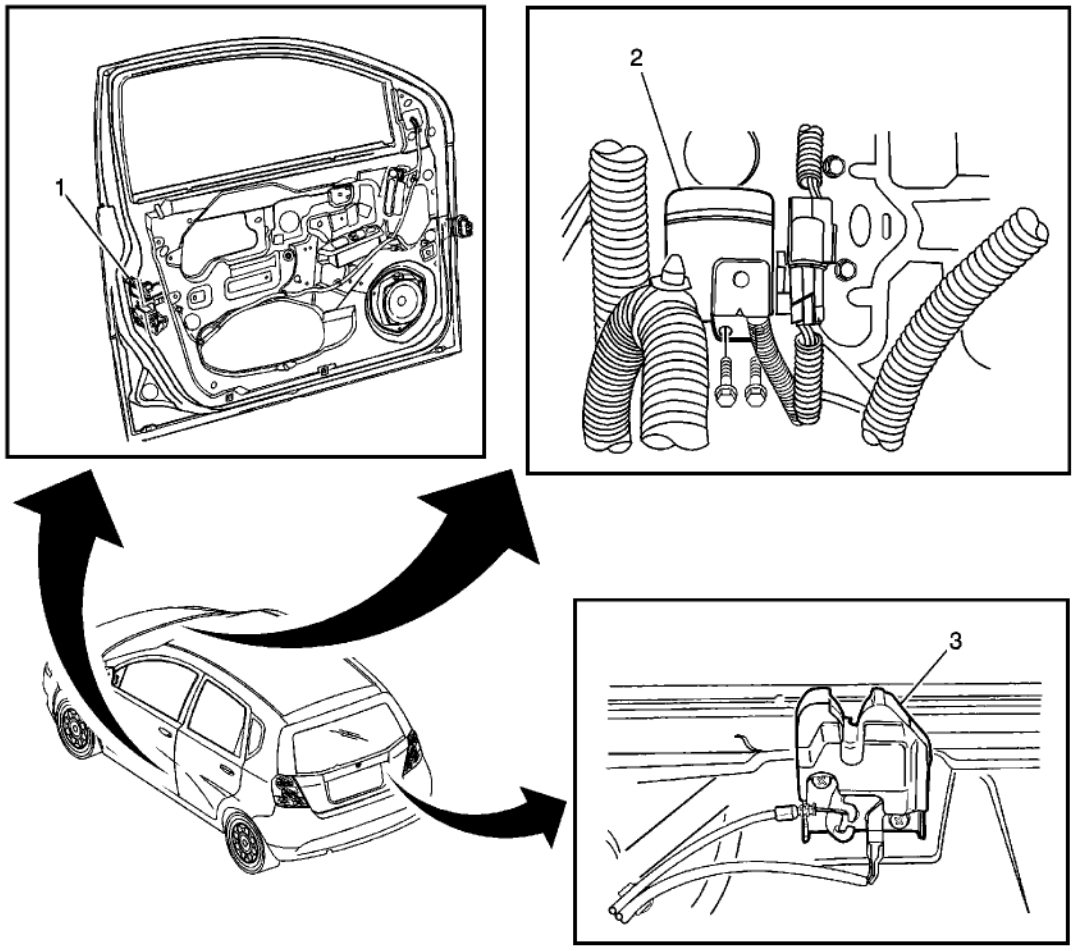
Content Theft Components

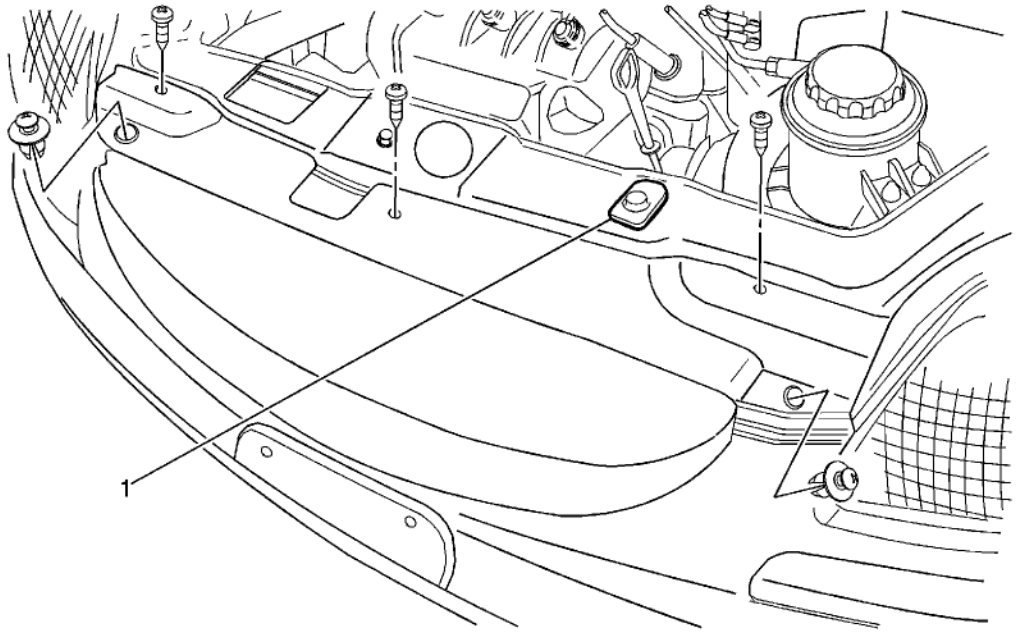


(1) Door Latch Left - Right Similar
(2) Theft Deterrent Alarm
(3) Lock Cylinder Switch - Rear Compartment Lid

