



**KIA MOTORS**

# *Sportage*

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2001 Owner's Manual

## Kia, The Company

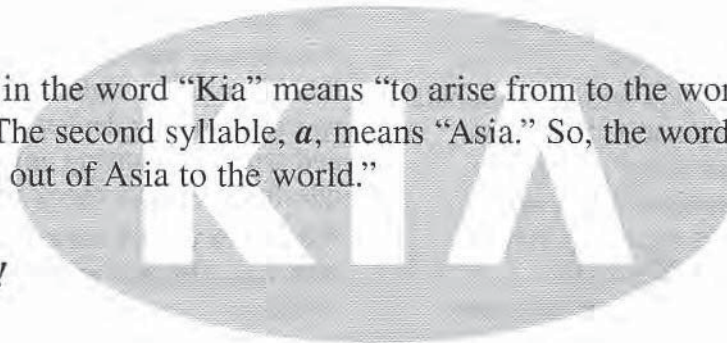
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Now that you are the owner of a Kia Sportage, you'll probably be asked a lot of questions about your vehicle and the company like "Who is Kia?", "What does 'Kia'" mean?".

Here are some answers. First, Kia is the oldest car company in Korea. It's a company that has thousands of employees focused on building high-quality vehicles at affordable prices.

The first syllable, **Ki**, in the word "Kia" means "to arise from to the world" or "to come up out of to the world." The second syllable, **a**, means "Asia." So, the word **Kia**, means "to arise from" or "to come up out of Asia to the world."

*Enjoy your Sportage!*



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## Foreword

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Thank you for choosing a Kia vehicle.

When you require service, remember that your dealer knows your vehicle best. Your dealer has factory-trained technicians, recommended special tools, genuine Kia replacement parts and is dedicated to your complete satisfaction.

Because subsequent owners require this important information as well, this publication should remain with the vehicle if it is sold.

This manual will familiarize you with operational, maintenance and safety information about your new vehicle. It is supplemented by a Warranty Information manual that provides important information on all warranties regarding your vehicle: New Vehicle Limited Warranty, Powertrain Limited Warranty, Limited Warranty Covering Perforation from Corrosion, and Emission Control System Warranty. If your vehicle is equipped with an audio system, you will also have a Kia Integrated Audio System manual explaining its operation. We urge you to read these publications carefully and follow the

recommendations to help assure enjoyable and safe operation of your new vehicle.

Kia offers a great variety of options, components and features for its various models.

Therefore, the equipment described in this manual, along with the various illustrations, may not all be applicable to your particular vehicle. The information and specifications provided in this manual were accurate at the time of printing. Kia reserves the right to discontinue or change specifications or design at any time without notice and without incurring any obligation. If you have questions, always check with your Kia Dealer.

We assure you of our continuing interest in your motoring pleasure and satisfaction in your Kia vehicle.

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Printed in Korea

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## Introduction

How To Use This Manual .....	1-2
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## Introduction

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### How To Use This Manual

We want to help you get the greatest possible driving pleasure from your vehicle. Your Owner's Manual can assist you in many ways. **We strongly urge that you review the entire manual.**

**However, in order to prevent death or injury, at the very least, you must review the WARNING and CAUTION sections spread throughout the manual, which are easily recognized by their special markings listed below.**

Illustrations complement the words in this manual to best explain how to enjoy your vehicle. By reading your manual, you learn about features, important safety information, and driving under various road conditions.

The general layout of the manual is provided in the Table of Contents. A good place to start is the index; it has an alphabetical listing of all information in your manual.

Sections: This manual has eight sections plus an index. Each section begins with a brief list of contents so you can tell at a glance if that section has the information you want.

You'll find various WARNING's, CAUTION's, and NOTICE's in this manual. These WARNING's, CAUTION's and NOTICE's were prepared to enhance your personal safety and continued satisfaction with your Kia Sportage. You should carefully read and follow ALL procedures and recommendations provided in these WARNING's, CAUTION's and NOTICE's.

#### **WARNING**

**A WARNING indicates a situation in which serious bodily injury or death could result if the warning is ignored.**

#### **CAUTION**

*A CAUTION indicates a situation in which personal injury, perhaps severe, could result if the caution is ignored.*

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### **\* NOTICE**

A NOTICE indicates a situation in which damage to your vehicle could result if the notice is ignored.

### **Vehicle Handling Instructions**

As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control, an accident or vehicle rollover. Specific design characteristics (higher ground clearance, track, etc.) give this vehicle a higher center of gravity than ordinary cars. They are not designed for cornering at the same speeds as conventional 2-wheel drive vehicles. Avoid sharp turns or abrupt maneuvers. Again, failure to operate this vehicle correctly may result in loss of control, an accident or vehicle rollover. Be sure to read the “on-pavement” and “off-road” driving guidelines, Section 5 in this manual.

