

9K-2 REMOTE KEYLESS ENTRY

To Release Rear Compartment Lift Window Panel Assembly

- Press bottom button marked with vehicle symbol on top cover to release rear compartment lift window panel assembly.

To Lock Doors

- Press "DOOR" button marked with key symbol.

TRANSMITTER ASSEMBLY

The transmitter assembly will transmit a radio signal, which will control functions of the receiver assembly. The range is approximately 7 to 10 m (22 to 33 feet).

Battery Replacement

Figure 1

Remove or Disconnect

1. Key ring from transmitter assembly.
2. Top cover from bottom cover, using a flat-bladed tool at eyelet end to unsnap, if necessary.
3. Batteries.

Install or Connect

NOTICE: Use of wrong type of battery will cause damage to the transmitter assembly.

1. Batteries.
 - Use battery type DL2016, or equivalent.
2. Top cover by snapping into bottom cover.
3. Key ring to transmitter assembly.

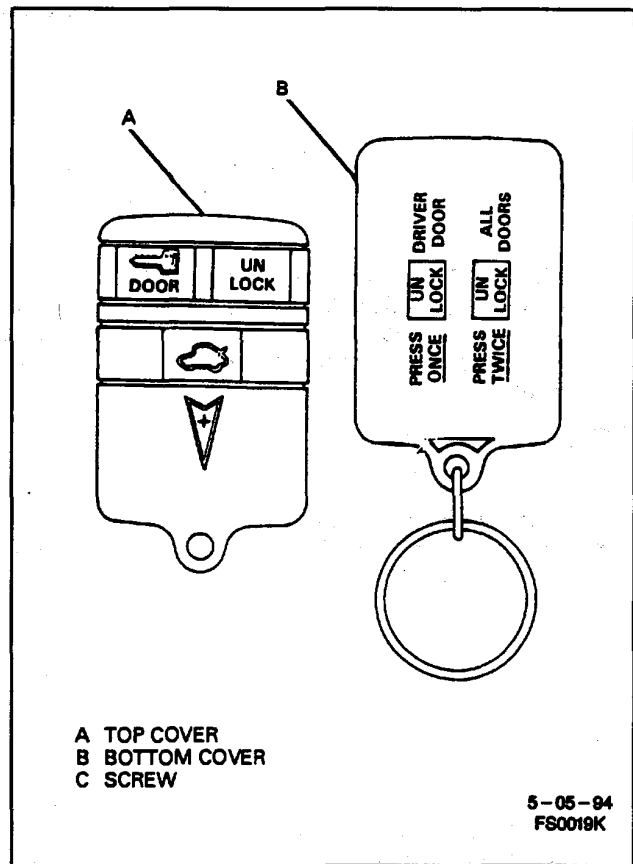


Figure 1 – Remote Control Door Lock Transmitter Assembly (Typical)

Inspect

- Transmitter assembly operation.

RECEIVER ASSEMBLY

The remote control door lock receiver assembly is battery fed and is always monitoring the transmitter signal. When the correct transmitter signal is received to lock the doors, a transistor driver will energize the correct lock control relay coil. The receiver assembly will also control which lock control relays will be energized to unlock the doors, or release the rear compartment lift window panel assembly.

ON-VEHICLE SERVICE

RECEIVER ASSEMBLY

Figure 2

↔ Remove or Disconnect

The remote control door lock receiver assembly (4) is mounted in a pocket near the right-hand hinge pillar.

1. Body hinge pillar trim bolts/screws.
2. Right-hand body hinge pillar trim panel.
3. Receiver assembly (4) from pocket on hinge pillar.
4. Electrical connector secondary lock retainers from electrical connectors.
5. Electrical connectors from receiver assembly (4).

↔ Install or Connect

NOTICE: See "Notice" on page 9K-1 of this section.

1. Electrical connectors to receiver assembly (4).
 - Connector should snap into place.
 - Check for positive connection by tugging on connector, not wire.
2. Electrical connector secondary lock retainers to electrical connectors.
3. Receiver assembly (4) to pocket on hinge pillar.
4. Right-hand body hinge pillar trim panel.
5. Body hinge pillar trim bolts/screws.

