

1993 VIGO SERVICE MANUAL  
Published by Honda Motor Co., Ltd. Printed in U.S.A.  
© 1992 American Honda Motor Co., Inc. All Rights Reserved.  
PN 651-50 © 92 0-953-20029-0

**VIGOR**  
Service Manual 1993

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 system.

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.

### Special Information

**⚠ 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.

**CAUTION:** Detailed descriptions of *standard workshop* procedures, safety principles and service operations are not included. Please note that this manual contains warnings and cautions against some specific service methods which could cause **PERSONAL INJURY**, damage a vehicle or make it unsafe. Please understand that these warnings cannot cover all conceivable ways in which service, whether or not recommended by HONDA might be done, or of the possible hazardous consequences of every conceivable way, nor could HONDA investigate all such ways. Anyone using service procedures or tools, whether or not recommended by HONDA, *must satisfy himself thoroughly* that neither personal safety nor vehicle safety will be jeopardized.

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, stored in 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.

First Edition 9/92 1364 pages  
All Rights Reserved  
Specification apply to U.S.A. and Canada

HONDA MOTOR CO., LTD.  
Service Publication Office

Special Tools



Specifications



Maintenance



Engine



Cooling



Fuel and Emissions



\* Transaxle



\* Steering



Suspension



\* Brakes  
(Including **ABS**)



\* Body



\* Heater and  
Air Conditioner



\* Electrical  
(Including **SRS**)



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

## SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

The VIGOR SRS includes a driver's side airbag, located in the steering wheel hub. In addition, the GS model has a front passenger's airbag located in the dashboard above the glove box. Information necessary to safely service the SRS is included in this Service Manual. Items marked with an asterisk (\*) on the contents page include, or are located near, SRS components. Servicing, disassembling or replacing these items will require special precautions and tools, and should therefore be done by an authorized Acura dealer.

### WARNING

- To avoid rendering the SRS inoperative, which could lead to personal injury or death in the event of a severe frontal collision, all maintenance must be performed by an authorized Acura dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, could lead to personal injury caused by unintentional activation of the airbag (s).
- All SRS electrical wiring harnesses are covered with yellow outer insulation. Related components are located in the steering column, center console, dash, and dashboard lower panel, and in the dashboard above the glove box. Do not use electrical test equipment on these circuits.

NOTE: The radio may have a coded theft protection circuit. Be sure to get the customer's code number before

- Disconnecting the battery.
  - Removing the No. 39 (10 A) fuse in the under-hood fuse/relay box.
  - Removing the radio.
- After service, reconnect power to the radio and turn it on. When the word "CODE" is displayed, enter the customer's 5-digit code to restore radio operation.

## General Information

Chassis and Paint Codes .....	1-2
Identification Number Locations .....	1-4
Warning/Caution Label Locations .....	1-5
Lift and Support Points	
Lift .....	1-9
Floor Jack .....	1-10
Safety Stands .....	1-11
Towing .....	1-12
Service Precautions .....	1-13

# Chassis and Paint Codes

## U.S. Model

Vehicle Identification Number JH4CC254\*PC000001

Manufacturer, Make and Type of Vehicle JH4: HONDA MOTOR CO., LTD.  
ACURA Passenger car

Body Type CC2: VIGOR 4-Door Hardtop/  
G25A1

Body and Transmission Type 5:4-Door Hardtop/5-speed Manual  
6:4-Door Hardtop/4-speed Automatic

Vehicle Grade 4: LS, without moonroof  
6: GS, with moonroof and passenger  
airbag