© 2010 General Motors Corporation. All rights reserved.

cardiagn.com

Front of Vehicle

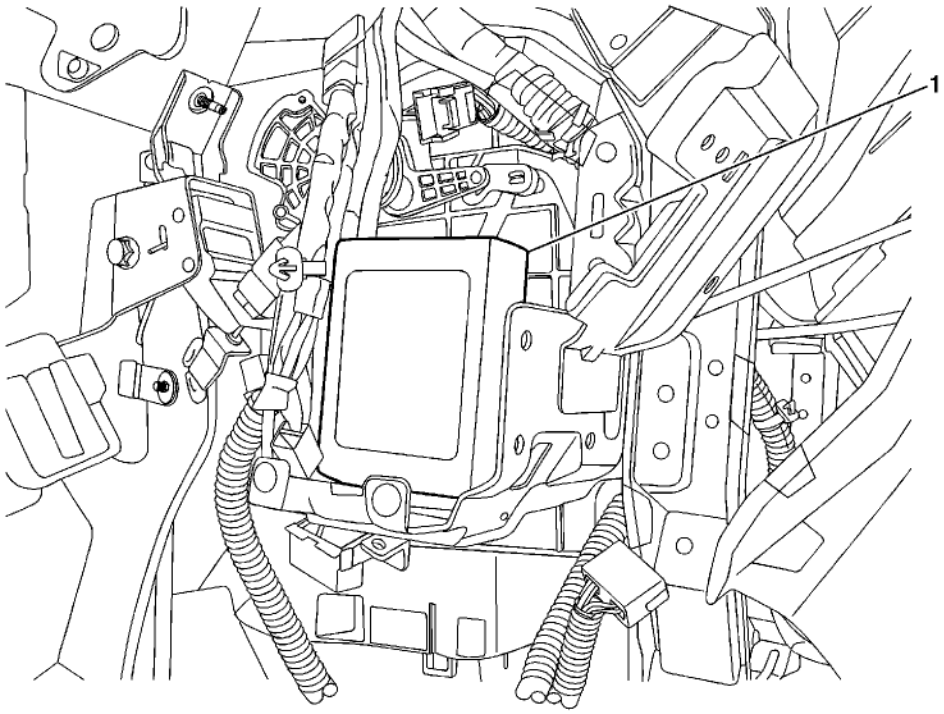


(1) Hood Ajar Switch (Except North America)

cardiagn.com

© 2010 General Motors Corporation. All rights reserved.

