SECTION BCS
BODY CONTROL SYSTEM

CONTENTS

PRECAUTIONS

PFP:00001

Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

EKS00771

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 and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which 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 the SRS section.**
- **Do not 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.**

BCM (BODY CONTROL MODULE)

PFP:284B2

System Description

EKS00772

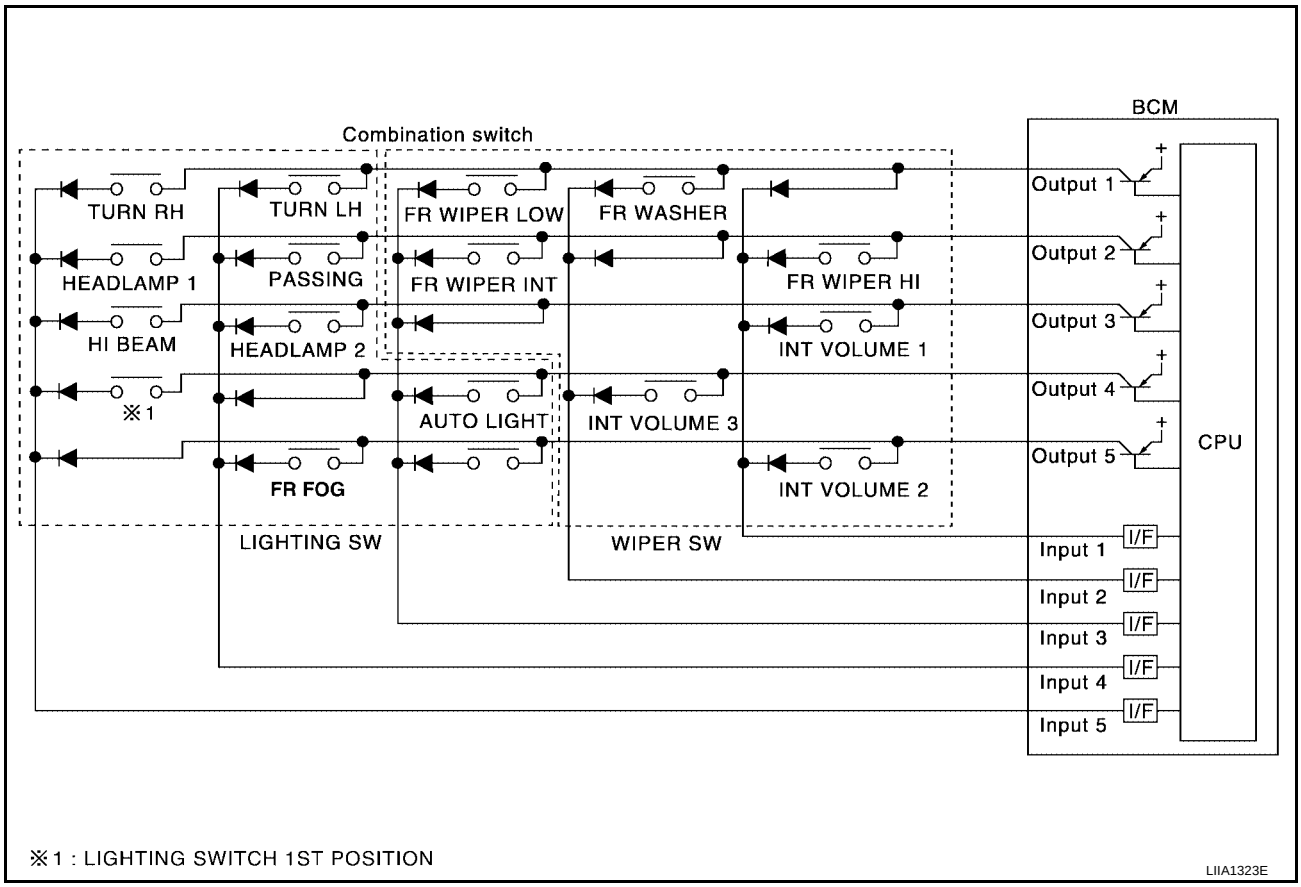
- BCM (Body Control Module) controls the operation of various electrical units installed on the vehicle.

BCM FUNCTION

BCM has a combination switch reading function for reading the operation of combination switches (light, wiper washer, turn signal) in addition to the function for controlling the operation of various electrical components. Also, it functions as an interface that receives signals from the A/C control unit, and sends signals to ECM using CAN communication.

COMBINATION SWITCH READING FUNCTION

1. Description
   - BCM reads combination switch (light, wiper) status, and controls various electrical components according to the results.
   - BCM reads information of a maximum of 20 switches by combining five output terminals (OUTPUT 1-5) and five input terminals (INPUT 1-5).
2. Operation description
   - BCM activates transistors of output terminals (OUTPUT 1-5) periodically and allows current to flow in turn.
   - If any (1 or more) of the switches are turned ON, circuit of output terminals (OUTPUT 1-5) and input terminals (INPUT 1-5) becomes active.
   - At this time, transistors of output terminals (OUTPUT 1-5) are activated to allow current to flow. When voltage of input terminals (INPUT 1-5) corresponding to that switch changes, interface in BCM detects voltage change and BCM determines that switch is ON.



3. BCM - Operation table of combination switch
   - BCM reads operation status of combination switch by the combination shown in the following table.

	COMB SW OUTPUT 1		COMB SW OUTPUT 2		COMB SW OUTPUT 3		COMB SW OUTPUT 4		COMB SW OUTPUT 5	
	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
COMB SW INPUT 1	—	—	FR WIPER HI ON	FR WIPER HI OFF	INT VOLUME 1 ON	INT VOLUME 1 OFF	—	—	INT VOLUME 2 ON	INT VOLUME 2 OFF
COMB SW INPUT 2	FR WASHER ON	FR WASHER OFF	—	—	—	—	INT VOLUME 3 ON	INT VOLUME 3 OFF		
COMB SW INPUT 3	FR WIPER LOW ON	FR WIPER LOW OFF	FR WIPER INT ON	FR WIPER INT OFF	—	—	AUTO LIGHT ON	AUTO LIGHT OFF	—	—
COMB SW INPUT 4	TURN LH ON	TURN LH OFF	PASSING ON	PASSING OFF	HEAD-LAMP 2 ON	HEAD-LAMP 2 OFF	—	—	FR FOG ON	FR FOG OFF
COMB SW INPUT 5	TURN RH ON	TURN RH OFF	HEAD-LAMP 1 ON	HEAD-LAMP 1 OFF	HI BEAM ON	HI BEAM OFF	LIGHTING SW (1st) ON	LIGHTING SW (1st) OFF	—	—

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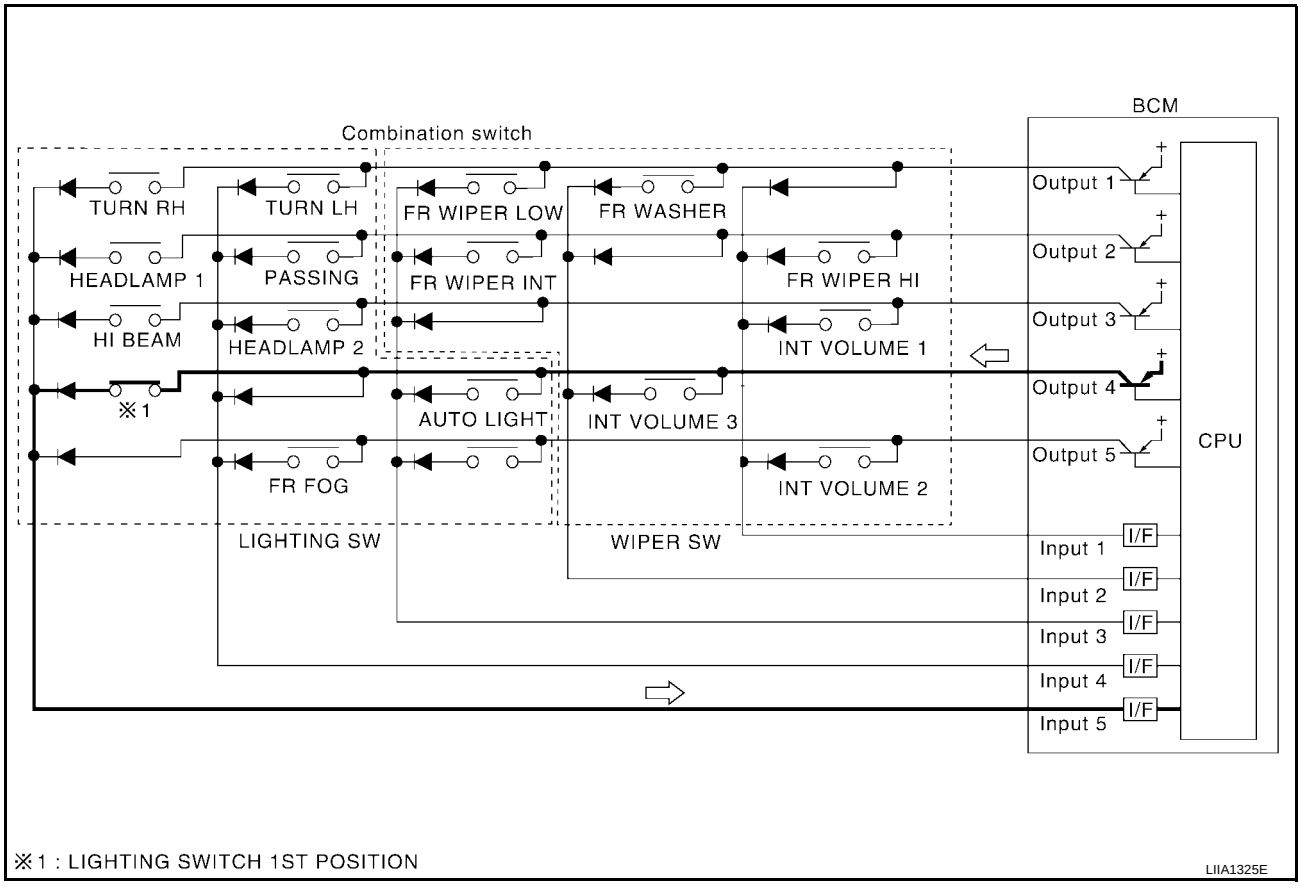
NOTE:
Headlamp has a dual system switch.

