



SERVICE CAMPAIGN BULLETIN

Reference:

NTB05-086

Date:

September 22, 2005

VOLUNTARY SERVICE CAMPAIGN BODY CONTROL MODULE SUB-HARNESS

CAMPAIGN I.D. #: P5234

APPLIED VEHICLES: 2004-05 Titan (A60)
2004-05 Armada (TA60)
2005 Frontier (D40)
2005 Pathfinder (R51)
2005 Xterra (N50)

APPLIED VINS: Titan King Cab: 1N6*A06**4N500014-593471
Titan King Cab: 1N6*A06**5N500006-547508
Titan Crew Cab: 1N6*A07**4N055132-593472
Titan Crew Cab: 1N6*A07**5N500000-547507
Armada: 5N1*A08**4N057073-747082
Armada: 5N1*A08**5N700000-725222
Frontier King Cab: 1N6*D06**5C400026-437197
Frontier Crew Cab: 1N6*D07**5C400012-437203
Pathfinder: 5N1*R18**5C700001-748937
Xterra: 5N1*N08**5C600000-621507

NOTE: Use Service Comm to confirm campaign eligibility.

INTRODUCTION

Nissan is committed to providing the highest levels of product quality and customer satisfaction. We know that towing a trailer may have been an important consideration in the customer's purchase decision. In new Titan, Armada, Frontier, Pathfinder, and Xterra vehicles, Nissan recently introduced enhanced electronic circuitry which may help further protect a vehicle from damage or fire caused by a short circuit in **the electrical system of a towed trailer** due to problems with the trailer's wiring or mis-installation of trailer lighting or electrical accessories. Nissan is making this production enhancement available to owners of previously purchased vehicles so that they will have the same protection should they ever tow a trailer with a defective electrical system.

IDENTIFICATION NUMBER

Nissan has assigned identification number P5234 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

