

SECTION **SEC**

SECURITY CONTROL SYSTEM

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

CONTENTS

INTELLIGENT KEY SYSTEM	
BASIC INSPECTION	3
INSPECTION AND ADJUSTMENT	3
ECM RE-COMMUNICATING FUNCTION	3
ECM RE-COMMUNICATING FUNCTION : De- scription	3
ECM RE-COMMUNICATING FUNCTION : Work Procedure	3
SYSTEM DESCRIPTION	4
INTELLIGENT KEY SYSTEM/ENGINE	
START FUNCTION	4
System Diagram	4
System Description	4
Component Parts Location	7
NISSAN VEHICLE IMMOBILIZER SYSTEM-	
NATS	9
System Diagram	9
System Description	9
Component Parts Location	10
VEHICLE SECURITY SYSTEM	12
System Diagram	12
System Description	12
Component Parts Location	14
DTC/CIRCUIT DIAGNOSIS	16
POWER SUPPLY AND GROUND CIRCUIT	16
BCM	16
BCM : Diagnosis Procedure	16
IPDM E/R	16
IPDM E/R : Diagnosis Procedure	16
HOOD SWITCH	18
Description	18
Diagnosis Procedure	18
Component Inspection	18
HEADLAMP	20
Description	20
Component Function Check	20
Diagnosis Procedure	20
SECURITY INDICATOR LAMP	21
Description	21
Diagnosis Procedure	21
Component Inspection	21
KEY WARNING LAMP	23
Description	23
Diagnosis Procedure	23
HORN	24
Description	24
Diagnosis Procedure	24
Component Inspection	25
VEHICLE SECURITY HORN	26
Description	26
Diagnosis Procedure	26
Component Inspection	28
INTELLIGENT KEY SYSTEM/ENGINE	
START FUNCTION	29
Wiring Diagram - INTELLIGENT KEY SYSTEM/ ENGINE START FUNCTION -	29
NISSAN VEHICLE IMMOBILIZER SYSTEM-	
NATS	31
Wiring Diagram - NVIS -	31
VEHICLE SECURITY SYSTEM	33
Wiring Diagram - VEHICLE SECURITY SYSTEM -	33
SYMPTOM DIAGNOSIS	34
STEERING DOES NOT LOCK	34

SEC

Description	34	PRECAUTION	37
Diagnosis Procedure	34	PRECAUTIONS	37
SECURITY INDICATOR LAMP DOES NOT TURN ON OR FLASH	35	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER"	37
Description	35	Precautions Necessary for Steering Wheel Rota- tion After Battery Disconnection	37
Diagnosis Procedure	35	Precaution for Procedure without Cowl Top Cover... 38	
VEHICLE SECURITY SYSTEM CAN NOT BE SET	36	Precaution for Battery Service	38
INTELLIGENT KEY	36	REMOVAL AND INSTALLATION	39
INTELLIGENT KEY : Description	36	SECURITY INDICATOR LAMP	39
INTELLIGENT KEY : Diagnosis Procedure	36	Exploded View	39
DOOR REQUEST SWITCH	36	Removal and Installation	39
DOOR REQUEST SWITCH : Description	36		
DOOR REQUEST SWITCH : Diagnosis Proce- dure	36		

BASIC INSPECTION

INSPECTION AND ADJUSTMENT ECM RE-COMMUNICATING FUNCTION

ECM RE-COMMUNICATING FUNCTION : Description

INFOID:000000009163595

Performing the following procedure can automatically perform re-communication of ECM and BCM, but only when the ECM has been replaced with a new one (*1).

*1: New one means a virgin ECM which has never been energized on-board.

(In this step, initialization procedure by CONSULT is not necessary)

NOTE:

- When registering new Key IDs or replacing the ECM that is not brand new, follow the instruction of CONSULT display.
- If multiple keys are attached to the key holder, separate them before beginning work.
- Distinguish keys with unregistered key IDs from those with registered IDs.

ECM RE-COMMUNICATING FUNCTION : Work Procedure

INFOID:000000009163596

1. PERFORM ECM RE-COMMUNICATING FUNCTION

1. Install ECM.
2. Insert the registered Intelligent Key (*2), turn ignition switch to "ON".
*2: To perform this step, use the key that has been used before performing ECM replacement.
3. Maintain ignition switch in the "ON" position for at least 5 seconds.
4. Turn ignition switch to "OFF".
5. Start engine.

Can engine be started?

- YES >> Procedure is completed.
- NO >> Initialize control unit.

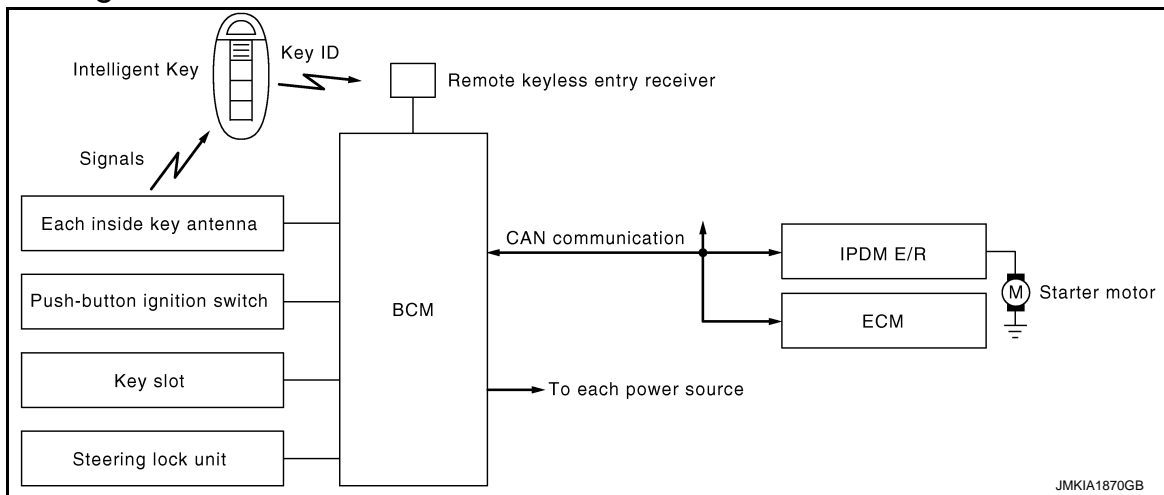
A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

SYSTEM DESCRIPTION

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

System Diagram



System Description

INFOID:000000009163598

- The engine start function of Intelligent Key system is a system that makes it possible to start and stop the engine without removing the key. It verifies the electronic ID using two-way communication when pressing the push-button ignition switch while carrying the Intelligent Key, which operates based on the results of electronic ID verification for Intelligent Key using two-way communication between the Intelligent Key and the vehicle.

NOTE:

The driver should carry the Intelligent Key at all times.

- Intelligent Key has 2 IDs [for Intelligent Key and for NVIS (NATS)]. It can perform the door lock/unlock operation and the push-button ignition switch operation when the registered Intelligent Key is carried.
- When the Intelligent Key battery is discharged, it can be used as emergency back-up by inserting the Intelligent Key to the key slot. At that time, perform the NVIS (NATS) ID verification. If it is used when the Intelligent Key is carried, perform the Intelligent Key ID verification.
- If the ID is successfully verified, and when push-button ignition switch is pressed, steering lock will be released and starting the engine will be possible.
- If the door lock/unlock operation is performed when the Intelligent Key battery is discharged, all doors lock/unlock can be performed by operating the driver door key cylinder using the mechanical key set in the Intelligent Key.
- Up to 4 Intelligent Keys can be registered (Including the standard Intelligent Key) on request from the owner.

NOTE:

- Refer to [SEC-4, "System Description"](#) for any functions other than engine start function of Intelligent Key system.

PRECAUTIONS FOR INTELLIGENT KEY SYSTEM

- **In the Intelligent Key system, the transponder [the chip for NVIS (NATS) ID verification] is integrated into the Intelligent Key. (For the conventional models, it is integrated into the mechanical key.) Therefore, the mechanical key cannot perform the ID verification, and thus it cannot start the engine. Instead, the NVIS (NATS) ID verification can be performed by inserting the Intelligent Key into the key slot, and then it can start the engine.**

OPERATION WHEN INTELLIGENT KEY IS CARRIED

1. When the push-button ignition switch is pressed, the BCM signals the inside key antenna and transmits the request signal to the Intelligent Key.
2. The Intelligent Key receives the request signal and transmits the Intelligent Key ID signal to the BCM via the remote keyless entry receiver.
3. The BCM receives the Intelligent Key ID signal and verifies it with the registered ID.

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

4. BCM transmits the steering lock unlock signal to steering lock unit and IPDM E/R if the verification results are OK. A
5. IPDM E/R turns the steering lock relay ON and supplies power to the steering lock unit.
6. Release of the steering lock.
7. BCM transmits the power supply stop signal to IPDM E/R when it confirms that the steering lock is in the unlock condition. B
8. IPDM E/R turns the steering lock relay OFF and stops power supply to the steering lock unit.
9. BCM turns ACC relay ON and transmits the ignition power supply ON signal to IPDM E/R. C
10. IPDM E/R turns the ignition relay ON and starts the ignition power supply.
11. BCM confirms that the shift position is P or N.
12. BCM transmits the starter request signal via CAN communication to IPDM E/R and turns the starter relay in IPDM E/R ON if BCM judges that the engine start condition is satisfied.
13. IPDM E/R turns the starter control relay ON when receiving the starter request signal.
14. Battery power is supplied through the starter relay and the starter control relay to operate the starter motor and to start the cranking. E

CAUTION:

If a malfunction is detected in the Intelligent Key system, the “KEY” warning lamp in the combination meter illuminates. At that time, the engine cannot be started. F

15. When BCM receives feedback signal from ECM acknowledging the engine has been initiated, the BCM transmits a stop signal to IPDM E/R and stops the cranking by turning OFF the starter motor relay. (If the engine initiating has failed, the cranking will stop automatically within 5 seconds.) G

CAUTION:

When the Intelligent Key is carried outside of the vehicle (inside key antenna detection area) with the power supply in the ACC or ON position, even if the engine start condition* is satisfied, the engine cannot be started. H

*: For the engine start condition, refer to “PUSH-BUTTON IGNITION SWITCH OPERATION PROCEDURE”.

OPERATION RANGE

Engine can be started when Intelligent Key is inside the vehicle. However, sometimes engine might not start when Intelligent Key is on instrument panel or in glove box. J

OPERATION WHEN KEY SLOT IS USED

When the Intelligent Key battery is discharged, it performs the NVIS (NATS) ID verification between the integrated transponder and BCM by inserting the Intelligent Key into the key slot, and then the engine can be started.

For details relating to starting the engine using key slot, refer to [SEC-9, "System Description"](#).

BATTERY SAVER SYSTEM

When all the following conditions are met for 60 minutes, the battery saver system will cut off the power supply to prevent battery discharge.

- The ignition switch is in the ACC position
- All doors are closed
- Shift lever is in the P position

Reset Condition of Battery Saver System

If any of the following conditions are met the battery saver system is released and the steering will change automatically to the lock position from the OFF position.