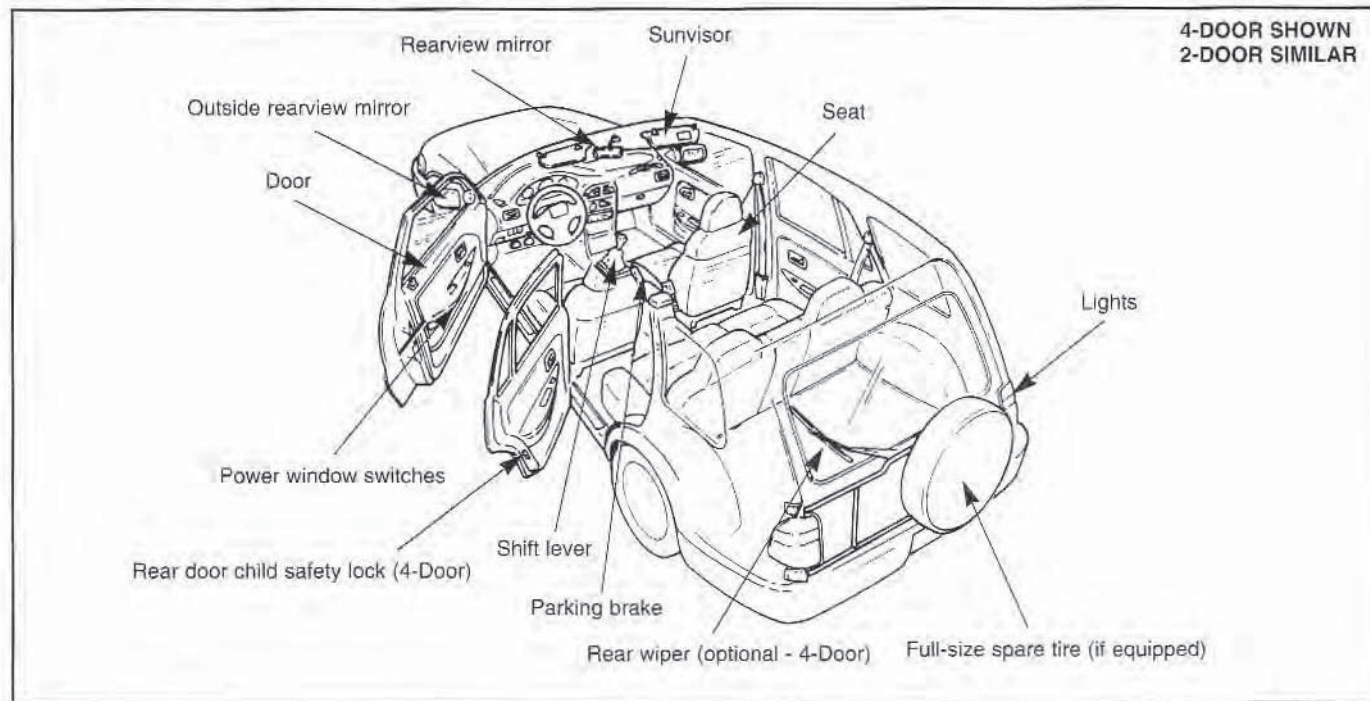
### **Vehicle Break-In Process**

No special break-in period is needed. By following a few simple precautions for the first 1000 km (600 miles) you may add to the performance, economy and life of your vehicle.

- Do not race the engine.
- Do not maintain a single speed for long periods of time, either fast or slow. Varying engine speed is needed to properly break in the engine.
- Avoid hard stops, except in emergencies, to allow the brakes to seat properly.
- Avoid full-throttle starts.