Remote Control Door Lock Receiver (Notchback)

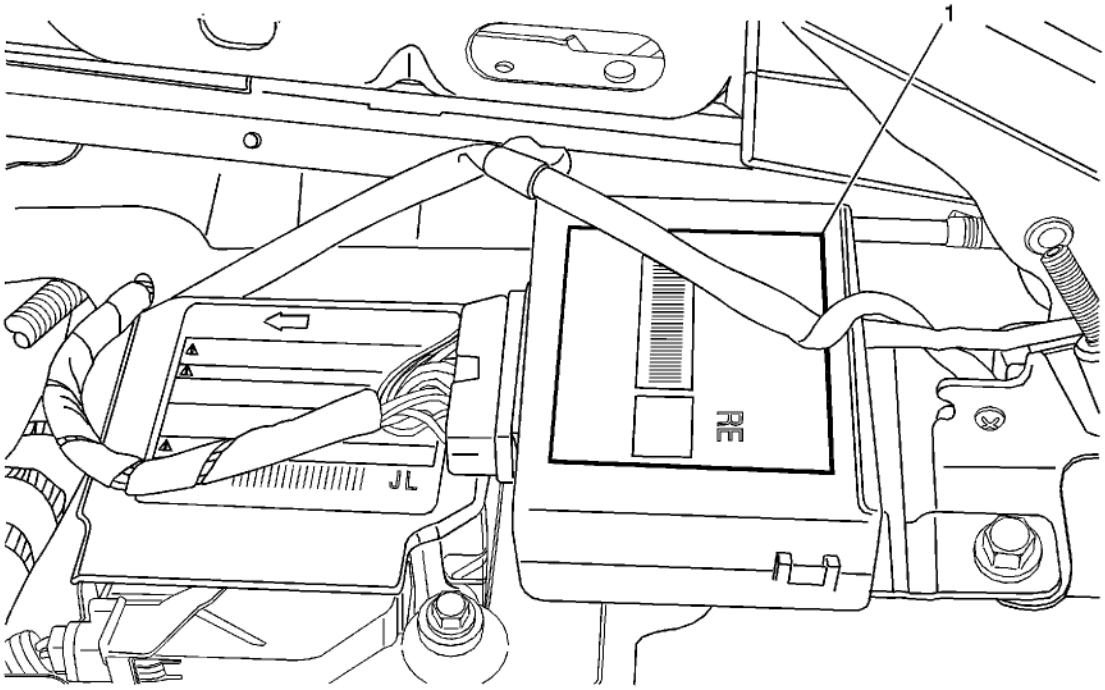


(1) Remote Control Door Lock Receiver (RCDLR)/Theft Deterrent Control Module

cardiagn.com

© 2010 General Motors Corporation. All rights reserved.

Remote Control Door Lock Receiver (RCDLR) (Hatchback)



(1) Remote Control Door Lock Receiver (RCDLR)

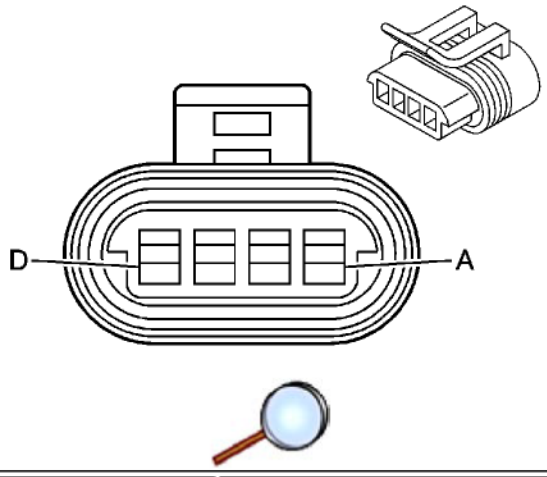
cardiagn.com

© 2010 General Motors Corporation. All rights reserved.