4. Example operation: (When lighting switch 1st position turned ON)
   - When lighting switch 1st position is turned ON, contact in combination switch turns ON. At this time if OUTPUT 4 transistor is activated, BCM detects that voltage changes in INPUT 5.
   - When OUTPUT 4 transistor is ON, BCM detects that voltage changes in INPUT 5, and judges lighting switch 1st position is ON. Then BCM sends tail lamp ON signal to IPDM E/R using CAN communication.
   - When OUTPUT 4 transistor is activated again, BCM detects that voltage changes in INPUT 5 and recognizes that lighting switch 1st position is continuously ON.



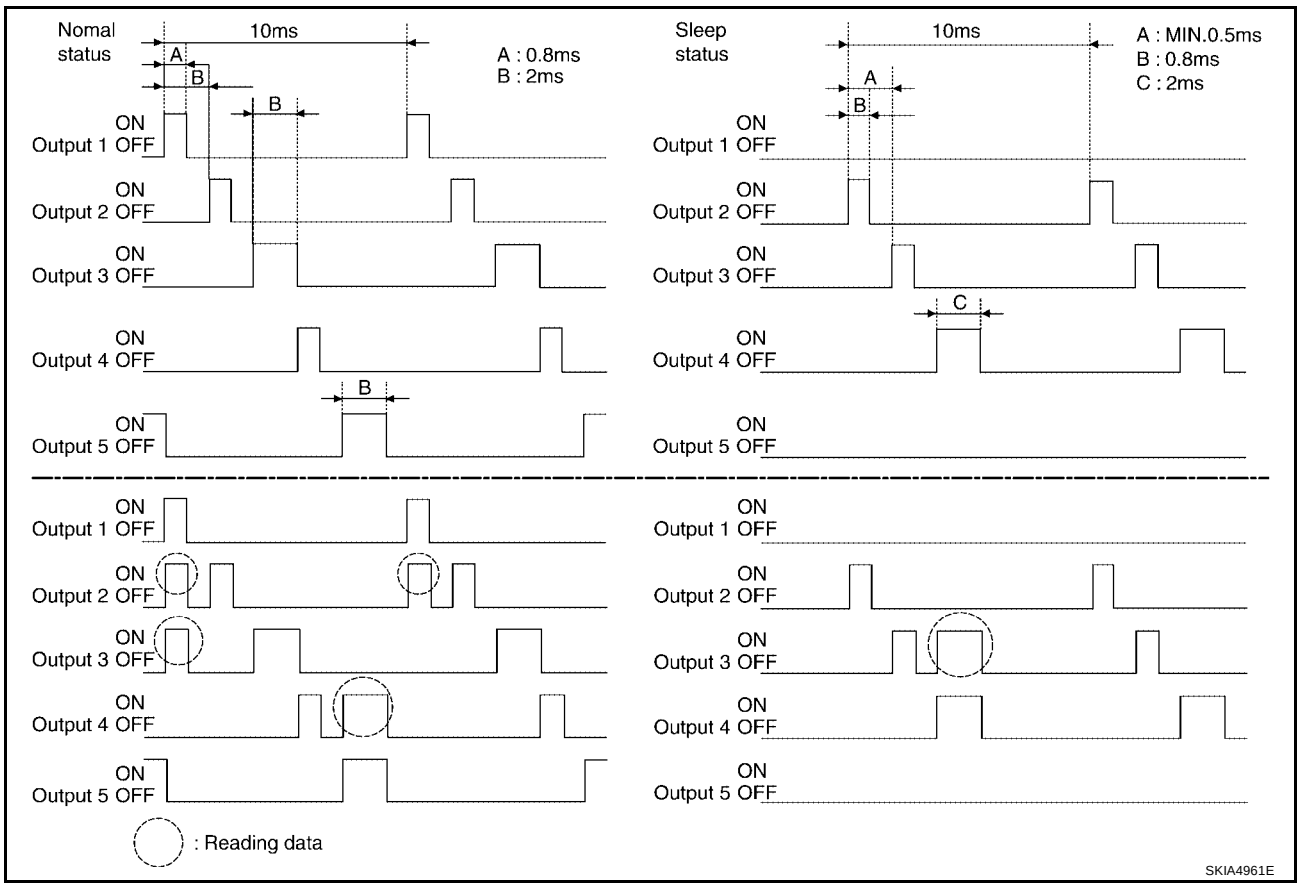
NOTE:
Each OUTPUT terminal transistor is activated at 10 ms intervals. Therefore, after a switch is turned ON, electrical loads are activated with a time delay. But this time delay is so short that it cannot be noticed.

5. Operation mode
   - Combination switch reading function has operation modes as follows:

   Normal status
   - When BCM is not in sleep status, OUTPUT terminals (1-5) each turn ON-OFF every 10 ms.

   Sleep status

- When BCM is in sleep mode, transistors of OUTPUT 1 and 5 stop the output, and BCM enters low-current-consumption mode. OUTPUTS (2, 3, and 4) turn ON-OFF at 10 ms intervals, and receives lighting switch input only.



CAN COMMUNICATION CONTROL

CAN communication allows a high rate of information through the two communication lines (CAN L-line, CAN H-line) connecting the various control units in the system. Each control unit transmits/receives data, but selectively reads required data only.

BCM STATUS CONTROL

BCM changes its status depending on the operation status in order to save power consumption.

1. CAN communication status
   - With ignition switch ON, CAN communicates with other control units normally.
   - Control by BCM is being operated properly.
   - When ignition switch is OFF, switching to sleep mode is possible.
   - Even when ignition switch is OFF, if CAN communication with IPDM E/R and combination meter is active, CAN communication status is active.
2. Sleep transient status
   - This status shuts down CAN communication when ignition switch is turned OFF.
   - It transmits sleep request signal to IPDM E/R and combination meter.
   - Two seconds after CAN communication of all control units stops, CAN communication switches to inactive status.
3. CAN communication inactive status
   - With ignition switch OFF, CAN communication is not active.
   - With ignition switch OFF, control performed only by BCM is active.
   - Three seconds after CAN communication of all control units stops, CAN communication switches to inactive status.
4. Sleep status

- BCM is activated with low current consumption mode.
- CAN communication is not active.
- When CAN communication operation is detected, it switches to CAN communication status.
- When a state of the following switches changes, it switches to CAN communication state:
  - Key switch
  - Hazard switch
  - Door lock/unlock switch
  - Front door switch (LH, RH)
  - Rear door switch (LH, RH)
  - Combination switch (passing, lighting switch 1st position, front fog lamp)
  - Key fob (lock/unlock signal)
  - Door lock assembly LH (key cylinder switch)
- When control performed only by BCM is required by switch, it shifts to CAN communication inactive mode.
- Status of combination switch reading function is changed.

SYSTEMS CONTROLLED BY BCM DIRECTLY

- Power door lock system. Refer to BL-16, "POWER DOOR LOCK SYSTEM" .
- Remote keyless entry system. Refer to BL-53, "REMOTE KEYLESS ENTRY SYSTEM" .
- Power window system. Refer to GW-15, "POWER WINDOW SYSTEM" . NOTE
- Sunroof system. Refer to RF-10, "SUNROOF" . NOTE
- Room lamp timer. Refer to LT-130, "INTERIOR ROOM LAMP" .
- Warning chime system. Refer to DI-39, "WARNING CHIME" .
- Turn signal and hazard warning lamps system. Refer to LT-79, "TURN SIGNAL AND HAZARD WARNING LAMPS" .

NOTE:
Power supply only. No system control.

SYSTEMS CONTROLLED BY BCM AND IPDM E/R

- Panic system. Refer to BL-53, "REMOTE KEYLESS ENTRY SYSTEM" .
- NVIS (NATS) system. Refer to BL-135, "NVIS(NISSAN Vehicle Immobilizer System-NATS)" .
- Headlamp, tail lamp, auto light and battery saver control systems. Refer to LT-6, "HEADLAMP (FOR USA)" or LT-36, "HEADLAMP (FOR CANADA) - DAYTIME LIGHT SYSTEM -" .
- Front wiper and washer system. Refer to WW-3, "FRONT WIPER AND WASHER SYSTEM" .

MAJOR COMPONENTS AND CONTROL SYSTEM

System	Input	Output
Remote keyless entry system	Key fob	● All-door locking actuator ● Turn signal lamp (LH, RH)
Power door lock system	Front power door lock/unlock switch (LH, RH)	All-door locking actuator
Power supply (IGN) to power window and sunroof	Ignition power supply	Power supply to power window and sunroof system
Power supply (BAT) to power window and sunroof	Battery power supply	Power supply to power window and sunroof system
Panic alarm	● Key switch ● Key fob	IPDM E/R
Auto light system	● Optical sensor ● Combination switch	IPDM E/R
Battery saver control	● Ignition switch ● Combination switch	IPDM E/R
Headlamp	Combination switch	IPDM E/R

System	Input	Output
Tail lamp	Combination switch	IPDM E/R
Fog lamp	Combination switch	IPDM E/R
Turn signal lamp	Combination switch	● Turn signal lamp ● Combination meter
Hazard lamp	Hazard switch	● Turn signal lamp ● Combination meter
Room lamp timer	● Key switch ● Key fob ● Front door lock/unlock switch (LH) ● Front door switch LH ● All-door switch	Interior room lamp
Key warning chime	● Key switch ● Front door switch LH	Combination meter (warning buzzer)
Light warning chime	● Combination switch ● Key switch ● Front door switch LH	Combination meter (warning buzzer)
Vehicle-speed-sensing intermittent wiper	● Combination switch ● Combination meter	IPDM E/R
Air conditioner switch signal	Front air control	ECM
Blower fan switch signal	Front air control	ECM