- Opening any door
- Operating with request switch on door lock
- Operating with Intelligent Key on door lock

Pressing the push-button ignition switch and ignition switch will change the ignition switch to ACC position from OFF position. P

STEERING LOCK OPERATION

Steering is locked by steering lock unit when ignition switch is in the OFF position, shift lever is in the P position and any of the following conditions are met.

- Opening door
- Closing door
- Door is locked with request switch
- Door is locked with Intelligent Key

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

POWER SUPPLY POSITION CHANGE TABLE BY PUSH-BUTTON IGNITION SWITCH OPERATION

The power supply position changing operation can be performed with the following operations.

NOTE:

- When an Intelligent Key is within the detection area of inside key antenna and when it is inserted to the key slot, it is equivalent to the operations below.
- When starting the engine, the BCM monitors under the engine start conditions,
 - Brake pedal operating condition
 - Shift lever position
 - Vehicle speed

Vehicle speed: less than 4 km/h (2.5 MPH)

Power supply position	Engine start/stop condition		Push-button ignition switch operation frequency
	Shift lever position	Brake pedal operation condition	
LOCK → ACC	—	Not depressed	1
LOCK → ACC → ON	—	Not depressed	2
LOCK → ACC → ON → OFF	—	Not depressed	3
LOCK → START ACC → START ON → START	P or N position	Depressed	1
Engine is running → OFF	—	—	1

Vehicle speed: 4 km/h (2.5 MPH) or more

Power supply position	Engine start/stop condition		Push-button ignition switch operation frequency
	Shift lever position	Brake pedal operation condition	
Engine is running → ACC	—	—	Emergency stop operation
Engine stall return operation while driving	N position	Not depressed	1

Emergency stop operation

- Press and hold the push-button ignition switch for 2 seconds or more.
- Press the push-button ignition switch 3 times or more within 1.5 seconds.

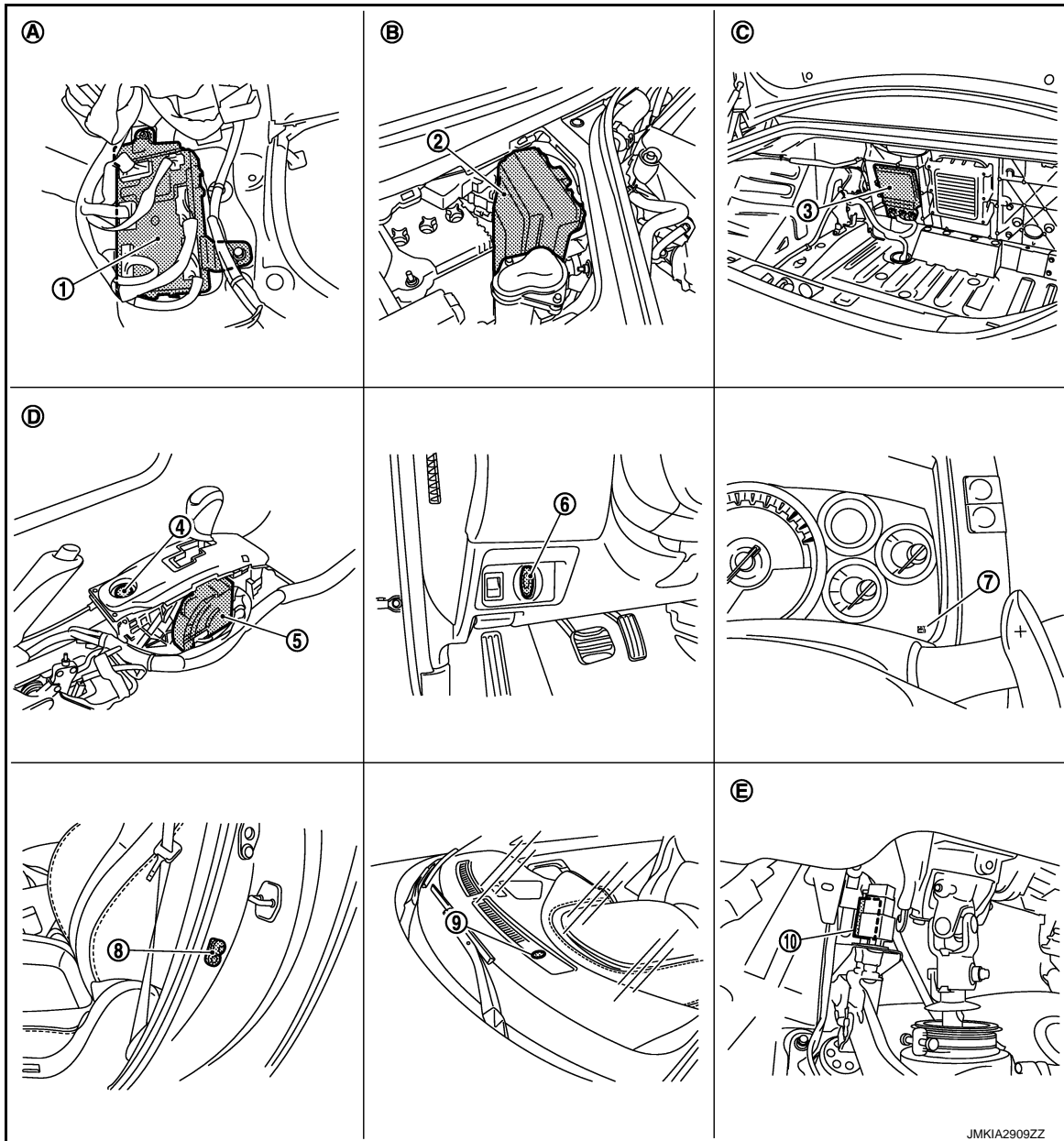
INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

Component Parts Location

INFOID:000000009163599

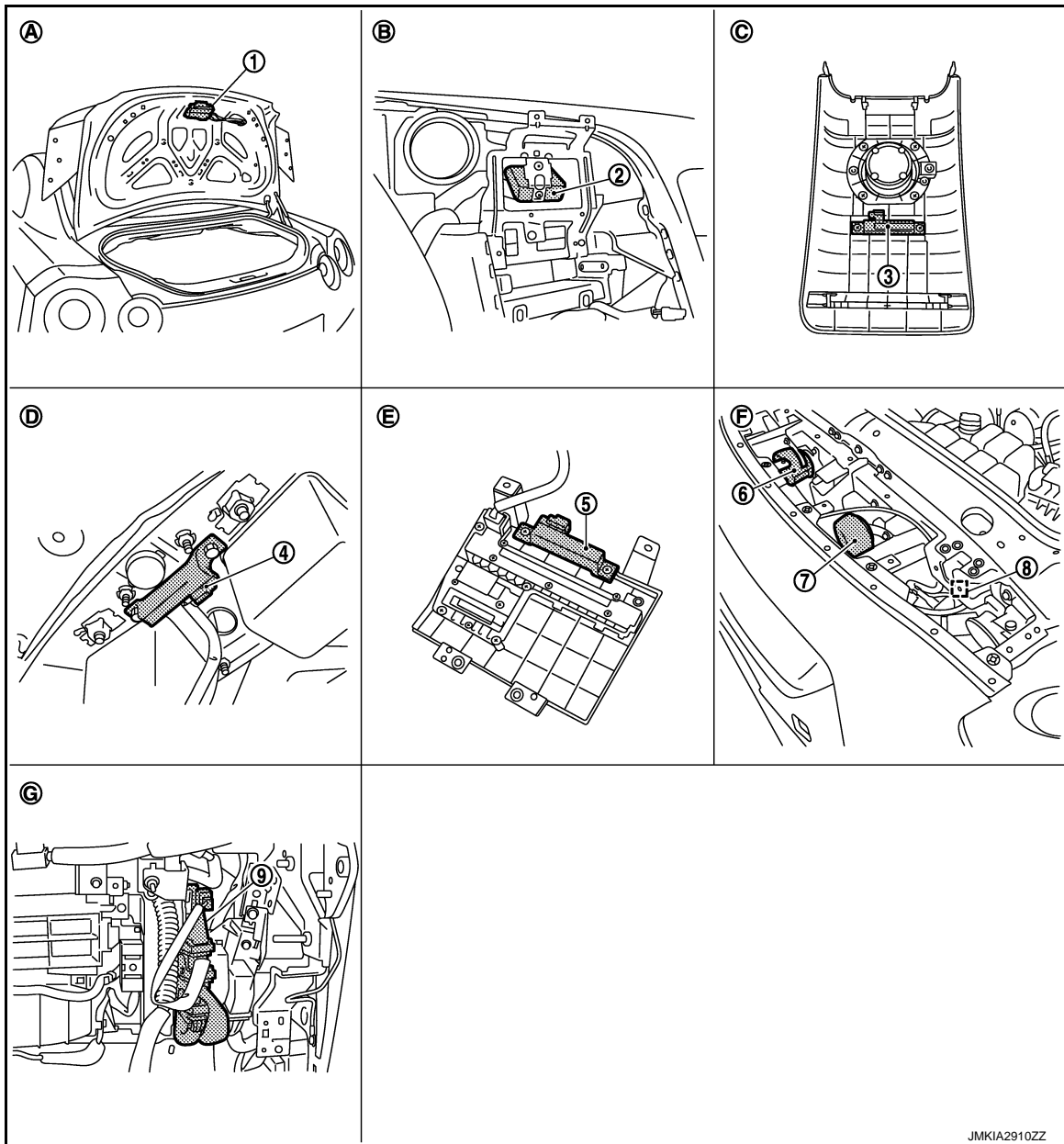


- | | | |
|----------------------------------------------|------------------------------------------------------|-------------------------------------------|
| 1. BCM M118, M119, M121, M122, M123 | 2. IPDM E/R E4, E5, E6, E7 | 3. TCM B45 |
| 4. Push-button ignition switch M131 | 5. A/T shift selector (detention switch) B20 | 6. Key slot M60 |
| 7. Combination meter (Key warning lamp) M53 | 8. Driver side door switch B21 | 9. Security indicator lamp M29 |
| 10. Stop lamp switch E110 | | |
| A. Behind the instrument lower panel RH | B. Engine room dash panel (RH) | C. View with trunk front finisher removed |
| D. View with center console assembly removed | E. View with instrument lower panel (driver) removed | |

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]



JMKIA2910ZZ

- | | | |
|----------------------------------------------------------|-----------------------------------------------|--------------------------------------|
| 1. Trunk lid lock assembly (trunk room lamp switch) B352 | 2. Remote keyless entry receiver M134 | 3. Inside key antenna (console) M146 |
| 4. Inside key antenna (trunk room) B41 | 5. Inside key antenna (instrument center) M75 | 6. Horn (high) E79, E80 |
| 7. Horn (low) E81, E82 | 8. Hood switch E83 | 9. ECM M107 |
| A. View with trunk lid finisher removed | B. Behind the display unit | C. Back of the rear console assembly |
| D. Behind the trunk front finisher | E. Back of the cluster kid C (lower) | F. Behind the front bumper |
| G. Behind the instrument lower panel (assist) | | |