Theft Deterrent System Connector End Views (Notchback)

Table 1: Door Handle Switch - Left (LHD)
Table 2: Door Handle Switch - Left (RHD)
Table 3: Door Handle Switch - Right (LHD)
Table 4: Door Handle Switch - Right (RHD)
Table 5: Hood Ajar Switch
Table 6: Rear Compartment Lid Tamper Switch
Table 7: Remote Control Door Lock Receiver (RCDLR)/Theft Deterrent Control Module
Table 8: Theft Deterrent Alarm

Door Handle Switch - Left (LHD)

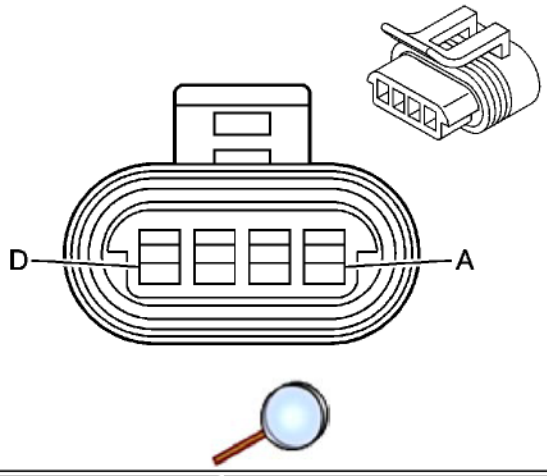


Connector Part Information	• AK 32421 • 4-Way M (GY)		
Pin	**Wire**	**Circuit**	**Function**
A	L-BU	--	Lock Signal
B	BK	--	Ground
C	WH	--	Unlock Signal
D	L-GN	--	Door Latch Switch Signal

Door Handle Switch - Left (RHD)

© 2010 General Motors Corporation. All rights reserved.

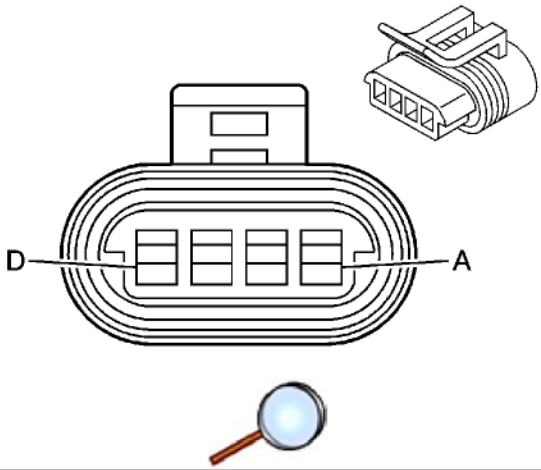
cardiagn.com



Connector Part Information	• AK 32421 • 4-Way M (GY)

Pin	Wire	Circuit	Function
A	--	--	Not Used
B	BK	--	Ground
C	--	--	Not Used
D	D-BU/RD	--	Door Latch Switch Signal

Door Handle Switch - Right (LHD)

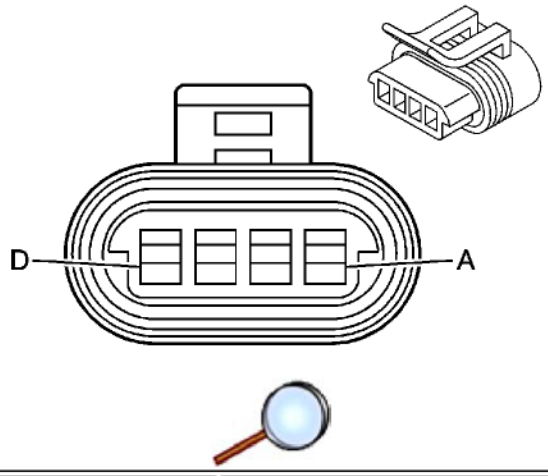


Connector Part Information	• AK 32421 • 4-Way M (GY)

Pin	Wire	Circuit	Function
A	--	--	Not Used
B	BK	--	Ground
C	--	--	Not Used
D	D-BU/RD	--	Door Latch Switch Signal

Door Handle Switch - Right (RHD)

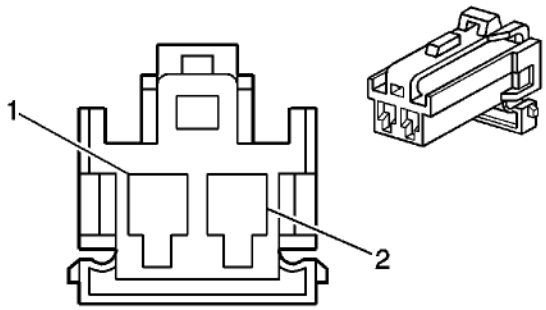
cardiagn.com



Connector Part Information	• AK 32421 • 4-Way M (GY)