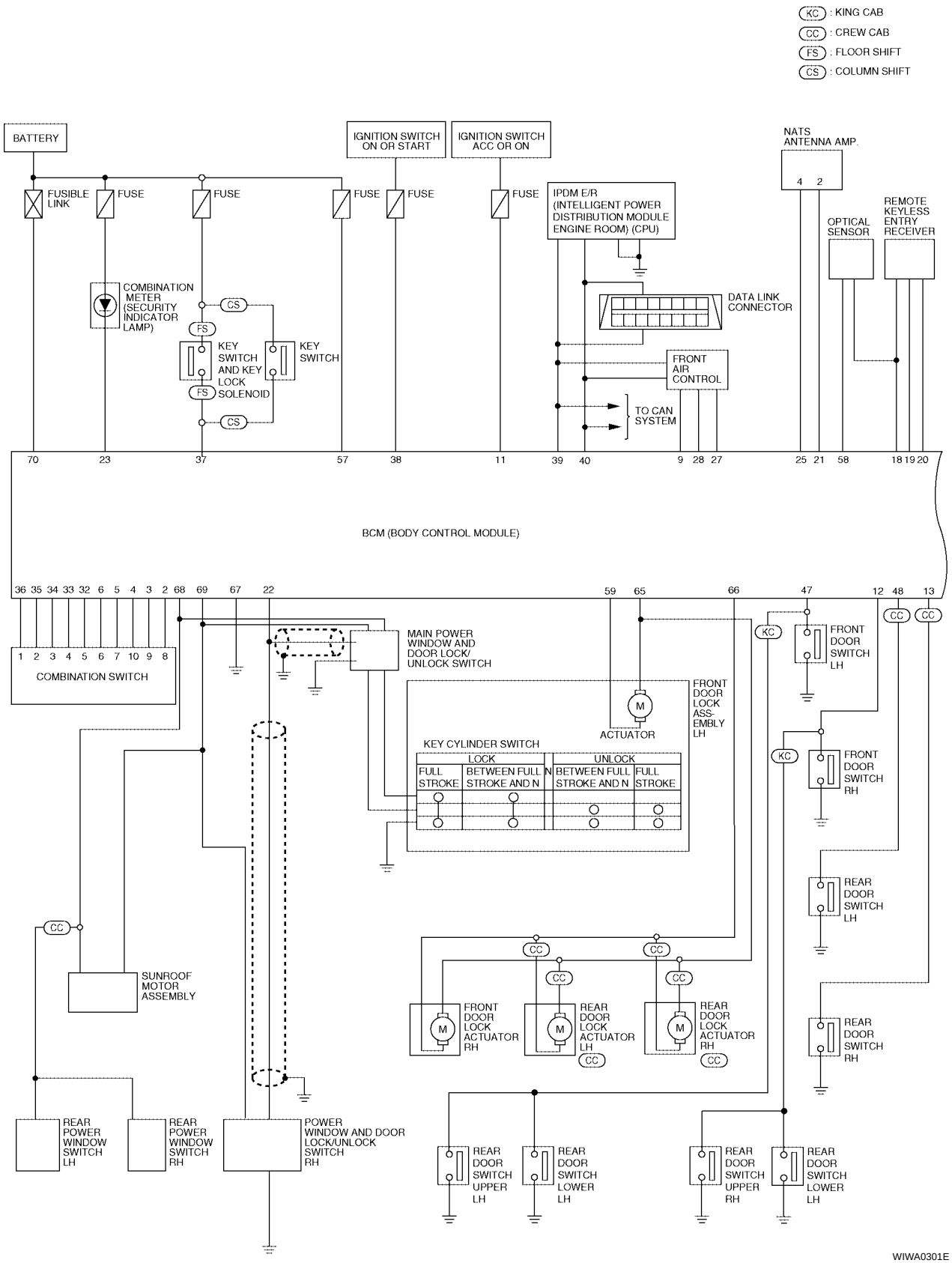
CAN Communication System Description

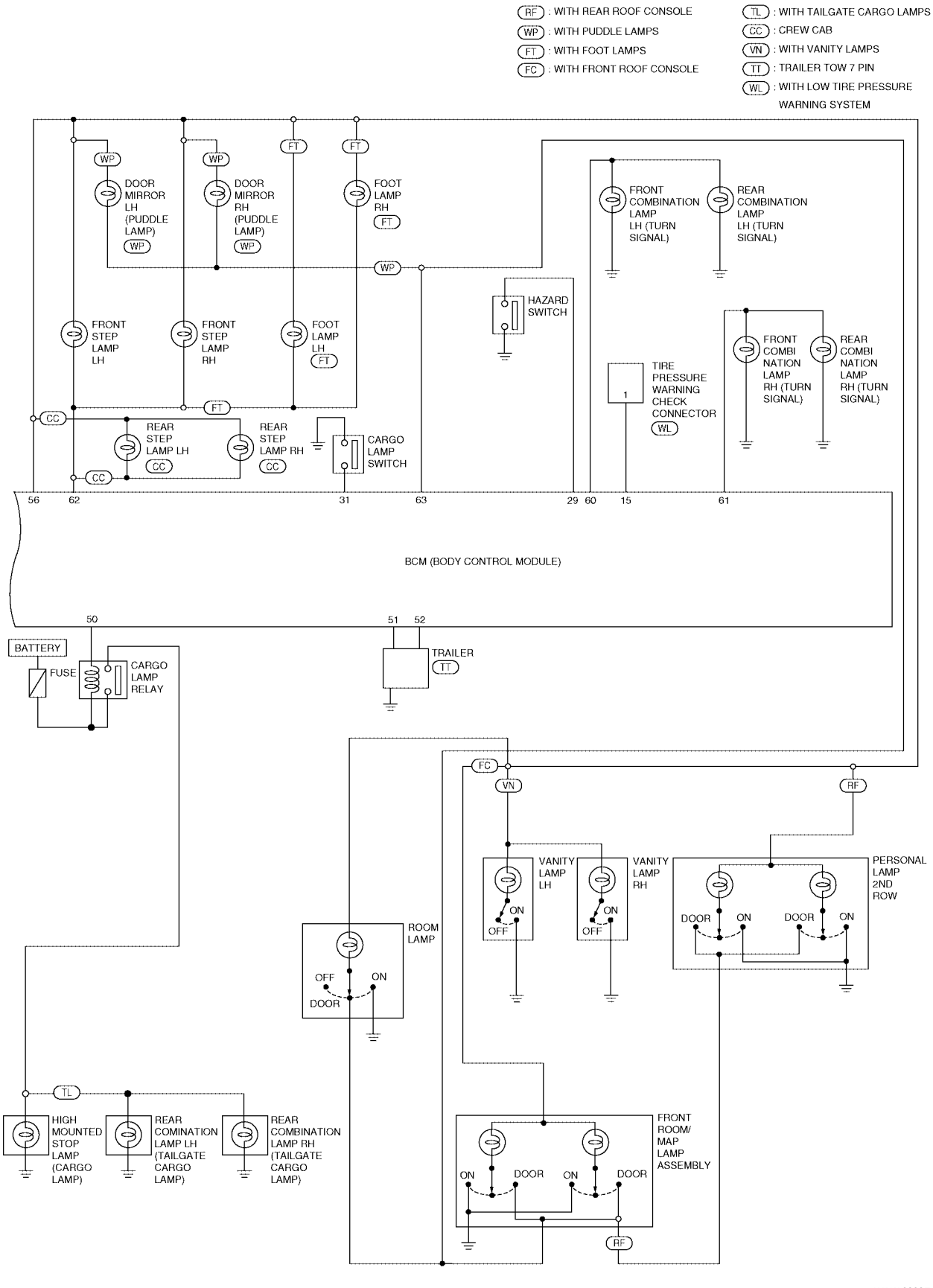
EKS00773

Refer to LAN-8, "CAN COMMUNICATION" .

Schematic

EKS00774




RF : WITH REAR ROOF CONSOLE
WP : WITH PUDDLE LAMPS
FT : WITH FOOT LAMPS
FC : WITH FRONT ROOF CONSOLE
TL : WITH TAILGATE CARGO LAMPS
CC : CREW CAB
VN : WITH VANITY LAMPS
TT : TRAILER TOW 7 PIN
WL : WITH LOW TIRE PRESSURE WARNING SYSTEM
DOOR MIRROR LH (PUDDLE LAMP)
DOOR MIRROR RH (PUDDLE LAMP)
FOOT LAMP RH
FRONT COMBINATION LAMP LH (TURN SIGNAL)
REAR COMBINATION LAMP LH (TURN SIGNAL)
HAZARD SWITCH
FRONT STEP LAMP LH
FRONT STEP LAMP RH
FOOT LAMP LH
TIRE PRESSURE WARNING CHECK CONNECTOR
FRONT COMBI NATION LAMP RH (TURN SIGNAL)
REAR COMBI NATION LAMP RH (TURN SIGNAL)
REAR STEP LAMP LH
REAR STEP LAMP RH
CARGO LAMP SWITCH
56 62 31 63 29 60 15 61
BCM (BODY CONTROL MODULE)
50 51 52
BATTERY
FUSE
CARGO LAMP RELAY
TRAILER
VANITY LAMP LH
VANITY LAMP RH
PERSONAL LAMP 2ND ROW
ROOM LAMP
HIGH MOUNTED STOP LAMP (CARGO LAMP)
REAR COMINATION LAMP LH (TAILGATE CARGO LAMP)
REAR COMBINATION LAMP RH (TAILGATE CARGO LAMP)
FRONT ROOM/ MAP LAMP ASSEMBLY
ON
OFF
DOOR

WIWA0302E

CONSULT-II

EKS00775

CONSULT-II can display each diagnostic item using the following diagnostic test modes: work support, self-diagnosis results, data monitor and active test through data reception and command transmission via the BCM CAN communication lines.

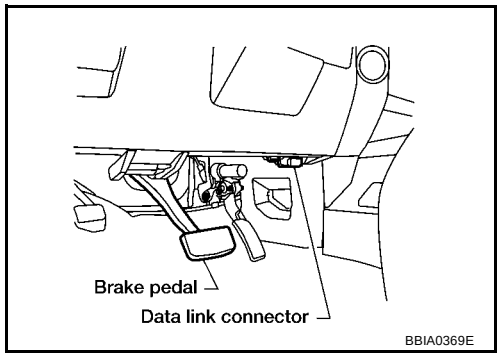
BCM diagnostic test item	Check item, diagnostic test mode	Content
Inspection by part	Work support	Changes setting of each function.
	Self-diagnosis results	BCM performs self-diagnosis of CAN communication.
	CAN diagnostic support monitor	The results of transmit/receive diagnosis of CAN communication can be read.
	Data monitor	Displays the input data of BCM in real time.
	Active test	Gives a drive signal to a load to check the operation.
	Configuration	Function to write vehicle configuration on BCM.

CONSULT–II INSPECTION PROCEDURE

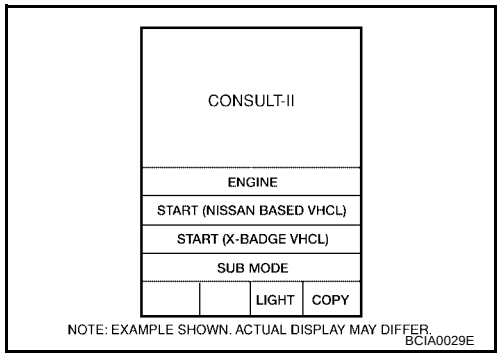
CAUTION:

If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carries out CAN communication.

