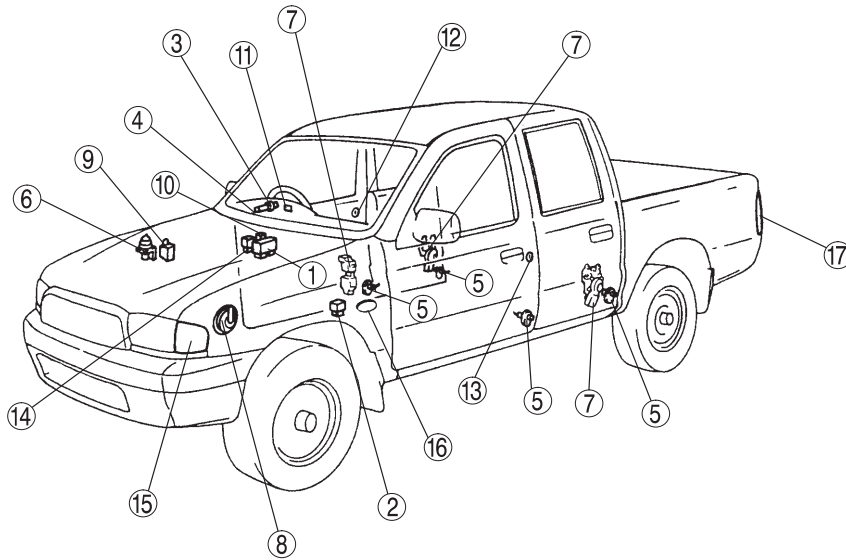


THEFT-DETERRENT SYSTEM

THEFT-DETERRENT SYSTEM

STRUCTURAL VIEW

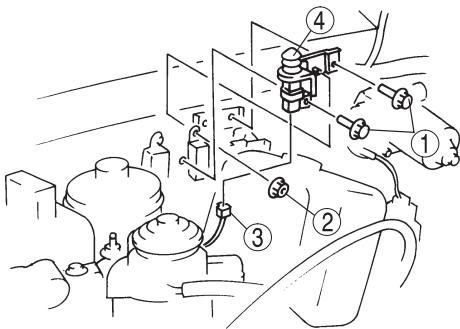


1	Theft-deterrent control module
2	Theft-deterrent relay
3	Key reminder switch
4	Ignition switch
5	Door switch
6	Bonnet switch
7	Door lock-link switch
8	Theft-deterrent horn
9	Theft-deterrent horn relay

10	Flasher unit
11	Security light
12	Driver's door key cylinder switch
13	Passenger's door key cylinder switch
14	Door lock timer unit
15	Front turn light
16	Front side turn light
17	Rear combination light

BONNET SWITCH REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the theft-deterrent horn relay. (Refer to THEFT-DETERRENT HORN RELAY REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.



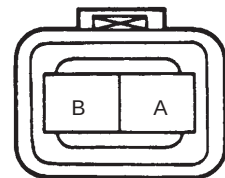
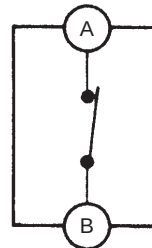
1	Bolt
2	Nut
3	Connector
4	Bonnet switch

BONNET SWITCH INSPECTION

1. Disconnect the bonnet switch connector.
2. Inspect for continuity between the bonnet switch terminals using an ohmmeter.

○—○ : Continuity

Switch position	Terminal	
	A	B
Closed		
Open	○—○	○—○

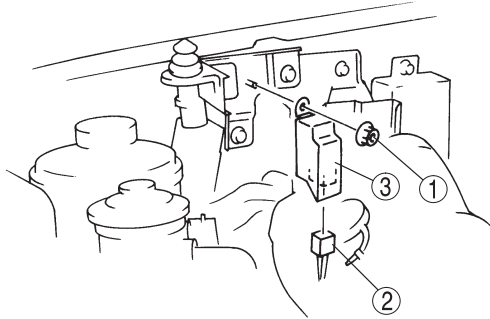


3. If not as specified, replace the bonnet switch.

THEFT-DETERRENT SYSTEM

THEFT-DETERRENT HORN RELAY REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the washer tank from the bracket.
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.



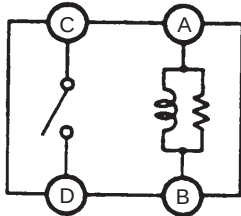
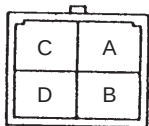
1	Nut
2	Connector
3	Theft-deterrent horn relay

THEFT-DETERRENT HORN RELAY INSPECTION

1. Remove the theft-deterrent horn relay.
2. Inspect for continuity between the theft-deterrent horn relay terminals using an ohmmeter.