⌚ Tighten

- Body hinge pillar trim bolts/screws to 1.3 N•m (12 lb. in.).
6. If programming the system is necessary, refer to "Programming Receiver Assembly" in this section.

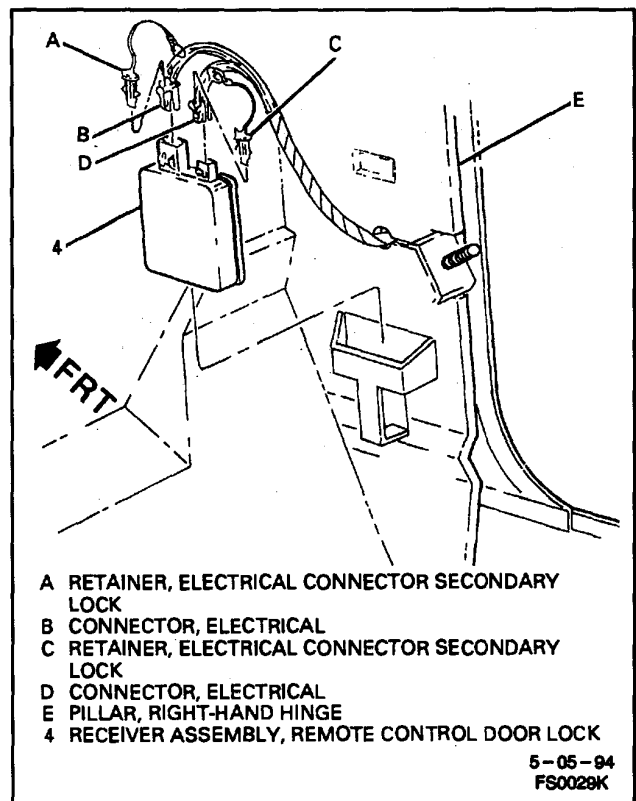


Figure 2 – Remote Control Door Lock Receiver Assembly

Programming Receiver Assembly

1. Ground receiver program input line by connecting fused jumper wire between terminal "4" and terminal "8" of DLC (data link connector).
 - Door lock assemblies will cycle indicating receiver assembly is in program mode.
2. Press any button (only once) on transmitter assembly.
 - A. Door lock assemblies will cycle once confirming that transmitter code is programmed.
 - B. Any transmitter code that was previously programmed has been erased.
 - C. Receiver assembly is now programmed to transmitter assembly.
3. When programming receiver assembly to match transmitter assemblies, first transmitter code

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matched will be stored in both receiver memories unless second transmitter assembly is matched at the same time. If programming a receiver assembly to match a second transmitter assembly, press any button (only once) on second transmitter assembly. This must be done before fused jumper wire is disconnected.



Important

- When a receiver is being programmed to a replacement transmitter, the second transmitter must be reprogrammed.

- Door lock assemblies and lift window lock system will cycle once confirming that second transmitter code is programmed.

4. Disconnect fused jumper wire from DLC.

- System will not operate if ground connection is not removed.

5. Verify operation of each transmitter assembly.

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Body Hinge Pillar Trim Bolt/Screw 1.3 N•m (12 lb. in.)

KEYLESS ENTRY: AUO

CIRCUIT OPERATION

The Keyless Entry Receiver is designed with an internal antenna. The Receiver picks up transmitted Radio frequencies from a hand held Transmitter with sufficient power to operate the system from up to 7 to 10 meters (22 to 33 ft.) from the Receiver.

TRANSMITTER FUNCTIONS

Lock

When the Lock Button is pressed, the Receiver grounds the "Lock All" coil of Relay #1, causing both Door Lock Actuators to lock. The Receiver also grounds the "Illumination" coil of Relay #2 for two seconds. This provides visual confirmation that a lock function was performed.

Unlock

When the Unlock Button is pressed once, the Receiver grounds the "Unlock Driver" coil of Relay #1, causing the Left Hand Door Lock Actuator to unlock. To provide an illuminated entry, the Receiver also grounds the "Illumination" coil of Relay #2 for forty seconds or until the Receiver sees an Ignition "ON" input. When the Unlock Button is pressed twice, the second must be within five seconds of the first, the Receiver grounds the "Unlock All" coil of Relay #2, causing both actuators to receive unlock signals.