Check Digit P: 1993

Model Year P: 1993

Factory Code C: Saitama Factory in Japan

Serial Number \_\_\_\_\_

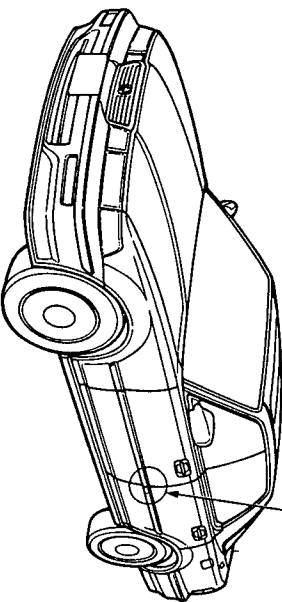
Engine Number G25A1-2000001

Engine Type \_\_\_\_\_

Emission Group 20: California  
23: 49ST

Serial Number California: 00001 ~  
49ST : 00006 ~

Paint Code  
**COLOR**  
**BG-30P**



Transmission Number (Manual Transmission) L3A3-2000001

Transmission Type \_\_\_\_\_

Serial Number \_\_\_\_\_

Transmission Number (Automatic Transmission) MPWA-6000001

Transmission Type \_\_\_\_\_

Serial Number \_\_\_\_\_

Paint Code	Color
BG-30P	Arcadia Green Pearl
NH-503P	Granada Black Pearl
NH-536M	Solaris Silver Metallic
NH-538	Frost White
R-82P	Cassis Red Pearl
RP-18P	Regal Plum Pearl

Vehicle Identification Number and Federal Motor Vehicle Safety Standard Certification

## CANADA Model

Vehicle Identification Number JH4CC254\*PC800001

Manufacturer, Make and Type of Vehicle JH4: HONDA MOTOR CO., LTD.  
ACURA Passenger car

Body Type CC2: VIGOR 4-Door Hardtop/  
G25A1

Body and Transmission Type 5:4-Door Hardtop/5-speed Manual  
6:4-Door Hardtop/4-speed Automatic

Vehicle Grade 4: LS, without moonroof  
6: GS, with moonroof and passenger  
airbag

Check Digit \_\_\_\_\_

Model Year P: 1993

Factory Code C: Saitama Factory in Japan

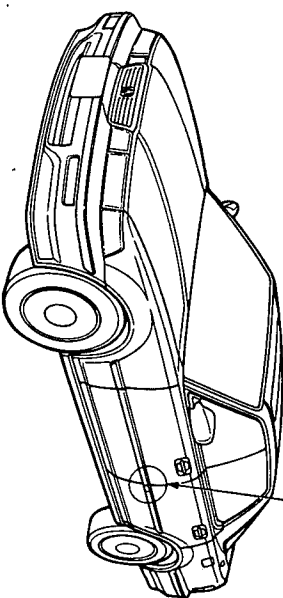
Serial Number \_\_\_\_\_

Engine Number G25A1-2800001

Engine Type \_\_\_\_\_

Serial Number \_\_\_\_\_

Paint Code  
**COLOR**  
**BG-30P**



Transmission Number (Manual Transmission) L3A3-2000001

Transmission Type \_\_\_\_\_

Serial Number \_\_\_\_\_

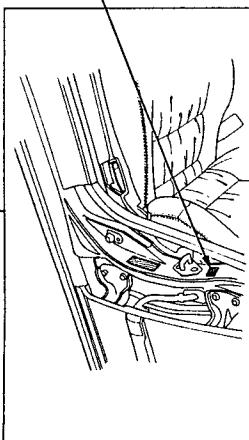
Transmission Number (Automatic Transmission) MPWA-6000001