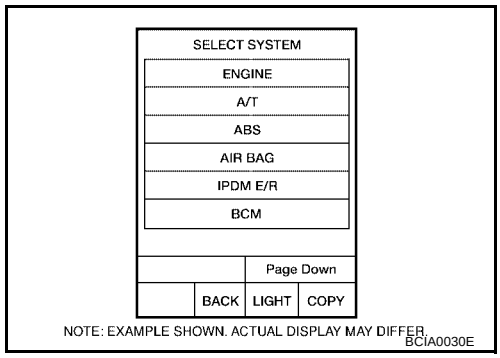
1. With ignition switch OFF, connect CONSULT-II and CONSULT-II CONVERTER to data link connector and turn ignition switch ON.



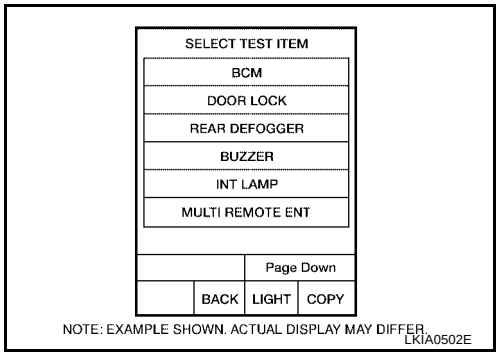
2. Touch “START (NISSAN BASED VHCL)”.



3. Touch “BCM” on “SELECT SYSTEM” screen.



4. Select item to be diagnosed on “SELECT TEST ITEM” screen.



ITEMS OF EACH PART

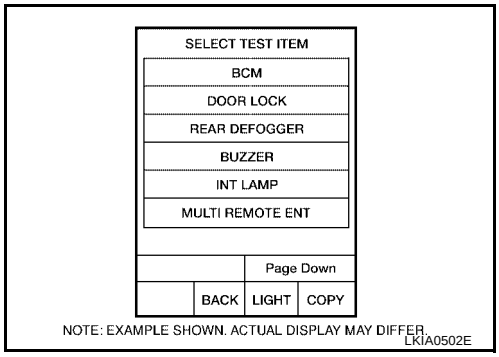
NOTE:
CONSULT-II will only display systems the vehicle possesses.

System and item	CONSULT-II display	Diagnostic test mode (Inspection by part)						
		WORK SUPPORT	SELF–DIAG RESULTS	CAN DIAG SUPPORT MNTR	DATA MONITOR	ECU PART NUMBER	ACTIVE TEST	CONFIG-URA-TION
Power door lock system	DOOR LOCK	×			×		×	
Warning chime	BUZZER				×		×	
Room lamp timer	INT LAMP	×			×		×	
Remote keyless entry system	MULTI REMOTE ENT	×			×		×	
Headlamp	HEAD LAMP	×			×		×	
Wiper	WIPER				×		×	
Turn signal lamp Hazard lamp	FLASHER				×		×	
Blower fan switch signal Air conditioner switch signal	AIR CONDI-TIONER				×			
Combination switch	COMB SW				×			
BCM	BCM		×	×	×	×		×
NVIS (NATS)	IMMU				×		×	
Interior lamp battery saver	BATTERY SAVER	×			×		×	
Retained power control	RETAINED PWR	×			×		×	
Oil pressure switch	SIGNAL BUFFER				×		×	

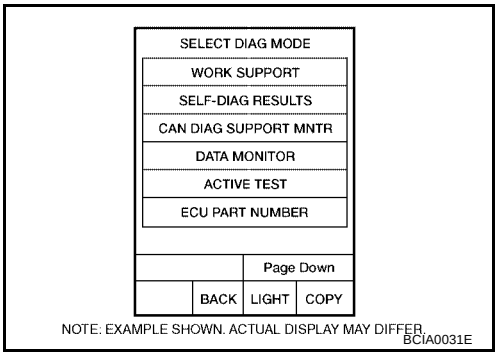
WORK SUPPORT

Operation Procedure

1. Touch "BCM" on "SELECT TEST ITEM" screen.



2. Touch "WORK SUPPORT" on "SELECT DIAG MODE" screen.
3. Touch item on "SELECT WORK ITEM" screen.
4. Touch "START".
5. Touch "CHANGE SET".
6. The setting will be changed and "RESETTING COMPLETED" will be displayed.
7. Touch "END".



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
BCIA0031E

Display Item List

Item	Description
RESET SETTING VALUE	Return a value set with WORK SUPPORT of each system to a default value in factory shipment.

CAN Communication Inspection Using CONSULT-II (Self-Diagnosis)

EKS00776

1. SELF-DIAGNOSTIC RESULT CHECK

NOTE:
If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carry out CAN communication.

1. Connect to CONSULT–II, and select “BCM” on “SELECT SYSTEM” screen.
2. Select “BCM control unit ” on “SELECT WORK ITEM” screen, and select “SELF-DIAG RESULTS”.
3. Check display content in self-diagnostic results.

CONSULT-II display code	Diagnosis item
U1000	INITIAL DIAG
	TRANSMIT DIAG
	ECM
	IPDM E/R
	METER/M&A
	I-KEY

Contents displayed

No malfunction>>Inspection end.
Malfunction in CAN communication system>>After printing the monitor items, go to “CAN System”. Refer to LAN-8, "CAN COMMUNICATION" .

Configuration

EKS00777

DESCRIPTION

CONFIGURATION has two functions as follows:

- READ CONFIGURATION is the function to confirm vehicle configuration of current BCM.
- WRITE CONFIGURATION is the function to write vehicle configuration on BCM.

CAUTION:

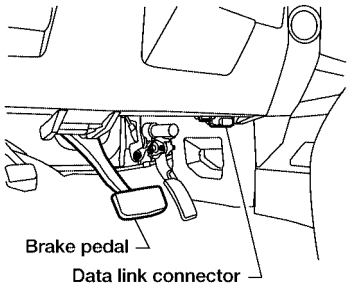
- **When replacing BCM, you must perform WRITE CONFIGURATION with CONSULT-II.**
- **Complete the procedure of WRITE CONFIGURATION in order.**
- **If you set incorrect WRITE CONFIGURATION, incidents will occur.**
- **Configuration is different for each vehicle model. Confirm configuration of each vehicle model.**

READ CONFIGURATION PROCEDURE

CAUTION:

If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carries out CAN communication.

1. With ignition switch OFF, connect CONSULT-II and CONSULT-II CONVERTER to data link connector and turn ignition switch ON.



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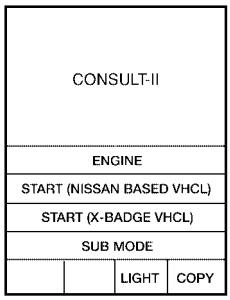
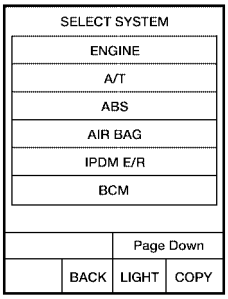
2. Touch “START (NISSAN BASED VHCL)”.



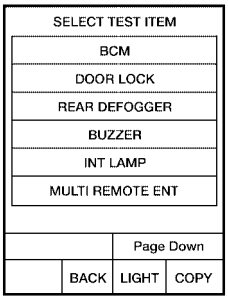
NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
BCIA0029E

3. Touch “BCM” on “SELECT SYSTEM” screen. If "BCM" is not indicated, go to General Information Section to check CONSULT II data link connector (DLC) circuit. Refer to GI-38, "CONSULT-II Data Link Connector (DLC) Circuit" .



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
BCIA0030E

4. Touch “BCM” on “SELECT TEST ITEM” screen.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
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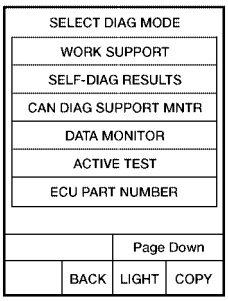
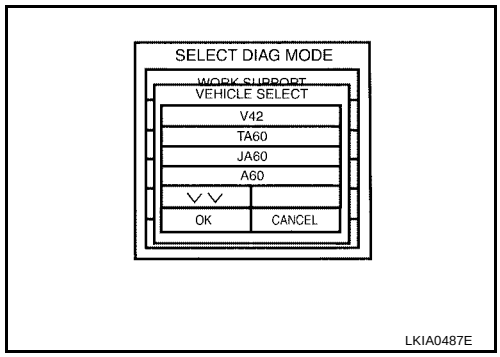
5. Touch “CONFIGURATION” on “SELECT DIAG MODE” screen.



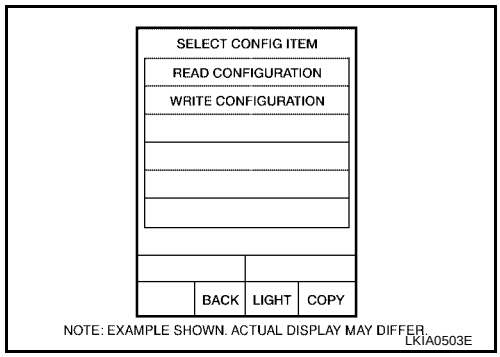
NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
BCIA0031E

6. Touch “A60” and "OK" on “VEHICLE SELECT” screen. For canceling, touch "CANCEL" on "VEHICLE SELECT" screen.

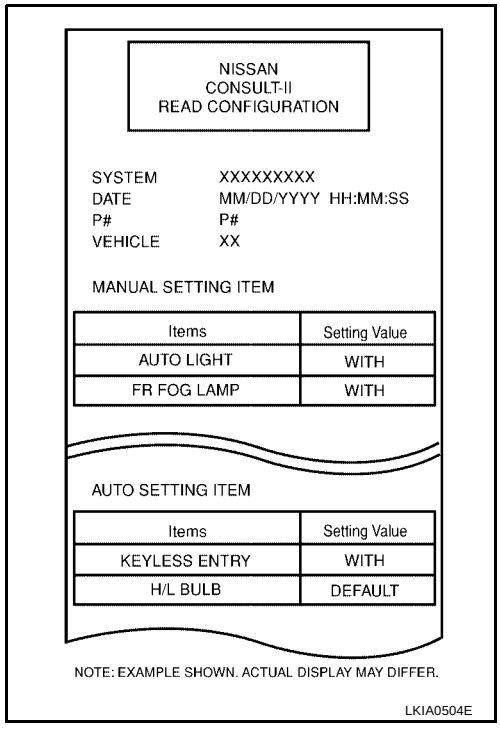
NOTE:
Confirm vehicle model on IDENTIFICATION PLATE. Refer to GI-46, "Model Variation" in GI section.