Pin	Wire	Circuit	Function
A	L-GN	--	Door Latch Switch Signal
B	WH	--	Unlock Signal
C	BK	--	Ground
D	L-BU	--	Lock Signal

Hood Ajar Switch

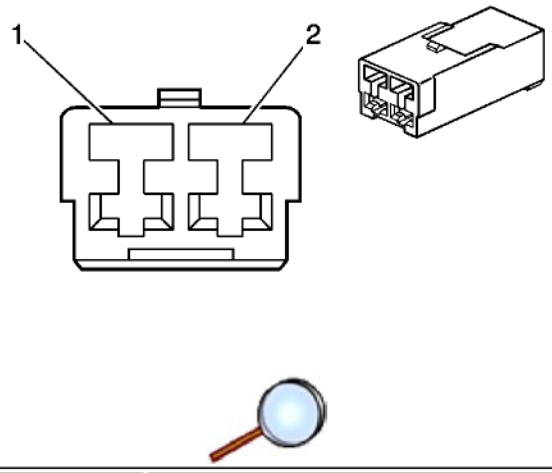


Connector Part Information	• KET MG 610392 • 2-Way F Series, Sealed (WH)

Pin	Wire	Circuit	Function
1	PK/D-BU	--	Hood Ajar Switch Signal
2	RD/WH	--	Battery Positive Voltage

Rear Compartment Lid Tamper Switch

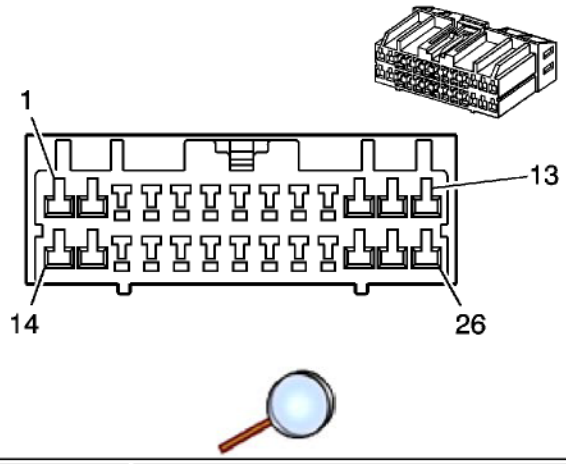
cardiagn.com



Connector Part Information	• KET MG 610070 • 2-Way F 090 (2.3 mm) Series (WH)

Pin	Wire	Circuit	Function
1	PU	--	Rear Compartment Lid Switch Signal
2	BK	--	Ground

Remote Control Door Lock Receiver (RCDLR) / Theft Deterrent Control Module



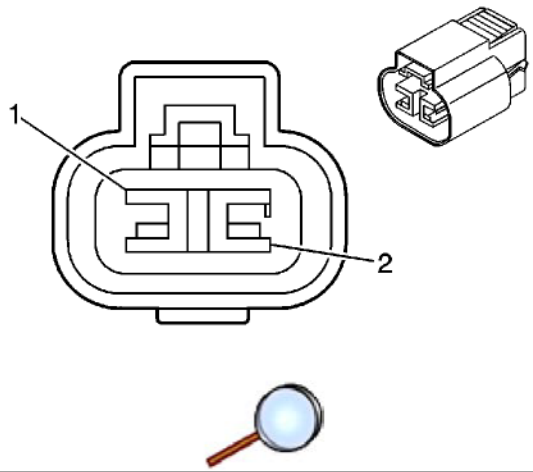
Connector Part Information	• KET MG 611336 • 26-Way F PCB Connector (WH)