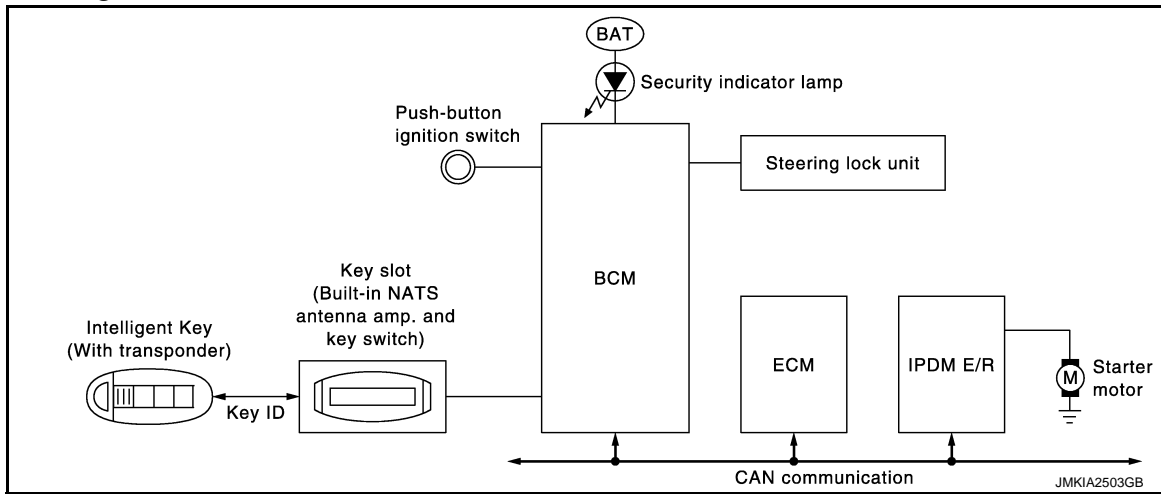
NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS

System Diagram



INFOID:000000009163601

System Description

INFOID:000000009163602

- The NVIS (NATS) is an anti-theft system by registering an Intelligent Key ID in to the vehicle and prevents the engine being started by an unregistered Intelligent Key. It has a higher protection against auto thefts that duplicate mechanical key.
- It performs the ID verification when starting the engine in the same way as the Intelligent Key system. But, it performs the NVIS (NATS) ID verification when inserting the Intelligent Key and performs the Intelligent Key ID verification when carrying the Intelligent Key.
- The mechanical key integrated in the Intelligent Key cannot start the engine. When the Intelligent Key battery is discharged, the NVIS (NATS) ID verification memorized to the transponder integrated with Intelligent Key is performed by inserting the Intelligent Key into the key slot. If the verification results are OK, the engine start operation can be performed by the push-button ignition switch operation.
- Locate the security indicator and apply the anti-theft system equipment sticker, forewarn that the NVIS (NATS) is onboard with the model.
- The security indicator always blinks when the power supply position is in any position except the ON position.
- Up to 4 Intelligent Keys can be registered (Including the standard ignition key) on request from the owner.
- The specified registration is required when replacing ECM, BCM or Intelligent Key. The registrations procedure for NVIS (NATS) and registration procedure for Intelligent Key when installing the BCM, follow the instruction of CONSULT display.
- If ECM other than Genuine NISSAN is installed, the engine cannot be started. For ECM replacement procedure, refer to [SEC-3. "ECM RE-COMMUNICATING FUNCTION : Work Procedure"](#).

PRECAUTIONS FOR KEY REGISTRATION

- The key registration is a procedure that erases the current NVIS (NATS) ID once, and then re-registers a new ID operation. Therefore the registered Intelligent Key is necessary for this procedure. Before starting the registration operation collect all registered Intelligent Keys from the customer.
- When registering the Intelligent Key, performs only one procedure to register simultaneously both IDs (NVIS "NATS" ID registration and Intelligent Key ID registration).
The NVIS (NATS) ID registration is the procedure that registers the IDs stored into the transponder (integrated in Intelligent Key) to BCM.
The Intelligent Key ID registration is the procedure that registers the ID to BCM.
- When performing the Intelligent Key system registration only, the engine cannot be started by inserting the key into the key slot. When performing the NVIS (NATS) registration only, the engine cannot be started by pressing the push-button ignition switch when carrying the Intelligent Key. The registrations of both systems should be performed.

SECURITY INDICATOR LAMP

- Warns that the vehicle is equipped with NVIS (NATS).
- The security indicator lamp always blinks when the ignition switch is in any position except the ON position.

NOTE:

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS

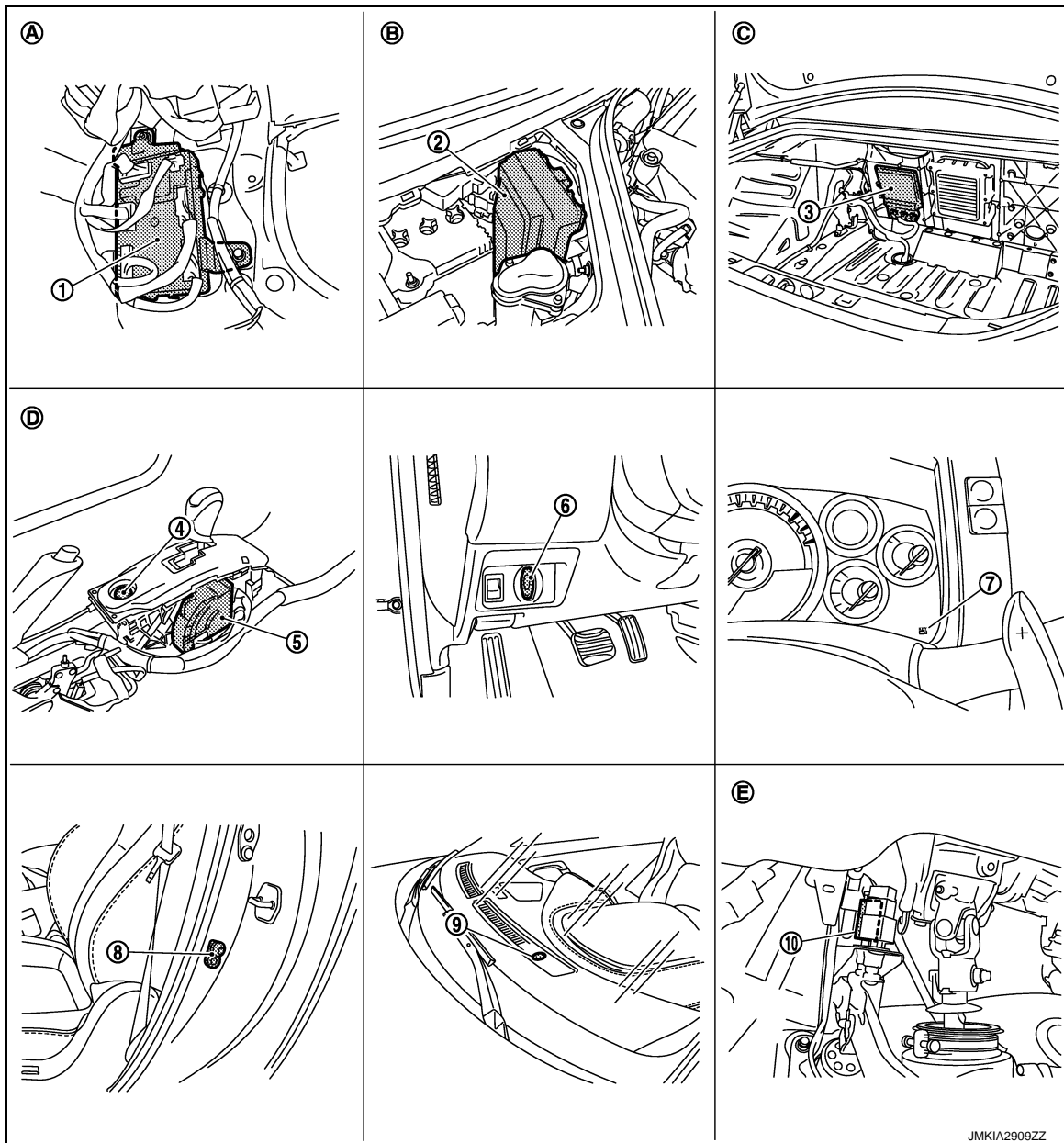
[INTELLIGENT KEY SYSTEM]

< SYSTEM DESCRIPTION >

Because security indicator lamp is highly efficient, the battery is barely affected.

Component Parts Location

INFOID:000000009163603



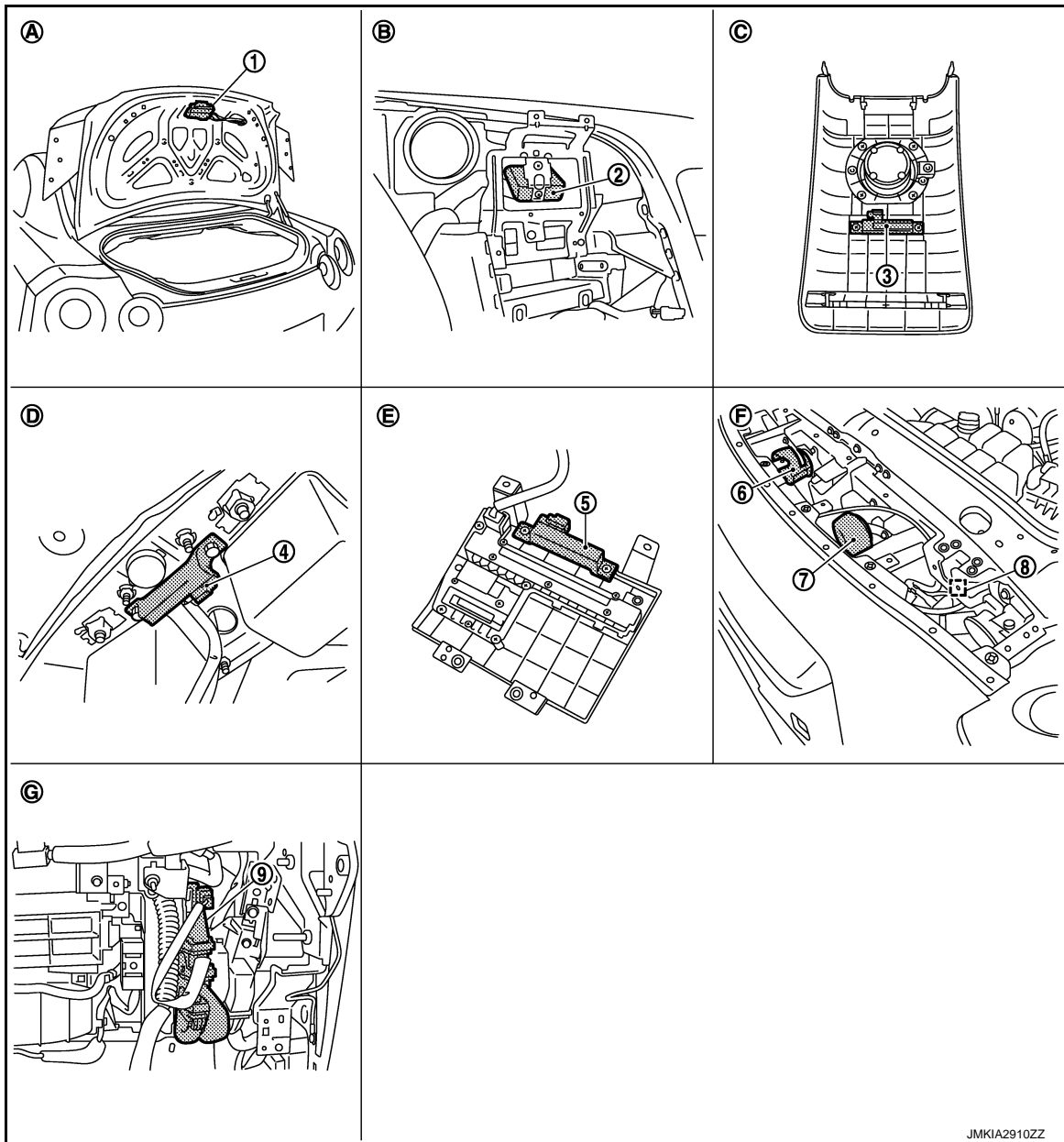
- | | | |
|----------------------------------------------|------------------------------------------------------|-------------------------------------------|
| 1. BCM M118, M119, M121, M122, M123 | 2. IPDM E/R E4, E5, E6, E7 | 3. TCM B45 |
| 4. Push-button ignition switch M131 | 5. A/T shift selector (detention switch) B20 | 6. Key slot M60 |
| 7. Combination meter (Key warning lamp) M53 | 8. Driver side door switch B21 | 9. Security indicator lamp M29 |
| 10. Stop lamp switch E110 | | |
| A. Behind the instrument lower panel RH | B. Engine room dash panel (RH) | C. View with trunk front finisher removed |
| D. View with center console assembly removed | E. View with instrument lower panel (driver) removed | |