# Your Vehicle At A Glance

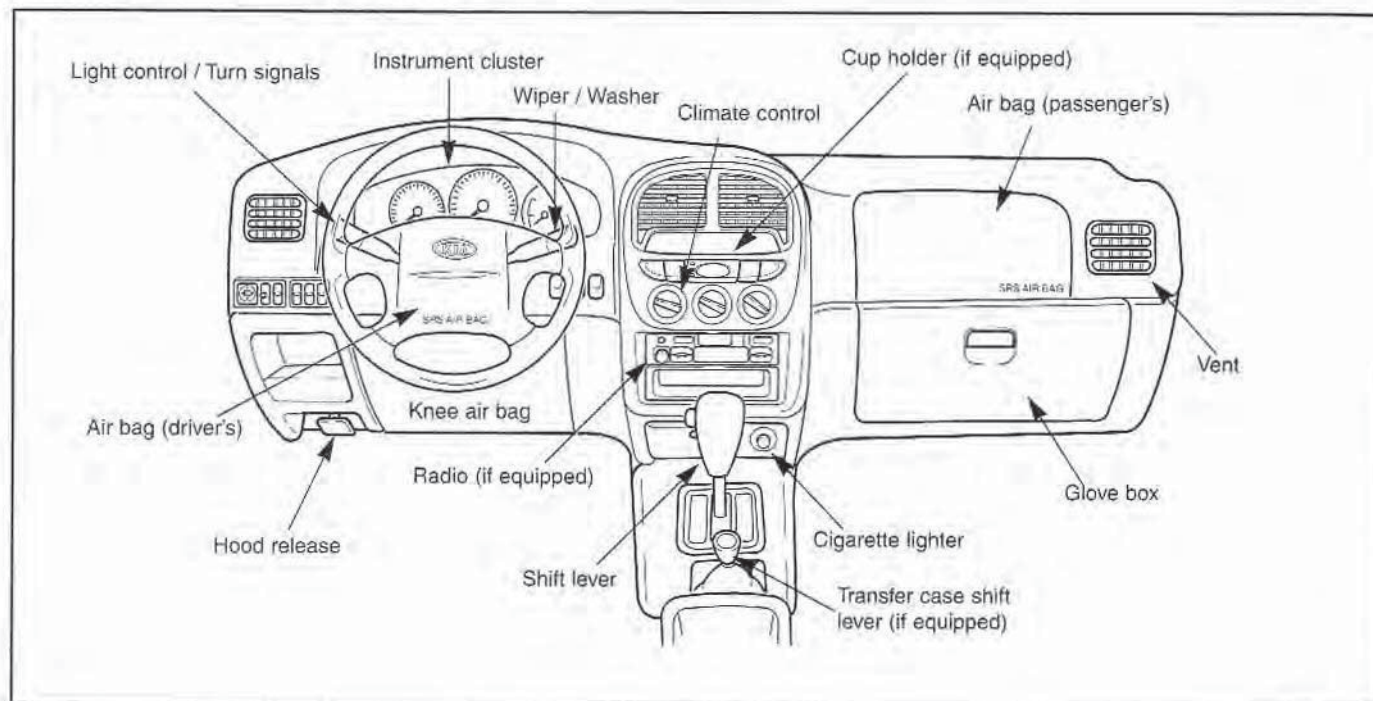
## Interior and Exterior Overview



AN7B02001



## Instrument Panel Overview



AN7B02002A

# 2000 SPORTAGE

## ELECTRICAL TROUBLESHOOTING AND VACUUM HOSE ROUTING MANUAL

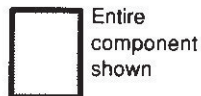
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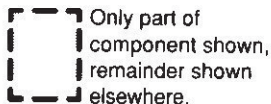
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## Symbols



Entire component shown



Only part of component shown, remainder shown elsewhere.

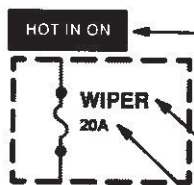


**PARK BRAKE SWITCH**  
Closed with parking brake on.

← Component name  
← Component details



Fuse



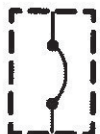
Shows voltage is present with the ignition in ON.

**WIPER**

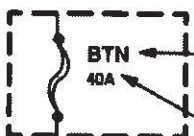
**20A**

← Identification

← Current rating



Circuit Breaker



**BTN**

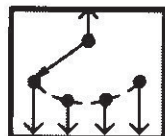
**40A**

← Fuse designation

← Current rating



Normally open switch

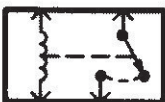


Multi-position switch



Ganged switch contacts

Dashed line shows mechanical connection.



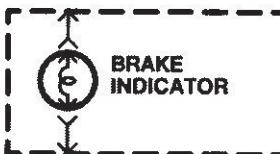
Relay, shown with no current through relay coil. When current flows through coil, contact arm changes position.



Solenoid or coil



Horn or speaker



**BRAKE INDICATOR**

Indicator light. Illuminates a symbol or words(s). (In quotes.)





Resistor



Variable resistor



Potentiometer



Capacitor



Motor



Diode. Positive current flows in arrow direction.

BLK	black	Wire and connector colors
BLU	blue	
BRN	brown	
CLR	clear	
GRN	green	
GRY	gray	
LT BLU	light blue	
LT GRN	light green	
ORG	orange	
PNK	pink	
RED	red	
WHT	white	
YEL	yellow	



Wire insulation is one color with another color stripe. (Shown, red wire with yellow stripes.)



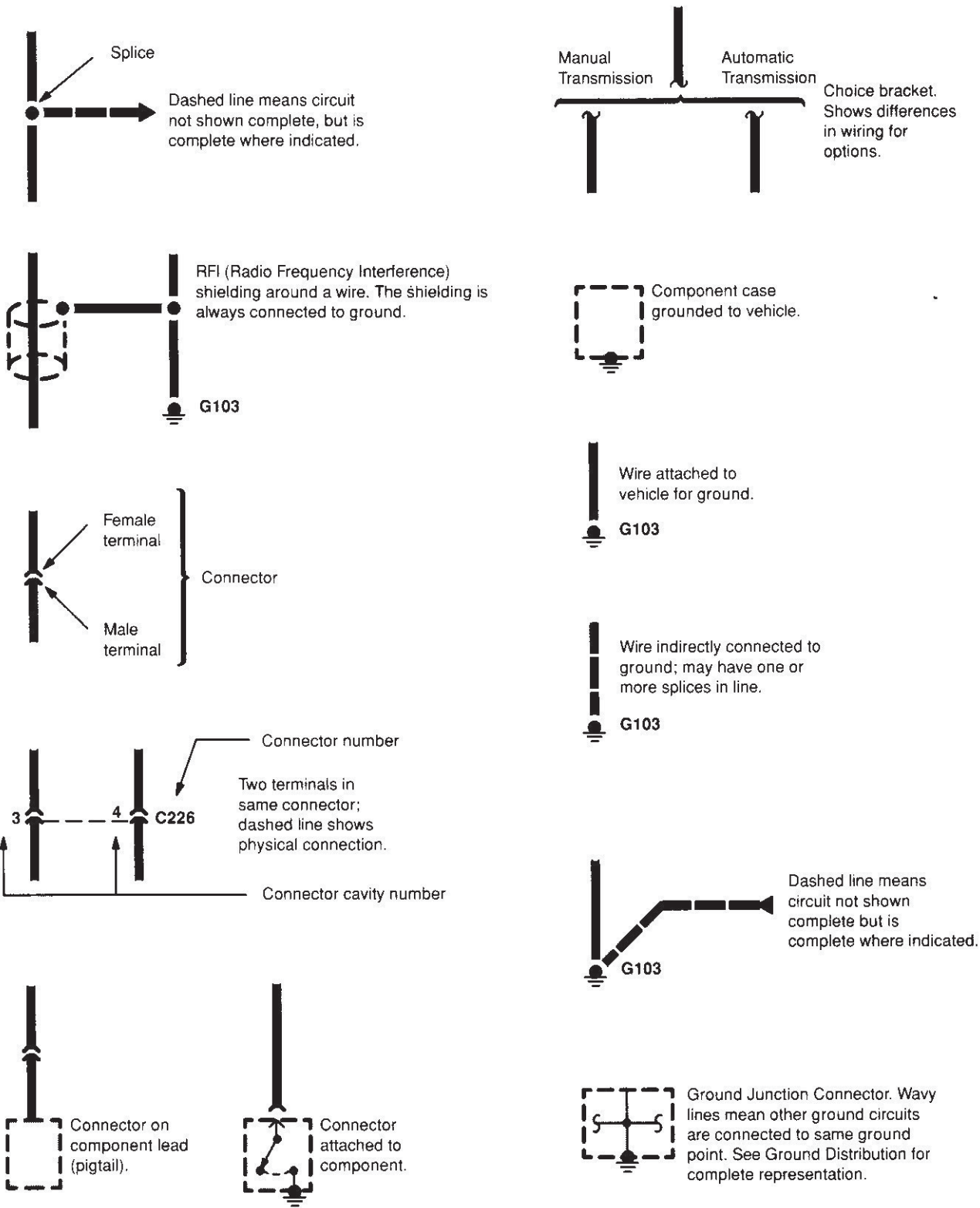
Wavy line means the wire is broken by the binding of the book but continues on the next page.