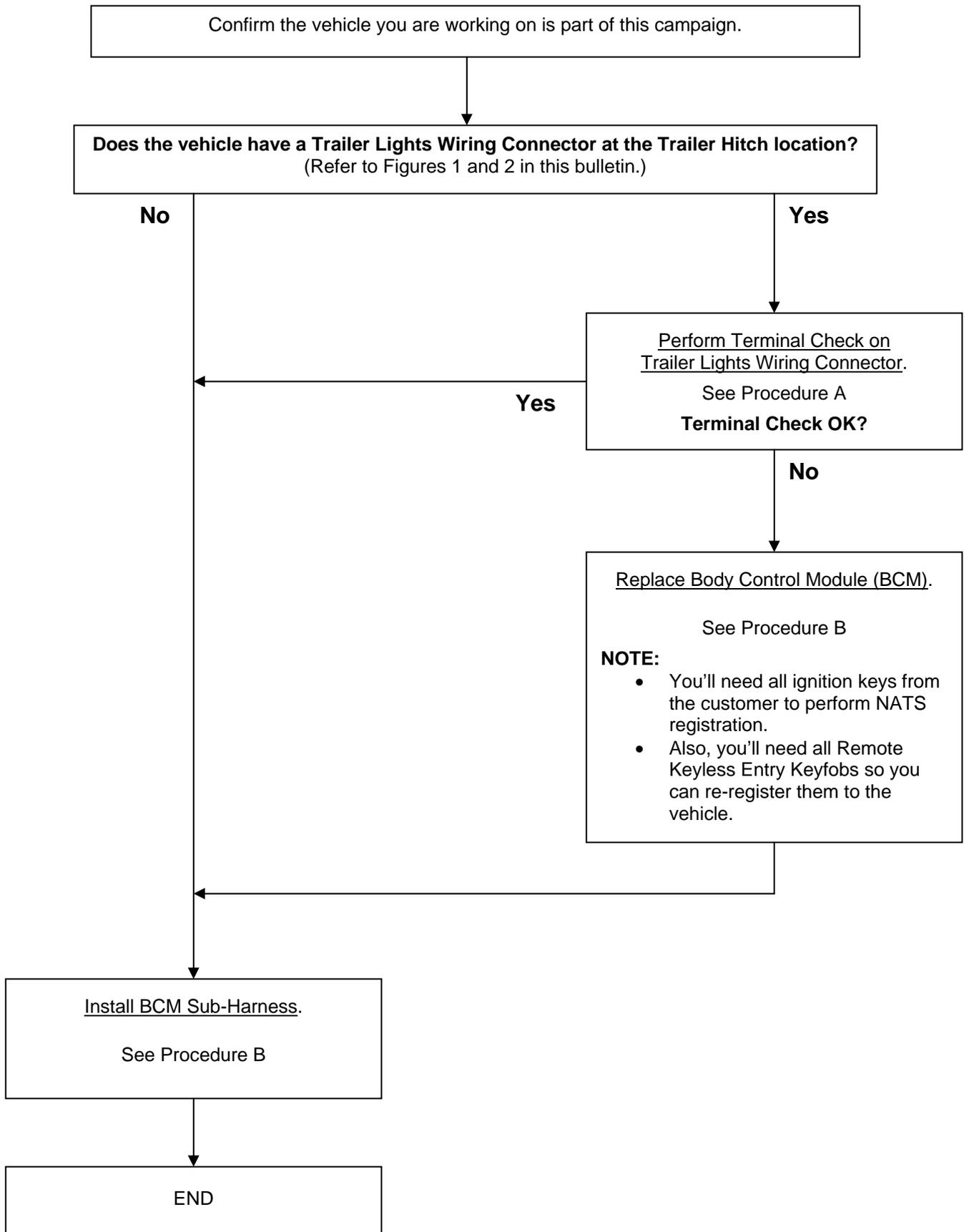
NUMBER OF VEHICLES IN THIS CAMPAIGN

The number of vehicles in this campaign is 304,000.

DEALER RESPONSIBILITY

It is the Nissan dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this Voluntary Service Campaign (P5234) that enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a Nissan dealer's inventory.

REPAIR FLOW CHART



PROCEDURE A: TRAILER LIGHTS WIRING CONNECTOR TERMINAL CHECK

Check the condition of the BCM by performing a terminal check at the Trailer Lights Wiring Connector (near the trailer hitch) as follows.

Procedure A (Terminal Check) is split up into two sections:

- Section 1: For vehicles with a 4-terminal Trailer Lights Wiring Connector.
- Section 2: For vehicles with a 7-terminal Trailer Lights Wiring Connector.

NOTE: For vehicles without a trailer lights wiring connector, the BCM condition will be checked later in Procedure B.

Section 1: Vehicles Equipped With 4-terminal Trailer Lights Wiring Connector

1. Turn the ignition switch to the ON position.
2. Make sure the combination switch and hazard switch are OFF.
3. Using a Test Light, check for power at terminals **#3** and **#4** (see Figure 1).
 - If there is power at either terminal, replace the BCM. Return to the Repair Flow Chart for further instructions.
 - If there is NO power at either terminal, the circuit is OK. Return to the Repair Flow Chart for further instructions.