JMKIA2909ZZ

NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]



- | | | |
|----------------------------------------------------------|-----------------------------------------------|--------------------------------------|
| 1. Trunk lid lock assembly (trunk room lamp switch) B352 | 2. Remote keyless entry receiver M134 | 3. Inside key antenna (console) M146 |
| 4. Inside key antenna (trunk room) B41 | 5. Inside key antenna (instrument center) M75 | 6. Horn (high) E79, E80 |
| 7. Horn (low) E81, E82 | 8. Hood switch E83 | 9. ECM M107 |
| A. View with trunk lid finisher removed | B. Behind the display unit | C. Back of the rear console assembly |
| D. Behind the trunk front finisher | E. Back of the cluster kid C (lower) | F. Behind the front bumper |
| G. Behind the instrument lower panel (assist) | | |

JMKIA2910ZZ

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

VEHICLE SECURITY SYSTEM

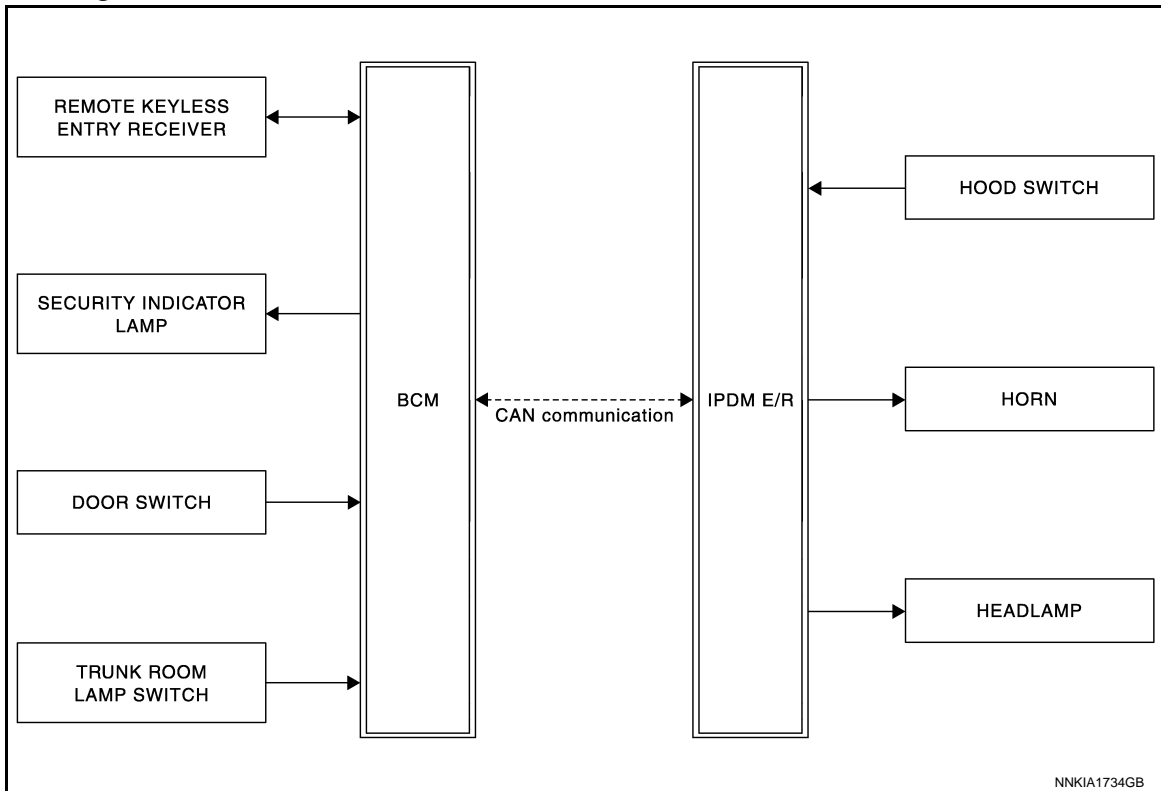
< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

VEHICLE SECURITY SYSTEM

System Diagram

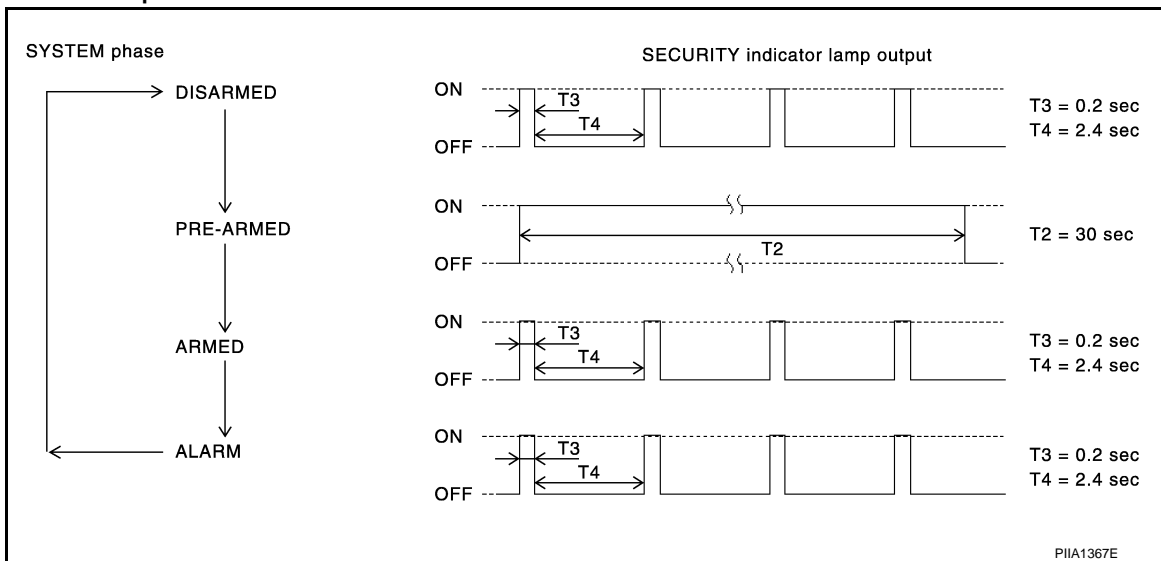
INFOID:000000009163605



NNKIA1734GB

System Description

INFOID:000000009163606



PIIA1367E

SETTING THE VEHICLE SECURITY SYSTEM

Initial Condition

- Ignition switch is in OFF position.

Disarmed Phase

- When any door or trunk is open, the vehicle security system is set in the disarmed phase on the assumption that the owner is inside or near the vehicle.
- When the vehicle security system is in the disarmed phase, the security indicator lamp blinks every 2.4 seconds.

VEHICLE SECURITY SYSTEM

[INTELLIGENT KEY SYSTEM]

< SYSTEM DESCRIPTION >

Pre-armed Phase and Armed Phase

When the following operation is performed, the vehicle security system turns into the “pre-armed” phase. (The security indicator lamp illuminates.)

1. BCM receives LOCK signal from front door request switch, Intelligent Key, after trunk and all doors are closed.
2. The security indicator lamp illuminates for 30 seconds. Then, the system automatically shifts into the “armed” phase.

CANCELING THE SET VEHICLE SECURITY SYSTEM

When one of the following operations is performed, the armed phase is canceled.

1. Unlock the all doors with the door request switch, Intelligent Key.
2. Turn ignition switch “ON” or “ACC” position.

CANCELING THE ALARM OPERATION OF THE VEHICLE SECURITY SYSTEM

When unlocking the all doors with the door request switch, Intelligent Key the alarm operation is canceled.

ACTIVATING THE ALARM OPERATION OF THE VEHICLE SECURITY SYSTEM

Check that the system is in the armed phase. (The security indicator lamp blinks every 2.4 seconds.)

When the following operation 1 or 2 is performed, the system sounds the horns and flashes the headlamps for about 50 seconds.

1. Trunk or any door is opened during armed phase.
2. Disconnecting and connecting the battery connector before canceling armed phase.

PANIC ALARM OPERATION

Intelligent Key system may or may not operate vehicle security system (horn and headlamps) as required.

When the Intelligent Key system is triggered, ground is supplied intermittently to both headlamp relay and horn relay.

When headlamp relay and horn relay are energized, then power is supplied to headlamps (high beam and low beam) and horns (high, low and vehicle security horn).

The headlamps flash and the horn sounds intermittently.

The alarm automatically turns off after 50 seconds or when BCM receives any signal from Intelligent Key, door request switch.