Pin	Wire	Circuit	Function
1	YE	--	Arm Alarm Signal
2	BK	--	Ground
3	--	--	Not Used
4	PU	--	Rear Compartment Lid Switch Signal
5	OG/BK	--	Rear Compartment Lid Ajar Switch Signal
6	--	--	Not Used
7	PK/D-BU	--	Hood Ajar Switch Signal

cardiagn.com

8	WH	--	Door Ajar Signal
9	L-BU	--	Door Lock Control
10	GY/D-GN	--	Driver Door Lock Relay Lock Control
11	YE	--	Driver Door Lock Relay Unlock Control
12	PU	--	Door Latch Switch Signal
13	D-BU	--	Right Turn Signal Lamps Supply Voltage
14	BN	--	Rear Compartment Lid Switch Signal
15	PK	--	Ignition 1 Voltage
16	--	--	Not Used
17	BK/WH	--	Serial Data
18	L-GN	--	Key In Ignition Switch Signal
19	YE	--	Security Indicator Control
20	PU	--	Door Latch Switch Signal
21-24	--	--	Not Used
25	RD/WH	--	Battery Positive Voltage
26	L-BU	--	Left Turn Signal Lamps Supply Voltage

Theft Deterrent Alarm



Connector Part Information	• KUM PB 625-02027 • 2-Way F NMWP 04F-B Assembly (BK)

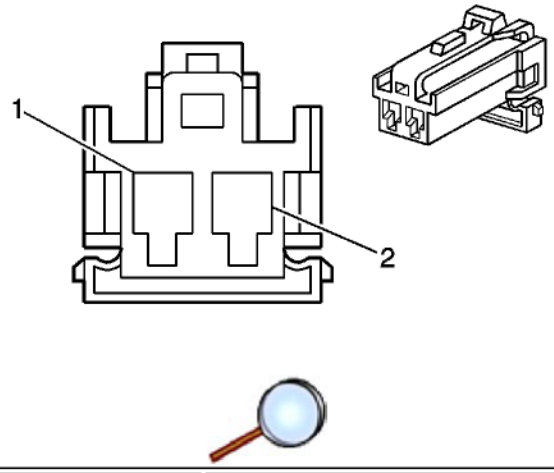
Pin	Wire	Circuit	Function
1	YE	--	Arm Alarm Signal
2	RD/WH	--	Battery Positive Voltage

cardiagn.com

Theft Deterrent System Connector End Views (Hatchback)

Table 1: Hood Ajar Switch
Table 2: Lock Cylinder Switch - Rear Compartment
Table 3: Remote Control Door Lock Receiver (RCDLR)
Table 4: Theft Deterrent Alarm
Table 5: Theft Deterrent Control Module

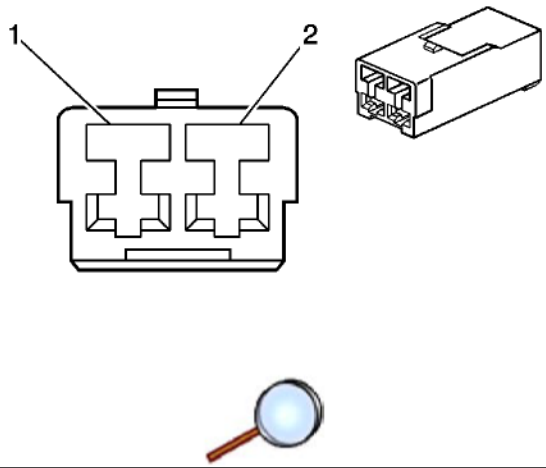
Hood Ajar Switch



Connector Part Information	• KET MG 610392 • 2-Way F Series Sealed (WH)

Pin	Wire	Circuit	Function
1	BN/BK	109	Hood Ajar Switch Signal
2	OG	1440	Battery Positive Voltage

Lock Cylinder Switch - Rear Compartment

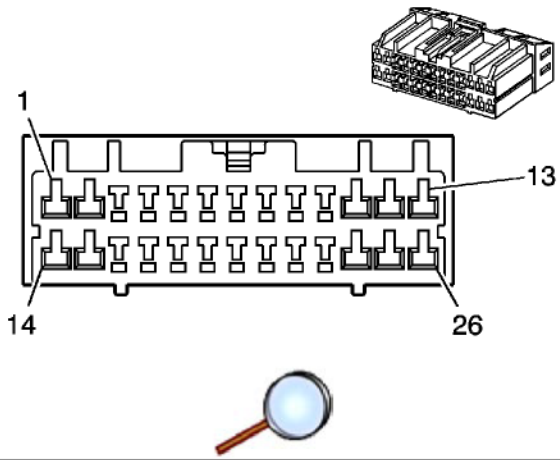


© 2010 General Motors Corporation. All rights reserved.