Transmission Type \_\_\_\_\_

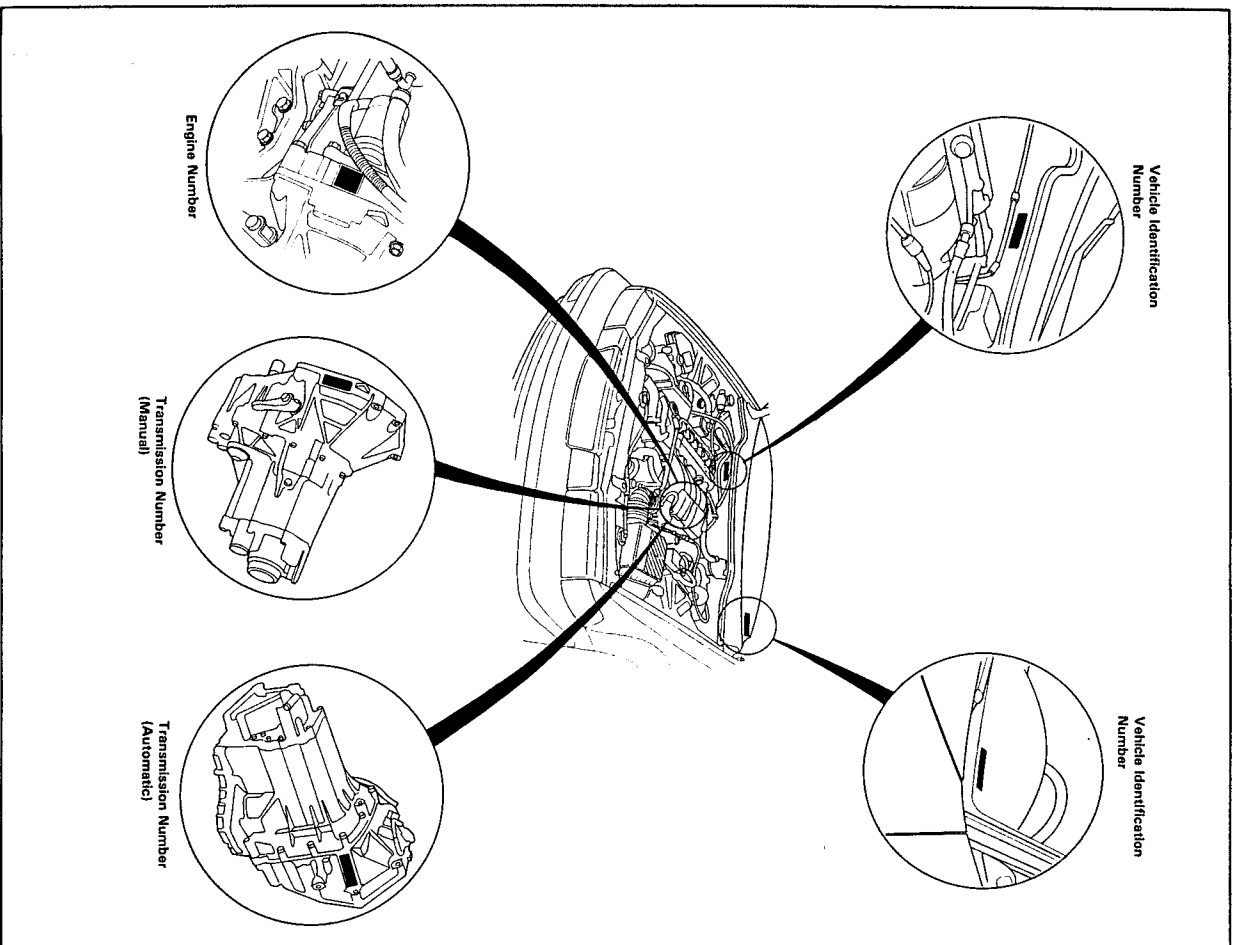
Serial Number \_\_\_\_\_

Paint Code	Color
BG-30P	Arcadia Green Pearl
NH-503P	Granada Black Pearl
NH-536M	Solaris Silver Metallic
NH-538	Frost White
RP-18P	Regal Plum Pearl
RP-20M	Vineyard Gray Metallic

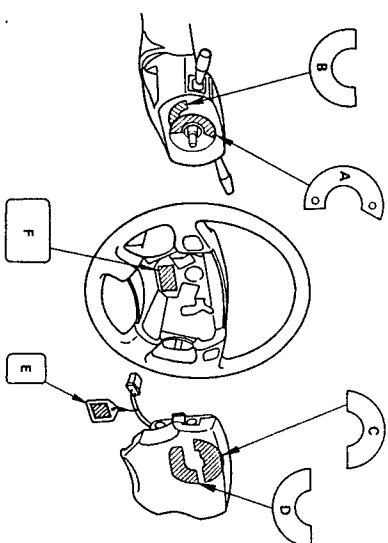
Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification



## Identification Number Locations



## Warning/ Caution Label Locations



### A: CABLE REEL CAUTION A

**CAUTION:** **SRS**  
BEFORE INSTALLING CABLE REEL:  

- CENTER THE FRONT WHEELS.
- ALIGN THE MARKS.
- READ SERVICE MANUAL.

