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MDX
Service Manual 2007



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General Information

Chassis and Paint Codes

Vehicle Identification Number

2HN YD2 8 2 * 7 H 500001

a b c d e f g h

a. Manufacturer, Make and Type of Vehicle

2NH: Honda of Canada Mfg.,
Honda Canada Inc.,
Acura Multipurpose passenger vehicle

b. Line, Body and Engine Type

YD2: Acura MDX/J37A1

c. Body Type and Transmission Type

8: 5-door/5-speed Automatic

d. Vehicle Grade (Series)

USA models

2: MDX

3: TECH

4: TECH with Rear Entertainment System

5: SPORT

8: SPORT with Rear Entertainment System

Canada Model

2: MDX

5: TECH

8: ELITE

e. Check Digit

f. Model Year

7: '07

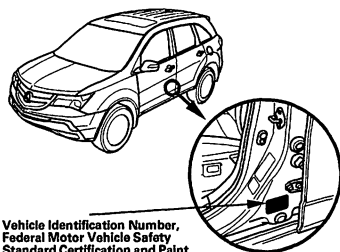
g. Factory Code

H: Alliston, Ontario Factory in Canada

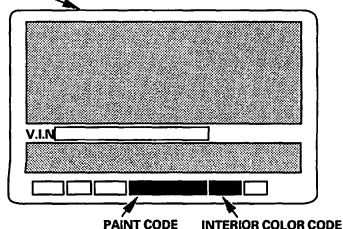
h. Serial Number

000001—: Canada models

500001—: USA models



Vehicle Identification Number,
Federal Motor Vehicle Safety
Standard Certification and Paint
Code.
Vehicle Identification Number,
Canadian Motor Vehicle Safety
Standard Certification.



PAINT CODE INTERIOR COLOR CODE

Engine Number

J37A1 - 1000001

a b

a. Engine Type

J37A1: 3.7 L SOHC VTEC Sequential Multiport
Fuel-injected engine

b. Serial Number

Transmission Number

BYFA - 9000001

a b

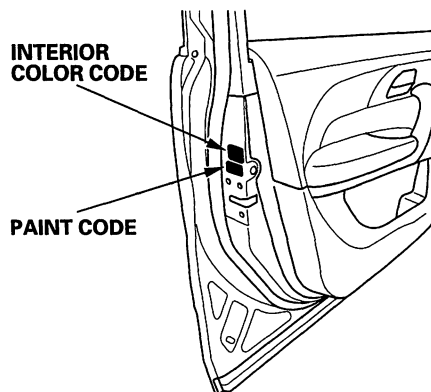
a. Transmission Type

BYFA: 5-speed Automatic

b. Serial Number

Paint Code

Code	Color	USA models	Canada models
B-533M	Steel Blue Metallic	☐	☐
G-525M	Aberdeen Green Metallic	☐	☐
NH-578	Taffeta White	☐	☐
NH-677P	Aspen White Pearl	☐	☐
NH-689M	Billet Silver Metallic	☐	☐
NH-705M	Nimbus Gray Metallic	☐	☐
NH-707	Formal Black	☐	☐
R-529P	Dark Cherry Pearl	☐	☐
YR-545M	Desert Rock Metallic	☐	☐