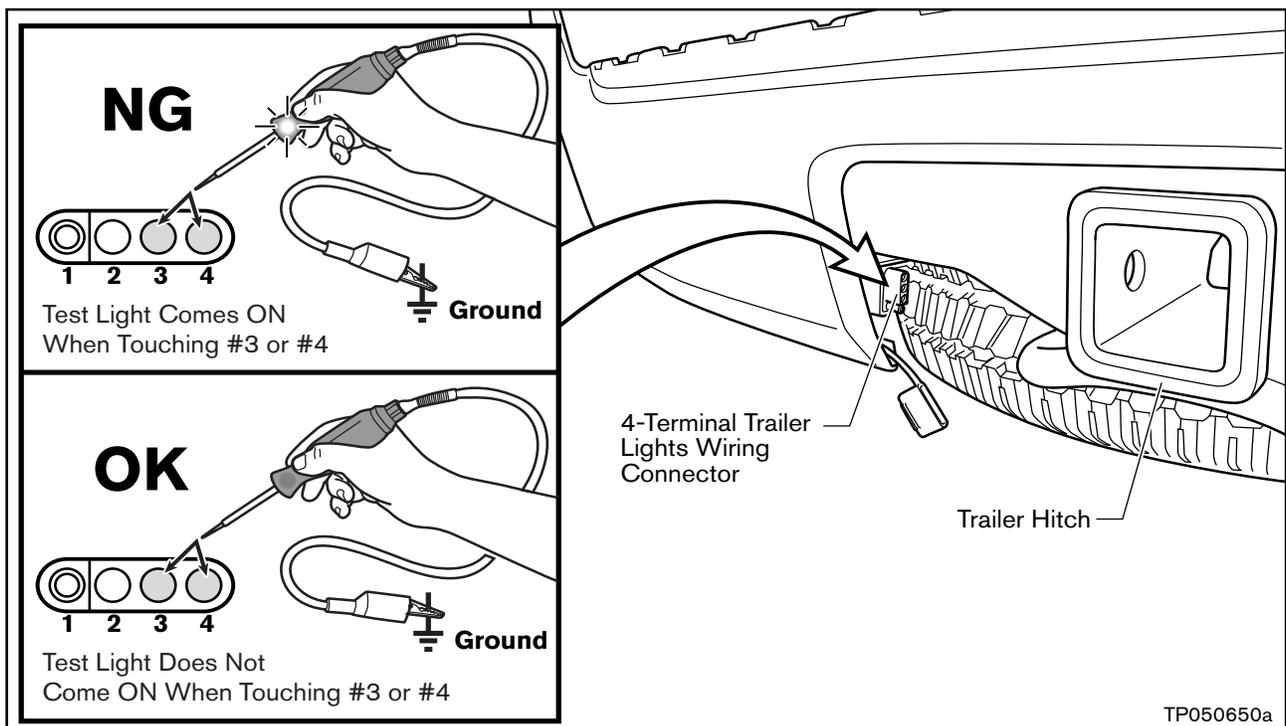


Figure 1

4. Turn the ignition switch OFF.

Section 2: Vehicles Equipped With 7-terminal Trailer Lights Wiring Connector

1. Turn the ignition switch to the ON position.
2. Make sure the combination switch and hazard switch are OFF.
3. Using a Test Light, check for power at terminals **#2** and **#5** (see Figure 2).
 - If there is power at either terminal, replace the BCM. Return to the Repair Flow Chart for further instructions.
 - If there is NO power at either terminal, the circuit is OK. Return to the Repair Flow Chart for further instructions.