### B: CABLE REEL CAUTION B

**CAUTION:** **SRS**  
NO SERVICEABLE PARTS INSIDE. DO NOT  
DISASSEMBLE OR TAMPER.

### C: DRIVER MODULE DANGER

**▲ DANGER**  
EXPLOSIVE/FLAMMABLE  
CONTACT WITH ACID, WATER OR HEAVY  
METALS SUCH AS COPPER, LEAD OR MERCURY  
MAY PRODUCE HARMFUL AND IRRITATING  
GASES OR EXPLOSIVE COMPOUNDS. STORAGE  
TEMPERATURES MUST NOT EXCEED 200°F  
(100°C) FOR PROPER HANDLING, STORAGE AND  
DISPOSAL PROCEDURES REFER TO SERVICE  
MANUAL, SRS SUPPLEMENT.  
POISON  
CONTAINS POISONOUS SODIUM AZIDE AND  
POTASSIUM NITRATE.  
FIRST AID  
IF CONTENTS ARE SWALLOWED, INDUCE  
VOMITING.  
FOR EYE CONTACT, FLUSH EYES WITH WATER  
FOR 15 MINUTES. IF GASES (FROM ACID OR  
WATER CONTACT) ARE INHALED, SEEK FRESH  
AIR. IN EVERY CASE, GET PROMPT MEDICAL  
ATTENTION.  
KEEP OUT OF REACH OF CHILDREN.

### D: DRIVER MODULE WARNING

**▲ 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.

### E: INFLATOR WARNING TAG

**▲ WARNING**  
ACCIDENTAL AIRBAG DEPLOYMENT CAN  
SERIOUSLY HURT OR KILL YOU. INSTALL THE RED  
SERVICE CONNECTOR WHEN THE INFLATOR  
HARNES IS DISCONNECTED.

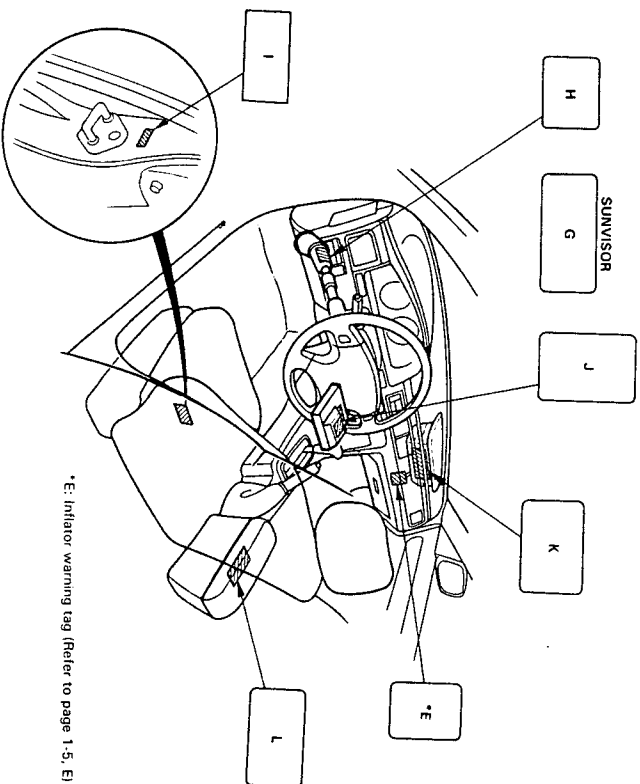
### F: STEERING WHEEL NOTICE

**NOTICE**  
IMPROPER STEERING WHEEL REMOVAL OR  
INSTALLATION CAN DAMAGE SRS COMPONENTS.  
FOLLOW SERVICE MANUAL INSTRUCTION  
CAREFULLY.



# Warning/Caution Label Locations

(cont'd)



## G: DRIVER INFORMATION

- SRS ALWAYS WEAR YOUR SEAT BELT
- THIS CAR IS EQUIPPED WITH A DRIVER AIRBAG AS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS).
- IT IS DESIGNED TO SUPPLEMENT THE SEAT BELT.
- BEFORE DRIVING READ LABEL INSIDE THE CONSOLE BOX.

## \*G: DRIVER INFORMATION

- SRS ALWAYS WEAR YOUR SEAT BELT
- THIS CAR IS EQUIPPED WITH A DRIVER AIRBAG AND A FRONT SEAT PASSENGER AIRBAG AS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS).
- IT IS DESIGNED TO SUPPLEMENT THE SEAT BELT.
- BEFORE DRIVING READ LABEL INSIDE THE CONSOLE BOX.