cardiagn.com

Connector Part Information	• KET MG 610070 • 2-Way F 090 (2.3 mm) Series (WH)		
Pin	**Wire**	**Circuit**	**Function**
1	D-BU	737	Rear Compartment Lid Ajar Switch Signal
2	BK	850	Ground

Remote Control Door Lock Receiver (RCDLR)

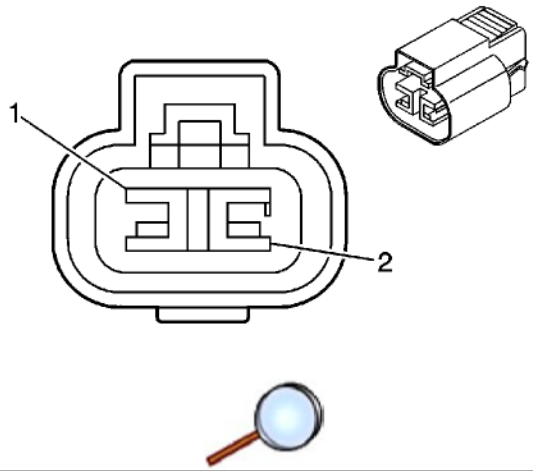


Connector Part Information	• KET MG 611336 • 26-Way F PCB Connector (WH)		
Pin	**Wire**	**Circuit**	**Function**
1	D-GN/WH	261	Arm Alarm Signal
2	BK	650	Ground
3	--	--	Not Used
4	D-BU	49	Tamper Switch Signal (4 Door)
5	OG/BK	737	Rear Compartment Lid Ajar Switch Signal
6	--	--	Not Used
7	BN/BK	109	Hood Ajar Switch Signal
8	D-GN/WH	157	Courtesy Lamp Control
9	GY	195	Door Lock Control
10	GY/D-GN	355	Low Speed Cooling Fan Relay Control
11	YE/D-GN	356	Driver Door Lock Relay Unlock Control
12	D-BU	49	Tamper Switch Signal
13	D-BU	15	Right Turn Signal Lamps Supply Voltage
14	--	--	Not Used
15	PK	239	Ignition 1 Voltage
16	--	--	Not Used
17	BK/WH	2051	Serial Data
18	L-GN	80	Key In Ignition Switch Signal
19	YE	749	Security Indicator Control

cardiagn.com

20	D-BU	49	Tamper Switch Signal
21-24	--	--	Not Used
25	OG	1340	Battery Positive Voltage
26	L-BU	14	Left Turn Signal Lamps Supply Voltage

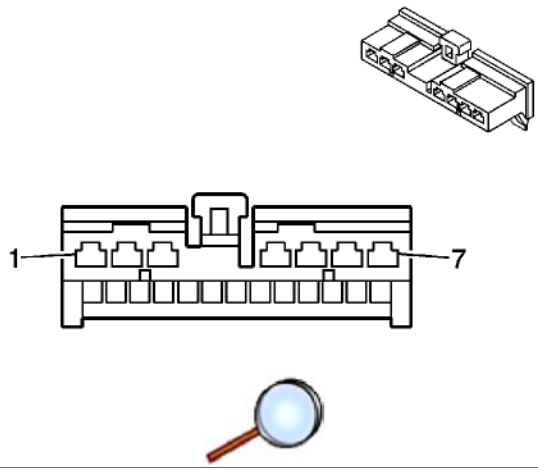
Theft Deterrent Alarm



Connector Part Information	• KUM PB 625-02027 • 2-Way F NMWP 04F-B Assembly (BK)

Pin	Wire	Circuit	Function
1	D-GN/WH	261	Arm Alarm Signal
2	BN	641	Ignition 3 Voltage

Theft Deterrent Control Module



Connector Part Information	• SD 35508-0700 • 7-Way Connector F (WH)