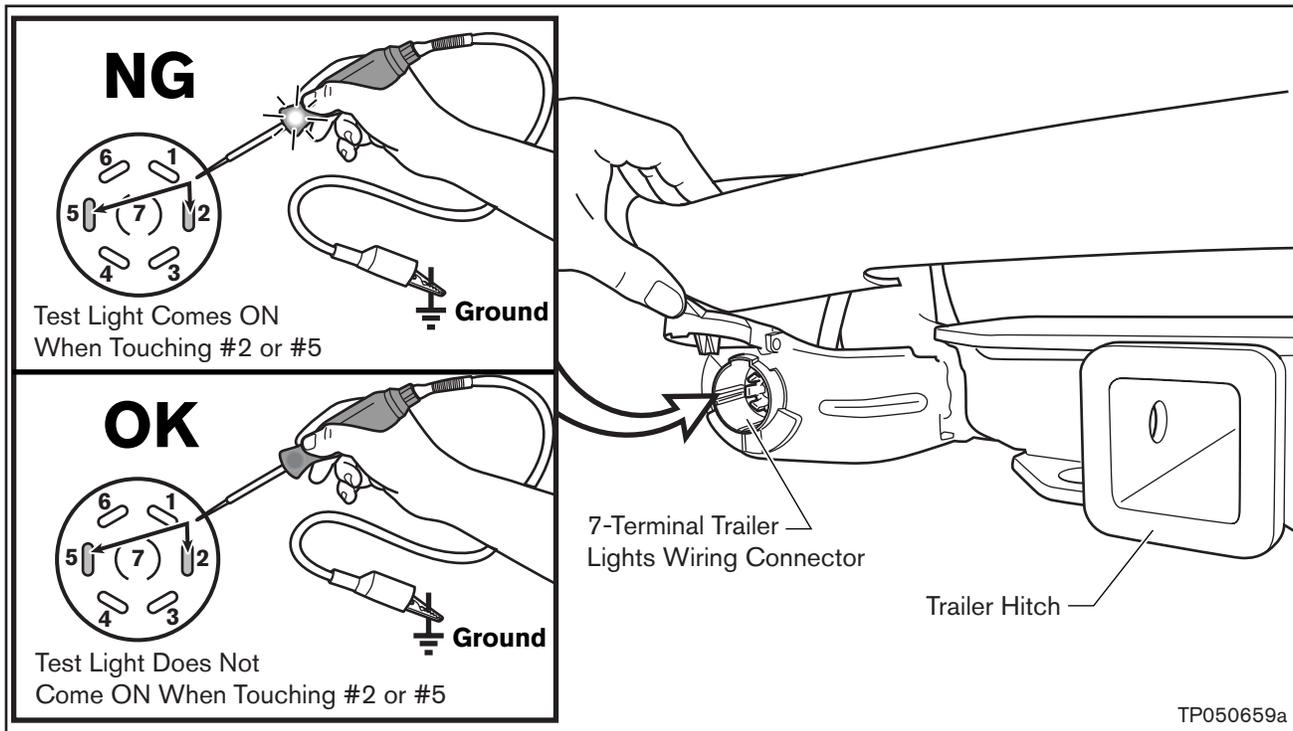


Figure 2

4. Turn the ignition switch OFF.

PROCEDURE B: BCM SUB-HARNESS INSTALLATION & BCM REPLACEMENT

NOTE: Procedure B (Sub-Harness Install/BCM Replace) is split up into two sections:

- Section 1: For Titan/Armada vehicles.
- Section 2: For Pathfinder/Frontier/Xterra vehicles.

CAUTION: Use suitable covers to protect upholstery, carpet, trim, etc. when performing this procedure.

Section 1: Titan/Armada Procedure

1. If you determined the BCM needs to be replaced (from Procedure A Terminal Check),
 - First perform BCM “Read Configuration” using CONSULT-II.
 - To do this, refer to “READ CONFIGURATION PROCEDURE” in section “BCS” in the applicable service manual.
2. Record all radio station presets and then disconnect the negative battery cable.

CAUTION: The complete repair needs to be conducted within one hour of disconnection of the battery. If the battery is left disconnected for longer than one hour, the idle setting may be lost and the vehicle may have difficulty starting.

	1	2	3	4	5	6
AM						
FM1						
FM2						

3. Remove the Driver's Side Instrument Panel Lower Cover (see Figure 3).
 - Remove two Screws at the lower corners of the Lower Cover.
 - Carefully pull the cover rearward to release the securing clips.
 - Disconnect all wire harness connectors from the panel.