Arrow means wire connects to another circuit and shows the direction of current flow.



Circuit is continued where indicated; arrow shows direction of current flow and is repeated where circuit continues.



## CIRCUIT SCHEMATICS

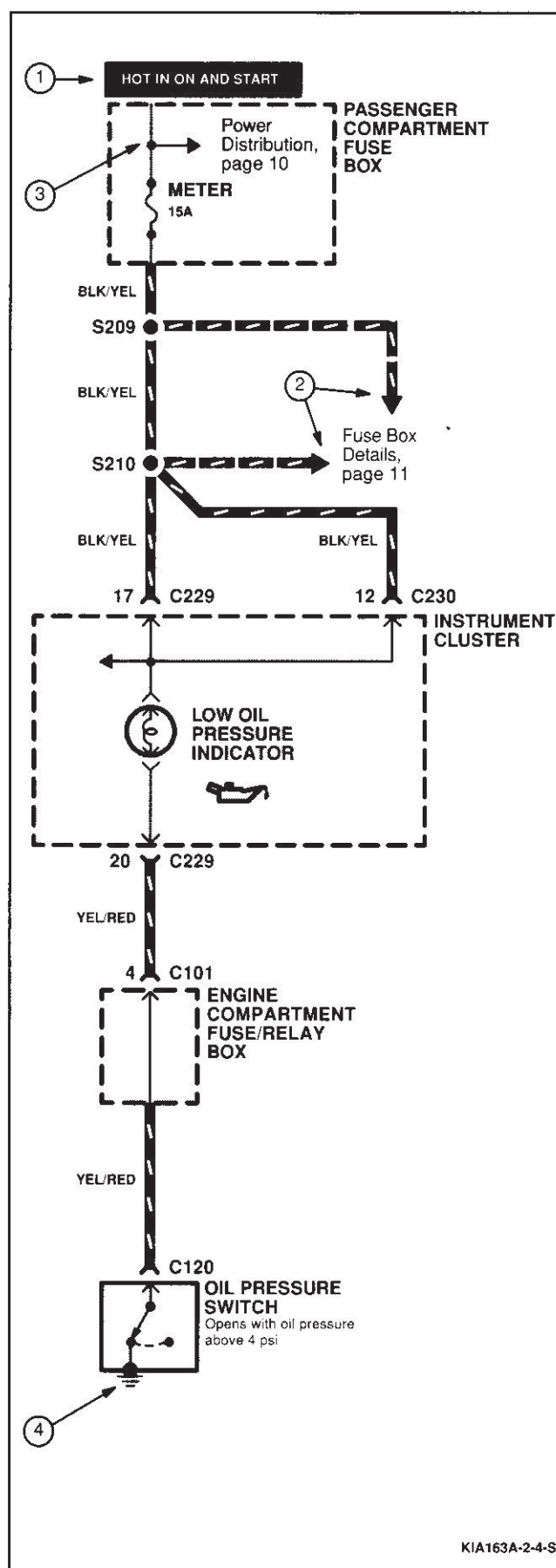
Each schematic is arranged so current flows from power at the top of the page, to ground at the bottom of the page. The "HOT" labels ① at the top of a fuse tell you when the ignition switch supplies power to that fuse.

Each circuit is shown completely and independently in one schematic. Other circuits getting their power from the same point, grounding at the same point, are not shown. However, if other circuits actually share some wires, those wires will be shown also.

Wires that connect to another circuit are shown with an arrowhead pointing in the direction of current flow. Next to the arrowhead ② is the name of the circuit or component that shares that wiring. You can quickly check shared wiring by checking the operation of components.

"See Power Distribution" ③ means there are more connections here to other circuits shown in the Power Distribution schematic.

Ground symbol (dot and 3 lines) ④ overlapping the component means the housing of the component is grounded to the vehicle frame or to a metal part connected to the frame.