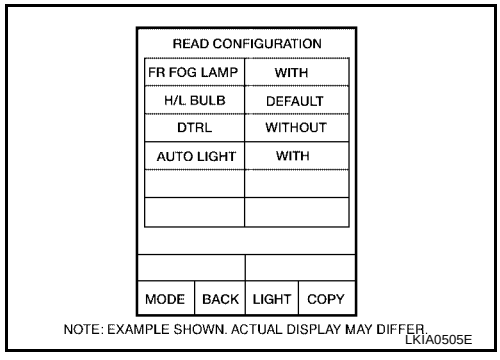
7. Touch “READ CONFIGURATION” on “SELECT CONFIG ITEM” screen.



8. Configuration of current BCM is printed out automatically. A listing of manual setting items and auto setting items will be displayed. Auto setting items are preset and cannot be changed. Manual setting items can be set by using WRITE CONFIGURATION PROCEDURE. Refer to BCS-16, "WRITE CONFIGURATION PROCEDURE" .



9. Touch “BACK” on “READ CONFIGURATION” screen.

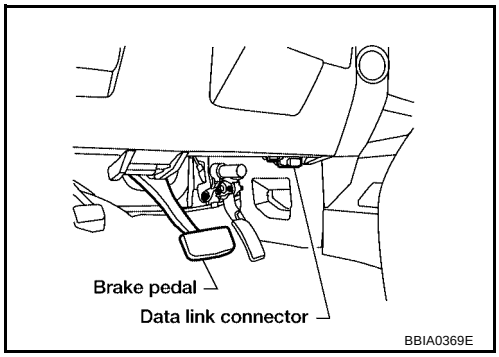


WRITE CONFIGURATION PROCEDURE

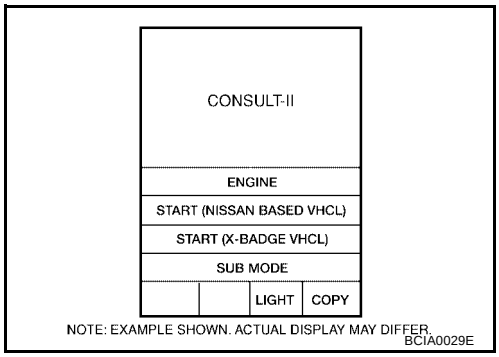
CAUTION:

If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carries out CAN communication.

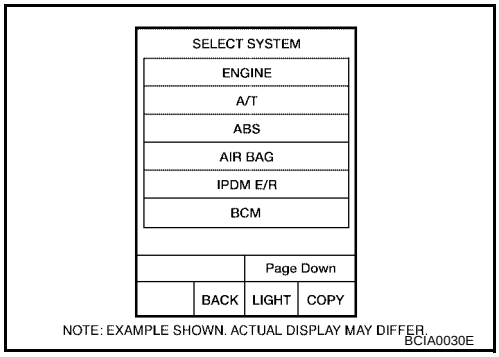
1. With ignition switch OFF, connect CONSULT-II and CONSULT-II CONVERTER to data link connector and turn ignition switch ON.



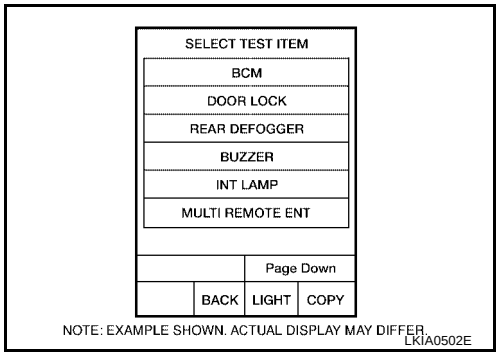
2. Touch “START (NISSAN BASED VHCL)”.



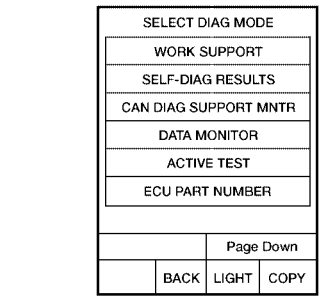
3. Touch “BCM” on “SELECT SYSTEM” screen. If "BCM" is not indicated, go to LAN Section to check data link connector (DLC) circuit.



4. Touch “BCM” on “SELECT TEST ITEM” screen.



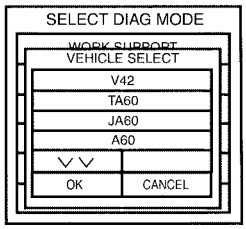
5. Touch “CONFIGURATION” on “SELECT DIAG MODE” screen.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
BCIA0031E

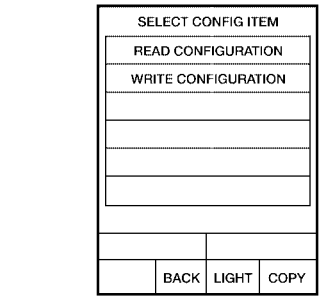
6. Touch “A60” and "OK" on “VEHICLE SELECT” screen. For canceling, touch "CANCEL" on "VEHICLE SELECT" screen.

NOTE:
Confirm vehicle model on IDENTIFICATION PLATE. Refer to GI-46, "Model Variation" in GI section.



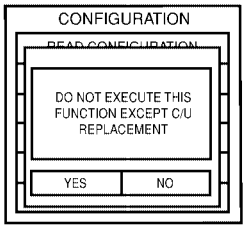
LKIA0487E

7. Touch “WRITE CONFIGURATION” on “SELECT CONFIG ITEM” screen.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.
LKIA0503E

8. Touch "YES”.
For canceling, touch "NO".

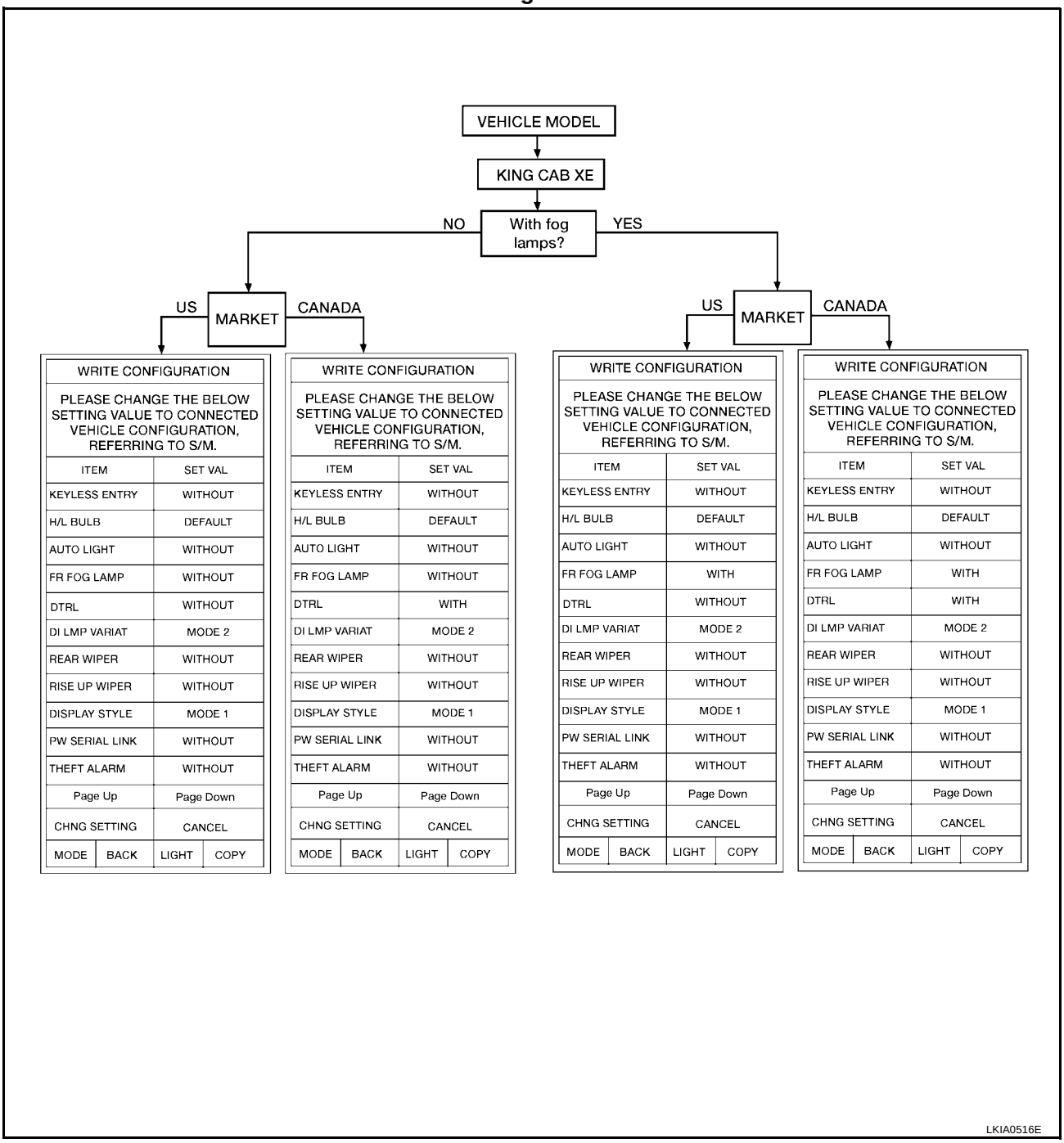


LKIA0175E

9. Using the following flow charts, identify the correct model and configuration list. Confirm and/or change setting value for each item according to the configuration list.
   Depending on CONSULT-II software version being used, some or all of the write configuration items shown in the following configuration lists may be displayed. If an item does not appear on the CONSULT-II "WRITE CONFIGURATION" screen(s), then it is an auto setting item and it cannot be manually set or changed.

   NOTE:
   Confirm vehicle model on IDENTIFICATION PLATE. Refer to GI-46, "Model Variation" in GI section.