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

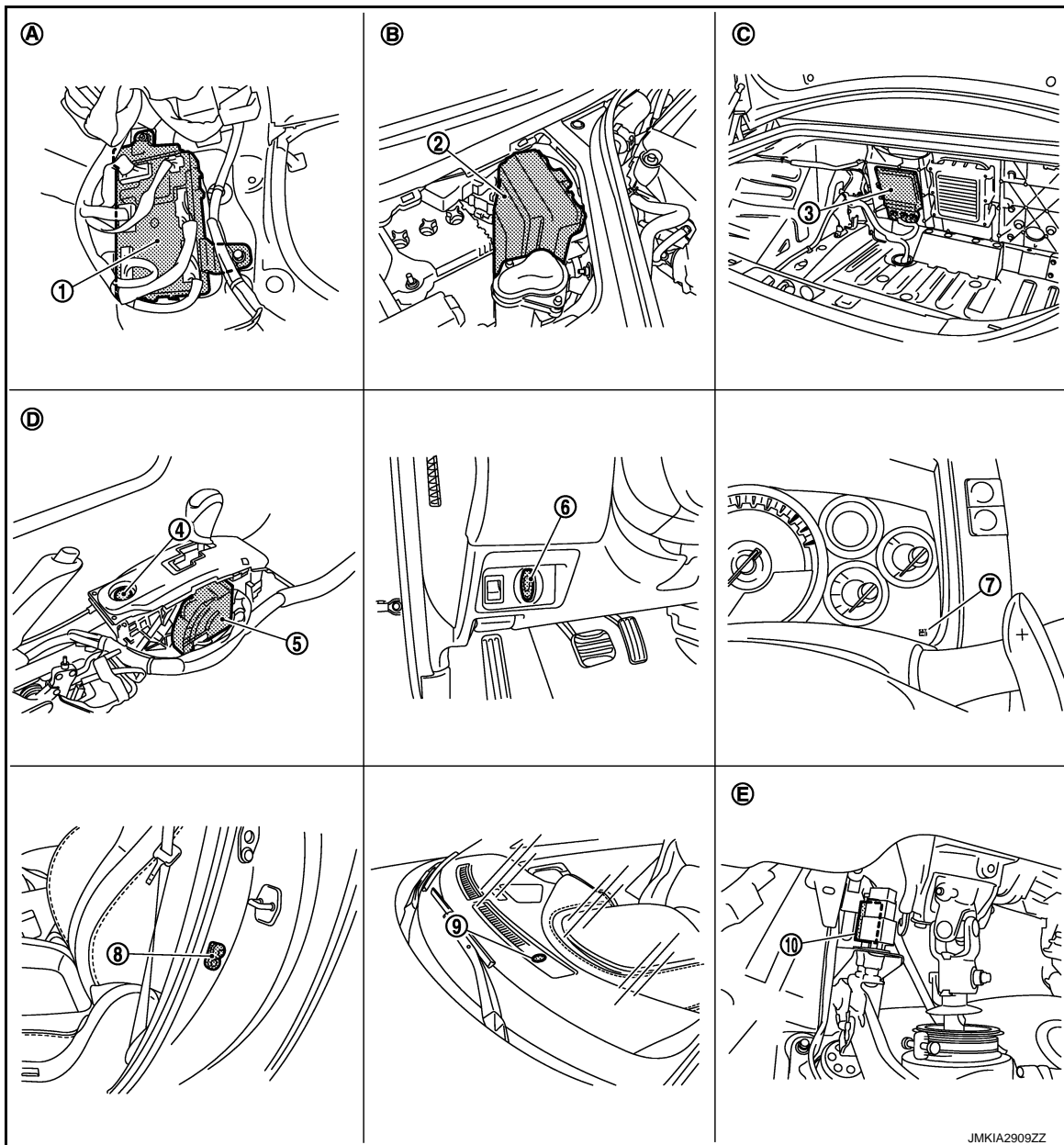
VEHICLE SECURITY SYSTEM

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]

Component Parts Location

INFOID:000000009163607



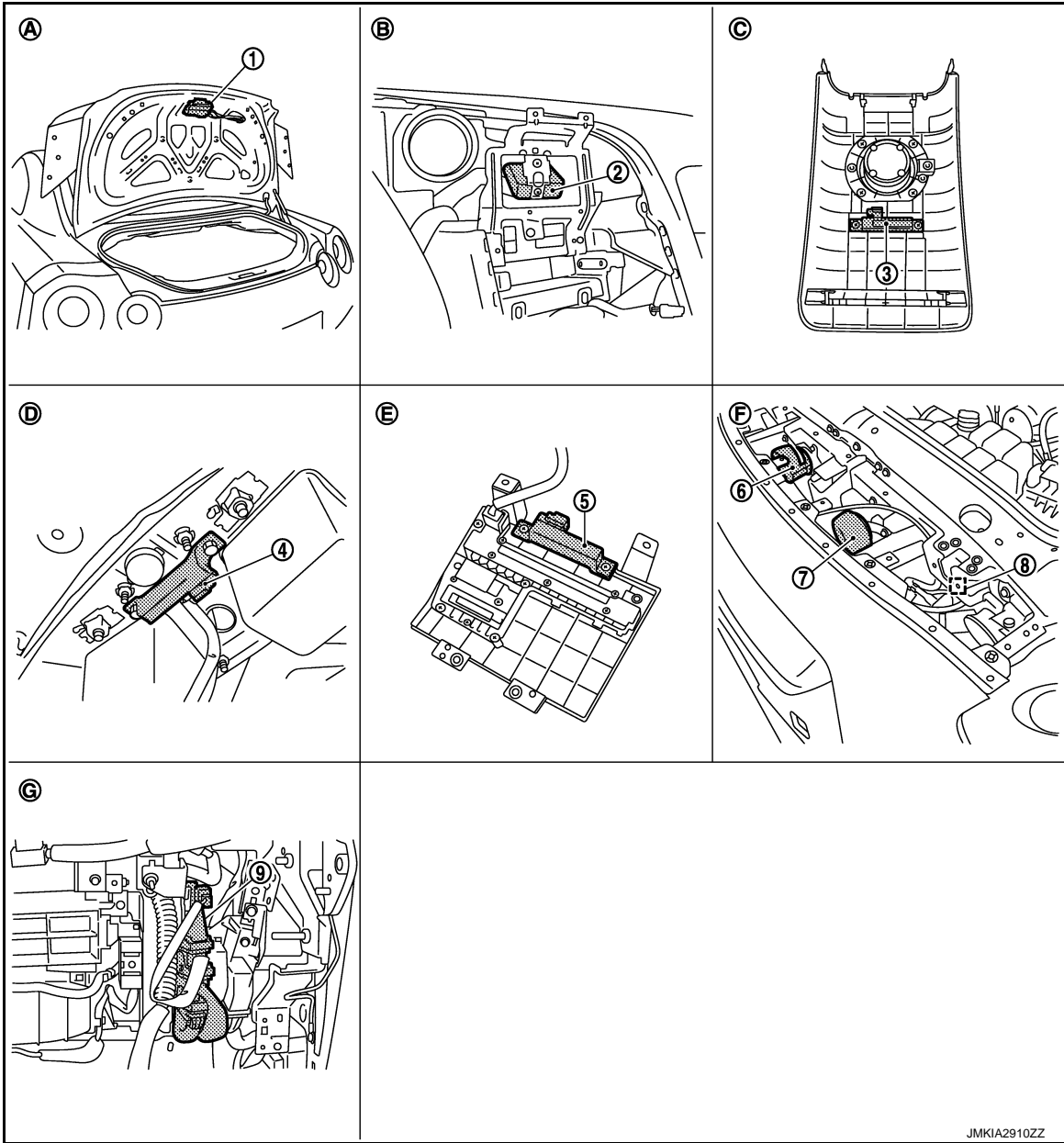
- | | | |
|----------------------------------------------|------------------------------------------------------|-------------------------------------------|
| 1. BCM M118, M119, M121, M122, M123 | 2. IPDM E/R E4, E5, E6, E7 | 3. TCM B45 |
| 4. Push-button ignition switch M131 | 5. A/T shift selector (detention switch) B20 | 6. Key slot M60 |
| 7. Combination meter (Key warning lamp) M53 | 8. Driver side door switch B21 | 9. Security indicator lamp M29 |
| 10. Stop lamp switch E110 | | |
| A. Behind the instrument lower panel RH | B. Engine room dash panel (RH) | C. View with trunk front finisher removed |
| D. View with center console assembly removed | E. View with instrument lower panel (driver) removed | |

JMKIA2909ZZ

VEHICLE SECURITY SYSTEM

< SYSTEM DESCRIPTION >

[INTELLIGENT KEY SYSTEM]



- | | | |
|----------------------------------------------------------|-----------------------------------------------|--------------------------------------|
| 1. Trunk lid lock assembly (trunk room lamp switch) B352 | 2. Remote keyless entry receiver M134 | 3. Inside key antenna (console) M146 |
| 4. Inside key antenna (trunk room) B41 | 5. Inside key antenna (instrument center) M75 | 6. Horn (high) E79, E80 |
| 7. Horn (low) E81, E82 | 8. Hood switch E83 | 9. ECM M107 |
| A. View with trunk lid finisher removed | B. Behind the display unit | C. Back of the rear console assembly |
| D. Behind the trunk front finisher | E. Back of the cluster kid C (lower) | F. Behind the front bumper |
| G. Behind the instrument lower panel (assist) | | |

JMKIA2910ZZ

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:000000009163751

1. CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

Signal name	Fuse and fusible link No.
Battery power supply	I
	10

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2. CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connectors.
3. Check voltage between BCM harness connector and ground.

Terminals		Voltage (Approx.)
(+)	(-)	
BCM		Ground Battery voltage
Connector	Terminal	
M118	1	
M119	11	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		Existed
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

IPDM E/R

IPDM E/R : Diagnosis Procedure

INFOID:000000009163752

1. CHECK FUSES AND FUSIBLE LINK

Check that the following IPDM E/R fuses or fusible links are not blown.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

Signal name	Fuses and fusible link No.
Battery power supply	C
	50
	51

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect IPDM E/R connector.
3. Check voltage between the IPDM E/R harness connector and the ground.

Terminals		Voltage (Approx.)
(+)	(-)	
IPDM E/R		Battery voltage
Connector	Terminal	
E4	1	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair the harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between the IPDM E/R harness connectors and the ground.

IPDM E/R		Ground	Continuity
Connector	Terminal		
E5	12		Existed
E6	41		

Does continuity exist?

YES >> INSPECTION END

NO >> Repair the harness or connector.

HOOD SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

HOOD SWITCH

Description

INFOID:000000009163753

Hood switch is built into hood lock (RH) and connected to IPDM E/R which detects the open/close condition of hood.

Diagnosis Procedure

INFOID:000000009163755

1.CHECK HOOD SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect IPDM E/R connector E9 and hood switch connector.
3. Check continuity between IPDM E/R harness connector and hood switch harness connector.

IPDM E/R		Hood switch		Continuity
Connector	Terminal	Connector	Terminal	
E9	104	E83	2	Existed

4. Check continuity between IPDM E/R harness connector and ground.

IPDM E/R		Ground	Continuity
Connector	Terminal		
E9	104		Not existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.CHECK IPDM E/R OUTPUT

1. Connect IPDM E/R connector.
2. Check voltage between IPDM E/R harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
IPDM E/R			
Connector	Terminal		
E9	104	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace IPDM E/R. Refer to [PCS-17, "Removal and Installation"](#).

3.CHECK HOOD SWITCH

Refer to [SEC-18, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace hood switch.