## Power Distribution

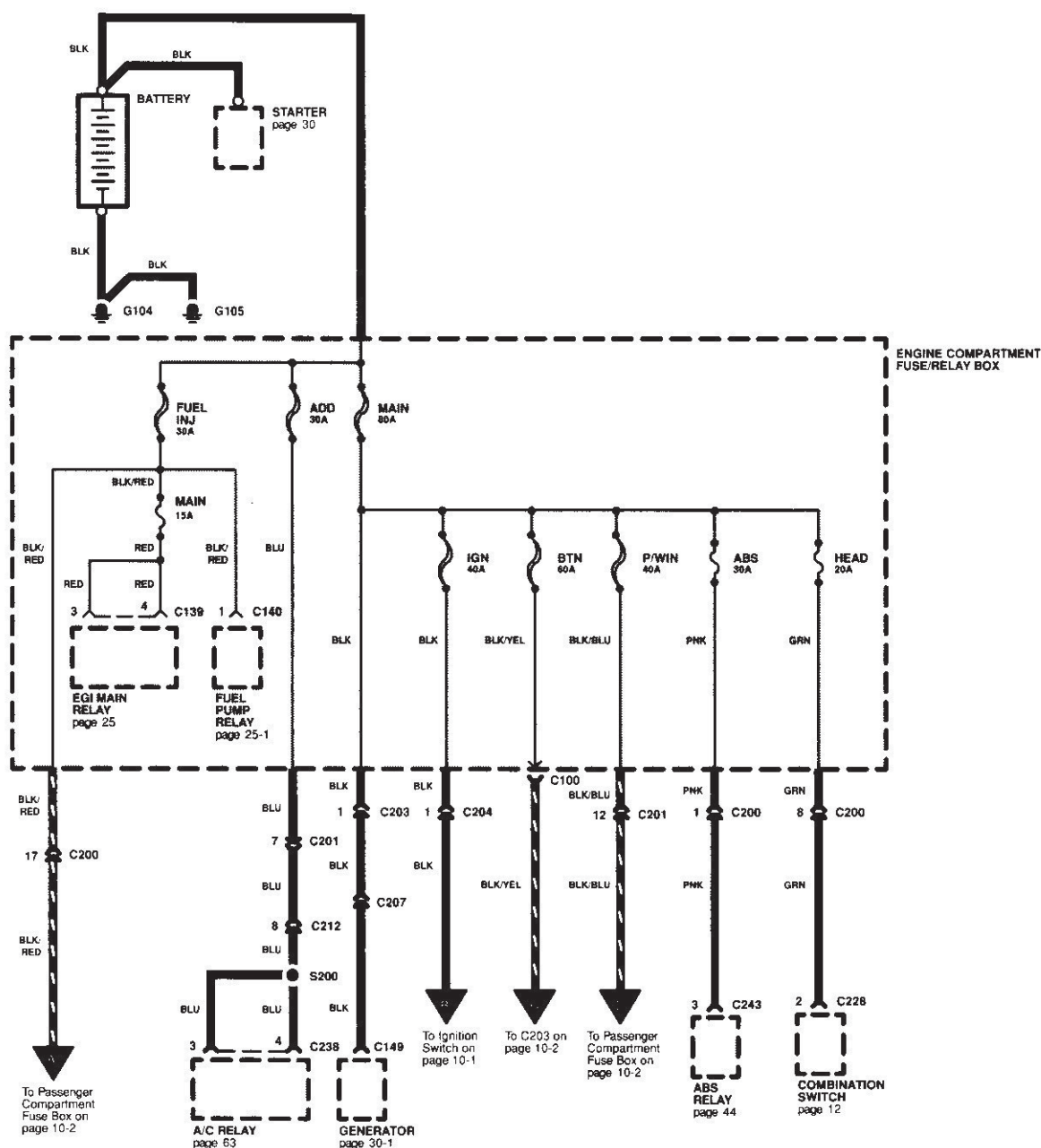
The Power Distribution schematic shows the wiring from the Battery and Generator to the Starter Solenoid, Fuse Box, Ignition Switch and Light Switch. The first component after a fuse is also shown.

The Power Distribution schematic refers to Fuse Box Details and Light Switch Details schematics. By using these three (3) schematics, power distribution wiring can be

followed from the Battery and Generator to the first component after a Maxi Fuse, Fuse and Light Switch. The ability to follow the power distribution wiring to the first component in each circuit is extremely helpful in locating short circuits which cause fuses to open.

The fuses in the sample schematic below are "Hot At All Times," since Battery voltage is always applied to them.

## POWER DISTRIBUTION





# 1998 / 1999

## SPORTAGE SERVICE MANUAL

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## GROUP 00

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## FUNDAMENTAL PROCEDURES

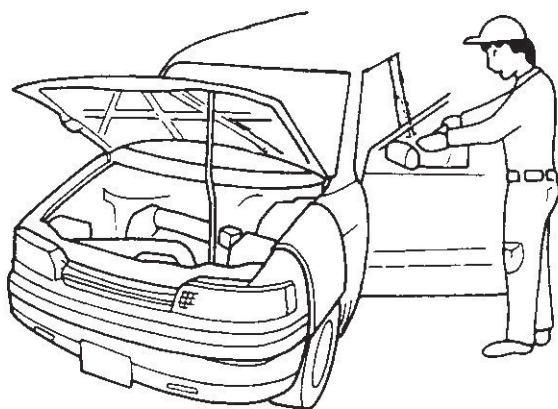
### \* NOTICES, CAUTIONS AND WARNINGS

As you read through the procedures, you will come across NOTICE's, CAUTION's, and WARNING's. Each one of these indicates a specific purpose. NOTICEs give information to prevent you from making an error that could damage the vehicle or components. CAUTION's remind you to be especially careful in those areas where carelessness can cause personal injury. WARNING's remind you to be extremely careful in those areas where carelessness can cause potential death. The following list contains some general WARNING's you should follow when working on the vehicle.

