

2002 ACCESSORIES & EQUIPMENT

Keyless Entry System - Sedona

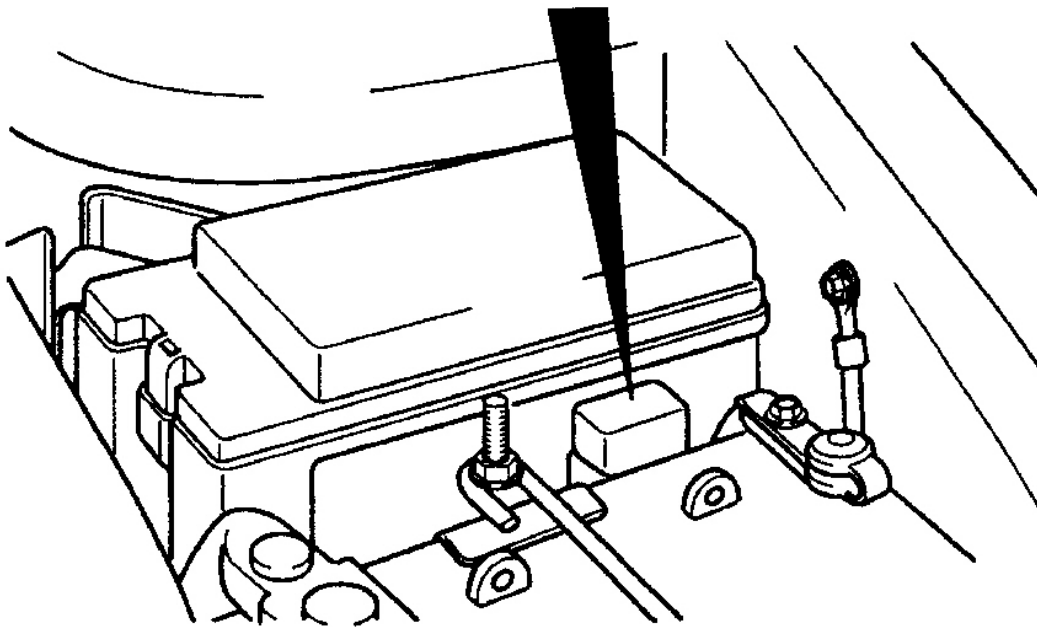
DESCRIPTION & OPERATION

This system consists of a keyless entry receiver and transmitter. The receiver picks up the transmitter radio frequencies from the transmitter with sufficient power to operate the system and sends a pulse signal to the ETACS module, which controls the door lock motors horn, and interior lamps.

Battery voltage is always applied to terminal A of the keyless entry receiver, which is grounded permanently at terminal B of the receiver. When the UNLOCK or LOCK of the transmitter is pressed, the receiver sends a pulsed UNLOCK or LOCK signal to the ETACS for approximately 350ms if ignition, KEYLESS and SET switch is OFF. The door lock motors are powered and grounded by the ETACS for approximately 0.2-0.4 second, allowing door to operate at the UNLOCK or LOCK position.

PROGRAMMING PROCEDURE

1. Connect the coding connector to the diagnosis connector in order to jump between terminal 12 and terminal 7 if you have a coding connector, use a jumper wire between the above mentioned terminals.
2. Turn the ignition switch to the ON position.
3. Press LOCK button on transmitter two times.
4. Turn the ignition switch to OFF position and remove ignition key from key set.
5. Disconnect the coding connector from the diagnosis connector.
6. Check for LOCK and UNLOCK operation. If successful, the buzzer will operate for approximately one second.



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Fig. 1: Illustrating Diagnosis Connector Pinout
Courtesy of KIA MOTORS AMERICA, INC.

DIAGNOSIS

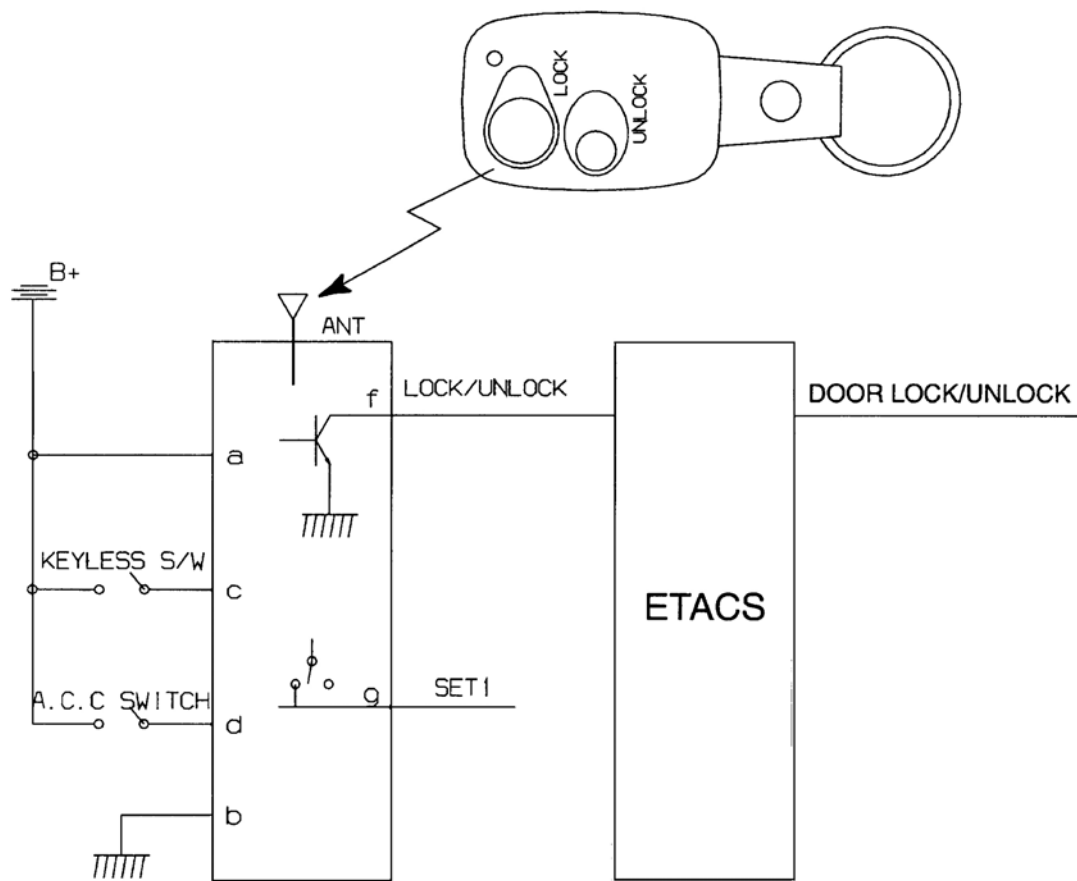
INSPECTION

Check for voltage or continuity with connector connected. Repair or replace as necessary.

Pin	Function	Test Condition	Value	Remarks
7	Battery	Constant	12V	
6	Ground	Constant	0V	
5	Keyless switch input	Keyless switch ON	12V	OFF : 0V
4	Ignition switch ACC input	Ignition switch ACC	12V	
2	Unlock/Lock output signal	Transmitter operation	0V	For approximately 150ms No input : 0.1~5V
1	SET	Connect coding connector to diagnosis connector	12V	Disconnected : 0V

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Fig. 2: Illustrating Receiver Terminal Pinout
Courtesy of KIA MOTORS AMERICA, INC.



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Fig. 3: Illustrating System Diagram
 Courtesy of KIA MOTORS AMERICA, INC.