○—○ : Continuity B+: Battery positive voltage

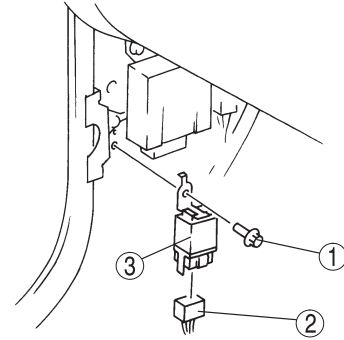
Step	Terminal			
	A	B	C	D
1	○—○	○—○		
2	B+	GND	○—○	○—○



3. If not as specified, replace the theft-deterrent horn relay.

THEFT-DETERRENT RELAY REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the front side trim. (Refer to section S, TRIM, FRONT SIDE TRIM REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.



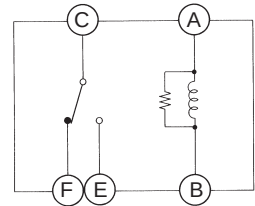
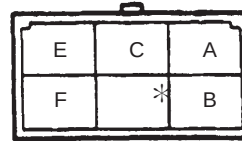
1	Bolt
2	Connector
3	Theft-deterrent relay

THEFT-DETERRENT RELAY INSPECTION

1. Remove the theft-deterrent relay.
2. Inspect for continuity between the theft-deterrent relay terminals using an ohmmeter.

○—○ : Continuity B+: Battery positive voltage

Step	Terminal				
	A	B	C	F	E
1	○—○	○—○	○—○	○—○	
2	B+	GND	○—○		○—○



3. If not as specified, replace the theft-deterrent relay.

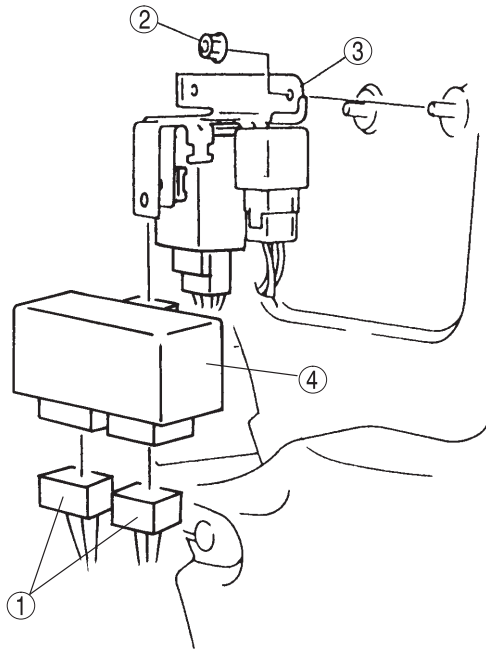
THEFT-DETERRENT CONTROL MODULE REMOVAL/INSTALLATION

Note

- Because the lock section of the relay is damaged easily, do not remove the relay from the bracket unless replacement is necessary. Always perform an inspection of the relay before removal.

1. Disconnect the negative battery cable.
2. Remove the flasher unit. (Refer to EXTERIOR LIGHTING SYSTEM, FLASHER UNIT REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.

THEFT-DETERRENT SYSTEM



1	Theft-deterrent control module connector
2	Nut
3	Bracket
4	Theft-deterrent control module + Removal Note

Theft-deterrent Control Module Removal Note

- Remove the theft-deterrent control module by prying the lock section of side part with a flathead screwdriver.

THEFT-DETERRENT SYSTEM

THEFT-DETERRENT CONTROL MODULE INSPECTION (VEHICLES BUILT UP TO 07/2002)

1. Remove the theft-deterrent control module without disconnecting the connectors.
2. Measure the voltage at the theft-deterrent control module terminals as indicated below.
3. Disconnect the theft-deterrent control module connectors before inspecting for continuity at terminals 1F, 2K, 2M, 2N and 2R.
4. If not as specified, inspect the parts listed under "inspection area" and related wiring harnesses.
5. If the parts and wiring harnesses are okay but the system still does not work properly, replace the theft-deterrent control module.