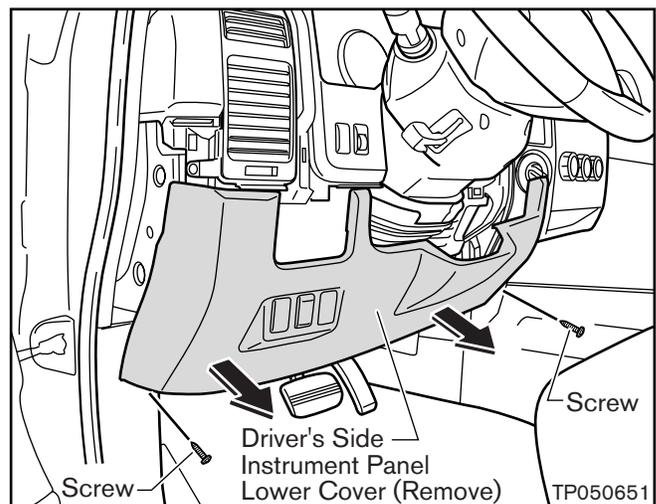


Figure 3

4. Remove four Bolts and remove the Driver's Side Lower Knee Protector (see Figure 4).

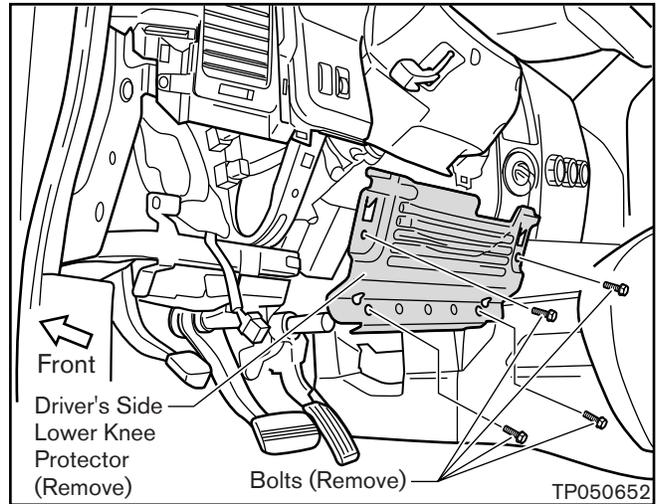


Figure 4

5. Remove the LH Instrument Lower Cover next to the Accelerator Pedal (see Figure 5).
 - Carefully pull outward to release the Securing Clips.

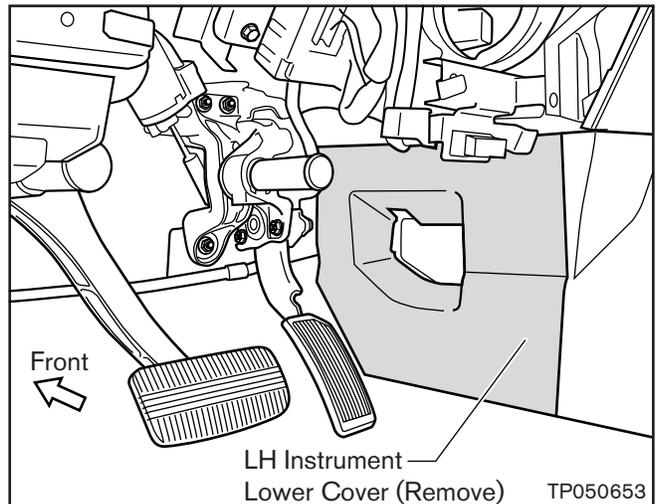


Figure 5

6. If the BCM needs to be replaced as confirmed by Procedure A Terminal Check, go ahead and replace the BCM now. Then continue with step #8 (below).
 - Remove all three Harness Connectors from the BCM (see Figure 6).
 - Remove the two BCM Mounting Bolts and remove BCM (see Figure 6).
 - Install new BCM.
 - Reconnect the top connector ONLY (as viewed in Figure 6).
7. If the BCM does not need to be replaced,
 - Install the new Sub-Harness.
 - Start by disconnecting ONLY the two vertical Connectors at the BCM (see Figure 6).

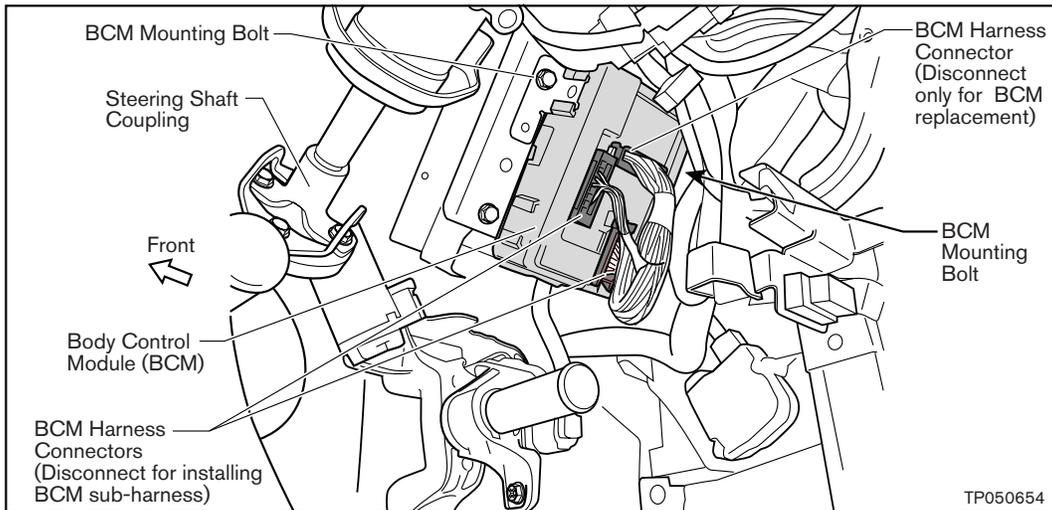


Figure 6

8. Connect the fuse end of the BCM Sub-Harness to the BCM as shown in Figure 7.

- Make sure the connectors are securely connected ("snapped" in place) to the BCM.