Hatch Release

When the Hatch Release Button is pressed, the Receiver grounds the "Hatch Release" coil of Relay #3. With Relay #3 closed, the Hatch Release Relay is energized and applies battery voltage to the Hatch Release Actuator, releasing the Hatch. To provide hatch area illumination, the Receiver also grounds the "Illumination" coil of Relay #2 for forty seconds or until the Receiver sees an Ignition "ON" input. The Hatch Release Function operates only when the vehicle is in park or neutral (Automatic Transmission) or the Parking Brake is applied (Manual Transmission). The Hatch Release Function is disabled as soon as the Keyless Entry Receiver sees an Ignition "ON" input.

Illuminated Entry Operation

The Keyless Entry Receiver provides a ground to turn on the Dome Lamp (Coupe) or Rear Courtesy Lamps (Convertible) for illuminated entry whenever a Transmitter request is received. - With a "Lock" request, the Dome Lamp (Coupe) or Rear Courtesy Lamps (Convertible) is turned on for two seconds to provide visual confirmation that a lock function was performed. - With an "Unlock" or

"Hatch Release" request, the Dome Lamp (Coupe) or Rear Courtesy Lamps (Convertible) is turned on for forty seconds to provide illuminated entry and hatch area illumination.

The illuminated entry time cannot be extended by pressing the Lock, Unlock or Hatch Release Buttons until it has timed out. Illuminated entry is disabled as soon as the Keyless Entry Receiver sees an Ignition "ON" input at terminal "D" of connector C1.

Power Door Locks

The Door Lock Actuators always receive ground through the Power Door Lock Switches from G200. Battery voltage is applied to the actuators either from the PWR ACCY Fuse 7 when the Power Door Lock Switches are used (for the specific amount of time allowed before the Power Door Lock Switches are disabled, refer to "Retained Accessory Power," page 8A-15-0), or from the Courtesy Fuse 8 when the Keyless Entry Receiver sees a request from the Transmitter.

PROGRAMMING THE KEYLESS ENTRY RECEIVER

The Keyless Entry Receiver is capable of accepting Vehicle Access Code (VAC) programming from any two random Transmitters. One or two Transmitters can be programmed. When two Transmitters are programmed, they must be programmed during the same program sequence, one after the other but not simultaneously. The Transmitter is manufactured with a permanent VAC combination (one of over 4 billion combinations) that cannot be changed for the life of the Transmitter. The Receiver can only be programmed by the Transmitter when it is powered at the Battery input at connector C2 terminal "F" and the program input line is grounded to connector C1 terminal "A".

Programming Procedure

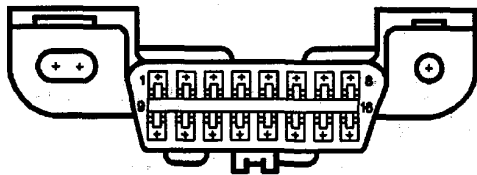
1. Ground the program input line by connecting a fused jumper at Data Link Connector (DLC) from terminal "G" to terminal "A". The Receiver will cycle the Door Lock Actuators within one to three seconds to acknowledge that the Receiver is in the "PROGRAM" mode.
2. Press any button on the Transmitter once. In response, the Receiver will cycle the Door Lock Actuators to acknowledge that a transmission has been received.
3. Press any button of the second Transmitter once. In response, the Receiver will cycle the Door Lock Actuators to acknowledge that a transmission has been received.
4. Remove the fused jumper from the DLC and verify system operation using all three transmitter buttons.

KEYLESS ENTRY: AUO

! Important:

- Always program both Transmitters when replacing a lost or damaged Transmitter. The first Transmitter Code programmed will always be in both memories until a second Transmitter is programmed within the same sequence.

- The Keyless Entry System will not be operational if the program input line is left grounded.
- Program only one vehicle Keyless Entry System at a time. If multiple vehicles are being programmed in close proximity simultaneously, it is possible that the same Transmitter could be trained to more than one Receiver.