King Cab XE



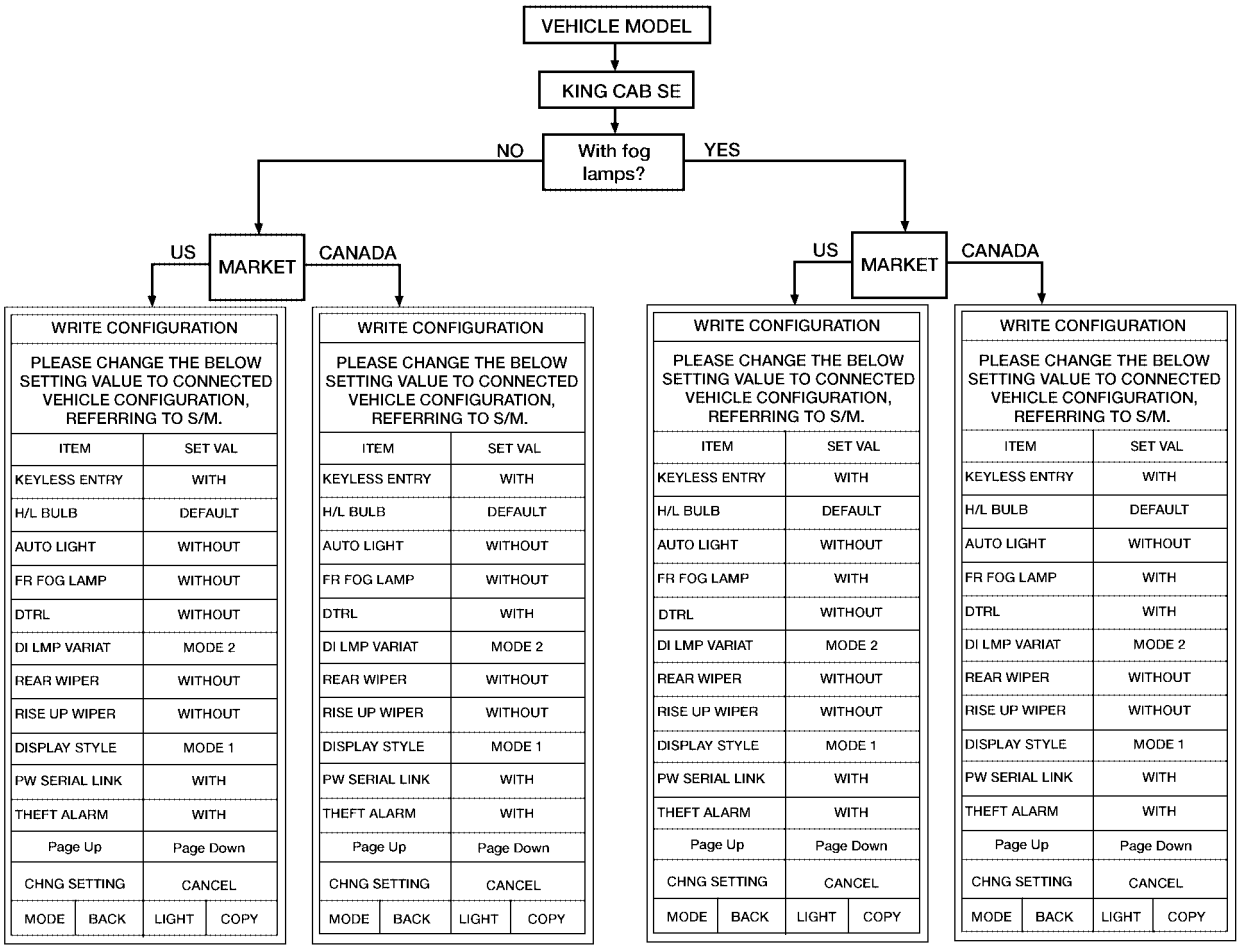
WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITHOUT		
H/L BULB	DEFAULT		
AUTO LIGHT	WITHOUT		
FR FOG LAMP	WITHOUT		
DTRL	WITHOUT		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITHOUT		
THEFT ALARM	WITHOUT		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITHOUT		
H/L BULB	DEFAULT		
AUTO LIGHT	WITHOUT		
FR FOG LAMP	WITHOUT		
DTRL	WITH		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITHOUT		
THEFT ALARM	WITHOUT		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITHOUT		
H/L BULB	DEFAULT		
AUTO LIGHT	WITHOUT		
FR FOG LAMP	WITH		
DTRL	WITHOUT		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITHOUT		
THEFT ALARM	WITHOUT		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

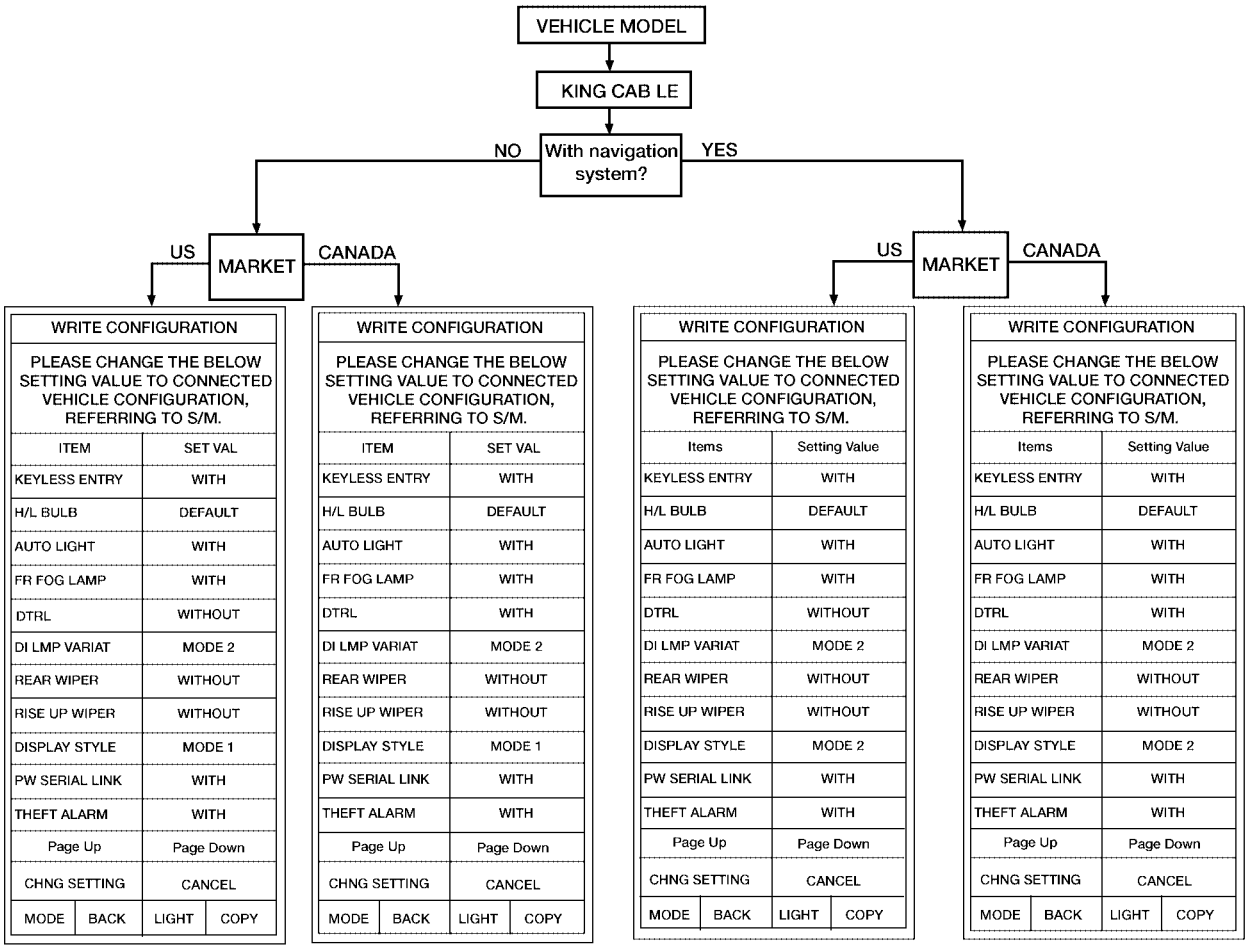
WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITHOUT		
H/L BULB	DEFAULT		
AUTO LIGHT	WITHOUT		
FR FOG LAMP	WITH		
DTRL	WITH		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITHOUT		
THEFT ALARM	WITHOUT		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

King Cab SE



LKIA0517E

King Cab LE



WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITH		
H/L BULB	DEFAULT		
AUTO LIGHT	WITH		
FR FOG LAMP	WITH		
DTRL	WITHOUT		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITH		
THEFT ALARM	WITH		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