4.CHECK INTERMITTENT INCIDENT

Refer to [GI-38, "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000009163756

1.CHECK HOOD SWITCH

1. Turn ignition switch OFF.
2. Disconnect hood switch connector.
3. Check continuity between hood switch terminals.

HOOD SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

Hood switch		Condition		Continuity
Terminal				
1	2	Hood switch	Press	Not existed
			Release	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace hood switch. (Built is hood lock RH.)

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

HEADLAMP

Description

INFOID:000000009205231

Headlamp lighting when vehicle security system is alarm phase.

Component Function Check

INFOID:000000009205232

1.CHECK HEADLAMP OPERATION

Check if headlamp operate by lighting switch.

Does headlamp come on when turning switch "ON"?

YES >> Headlamp circuit is OK.

NO >> Go to [SEC-20, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000009205233

1.CHECK HEADLAMP OPERATION

Refer to [SEC-20, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> repair or replace the malfunctioning parts.

2.CHECK INTERMITTENT INCIDENT

Refer to [GI-38, "Intermittent Incident"](#).

>> INSPECTION END

SECURITY INDICATOR LAMP

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

SECURITY INDICATOR LAMP

Description

INFOID:000000009163760

NVIS (Nissan Vehicle Immobilizer System-NATS) and vehicle security system conditions are indicated by blink or illumination of security indicator lamp.

Diagnosis Procedure

INFOID:000000009163762

1. CHECK SECURITY INDICATOR LAMP POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect security indicator lamp connector.
3. Check voltage between security indicator lamp harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Security indicator lamp			
Connector	Terminal	Ground	Battery voltage
M29	1		

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the following.

- 10 A fuse [No. 6, located in the fuse block (J/B)]
- Harness for open or short between security indicator lamp and fuse.

2. CHECK SECURITY INDICATOR LAMP CIRCUIT

1. Disconnect BCM connector.
2. Check continuity between security indicator lamp harness connector and BCM harness connector.

Security indicator lamp		BCM		Continuity
Connector	Terminal	Connector	Terminal	
M29	2	M123	141	Existed

3. Check continuity between security indicator lamp harness connector and ground.

Security indicator lamp		Ground	Continuity
Connector	Terminal		
M29	2		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK SECURITY INDICATOR LAMP

Refer to [SEC-21. "Component Inspection"](#).

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-20. "Removal and Installation"](#).

NO >> Replace security indicator lamp. Refer to [SEC-39. "Removal and Installation"](#).

Component Inspection

INFOID:000000009163763

1. CHECK SECURITY INDICATOR LAMP

1. Disconnect security indicator lamp connector.
2. Check continuity between security indicator lamp terminals.

SECURITY INDICATOR LAMP

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

Terminal		Continuity
Security indicator lamp		
(+)	(-)	
1	2	Existed
2	1	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace security indicator lamp.

KEY WARNING LAMP

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

KEY WARNING LAMP

Description

INFOID:000000009163764

- Key warning lamp is located on combination meter.
- Performs operation method guide and warning together with buzzer.

Diagnosis Procedure

INFOID:000000009163766

1.CHECK KEY WARNING LAMP

Refer to [DLK-81. "Component Function Check"](#).

Is the inspection result normal?

Yes >> GO TO 2.

No >> Repair or replace key warning lamp circuit.

2.CHECK INTERMITTENT INCIDENT

Refer to [GI-38. "Intermittent Incident"](#).

>> INSPECTION END

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

HORN

Description

INFOID:000000009163767

Perform answer-back for each operation with horn.

Diagnosis Procedure

INFOID:000000009163769

1. CHECK HORN FUNCTION

Check horn function with horn switch.

Do the horns sound?

- YES >> GO TO 2.
- NO >> Refer to [HRN-2, "Wiring Diagram - HORN -"](#).

2. CHECK HORN RELAY 1 POWER SUPPLY

1. Turn ignition switch ON.
2. Perform "ACTIVE TEST" ("HORN") with CONSULT.
3. Check voltage between horn relay 1 connector and ground.

Horn relay 1		Ground	Test item		Voltage (V) (Approx.)
Connector	Terminal		HORN	ON	Battery voltage → 0 → Battery voltage
E11	1				Other than above

Is the inspection result normal?

- YES >> GO TO 6.
- NO >> GO TO 3.

3. CHECK HORN RELAY 1 CIRCUIT 1

1. Turn ignition switch OFF.
2. Disconnect horn relay 1 connector and diode connector.
3. Check continuity between horn relay 1 harness connector and diode harness connector.

Horn relay 1		Diode		Continuity
Connector	Terminal	Connector	Terminal	
E11	1	E107	3	Existed

4. Check continuity between horn relay 1 harness connector and ground.

Horn relay 1		Ground	Continuity
Connector	Terminal		
E11	1		Not existed

Is the inspection result normal?

- YES >> GO TO 4.
- NO >> Repair or replace harness.

4. CHECK HORN RELAY 1 CIRCUIT 2

1. Disconnect IPDM E/R connector.
2. Check continuity between IPDM E/R harness connector and diode connector.

IPDM E/R		Diode		Continuity
Connector	Terminal	Connector	Terminal	
E6	44	E107	2	Existed

3. Check continuity between IPDM E/R harness connector and ground.

HORN

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

IPDM E/R		Ground	Continuity
Connector	Terminal		
E6	44		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK DIODE

Refer to [SEC-25. "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace diode.

6.CHECK INTERMITTENT INCIDENT

Refer to [GI-38. "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END

Component Inspection

INFOID:000000009163770

1.CHECK DIODE

1. Turn ignition switch OFF.
2. Disconnect diode.
3. Check the continuity between diode terminals under the following conditions.

Terminal		Continuity
(+)*	(-)*	
3	2	Existed
2	3	Not existed

*: For a digital tester.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace diode.

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

VEHICLE SECURITY HORN

Description

INFOID:000000009163771

Perform answer-back for each operation with horn.

Diagnosis Procedure

INFOID:000000009163773

1. CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse are not fusing.
 - 10A fuse [No.10 located in fuse block (J/B)]

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2. CHECK HORN RELAY 2 POWER SUPPLY

1. Disconnect horn relay 2 connector.
2. Check voltage between horn relay 2 connector and ground.

Horn relay 2		Ground	Voltage (V) (Approx.)
Connector	Terminal		
E18	1		Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Check horn relay 2 power supply circuit.

3. CHECK VEHICLE SECURITY HORN POWER SUPPLY

1. Connect horn relay 2 connector.
2. Turn ignition switch ON.
3. Perform "ACTIVE TEST" ("HORN") with CONSULT.
4. Check voltage between vehicle security horn connector and ground.

Vehicle security horn		Ground	Test item		Voltage (V) (Approx.)
Connector	Terminal				
E32	1		HORN	ON	Battery voltage → 0 → Battery voltage
				Other than above	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 5.

4. CHECK VEHICLE SECURITY HORN GROUND

1. Turn ignition switch OFF.
2. Disconnect vehicle security horn connector.
3. Check continuity between vehicle security horn connector and ground.

Vehicle security horn		Ground	Continuity
Connector	Terminal		
E33	2		Existed

Is the inspection result normal?

YES >> Replace vehicle security horn.

NO >> Repair or replace harness.

5. CHECK HORN RELAY 2 CIRCUIT

VEHICLE SECURITY HORN

[INTELLIGENT KEY SYSTEM]

< DTC/CIRCUIT DIAGNOSIS >

1. Disconnect horn relay 2 connector.
2. Check continuity between vehicle security horn harness connector and horn relay 2 connector.

Vehicle security horn		Horn relay 2		Continuity
Connector	Terminal	Connector	Terminal	
E32	1	E18	2	Existed

3. Check continuity between driver seat control unit harness connector and ground.

Vehicle security horn		Ground	Continuity
Connector	Terminal		
E32	1		Not existed

Is the inspection result normal?

- YES >> GO TO 6.
 NO >> Repair or replace harness.

6.CHECK HORN RELAY 2

Check horn relay 2.
 Refer to [SEC-28. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 7.
 NO >> Replace horn relay 2.

7.CHECK HORN RELAY 2 CIRCUIT 1

1. Disconnect diode connector.
2. Check continuity between diode harness connector and horn relay 2 harness connector.

Diode		Horn relay 2		Continuity
Connector	Terminal	Connector	Terminal	
E107	1	E18	3	Existed

3. Check continuity between diode harness connector and ground.

Diode		Ground	Continuity
Connector	Terminal		
E107	1		Not existed

Is the inspection result normal?

- YES >> GO TO 8.
 NO >> Repair or replace harness.

8.CHECK HORN RELAY 2 CIRCUIT 2

1. Disconnect IPDM E/R connector.
2. Check continuity between diode harness connector and IPDM E/R harness connector.

Diode		IPDM E/R		Continuity
Connector	Terminal	Connector	Terminal	
E107	2	E6	44	Existed

3. Check continuity between diode harness connector and ground.

Diode		Ground	Continuity
Connector	Terminal		
E107	2		Not existed

Is the inspection result normal?

- YES >> GO TO 9.

VEHICLE SECURITY HORN

[INTELLIGENT KEY SYSTEM]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

9.CHECK DIODE

Check diode.

Refer to [SEC-28, "Component Inspection"](#).

Is the inspection result normal?

YES >> Replace IPDM E/R. Refer to [PCS-17, "Removal and Installation"](#).

NO >> Replace diode.

Component Inspection

INFOID:000000009163774

HORN RELAY 2

1.CHECK HORN RELAY 2

1. Turn ignition switch OFF.
2. Disconnect horn relay 2.
3. Check horn relay 2.

Horn relay 2 Terminal	Condition	Voltage (Approx.)
2	12 V direct current supply between terminals 1 and 3.	12 V
	No current supply	0 V

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace horn relay 2.

DIODE

1.CHECK DIODE

1. Turn ignition switch OFF.
2. Disconnect diode.
3. Check the continuity between diode terminals under the following conditions.

Terminal		Continuity
(+)*	(-)*	
1	2	Existed
2	1	Not existed

*: For a digital tester.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace diode.