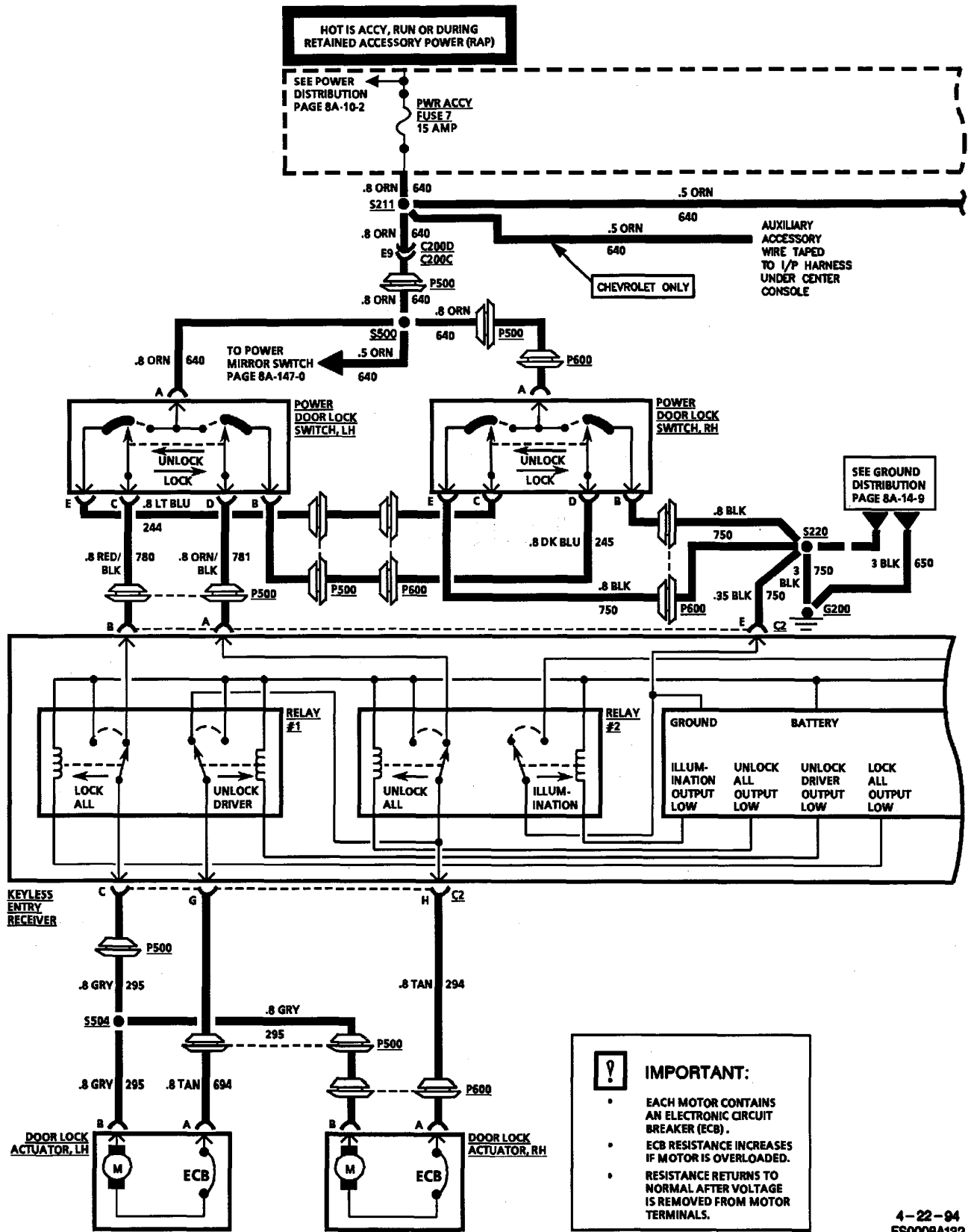


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**16 - WAY F METRI - PACK 150 SERIES
BLK
DATA LINK CONNECTOR (DLC)**

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**KEYLESS ENTRY: AUO
(COUPE)**



KEYLESS ENTRY: AUO
(COUPE)