Terminal Voltage List (Reference)

B+: Battery positive voltage

1F 1E 1D 1C 1B 1A 2S 2Q 2O 2M 2K 2I 2G 2E 2C 2A 2T 2R 2P 2N 2L 2J 2H 2F 2D 2B						
Terminal	Signal	Connection	Test condition		Voltage (V) /Continuity	Inspection area
1A	IG1	ENGINE 15 A fuse	Ignition switch at ON position		B+	● Ignition switch ● ENGINE 15 A fuse
			Ignition switch at LOCK or ACC position		0	
1B	Power supply	ROOM 10 A fuse	Constant		B+	ROOM 10 A fuse
1C	Flasher input	● Turn switch ● Hazard warning switch ● Flasher unit	Ignition switch at ON position	Turn switch on	Alternates 0 and B+	● Turn switch ● Hazard warning switch ● Flasher unit
				Turn switch off	0	
			Hazard warning switch on		Alternates 0 and B+	
			Hazard warning switch off		0	
			Theft-deterrent system alarm 1: Active		Alternates 0 and B+	
			Theft-deterrent system alarm 1: Other		0	
1D	Turn (LH)	Turn light (LH)	Ignition switch at ON position	Turn switch on	Alternates 0 and B+	Turn light (LH)
				Turn switch off	0	
			Hazard warning switch on		Alternates 0 and B+	
			Hazard warning switch off		0	
			Theft-deterrent system alarm 1: Active		Alternates 0 and B+	
			Theft-deterrent system alarm 1: Other		0	
1E	Turn (RH)	Turn light (RH)	Ignition switch at ON position	Turn switch on	Alternates 0 and B+	Turn light (RH)
				Turn switch off	0	
			Hazard warning switch on		Alternates 0 and B+	
			Hazard warning switch off		0	
			Theft-deterrent system alarm 1: Active		Alternates 0 and B+	
			Theft-deterrent system alarm 1: Other		0	
1F	Theft-deterrent control module ground	GND	Constant: inspect for continuity to ground		Yes	—

THEFT-DETERRENT SYSTEM

B+: Battery positive voltage

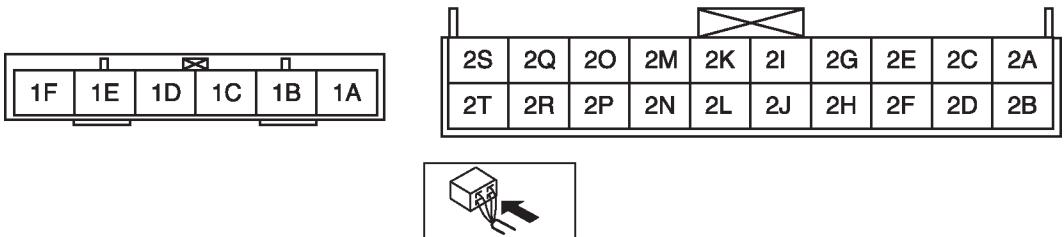
Terminal	Signal	Connection	Test condition	Voltage (V) /Continuity	Inspection area
2A	—	Not used	—	—	—
2B	—	Not used	—	—	—
2C	Theft-deterrent horn on/off	Theft-deterrent horn relay	Theft-deterrent system alarm 1: Active	Alternates 0 and B+	Theft-deterrent horn relay
			Theft-deterrent system alarm 1: Other	B+	
2D	Key reminder switch on/off	Key reminder switch	Key reminder switch on	B+	Key reminder switch
			Key reminder switch off	0	
2E	—	Not used	—	—	—
2F	—	Not used	—	—	—
2G	—	Not used	—	—	—
2H	—	Not used	—	—	—
2I	—	Not used	—	—	—
2J	—	Not used	—	—	—
2K	Lock/unlock	- Door lock timer unit - Driver's door lock-link switch	Driver's door lock-link switch locked: inspect for continuity to ground	No	Driver's door lock-link switch
			Driver's door lock-link switch unlocked: inspect for continuity to ground	Yes	
2L	—	Not used	—	—	—
2M	Lock/unlock	Rear door lock-link switch	Rear door lock-link switch locked: inspect for continuity to ground	No	Rear door lock-link switch
			Rear door lock-link switch unlocked: inspect for continuity to ground	Yes	
2N	Bonnet open/closed	Bonnet switch	Bonnet switch on: inspect for continuity to ground	Yes	Bonnet switch
			Bonnet switch off: inspect for continuity to ground	No	
2O	Door key cylinder switch	- Driver's door key cylinder switch - Passenger's door key cylinder switch	Driver's or passenger's door locked with key	2.5	Driver's or passenger's door key cylinder switch
			Driver's or passenger's door unlocked with key	0	
			Other	5	
2P	—	Not used	—	—	—
2Q	Security light on/off	Security light	Security light on	0	Security light
			Security light off	B+	
2R	Door open/closed	Door switch	Any door open: inspect for continuity to ground	Yes	Door switch
			All doors closed: inspect for continuity to ground	No	
2S	Theft-deterrent relay on/off	Theft-deterrent relay	Theft-deterrent system alarm 1: Active	0	Theft-deterrent relay
			Theft-deterrent system alarm 1: Other	B+	
2T	—	Not used	—	—	—