### PROTECTION OF THE VEHICLE

#### \* Notice

*Use appropriate covers to protect fenders, carpeting, and upholstery of the vehicle prior to servicing or repair.*

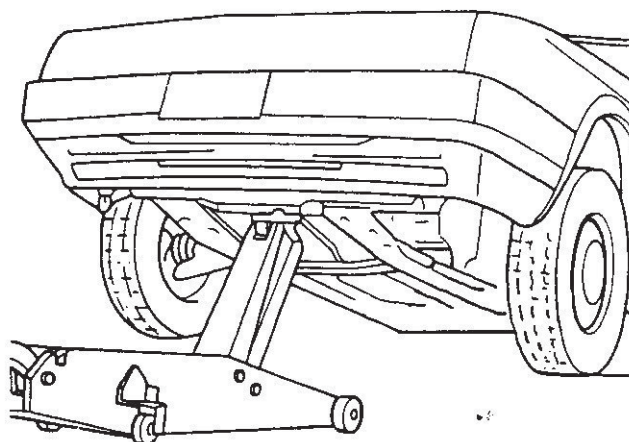


KIA-163-00-01-S

### A WORD ABOUT SAFETY

The following precautions must be followed when jacking the vehicle:

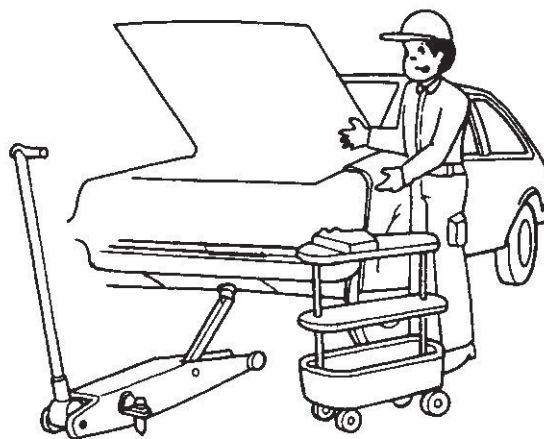
1. Block the wheels.
2. Use only the specified jacking positions.
3. Support the vehicle with safety stands.



KIA-163-00-02-S

### PREPARATION OF TOOLS AND MEASURING EQUIPMENT

Be sure all necessary tools and measuring equipment are available before starting any work.

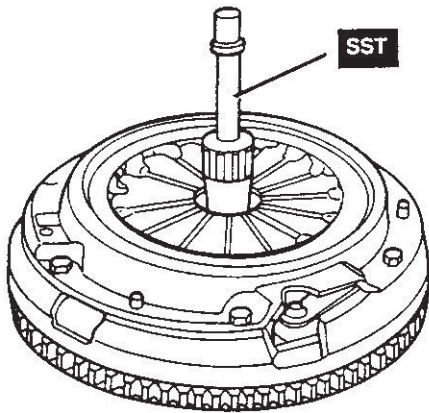


KIA-163-00-03-S

### SPECIAL TOOLS

Use special tools when they are required.

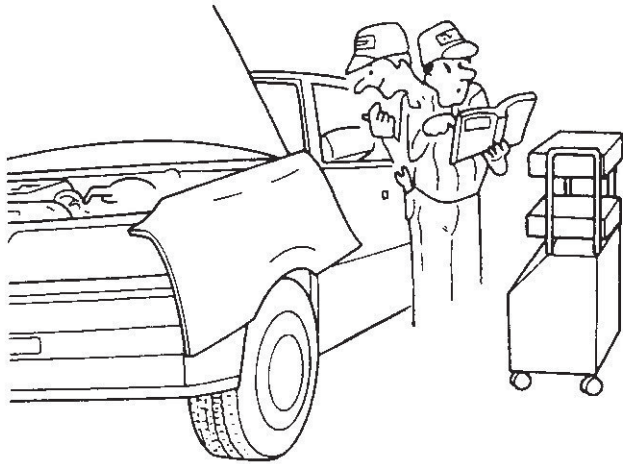




KIA-163-00-04-S

## REMOVAL OF PARTS

While correcting a problem, also try to determine its cause. Begin work only after first learning which parts and sub assemblies must be removed and disassembled for replacement or repair.

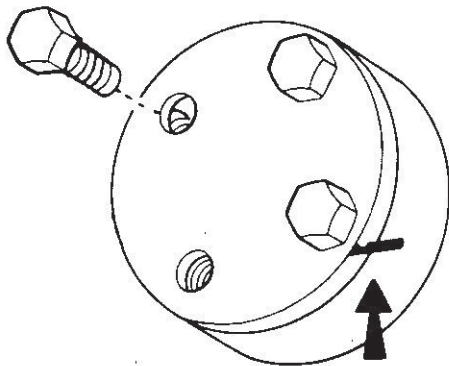


KIA-163-00-05-S

## DISASSEMBLY

If disassembly requires many parts to be disassembled, they should be done so in a way that will not affect their performance or external appearance.

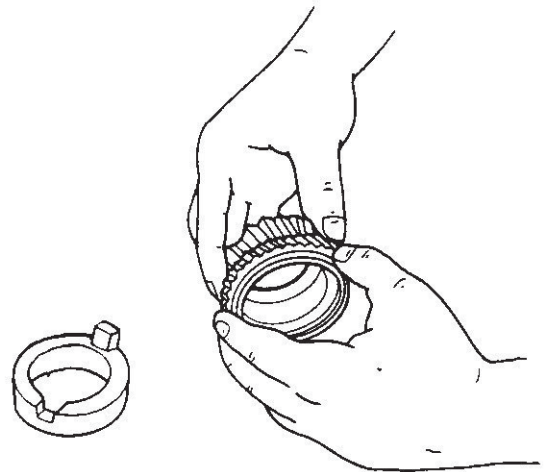
The parts should also be identified so that assembly can be performed easily and efficiently.