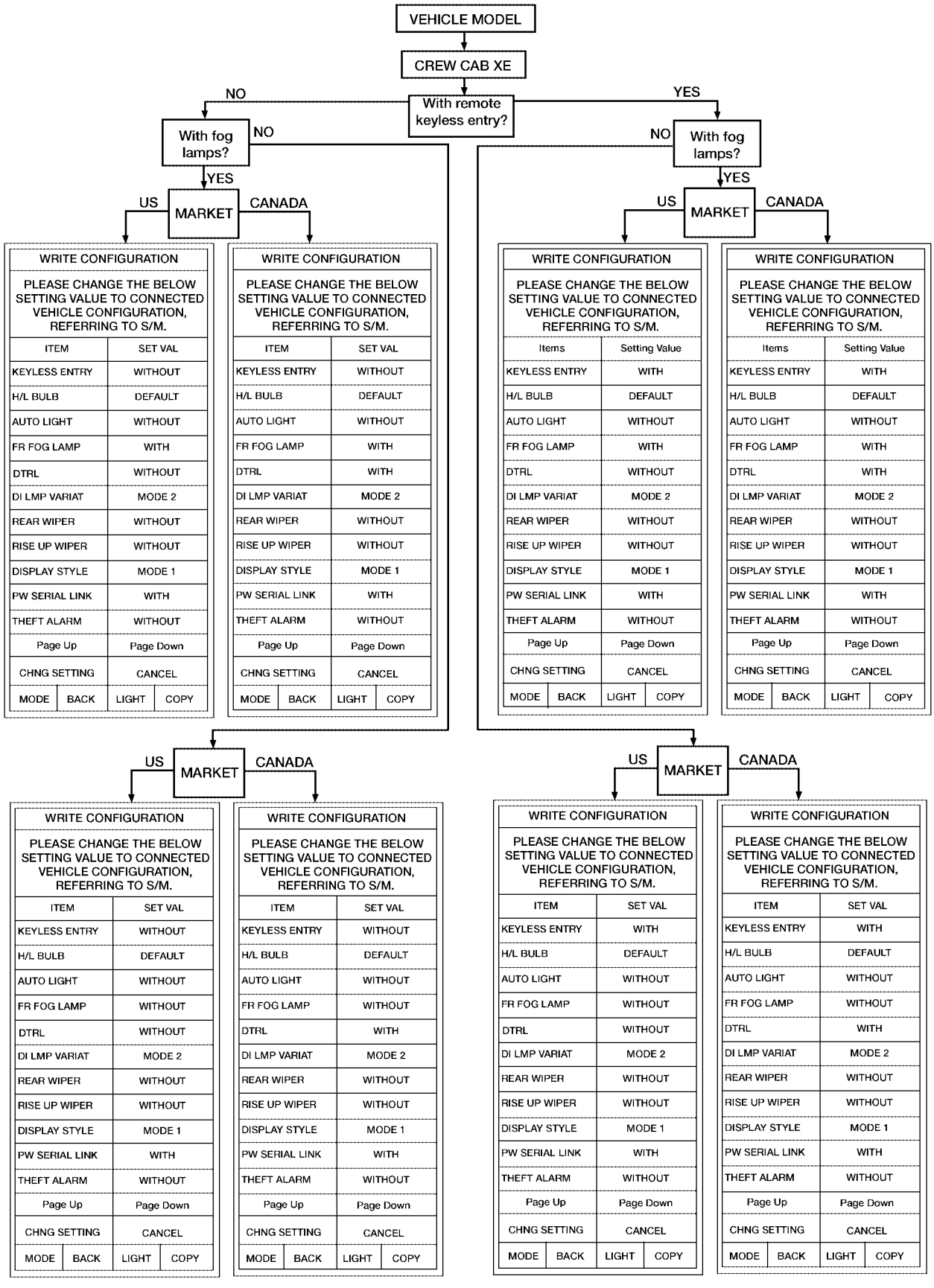
WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM	SET VAL		
KEYLESS ENTRY	WITH		
H/L BULB	DEFAULT		
AUTO LIGHT	WITH		
FR FOG LAMP	WITH		
DTRL	WITH		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 1		
PW SERIAL LINK	WITH		
THEFT ALARM	WITH		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
Items	Setting Value		
KEYLESS ENTRY	WITH		
H/L BULB	DEFAULT		
AUTO LIGHT	WITH		
FR FOG LAMP	WITH		
DTRL	WITHOUT		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 2		
PW SERIAL LINK	WITH		
THEFT ALARM	WITH		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
Items	Setting Value		
KEYLESS ENTRY	WITH		
H/L BULB	DEFAULT		
AUTO LIGHT	WITH		
FR FOG LAMP	WITH		
DTRL	WITH		
DI LMP VARIAT	MODE 2		
REAR WIPER	WITHOUT		
RISE UP WIPER	WITHOUT		
DISPLAY STYLE	MODE 2		
PW SERIAL LINK	WITH		
THEFT ALARM	WITH		
Page Up	Page Down		
CHNG SETTING	CANCEL		
MODE	BACK	LIGHT	COPY

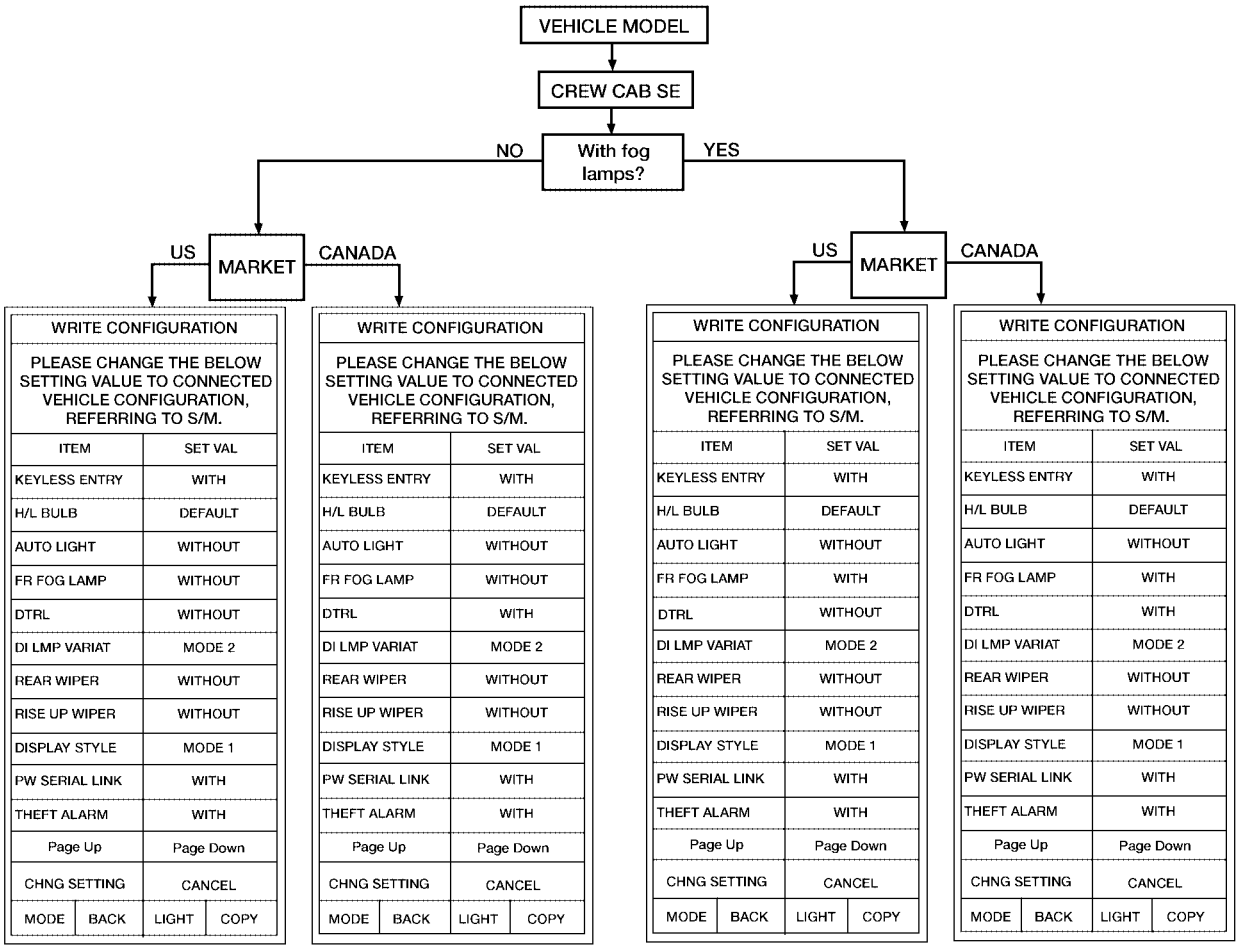
LKIA0518E

Crew Cab XE



LKIA0519E

Crew Cab SE



WRITE CONFIGURATION	
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.	
ITEM	SET VAL
KEYLESS ENTRY	WITH
H/L BULB	DEFAULT
AUTO LIGHT	WITHOUT
FR FOG LAMP	WITHOUT
DTRL	WITHOUT
DI LMP VARIAT	MODE 2
REAR WIPER	WITHOUT
RISE UP WIPER	WITHOUT
DISPLAY STYLE	MODE 1
PW SERIAL LINK	WITH
THEFT ALARM	WITH
Page Up	Page Down
CHNG SETTING	CANCEL
MODE / BACK	LIGHT / COPY

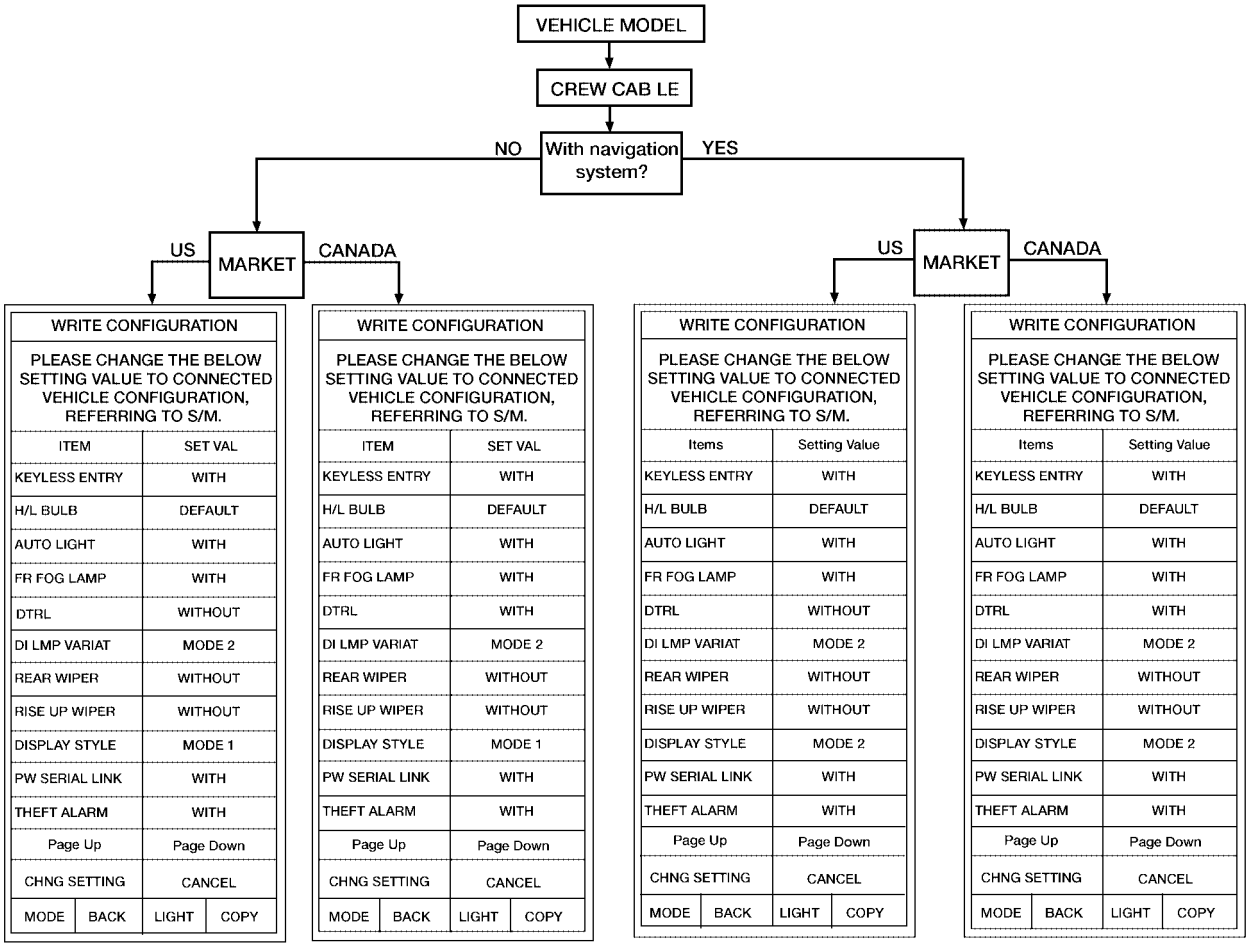
WRITE CONFIGURATION	
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.	
ITEM	SET VAL
KEYLESS ENTRY	WITH
H/L BULB	DEFAULT
AUTO LIGHT	WITHOUT
FR FOG LAMP	WITHOUT
DTRL	WITH
DI LMP VARIAT	MODE 2
REAR WIPER	WITHOUT
RISE UP WIPER	WITHOUT
DISPLAY STYLE	MODE 1
PW SERIAL LINK	WITH
THEFT ALARM	WITH
Page Up	Page Down
CHNG SETTING	CANCEL
MODE / BACK	LIGHT / COPY