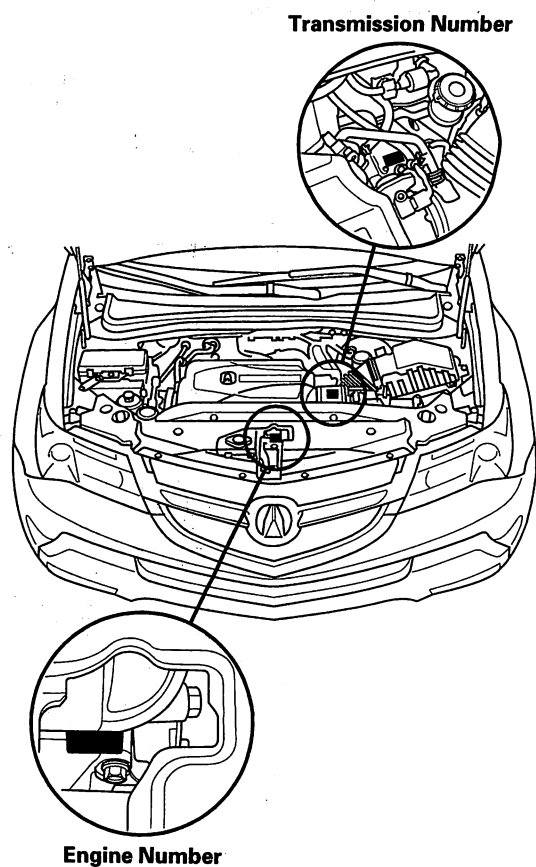
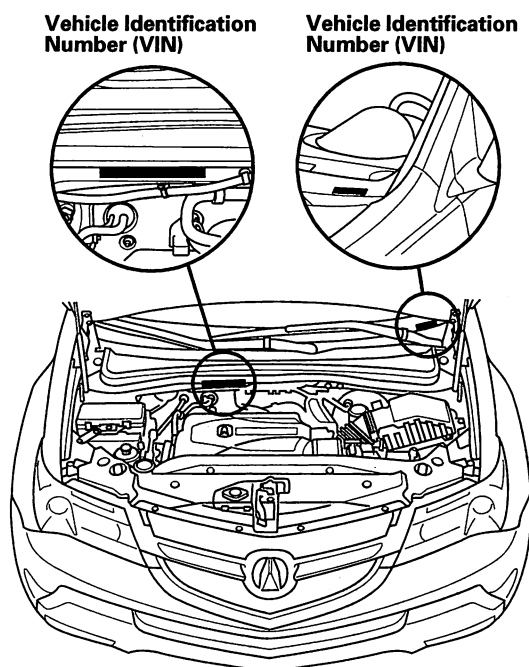