KIA-163-00-06-S

### 1. Inspection of parts

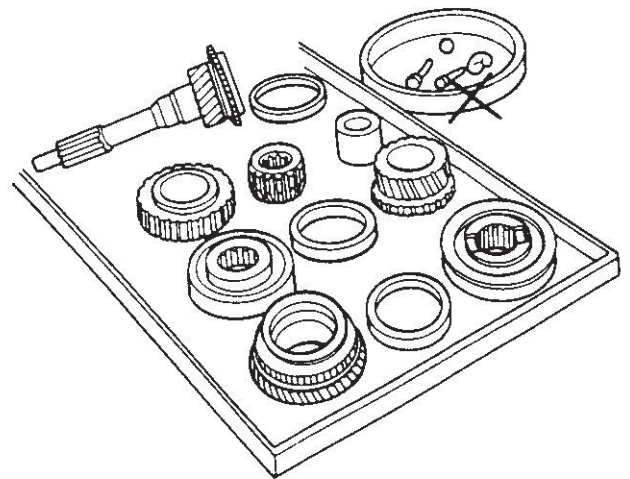
When removed, each part should be carefully inspected for malfunction, deformation, damage, or other problems.



KIA-163-00-07-S

### 2. Arrangement of parts

All disassembled parts should be carefully arranged for assembly. Identify then separate the parts to be replaced from those that will be reused.



KIA-163-00-08-S

### 3. Cleaning parts for reuse

All parts to be reused should be carefully and thoroughly cleaned according to the appropriate method.



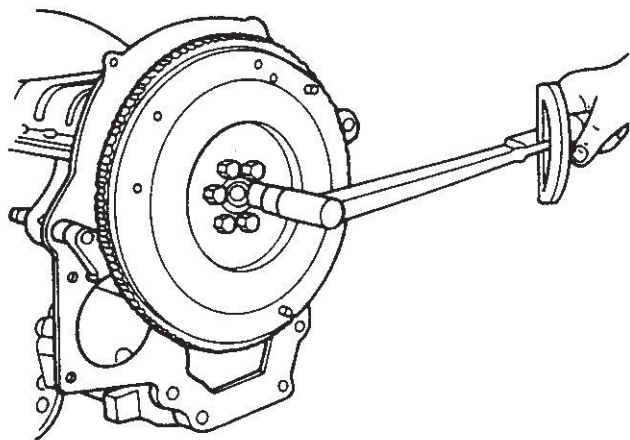


KIA-163-00-08-S

## ASSEMBLY

Standard values, such as torques and certain adjustments, must be strictly observed in the assembly of all parts. When removed, the following parts should be replaced with new ones:

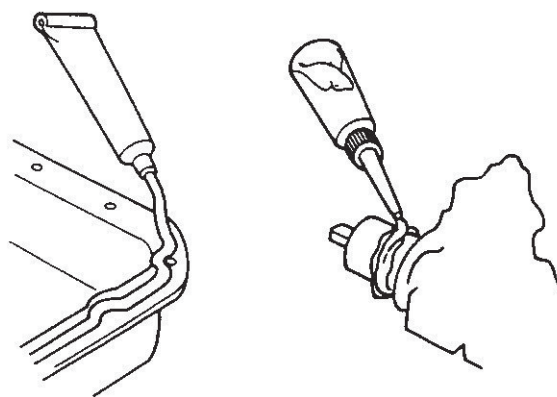
1. Oil seals
2. Gaskets
3. O-rings
4. Spring washers
5. Cotter pins
6. Nylon nuts



KIA-163-00-10-S

Depending on location:

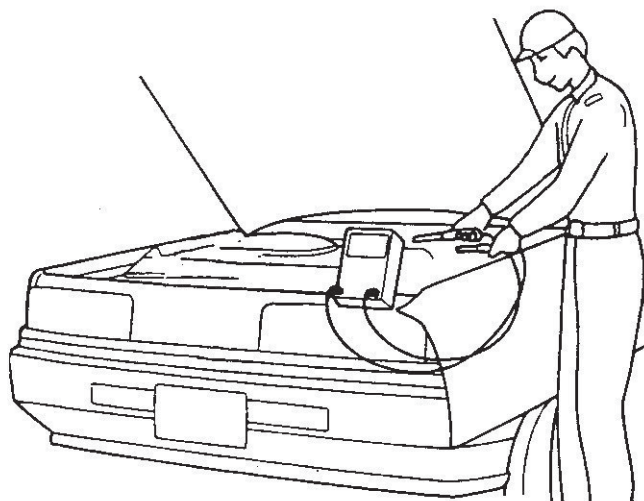
1. Sealant should be applied or new gaskets used.
2. Oil should be applied to the moving components of parts.
3. Specified oil or grease should be applied at the prescribed locations (such as oil seals) before assembly.



KIA-163-00-11-S

## ADJUSTMENTS

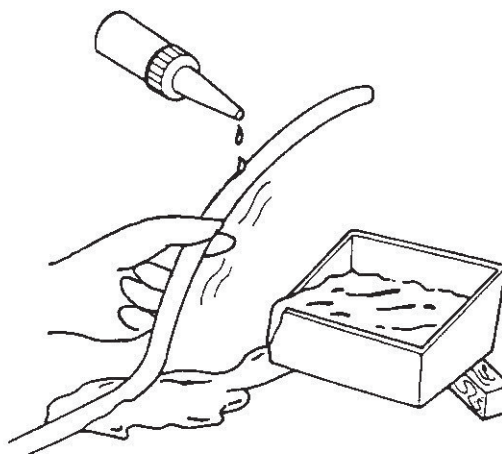
Use calibrated gauges/testers/torque wrenches when making adjustments.



