIPPED WITH DRIVER AND FRONT SEAT PASSENGER AIRBAGS. ALL SRS ELECTRICAL WIRING AND CONNECTORS ARE COLORED YELLOW. TAMPERING WITH, DISCONNECTING, OR USING ELECTRICAL TEST EQUIPMENT ON THE SRS WIRING CAN MAKE THE SYSTEM INOPERATIVE OR CAUSE ACCIDENTAL FIRING OF THE INFLATOR.

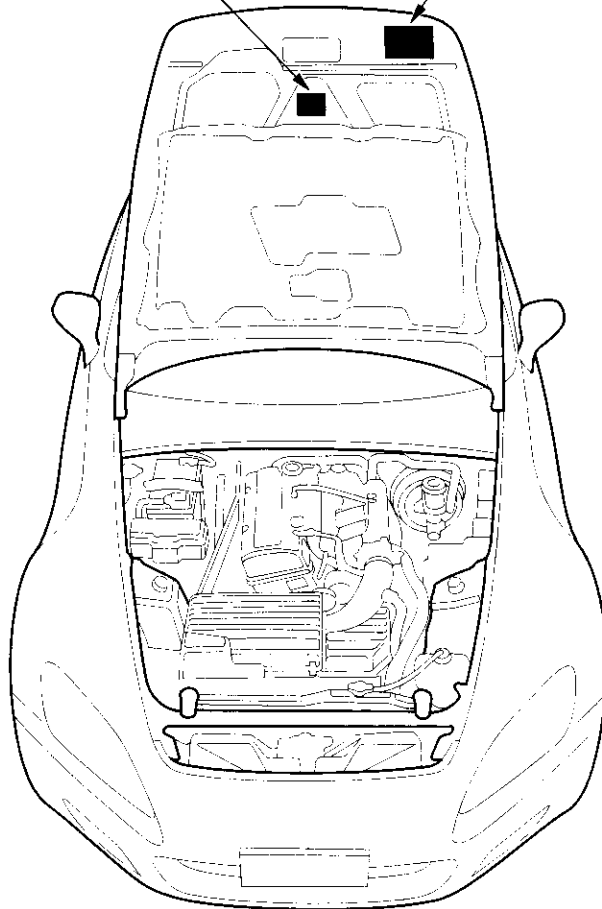
▲ WARNING

THE AIRBAG INFLATOR IS EXPLOSIVE AND, IF ACCIDENTALLY DEPLOYED, CAN SERIOUSLY HURT YOU. FOLLOW SERVICE MANUAL INSTRUCTIONS CAREFULLY.