INTERIOR
COLOR CODE

PAINT CODE



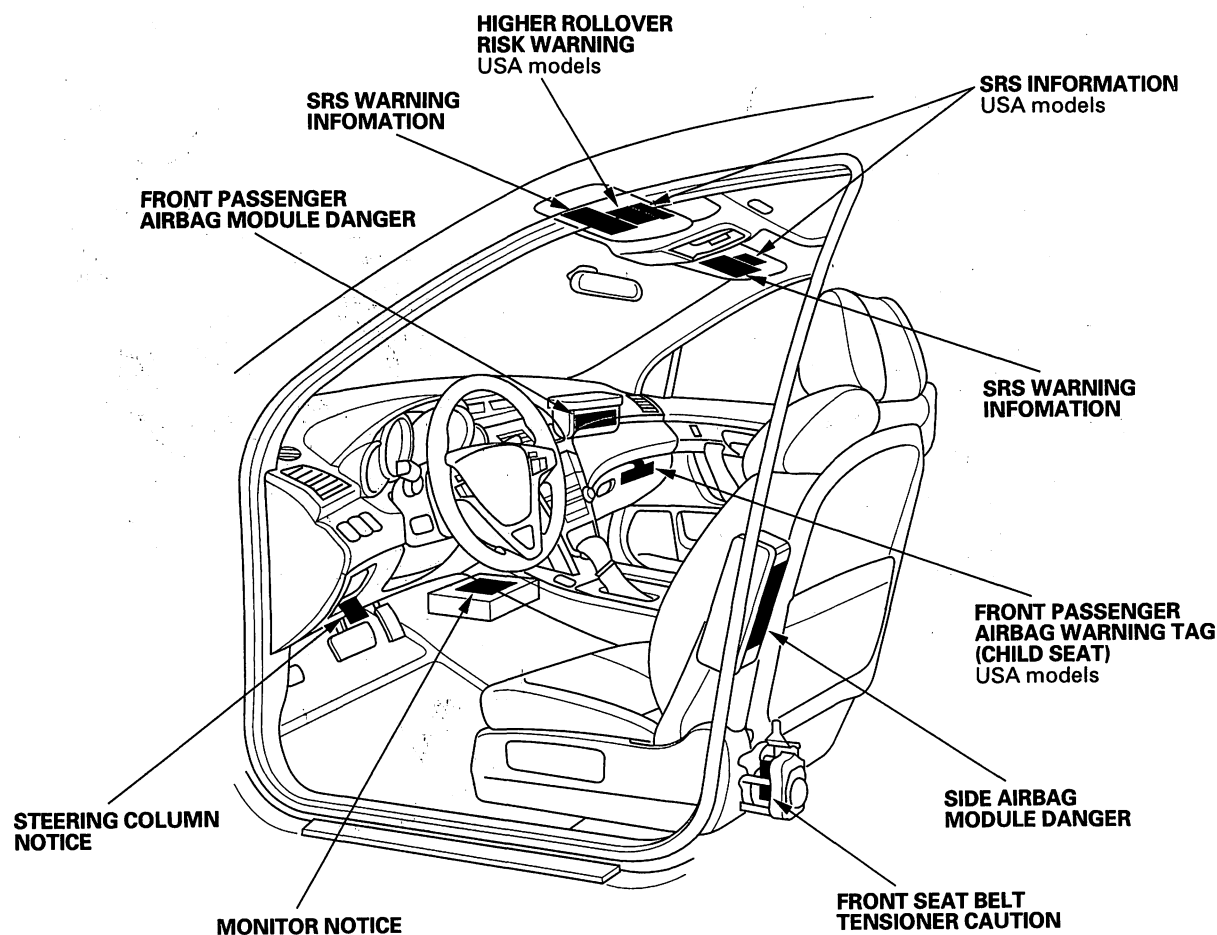
Identification Number Locations



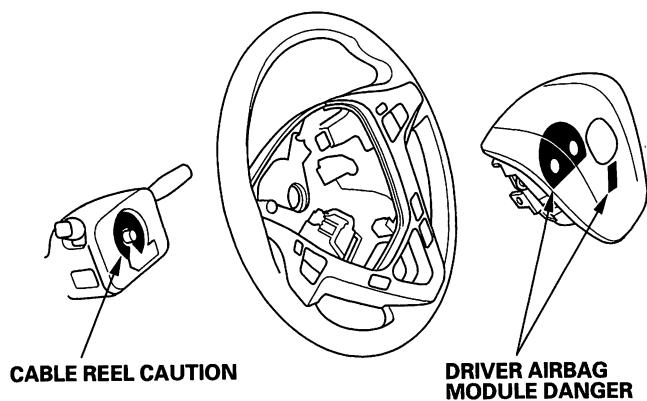
General Information

Danger/Warning/Caution Label Locations

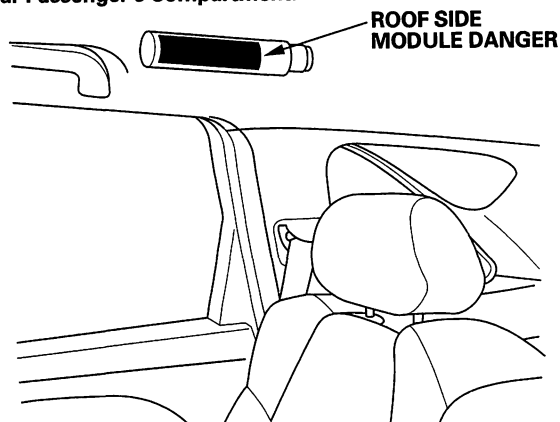
Front Passenger's Compartment:

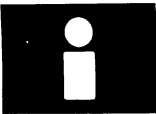


Steering Wheel:

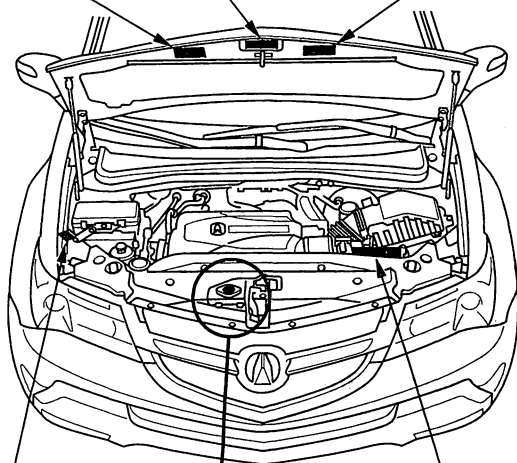


Rear Passenger's Compartment:



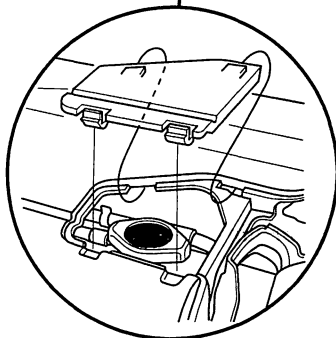


SRS WARNING
RADIATOR INFORMATION
SERVICE INFORMATION
(Under-hood Emission Control Information)



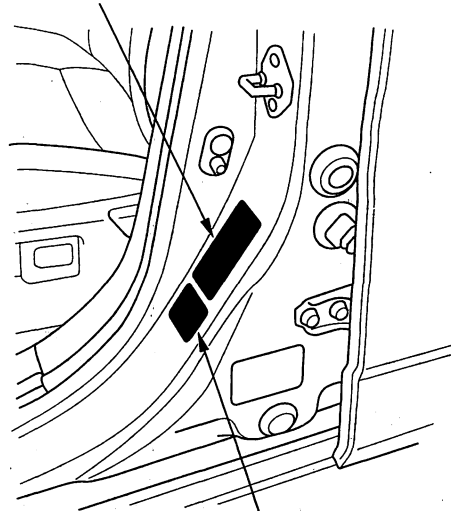
AIR CONDITIONING INFORMATION

BATTERY DANGER



RADIATOR CAP DANGER

TIRE INFORMATION



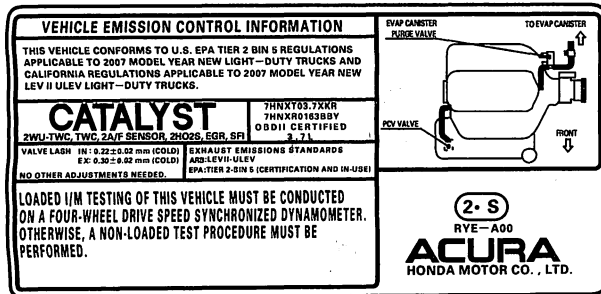
SIDE AIRBAG CAUTION
Located on driver's and passenger's doorjamb (not shown)

General Information

Under-hood Emission Control Label

Emission Group Identification

Example:



FEDERAL in CANADA

THIS VEHICLE CONFORMS TO U.S. EPA TIER 2 BIN 5 REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW LIGHT-DUTY TRUCKS AND CALIFORNIA REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW LEV II ULEV LIGHT-DUTY TRUCKS.

Test Group and Evaporative Family

Test Group:

7 HNX T 03.7 XKR
a b c d e

- a. Model Year
7: '07
- b. Manufacturer Subcode
HNX: HONDA
- c. Family Type
T: LDT
- d. Displacement Group
03.7
- e. Sequence Characters
XKR

Evaporative Family:

7 HNX R 0163 BBY
a b c d e

- a. Model Year
7: '07
- b. Manufacturer Subcode
HNX: HONDA
- c. Family Type
R: Refueling
- d. Canister Work Capacity
0163
- e. Sequence Characters
BBY