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION


< DTC/CIRCUIT DIAGNOSIS >

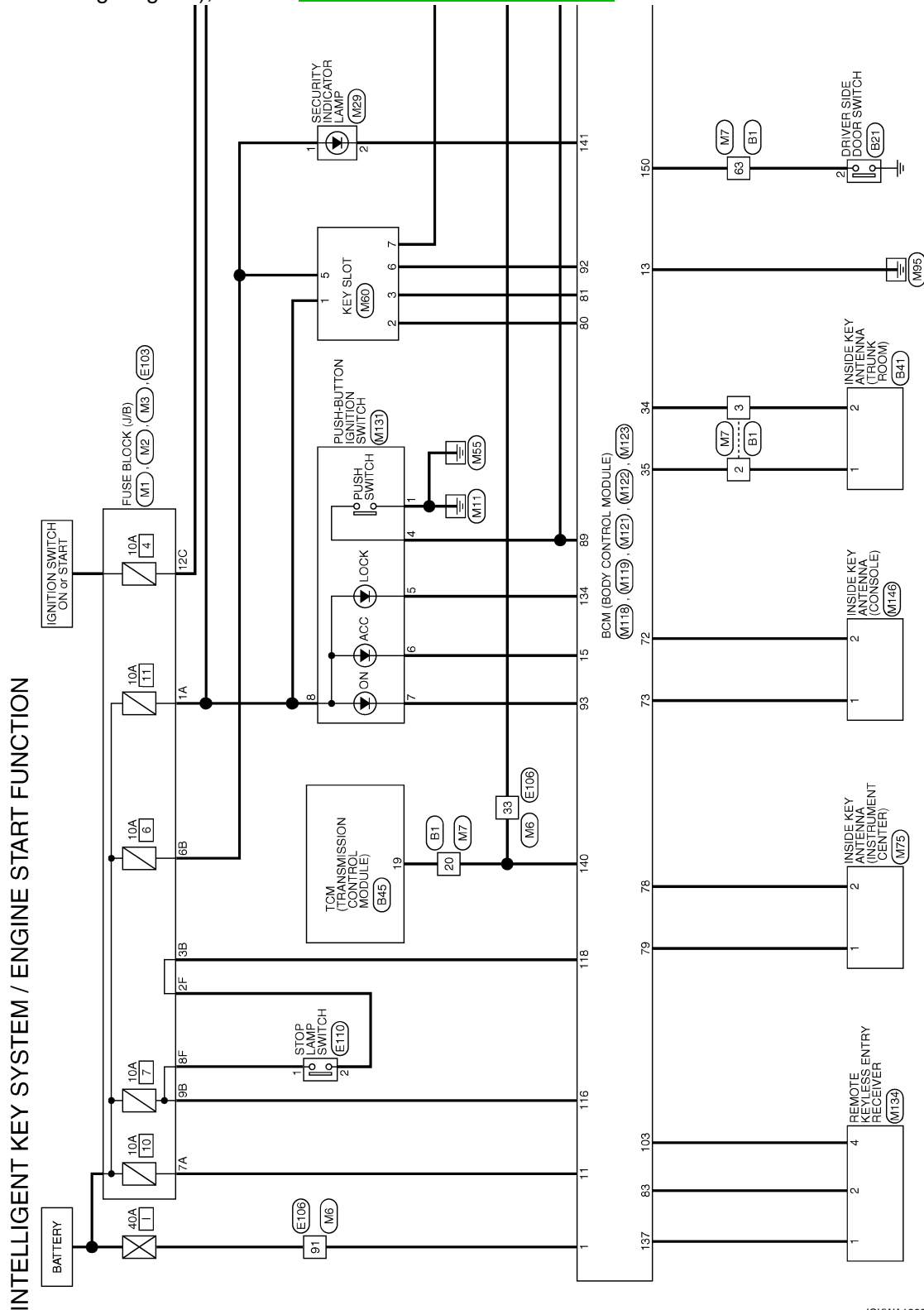
[INTELLIGENT KEY SYSTEM]

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

Wiring Diagram - INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION -

INFOID:000000009163775

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).



2008/03/14

JCKWA1293GB

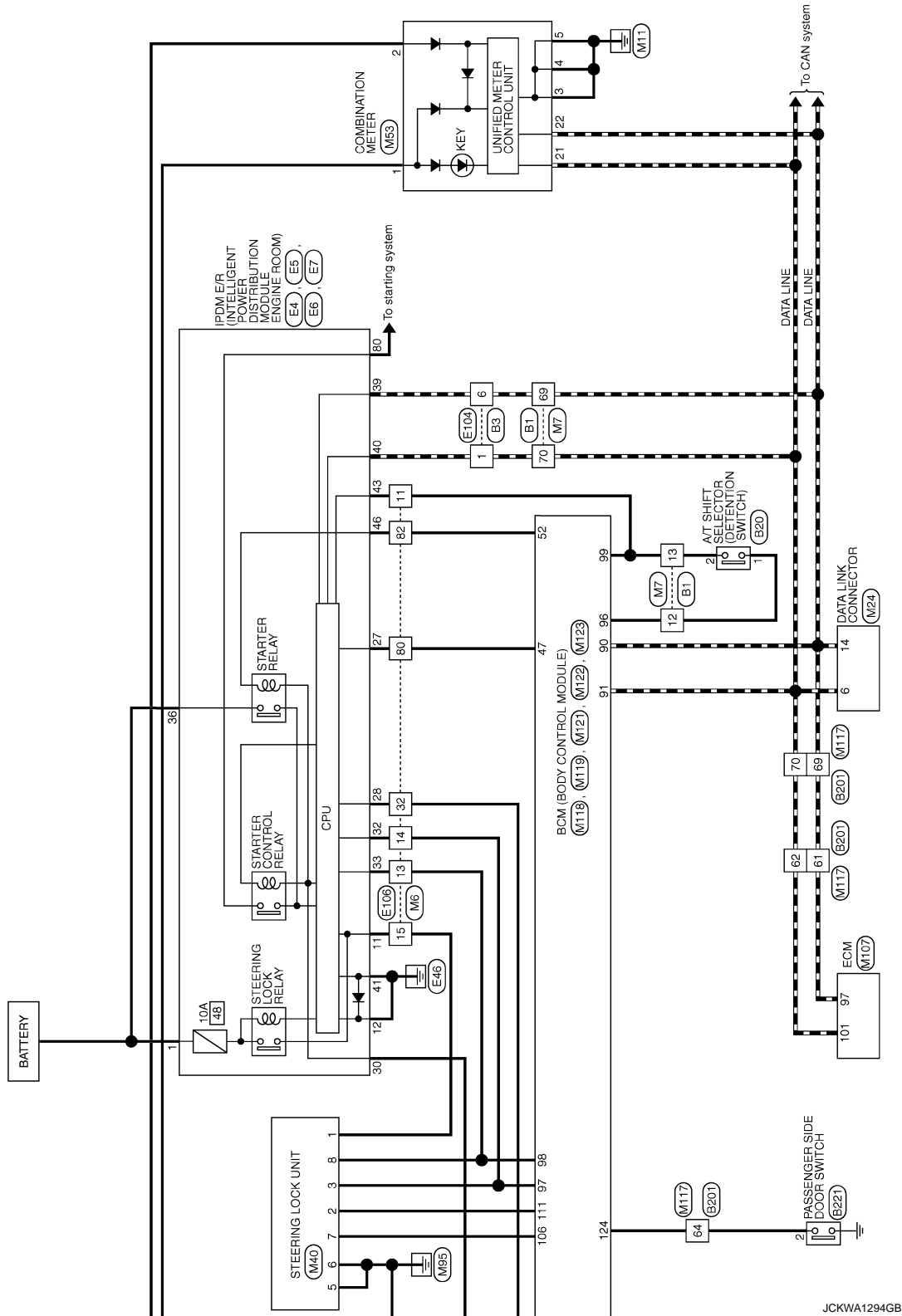
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SEC

INTELLIGENT KEY SYSTEM/ENGINE START FUNCTION

< DTC/CIRCUIT DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]



JCKWA1294GB

NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS


< DTC/CIRCUIT DIAGNOSIS >

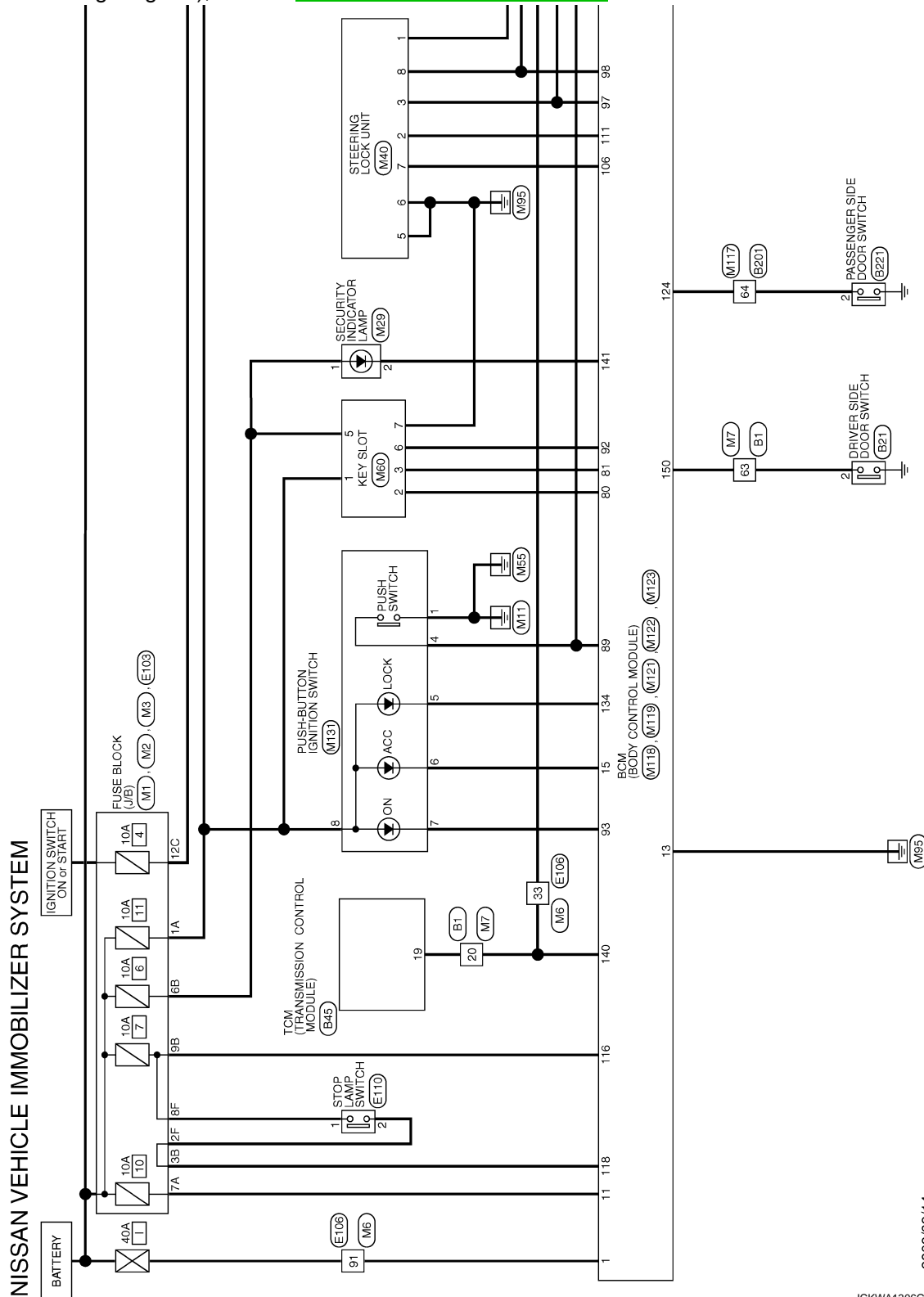
[INTELLIGENT KEY SYSTEM]

NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS

Wiring Diagram - NVIS -

INFOID:000000009163776

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



2008/03/14

JCKWA1306GB

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SEC

VEHICLE SECURITY SYSTEM


< DTC/CIRCUIT DIAGNOSIS >

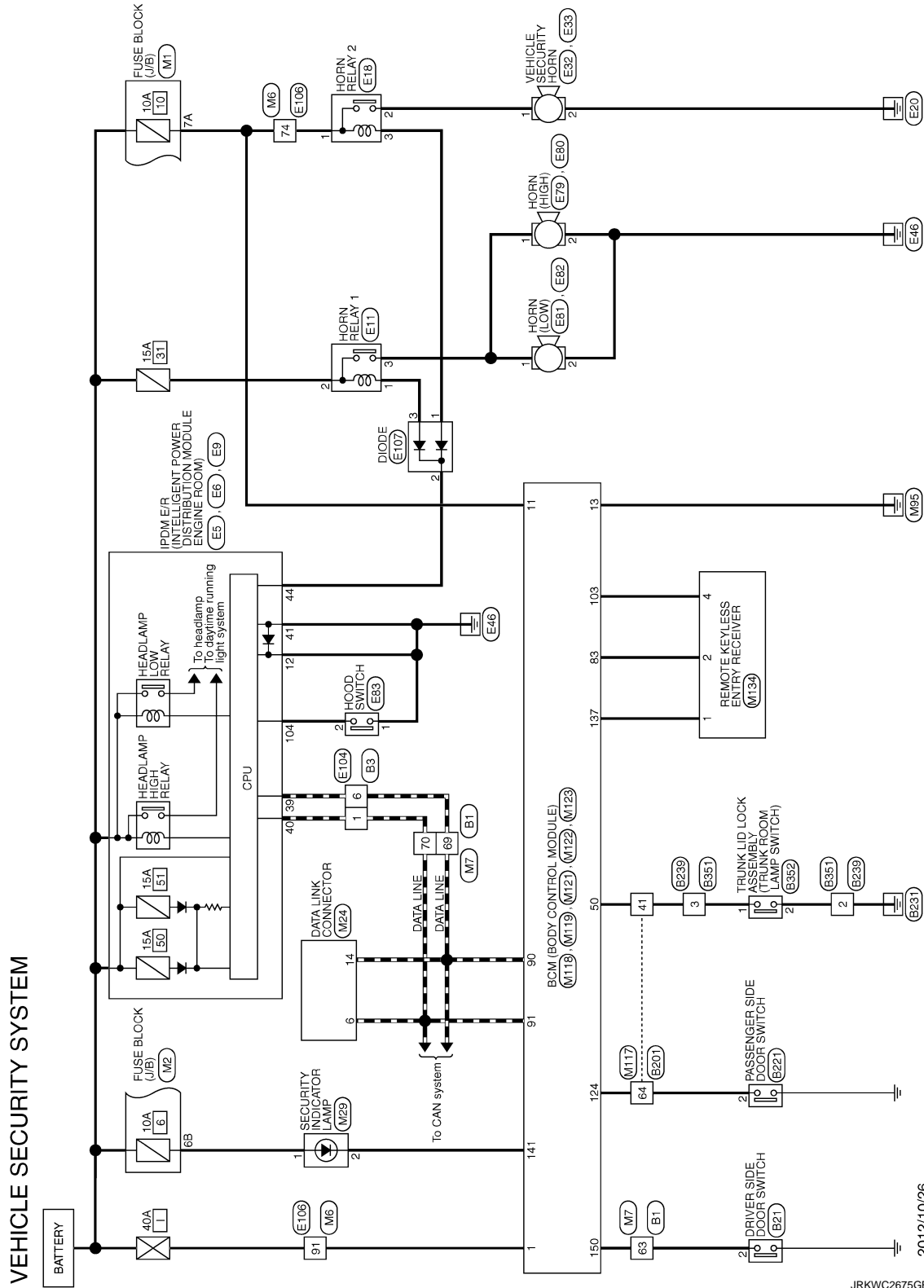
[INTELLIGENT KEY SYSTEM]

VEHICLE SECURITY SYSTEM

Wiring Diagram - VEHICLE SECURITY SYSTEM -

INFOID:000000009163777

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SEC

SYMPTOM DIAGNOSIS

STEERING DOES NOT LOCK

Description

INFOID:000000009163789

If door switch is malfunctioning, BCM cannot lock the steering. If BCM does not detect DTC, steering lock unit is normal.

Diagnosis Procedure

INFOID:000000009163790

1. CHECK DOOR SWITCH

Check door switch.

Refer to [DLK-45. "Component Inspection"](#).

Is the inspection normal?

YES >> GO TO 2.

NO >> Repair or replace malfunctioning parts.

2. CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection normal?

YES >> Check intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

NO >> GO TO 1.

SECURITY INDICATOR LAMP DOES NOT TURN ON OR FLASH

< SYMPTOM DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

SECURITY INDICATOR LAMP DOES NOT TURN ON OR FLASH

Description

INFOID:000000009163791

Check that vehicle is under the condition shown in "Conditions of vehicle" before starting diagnosis, and check each symptom.

Conditions of Vehicle (Operating Conditions)

Ignition switch position is not in ON position.

Diagnosis Procedure

INFOID:000000009163792

1. CHECK SECURITY INDICATOR LAMP

Check security indicator lamp.

Refer to [SEC-21, "Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

NO >> GO TO 1.

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

VEHICLE SECURITY SYSTEM CAN NOT BE SET

< SYMPTOM DIAGNOSIS >

[INTELLIGENT KEY SYSTEM]

VEHICLE SECURITY SYSTEM CAN NOT BE SET INTELLIGENT KEY

INTELLIGENT KEY : Description

INFOID:000000009163793

Check that vehicle is under the condition shown in “Conditions of vehicle” before starting diagnosis, and check each symptom.

Conditions of Vehicle (Operating Conditions)

“SECURITY ALARM SET” in “WORK SUPPORT” is ON when setting on CONSULT.

INTELLIGENT KEY : Diagnosis Procedure

INFOID:000000009163794

1.CHECK INTELLIGENT KEY SYSTEM (REMOTE KEYLESS ENTRY FUNCTION)

Lock/unlock door with Intelligent Key.

Refer to [DLK-24. "REMOTE KEYLESS ENTRY FUNCTION : System Description"](#).

Is the inspection normal?

YES >> GO TO 2.

NO >> Check Intelligent Key system. Refer to [DLK-95. "Diagnosis Procedure"](#).

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

NO >> GO TO 1.

DOOR REQUEST SWITCH

DOOR REQUEST SWITCH : Description

INFOID:000000009163795

Check that vehicle is under the condition shown in “Conditions of vehicle” before starting diagnosis, and check each symptom.

Conditions of Vehicle (Operating Conditions)

“SECURITY ALARM SET” in “WORK SUPPORT” is ON when setting on CONSULT.

DOOR REQUEST SWITCH : Diagnosis Procedure

INFOID:000000009163796

1.CHECK INTELLIGENT KEY SYSTEM (DOOR LOCK FUNCTION)

Lock/unlock door with door request switch.

Refer to [DLK-15. "DOOR LOCK FUNCTION : System Description"](#).

Is the inspection normal?

YES >> GO TO 2.

NO >> Check Intelligent Key system. Refer to [DLK-93. "DRIVER SIDE : Diagnosis Procedure"](#).

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

NO >> GO TO 1.

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000009163802

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

INFOID:000000009163803

CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Before removing and installing any control units, first turn the ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

2. Turn the ignition switch to ACC position.
(At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC

PRECAUTIONS

[INTELLIGENT KEY SYSTEM]

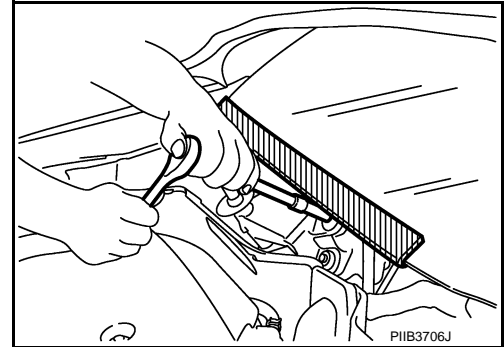
< PRECAUTION >

4. Perform the necessary repair operation.
5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT.

Precaution for Procedure without Cowl Top Cover

INFOID:000000009163804

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



Precaution for Battery Service

INFOID:000000009163805

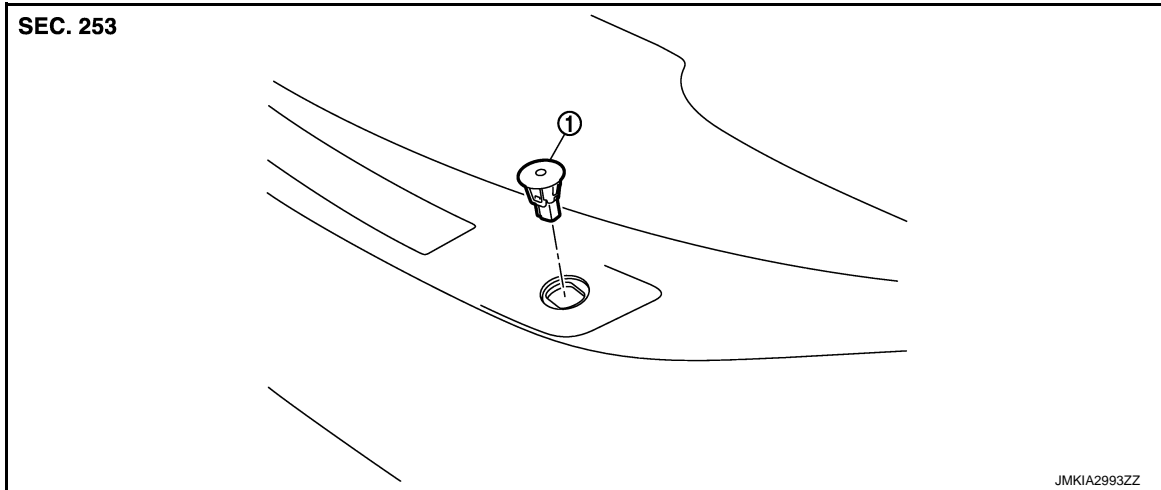
Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

REMOVAL AND INSTALLATION

SECURITY INDICATOR LAMP

Exploded View

INFOID:000000009163806



- 1. Security indicator lamp

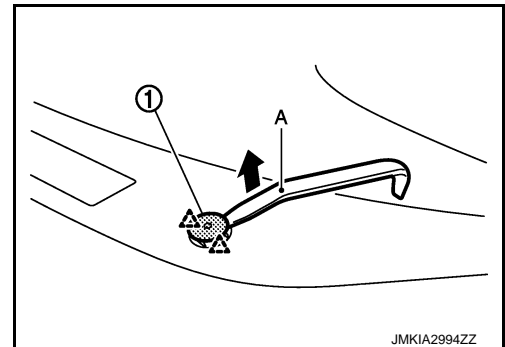
Removal and Installation

INFOID:000000009163807

REMOVAL

Disengage pawls with remover tool (A) and pull up the security indicator lamp (1).

 Pawl



INSTALLATION

Install in the reverse order of removal.

A
B
C
D
E
F
G
H
I
J
L
M
N
O
P

SEC