Pin	Wire	Circuit	Function
1	PK	239	Ignition 1 Voltage
2	OG	240	Battery Positive Voltage

cardiagn.com

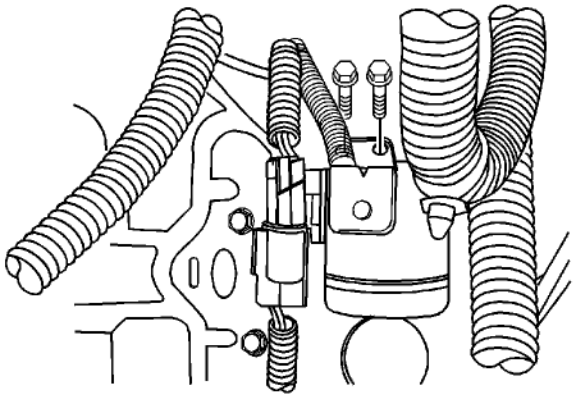
3	--	--	Not Used
4	BK	450	Ground
5	D-BU/WH	1800	Battery Positive Voltage
6	BK/WH	2051	Serial Data
7	YE	749	Security Indicator Control

cardiagn.com

Theft Deterrent Alarm Replacement

Caution: Unless directed otherwise, the ignition and start switch must be in the OFF or LOCK position, and all electrical loads must be OFF before servicing any electrical component. Disconnect the negative battery cable to prevent an electrical spark should a tool or equipment come in contact with an exposed electrical terminal. Failure to follow these precautions may result in personal injury and/or damage to the vehicle or its components.

Removal Procedure



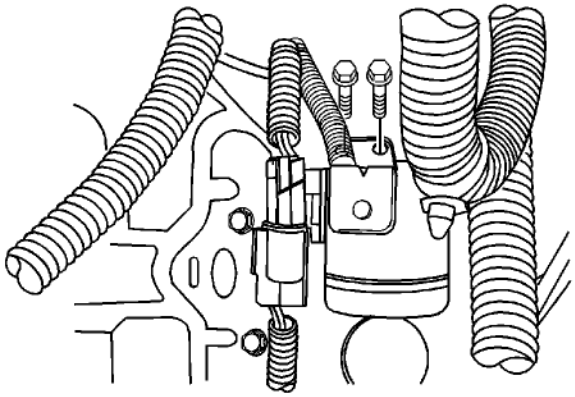
1. Remove the theft deterrent alarm electrical connector.
2. Remove the theft deterrent alarm bracket mounting bolts and the theft deterrent alarm.

Installation Procedure

Notice: Refer to Fastener Notice in the Preface section.

© 2010 General Motors Corporation. All rights reserved.

cardiagn.com



1. Install the theft deterrent alarm with the mounting bolts.

   Tighten
   Tighten the theft deterrent alarm bracket mounting bolts to 11 N·m (97 lb in).

2. Connect the theft deterrent alarm electrical connector.

cardiagn.com

Programming Theft Deterrent System Components (Tech 2)

Important: To confirm if the vehicle has an immobilzer system, please check the vehicle SPID label or the VIN in GMVIS for the presence of RPO BAH (engine immobilizer).

Important: Turn ON the ignition before installing in the scan tool. Failure to connect in this procedure may cause communication errors and the programming procedure will not complete. Any keys that are not programmed at this time will no longer function.

Important: Try to obtain all the keys. At least 2 keys are necessary to successfully program the immobilizer system.

A maximum of 5 keys may be programmed.

Conditions

Use these procedures after replacing:

- Theft deterrent control module (Immobilizer)
- Engine control module (ECM)
- Any key

Immobilizer Programming Procedure

1. Turn the ignition switch to the ON position.
2. Install the scan tool.
3. Select IMMOBILIZER PROGRAMMING FUNCTION from the BODY menu.
4. Follow the scan tool instructions with each key until all keys are programmed.
5. Turn the ignition to the LOCK position, disconnect the scan tool and test all the keys.
6. If any key does not function, perform this procedure again with all keys.
7. If any key does not accept the programming, replace it with a new key and perform this procedure again with all the keys.

cardiagn.com

© 2010 General Motors Corporation. All rights reserved.