## H: STEERING COLUMN NOTICE

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

## I: LABEL AIRBAG

## J: SRS UNIT CAUTION

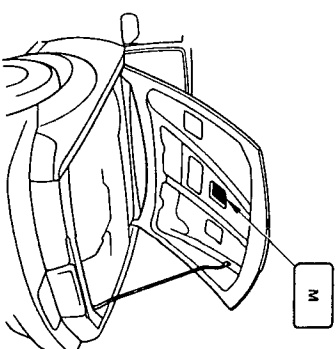
- CAUTION SRS
- NO SERVICEABLE PARTS INSIDE.
  - DO NOT DISASSEMBLE OR TAMPER.
  - DO NOT DROP.
  - STORE IN A CLEAN, DRY AREA.

## K: FRONT SEAT PASSENGER AIRBAG MODULE DANGER

- ▲ DANGER  
EXPLOSIVE/FLAMMABLE  
CONTACT WITH ACID, WATER OR HEAVY METALS SUCH AS COPPER, LEAD OR MERCURY MAY PRODUCE HARMFUL AND IRRITATING GASES OR EXPLOSIVE COMPOUNDS. STORAGE TEMPERATURES MUST NOT EXCEED 200°F (100°C) FOR PROPER HANDLING, STORAGE AND DISPOSAL PROCEDURES. REFER TO SERVICE MANUAL, SRS SUPPLEMENT.
- POISON  
CONTAINS POISONOUS SODIUM AZIDE AND POTASSIUM NITRATE.
- FIRST AID  
IF CONTENTS ARE SWALLOWED, INDUCE VOMITING.  
FOR EYE CONTACT, FLUSH EYES WITH WATER FOR 15 MINUTES. IF GASES (FROM ACID OR WATER CONTACT) ARE INHALED, SEEK FRESH AIR. 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.

## L: SRS CONSOLE INFORMATION

- AIRBAG INFORMATION  
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)
- THE SRS MUST BE INSPECTED TEN YEARS AFTER IT IS INSTALLED. THE DATE OF INSTALLATION IS SHOWN ON THE CERTIFICATION PLATE LOCATED ON THE DRIVER'S DOORJAMB.
  - DIAGNOSTIC CHECKS AND REPLACEMENT OF SRS COMPONENTS MUST BE DONE BY AN AUTHORIZED DEALER.
  - SEE YOUR OWNER'S MANUAL FOR ADDITIONAL SRS INFORMATION.



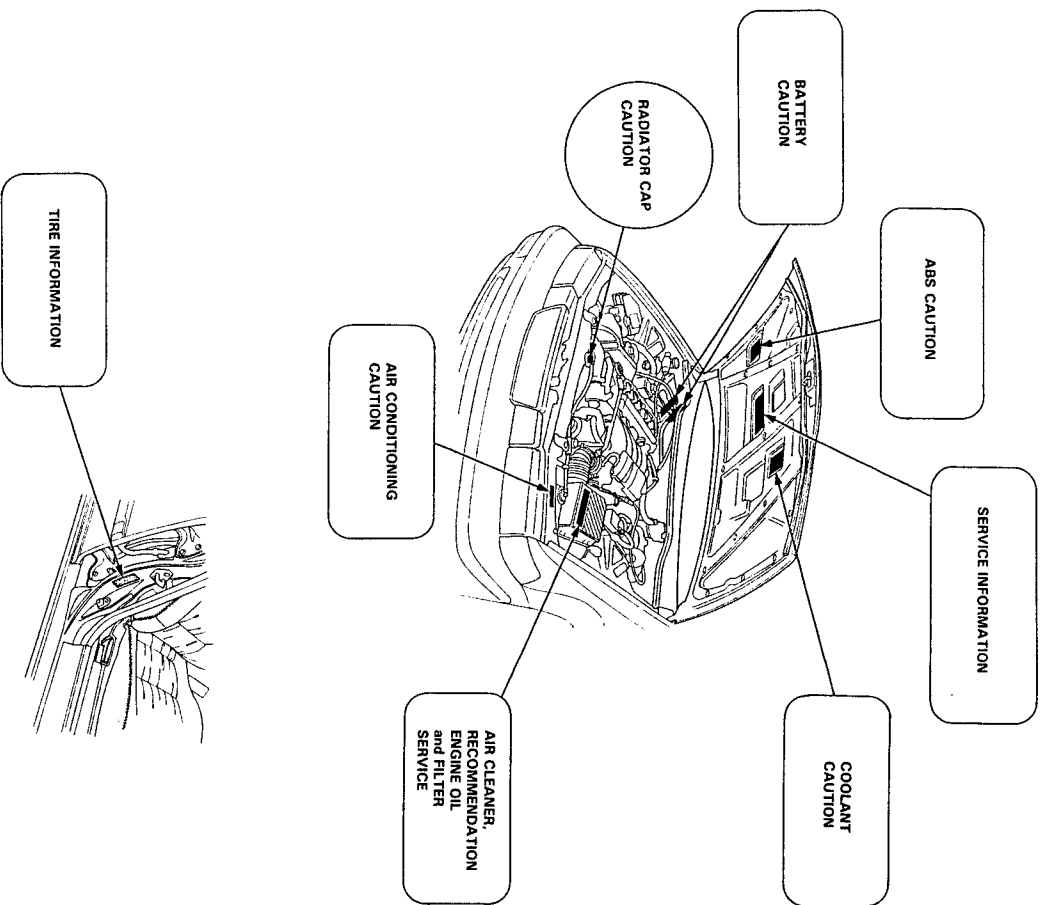
## M: SRS WARNING (ENGINE HOOD)