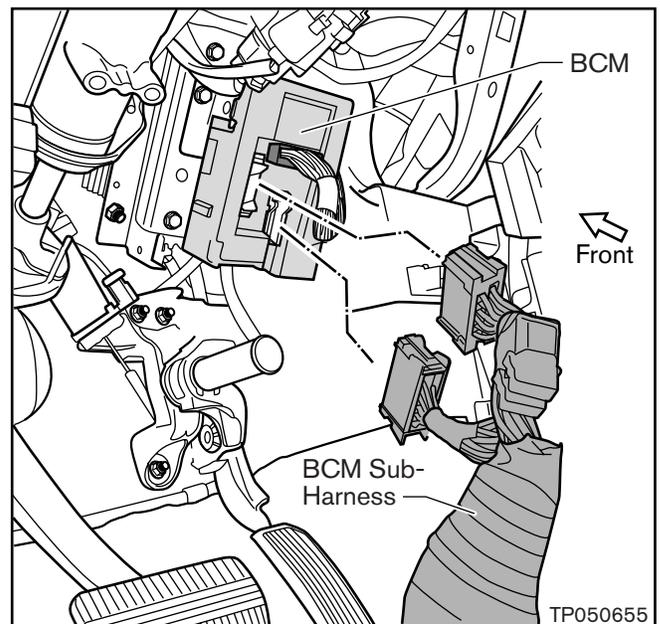


Figure 7

9. At the other end of the BCM Sub-Harness:

- Connect the White Connector to the vehicle-side harness white connector (see Figure 8a).
- Then connect the Black Connector to the vehicle-side harness black connector (see Figure 8b).
- Make sure the connectors are securely connected (“snapped” in place).

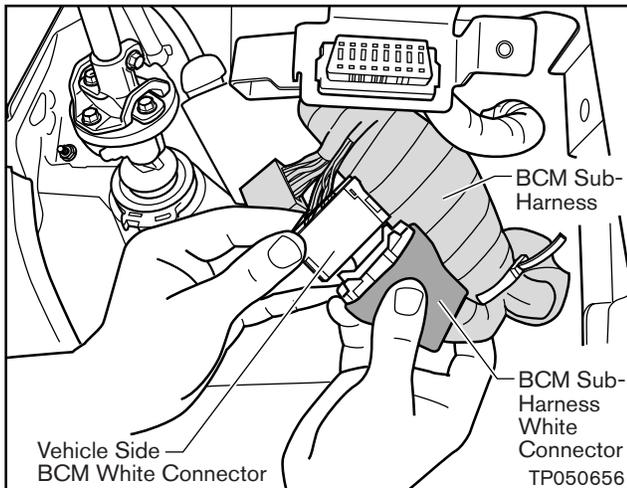


Figure 8a

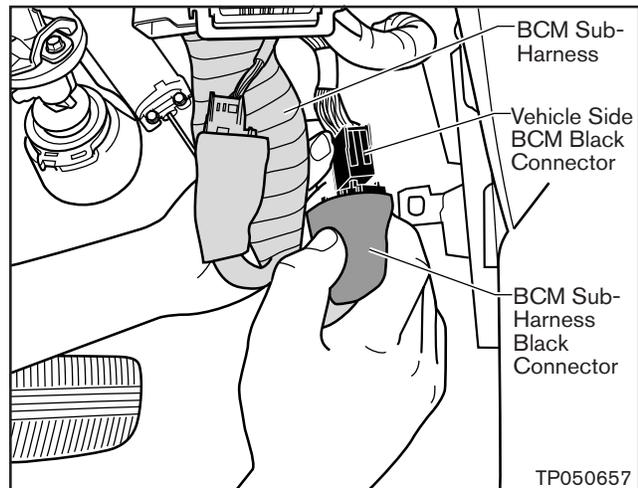


Figure 8b

10. Secure the new BCM Sub-Harness to the Existing Vehicle Harness (see Figure 9).

- Use the Tie Wrap that comes already attached to the new Sub-Harness.