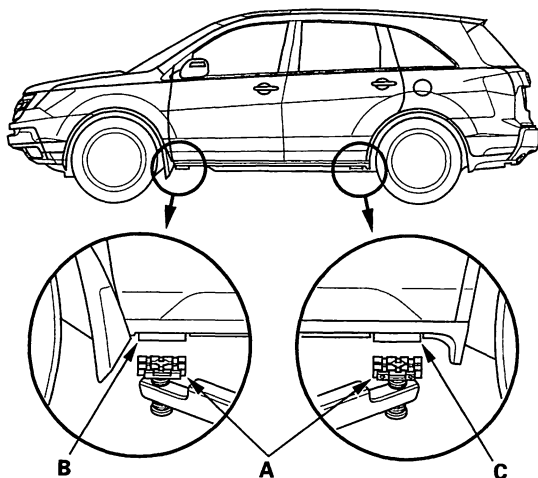


Lift and Support Points

NOTE: If you are going to remove heavy components such as the suspension or the fuel tank from the rear of the vehicle, first support the front of the vehicle with tall safety stands. When substantial weight is removed from the rear of the vehicle, the center of gravity can change causing the vehicle to tip forward on the lift.

Vehicle Lift

1. Position the hoist lift blocks (A) under the vehicle's front support points (B) and rear support points (C).



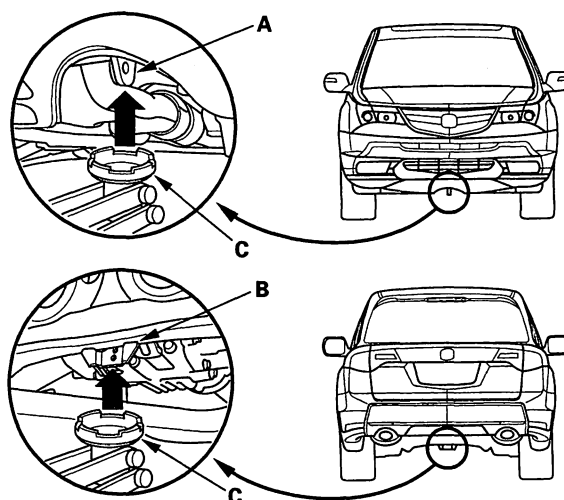
2. Raise the lift a few inches, and rock the vehicle gently to be sure it is firmly supported.
3. Raise the lift to its full height, and inspect the vehicle support points for solid contact with the lift blocks.

Safety Stands

To support the vehicle on safety stands, use the same support points (B and C) as for a vehicle lift. Always use safety stands when working on or under any vehicle that is supported only by a jack.

Floor Jack

1. When lifting the front of the vehicle, set the parking brake. When lifting the rear of the vehicle, put the gearshift lever in the P position.
2. Block the wheels that are not being lifted.
3. Position the floor jack under the front jacking bracket (A) or the rear jacking bracket (B). Center the jacking bracket on the jack lift platform (C) and jack up the vehicle high enough to fit the safety stands under it.



4. Position the safety stands under the support points and adjust them so the vehicle is level.
5. Lower the vehicle onto the stands.

General Information

Towing

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

Emergency Towing

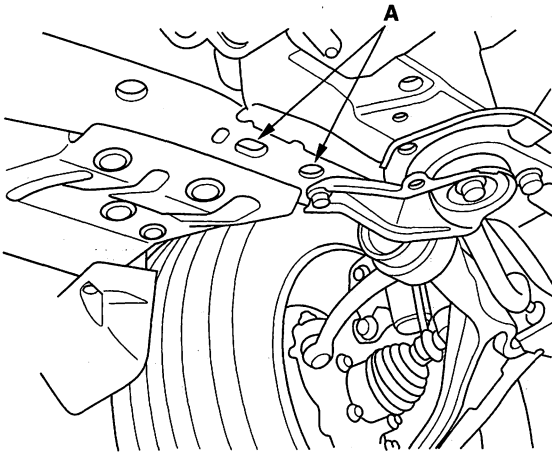
There are three popular methods of towing a vehicle.