- SUPPLEMENTAL RESTRAINT SYSTEM (SRS)  
THIS VEHICLE IS EQUIPPED WITH DRIVER AND FRONT SEAT PASSENGER AIRBAGS AND FRONT SEAT BELT TENSIONER SYSTEMS. ALL SRS ELECTRICAL WIRING AND CONNECTORS ARE COLORED YELLOW.
- ▲ WARNING  
THE AIRBAG INFLATOR IS EXPLOSIVE AND, IF ACCIDENTALLY DEPLOYED, CAN SERIOUSLY HURT YOU.  
FOLLOW SERVICE MANUAL INSTRUCTIONS CAREFULLY.

(cont'd)

## Warning/Caution Label Locations

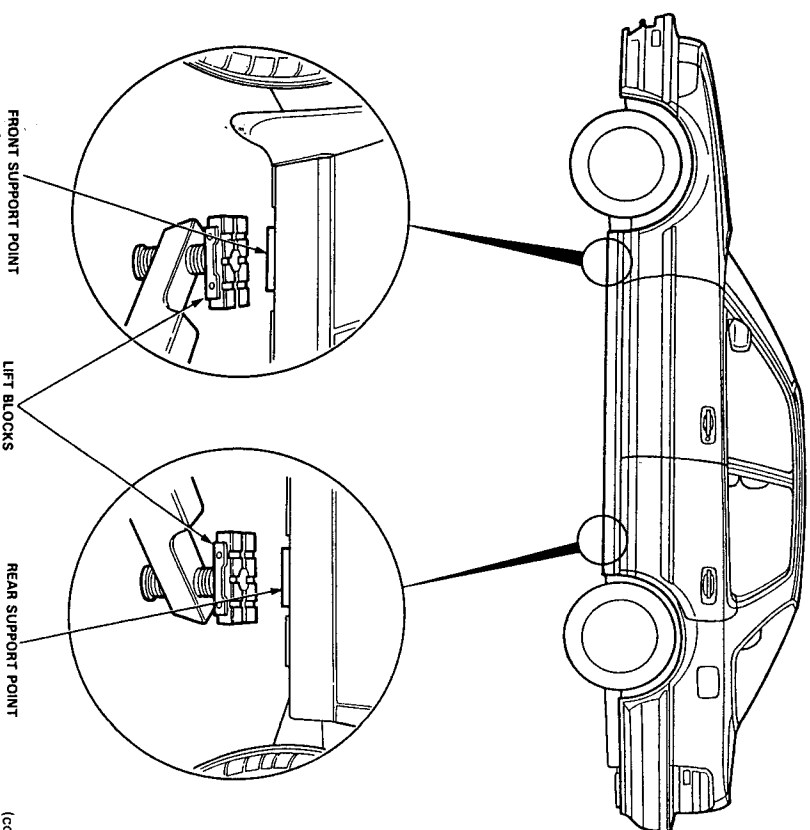
(cont'd)



## Lift and Support Points

Lift

1. Place the lift blocks as shown.
2. Raise the hoist a few inches and rock the car to be sure it is firmly supported.
3. Raise the hoist to full height and inspect lift points for solid support.