KIA-163-00-12-S

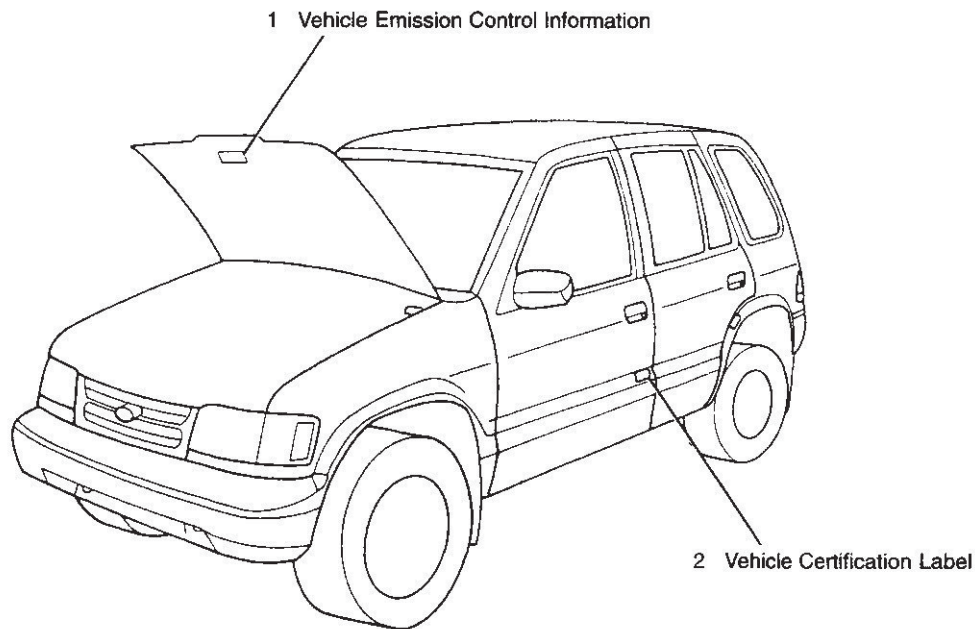
## RUBBER PARTS AND TUBING

Prevent gasoline or oil from getting on rubber parts or tubing.

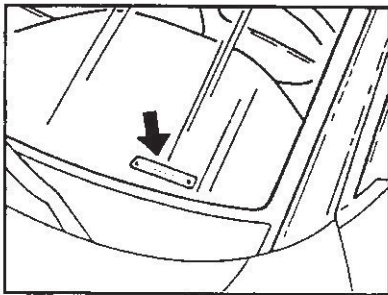


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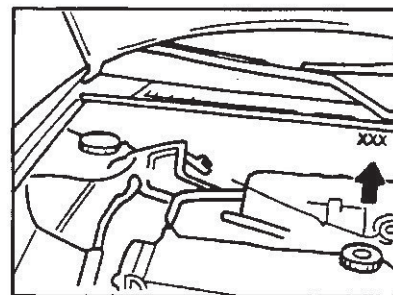
## VEHICLE IDENTIFICATION INFORMATION



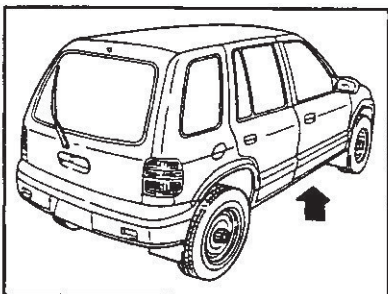
## VEHICLE IDENTIFICATION NUMBER (VIN) LOCATIONS



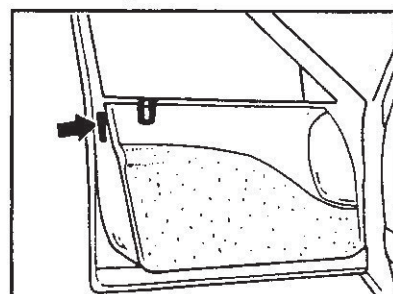
**Instrument Panel - Driver Side**



**Bulkhead - Engine Compartment,  
Passenger Side**



**Frame Rail - Passenger Side**



**FMVSS label - Driver's Door Jamb**

## VEHICLE IDENTIFICATION SYSTEM

### VEHICLE CERTIFICATION LABEL

The vehicle certification label indicates Gross Vehicle Weight Rating (GVWR), Gross Axle (for front and rear axle separately) Weight Rating (GAWR), and Payload Rating. It also shows the original tire size and recommended inflation pressure.

### Gross Vehicle Weight (GVW)

Gross Vehicle Weight is the original weight of the vehicle along with the cargo and passenger weight. GVW must not exceed GVWR.

### Gross Axle Weight (GAVV)

Gross Axle Weight is the weight of the front and the rear axle. GAW must not exceed GAWR.

MODEL	ENGINE	GVWR	GAWR (front)	GAWR (rear)
4-DOOR	2.0L Gasoline	4,204 lbs. 1,907 kg	2,040 lbs. 950 kg	2,279 lbs. 1,030 kg

### Payload Rating

Payload rating is the maximum allowable cargo load. This allowable cargo load includes driver and passenger weight. The tire size and the inflation pressure should always be proper for the vehicle load.

		FE DOHC (4WD)
Towing Capacity      lb (kg)	Without Trailer Brakes	1,000 (450) Tongue Weight: 100 (45)
	With Trailer Brakes	2,000 (900) Tongue Weight: 200 (90)
Payload Capacity      lb (kg)		838 (380)

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