STEERING COLUMN NOTICE

NOTICE

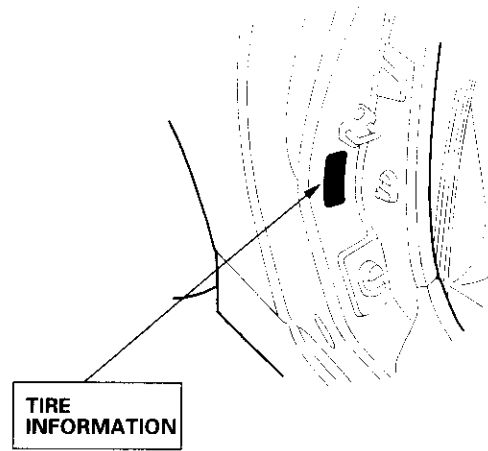
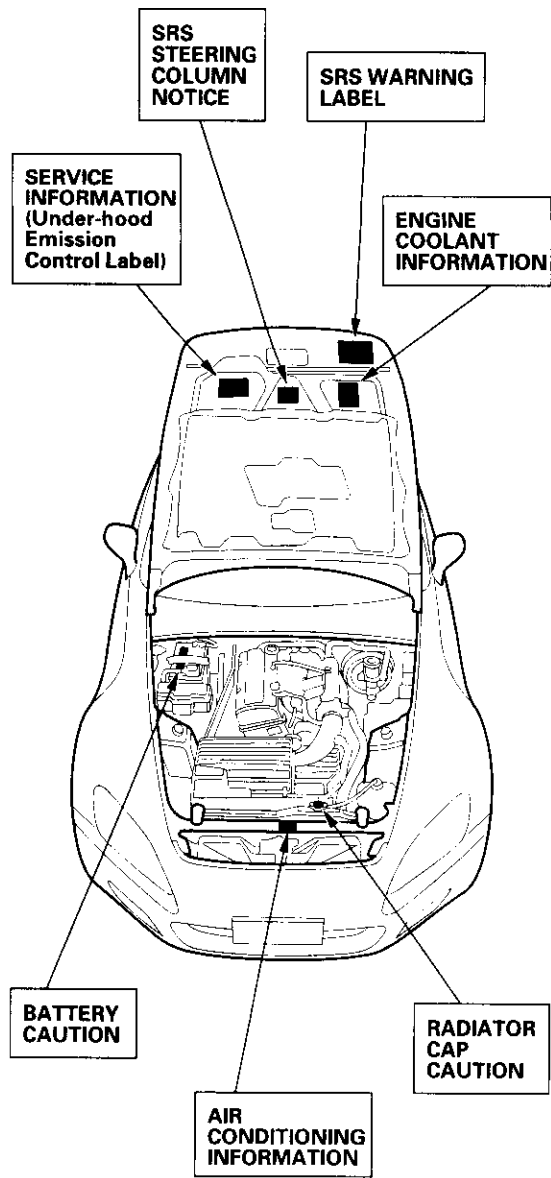
TO PREVENT SRS DAMAGE, REMOVE STEERING WHEEL BEFORE REMOVING STEERING SHAFT CONNECTING BOLT.



(cont'd)

General Information

Warning/Caution Label Locations (cont'd)





Under-hood Emission Control Label (2000-2002 Models)

Emission Group Identification

Example:

VEHICLE EMISSION CONTROL INFORMATION	
THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO 2002 MODEL YEAR NEW LEV PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2002 MODEL YEAR NEW LEV PASSENGER CARS	
CATALYST 2HXV02 0DYC 2HXRD130AAF 2.0L TWC/HO2S(2)/AIR/SFI/OBD II CERTIFIED	
VALVE LASH IN: 0.23±0.02 mm ICOLD: EX 0.27±0.02 mm SPARK PLUG GAP: 1.0-1.1 mm NO OTHER ADJUSTMENTS NEEDED	
	20VAGFFF
Honda Motor Co., Ltd. PCX-A02	

2000 model:

FEDERAL

THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO 2000 MODEL YEAR NEW LEV PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2000 MODEL YEAR NEW LEV PASSENGER CAR.

2001 model:

FEDERAL

THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO 2001 MODEL YEAR NEW LEV PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2001 MODEL YEAR NEW LEV PASSENGER CAR.

CANADIAN TIER 1

THIS VEHICLE CONFORMS TO CANADIAN TIER 1 STANDARDS FOR 2001 MODEL YEAR NEW PASSENGER CARS.

2002 model:

FEDERAL and CANADIAN TIER 1

THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO 2002 MODEL YEAR NEW LEV PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2002 MODEL YEAR NEW LEV PASSENGER CARS.

Engine and Evaporative Families:

Engine Family:

2 HNX V 02.0 DYC
 a b c d e

a. Model Year

Y: 2000

1: 2001

2: 2002

b. Manufacturer Subcode

HNX: HONDA

c. Family Type

V: LDV

d. Displacement

e. Sequence Characters

Evaporative Family:

2 HNX R 0130 AAF
 a b c d e

a. Model Year

Y: 2000

1: 2001

2: 2002

b. Manufacturer Subcode

HNX: HONDA

c. Family Type

R: EVAP/ORVR

d. Canister Work Capacity

e. Sequence Characters