(cont'd)



## Lift and Support Points

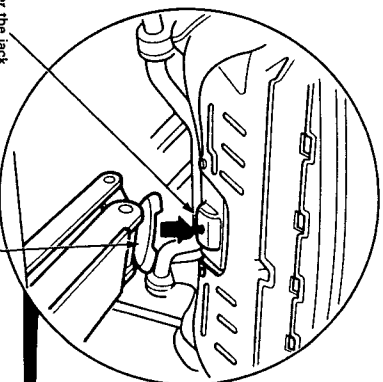
### Floor Jack

1. Set the parking brake and block the wheels that are not being lifted.
2. When lifting the rear of the car, put the gearshift lever in reverse (Automatic transmission in **P** position).
3. Raise the car high enough to insert the safety stands.
4. Adjust and place the safety stands as shown on page 1-11 so the car will be approximately level, then lower the car onto them.

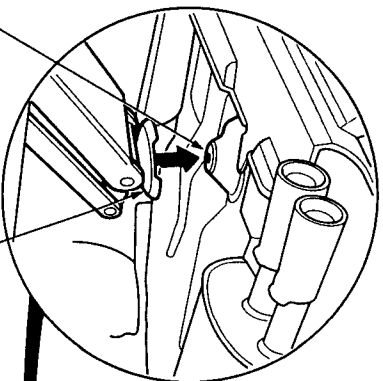
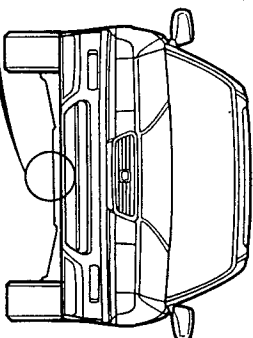
Front \_\_\_\_\_

Rear \_\_\_\_\_

- WARNING**
- Always use safety stands when working on or under any vehicle that is supported by only a jack.
  - Never attempt to use a bumper jack for lifting or supporting the car.

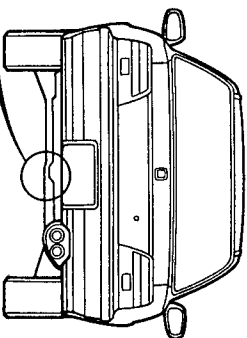


JACK LIFT PLATFORM

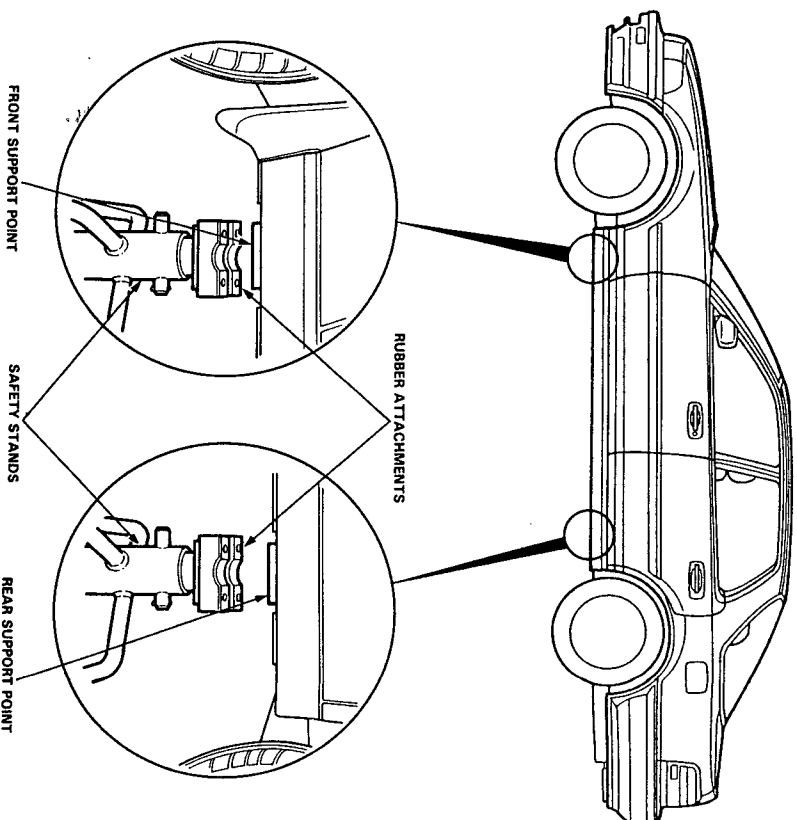


Center the jack bracket in the middle of the jack lift platform.