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

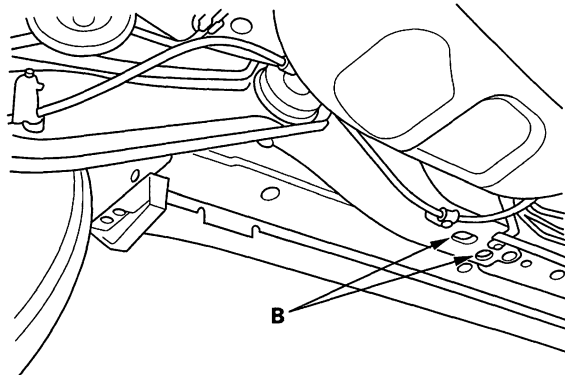
To accommodate flat-bed equipment, the vehicle is equipped with front tie down hook slots (A), and rear tie down hook slots (B).

The tie down hook slots can be used secure the vehicle to the truck.

Front:



Rear:



Towing Hook Installation

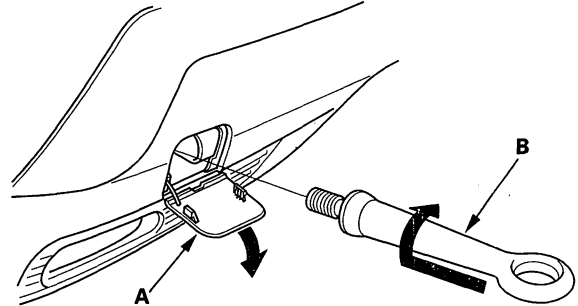
The detachable front towing hook is for towing very short distance, such as freeing the car. The hook mounts to the anchor in the front and rear bumper.

NOTICE

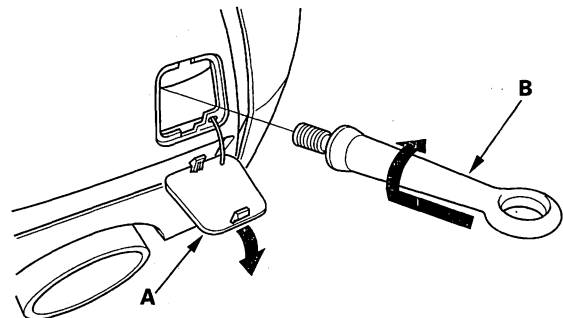
- To avoid damage to the vehicle, use the towing hook for straight flat ground towing only. Do not tow on an angle.
- The tow hook should not be used to tow the vehicle onto a flat-bed. Do not use it as a tie down.

1. Remove the cover (A) from the front bumper.

Front bumper:



Rear bumper:



2. Remove the towing hook placed behind a cover under the cargo area.
3. Screw in the towing hook (B), and tighten it securely by hand.

Wheel Lift Equipment — The tow truck uses two pivoting arms that go under the tires (front or rear) and lift them off the ground. The other two wheels remain on the ground. **Never tow the vehicle with wheel lift equipment.**

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 vehicle off the ground. The vehicle's suspension and body can be seriously damaged if this method of towing is attempted. **This method of towing the vehicle is unacceptable.**

The only recommended way of towing the vehicle is on a flat-bed truck.

NOTICE

- Towing the vehicle with only two wheels on the ground will damage parts of the SH-AWD system. If the vehicle is damaged, it should be towed on a flat-bed truck or trailer.
- Trying to lift or tow the vehicle by the bumpers will cause serious damage. The bumpers are not designed to support the vehicle's weight.

General Information

Parts Marking

To deter vehicle theft, certain major components are marked with the vehicle identification number (VIN). Original parts have self-adhesive labels. Replacement body parts have generic self-adhesive labels. These labels should not be removed. The original engine or transmission VIN plates are not transferable to the replacement engine or transmission.

NOTE: Be careful not to damage the parts marking labels during body repair. Mask the labels before repairing the part.

Precautions for Super Handling All Wheel Drive (SH-AWD) System

This vehicle is equipped with the Super Handling All Wheel Drive (SH-AWD) system. The SH-AWD system distributes driving torque between the front and rear wheels when accelerating and when wheel spin occurs.

The SH-AWD system does not have a manual switch to disable the AWD system. Whenever service work requires spinning the front or rear wheels with the engine, always lift up and support the vehicle so all four wheels are off the ground.