WRITE CONFIGURATION	
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.	
ITEM	SET VAL
KEYLESS ENTRY	WITH
H/L BULB	DEFAULT
AUTO LIGHT	WITHOUT
FR FOG LAMP	WITH
DTRL	WITHOUT
DI LMP VARIAT	MODE 2
REAR WIPER	WITHOUT
RISE UP WIPER	WITHOUT
DISPLAY STYLE	MODE 1
PW SERIAL LINK	WITH
THEFT ALARM	WITH
Page Up	Page Down
CHNG SETTING	CANCEL
MODE / BACK	LIGHT / COPY

WRITE CONFIGURATION	
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.	
ITEM	SET VAL
KEYLESS ENTRY	WITH
H/L BULB	DEFAULT
AUTO LIGHT	WITHOUT
FR FOG LAMP	WITH
DTRL	WITH
DI LMP VARIAT	MODE 2
REAR WIPER	WITHOUT
RISE UP WIPER	WITHOUT
DISPLAY STYLE	MODE 1
PW SERIAL LINK	WITH
THEFT ALARM	WITH
Page Up	Page Down
CHNG SETTING	CANCEL
MODE / BACK	LIGHT / COPY

LKIA0520E

Crew Cab LE



WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM		SET VAL	
KEYLESS ENTRY		WITH	
H/L BULB		DEFAULT	
AUTO LIGHT		WITH	
FR FOG LAMP		WITH	
DTRL		WITHOUT	
DI LMP VARIAT		MODE 2	
REAR WIPER		WITHOUT	
RISE UP WIPER		WITHOUT	
DISPLAY STYLE		MODE 1	
PW SERIAL LINK		WITH	
THEFT ALARM		WITH	
Page Up		Page Down	
CHNG SETTING		CANCEL	
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
ITEM		SET VAL	
KEYLESS ENTRY		WITH	
H/L BULB		DEFAULT	
AUTO LIGHT		WITH	
FR FOG LAMP		WITH	
DTRL		WITH	
DI LMP VARIAT		MODE 2	
REAR WIPER		WITHOUT	
RISE UP WIPER		WITHOUT	
DISPLAY STYLE		MODE 1	
PW SERIAL LINK		WITH	
THEFT ALARM		WITH	
Page Up		Page Down	
CHNG SETTING		CANCEL	
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
Items		Setting Value	
KEYLESS ENTRY		WITH	
H/L BULB		DEFAULT	
AUTO LIGHT		WITH	
FR FOG LAMP		WITH	
DTRL		WITHOUT	
DI LMP VARIAT		MODE 2	
REAR WIPER		WITHOUT	
RISE UP WIPER		WITHOUT	
DISPLAY STYLE		MODE 2	
PW SERIAL LINK		WITH	
THEFT ALARM		WITH	
Page Up		Page Down	
CHNG SETTING		CANCEL	
MODE	BACK	LIGHT	COPY

WRITE CONFIGURATION			
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION, REFERRING TO S/M.			
Items		Setting Value	
KEYLESS ENTRY		WITH	
H/L BULB		DEFAULT	
AUTO LIGHT		WITH	
FR FOG LAMP		WITH	
DTRL		WITH	
DI LMP VARIAT		MODE 2	
REAR WIPER		WITHOUT	
RISE UP WIPER		WITHOUT	
DISPLAY STYLE		MODE 2	
PW SERIAL LINK		WITH	
THEFT ALARM		WITH	
Page Up		Page Down	
CHNG SETTING		CANCEL	
MODE	BACK	LIGHT	COPY

LKIA0521E

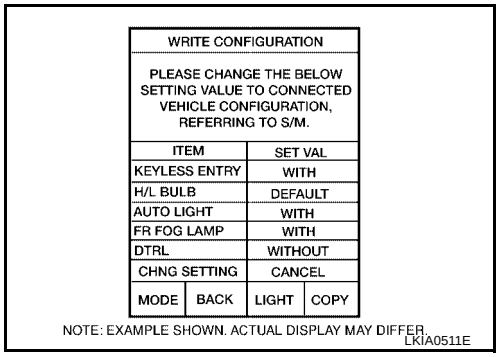
10. Touch "CHNG SETTING" on "WRITE CONFIGURATION" screen.

CAUTION:

Make sure to touch "CHNG SETTING" even if the indicated configuration of brand-new BCM is same as the desirable configuration.

If not, configuration which is set automatically by selecting vehicle model cannot be memorized.

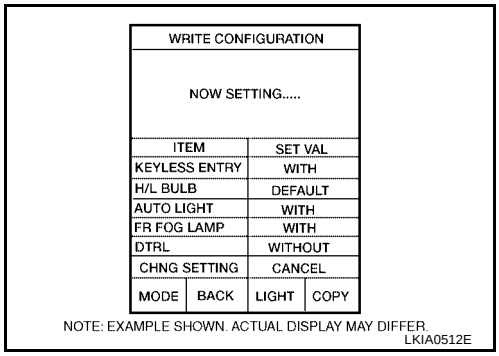
11. Touch “OK” on "WRITE CONFIGURATION" screen.
If "CANCEL" is touched, it will return to previous screen.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.

LKIA0511E

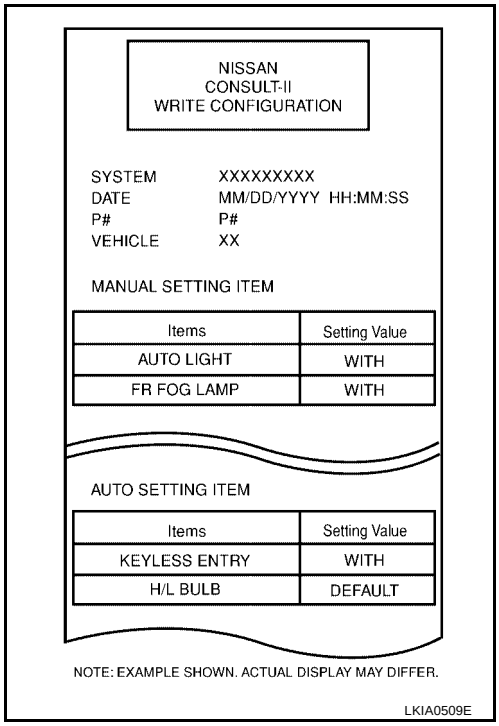
12. Wait until the next screen during setting.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.

LKIA0512E

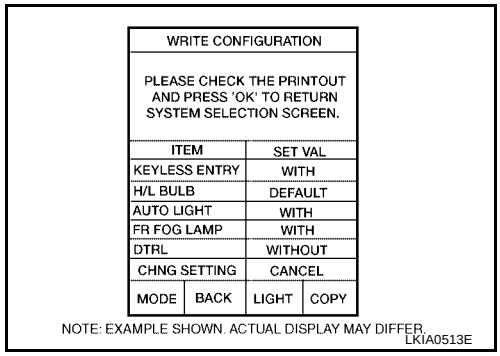
13. WRITE CONFIGURATION results are printed out automatically. Confirm "WRITE CONFIGURATION" is correctly executed by comparing sheet automatically printed out with applicable configuration list shown in step 9.



NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER.

LKIA0509E

14. Touch "OK" on "WRITE CONFIGURATION" screen.
WRITE CONFIGURATION is completed.



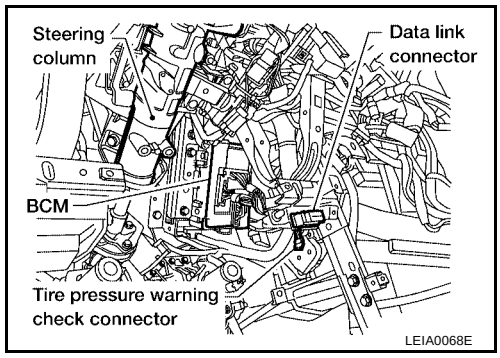
Removal and Installation of BCM

EKS00778

REMOVAL

NOTE:
If possible, before removing BCM, retrieve current BCM configuration to use for reference when configuring new BCM after installation. Refer to BCS-13, "Configuration" .

1. Disconnect negative battery cable.
2. Remove lower knee bolster. Refer to IP-10, "Removal and Installation" .
3. Remove screw and release BCM.
4. Disconnect connectors and then remove BCM.



INSTALLATION

Install in the reverse order of removal.

NOTE:

- When replacing BCM, it must be configured. Refer to BCS-13, "Configuration" .
- When replacing BCM, perform initialization of NATS system and registration of all NATS ignition key IDs. Refer to BL-135, "NVIS(NISSAN Vehicle Immobilizer System-NATS)" .