THEFT-DETERRENT SYSTEM

THEFT-DETERRENT CONTROL MODULE INSPECTION (VEHICLES BUILT FROM 08/2002)

1. Remove the theft-deterrent control module without disconnecting the connectors.
2. Measure the voltage at the theft-deterrent control module terminals as indicated below.
3. Disconnect the theft-deterrent control module connectors before inspecting for continuity at terminals 1F, 2K, 2M, 2N and 2R.
4. If not as specified, inspect the parts listed under "Action."
 - If the parts and wiring harnesses are okay but the system still does not work properly, replace the theft-deterrent control module.

Terminal Voltage List (Reference)

THEFT-DETERRENT CONTROL MODULE CONNECTOR					
					
Terminal	Signal	Connected to	Test condition	Voltage (V)/ Continuity	Action
1A	IG1	ENGINE 15 A fuse	Engine switch at ON position	B+	● Inspect engine switch ● ENGINE 15 A fuse ● Inspect related harness
			Engine switch a LOCK or ACC position	Below 1.0	
1B	Power supply	ROOM 10 A fuse	Under any condition	B+	● ROOM 10 A fuse
1C	—	—	—	—	—
1D	—	—	—	—	—
1E	—	—	—	—	—
1F	Theft-deterrent control module ground	GND	Under any condition: inspect for continuity to ground	Yes	—
2A	—	—	—	—	—
2B	—	—	—	—	—
2C	Theft-deterrent horn on/off	Theft-deterrent horn relay	Theft-deterrent system alarm 1: Other	B+	● Inspect theft-deterrent horn relay ● Inspect related harness
			Theft-deterrent system alarm 1: Active	Alternates below 1.0 and B+	
2D	Key reminder switch on/off	Key reminder switch	Key reminder switch on	B+	● Inspect key reminder switch ● Inspect related harness
			Key reminder switch off	Below 0.1	
2E	—	—	—	—	—
2F	—	—	—	—	—
2G	—	—	—	—	—
2H	—	—	—	—	—
2I	—	—	—	—	—

THEFT-DETERRENT SYSTEM

Terminal	Signal	Connected to	Test condition		Voltage (V)/ Continuity	Action
2J	Keyless entry system discegment signal input	Keyless unit	Under any condition		5	- Inspect keyless unit - Inspect related harness
2K	Lock/unlock	- Door lock timer unit - Driver's door lock-link switch	Driver's door lock-link switch unlocked: inspect for continuity to ground		No	- Inspect driver's door lock-link switch - Inspect related harness
			Driver's door lock-link switch unlocked: inspect for continuity to ground		Yes	
2L	—	—	—		—	—
2M	Lock/unlock	- Passenger's door lock-link switch - Rear door lock-link switch	Rear door closed	Passenger's and rear door lock-link switch locked: inspect for continuity to ground	No	- Inspect passenger's or rear door lock-link switch - Inspect related harness
				Passenger's and rear door lock-link switch unlocked: inspect for continuity to ground	Yes	
2N	Bonnet open/closed	Bonnet switch	Bonnet switch on: inspect for continuity to ground		Yes	- Inspect bonnet switch - Inspect related harness
			Bonnet switch off: inspect for continuity to ground		No	
2O	Door key cylinder switch	- Driver's door key cylinder switch - Passenger's door key cylinder switch - keyless unit - Instrument cluster - Door lock timer unit	Driver's or passenger's door locked with key or transmitter		2.5	- Inspect driver's or passenger's door key cylinder switch - Inspect keyless unit (See KEYLESS UNIT INSPECTION) - Inspect related harness
			Driver's or passenger's door unlocked with key or transmitter		Below 1.0	
			Other		5	
2P	—	—	—		—	—
2Q	Security light on/off	Security light	Security light on		Below 0.1	- Inspect security light - Inspect related harness
			Security light off		B+	
2R	Door open/closed	Door switch	Any door open: inspect for continuity to ground		Yes	- Inspect door switch - Inspect related harness
			All doors closed: inspect for continuity to ground		No	

THEFT-DETERRENT SYSTEM

Terminal	Signal	Connected to	Test condition	Voltage (V)/ Continuity	Action
2S	Hazard warning signal output	Flasher unit	Theft-deterrent system alarm 1: Active	Below 1.0	- Inspect flasher unit (See FLASHER UNIT INSPECTION) - Inspect related harness
			Theft-deterrent system alarm 1: Other	B+	
2T	—	—	—	—	—