JACK LIFT PLATFORM



### Safety Stands



RUBBER ATTACHMENTS

FRONT SUPPORT POINT

SAFETY STANDS

REAR SUPPORT POINT



## Towing

If the car needs to be towed, call a professional towing service. Never tow the car behind another car with just a rope or chain. It is very dangerous.

### Emergency Towing

There are three popular methods of towing a car:

**Flat-bed Equipment** — The operator loads the car on the back of a truck. This is the best way of transporting the car.

**Wheel Lift Equipment** — The tow truck uses two pivoting arms that go under the tires (front or rear) and lifts them off the ground. The other two wheels remain on the ground.

**Sling-type Equipment** — The tow truck uses metal cables with hooks on the ends. These hooks go around parts of the frame or suspension and the cables lift that end of the car off the ground. The car's suspension and body can be seriously damaged if this method of towing is attempted.

If the car cannot be transported by flat-bed, it should be towed with the front wheels off the ground. If due to damage, the car must be towed with the front wheels on the ground, do the following:

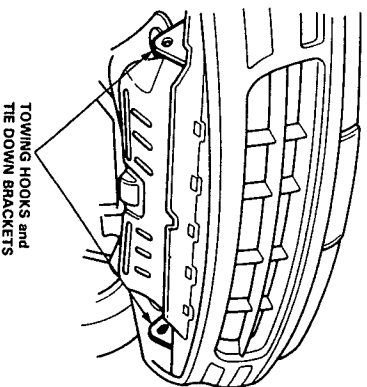
- 5-speed Manual Transmission
- Release the parking brake.
- Shift the transmission to neutral.
- Automatic Transmission
- Release the parking brake.
- Start the engine.
- Shift to **[D2]** position, then to **[N]** position.
- Turn off the engine.

**NOTICE:** Improper towing preparation will damage the transmission. Follow the above procedure exactly. If you can not shift the transmission or start the engine (automatic transmission), the car must be transported on a flat-bed.

- It is best to tow the car no farther than 50 miles (80 km), and keep the speed below 35 mph (55 km/h).

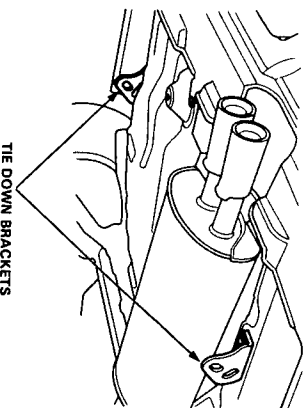
**NOTICE:** Trying to lift or tow the car by the bumpers will cause serious damage. The bumpers are not designed to support the car's weight.

Front:



TOWING HOOKS and TIE DOWN BRACKETS

Rear:



TIE DOWN BRACKETS

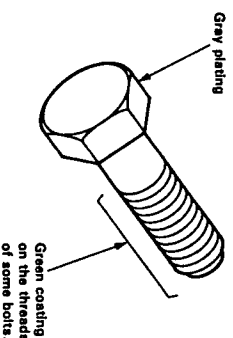
## Service Precautions

### Handling of Special Nuts and Bolts

Because the front sub frame sections on this car are constructed with aluminum alloys, use only the special "Dacro" type nuts and bolts recommended by Acura.

#### NOTE:

- Dacro finish can be identified by gray plating.
- Some Dacro finish bolts have a green coating on the thread section of the bolt for easier application. This type of bolt is called a "Torquer" bolt.
- Use of other types of nuts and bolts may cause electrolysis and corrosion which in turn could cause the bolt to loosen.



Gray plating: "Dacro" type  
Gray plating + Green coating on the threads:  
"Torquer" type

1. When replacing nuts and bolts, use only the same type.
2. Tighten the nuts and bolts with a torque wrench to the specifications provided in this manual.
3. Clean all thread ridges with a non wire type bristle brush. Foreign matter in the threads may cause the bolt to loosen.
4. Sections on this car requiring the use of Dacro nuts and bolts will be indicated by a (\*) in this manual.