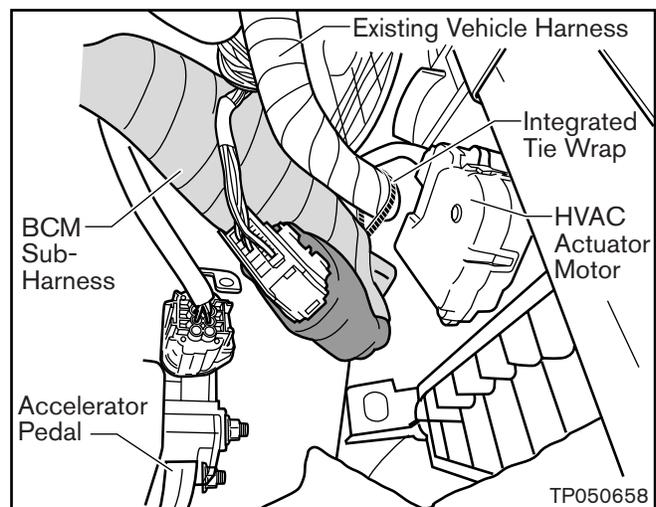


Figure 9

11. Re-connect the negative battery cable.

12. Confirm the installed BCM Sub-Harness does not interfere with the operation of the adjustable pedal assembly.

NOTE: It is okay if the BCM Sub-Harness has slight contact with the adjustable pedal assembly when the pedal assembly is adjusted to the end of its upward travel (closest to the driver).

13. For vehicles without a trailer lights wiring connector, confirm BCM operation as follows:

- a. Turn the ignition switch ON.
 - b. Place your hand on the new BCM Sub-Harness.
 - c. Activate the left turn indicator (blinker) and confirm a “click” is felt / heard each time the left turn indicator light flashes.
 - d. Activate the right turn indicator (blinker) and confirm a “click” is felt / heard each time the right turn indicator light flashes.
 - e. Apply the brake pedal and confirm a “click” is felt / heard when the brake lights come on.
- If you feel / hear a “clicking” noise when performing steps c, d, and e, go to the next step.
 - If you do not feel / hear a “clicking” noise when performing steps c, d, and e, replace the BCM, then go to the next step.

14. Re-install all components in reverse order of removal.

15. Re-program all radio station presets.

16. If the BCM was replaced, you'll need to do the following:

<p>IMPORTANT: You MUST perform the following steps according to the applicable service manual to ensure the new BCM is properly programmed to the original vehicle settings.</p>

- BCM “Write Configuration” using CONSULT-II. Refer to “WRITE CONFIGURATION PROCEDURE” in section “**BCS**” of the applicable service manual.
- Initialization of NATS System and Registration of all NATS Ignition Key I.D.s. Refer to Nissan Technical Bulletin NTB03-031b.
- I.D. Registration Procedure of the Low Tire Pressure Warning System. Refer to “I.D. REGISTRATION PROCEDURE” in section “**WT**” of the applicable service manual.
- Register I.D. Code for Remote Keyless Entry Keyfobs. Refer to section “**BL**” of the applicable service manual.
- BCM Headlamp Configuration. Refer to “HEADLAMP” information in section “**LT**” of the applicable service manual.

Section 2: Pathfinder/Frontier/Xterra Procedure

1. If you determined the BCM needs to be replaced (from Procedure A Terminal Check),
 - First perform BCM “Read Configuration” using CONSULT-II.
 - To do this, refer to “READ CONFIGURATION PROCEDURE” in section “BCS” in the applicable service manual.
2. Record all radio station presets and then disconnect the negative battery cable.

CAUTION: The complete repair needs to be conducted within one hour of disconnection of the battery. If the battery is left disconnected for longer than one hour, the idle setting may be lost and the vehicle may have difficulty starting.

	1	2	3	4	5	6
AM						
FM1						
FM2						

3. Remove the Driver’s Front Kick Plate (see Figure 10).
 - Carefully lift upward to release the securing clips.

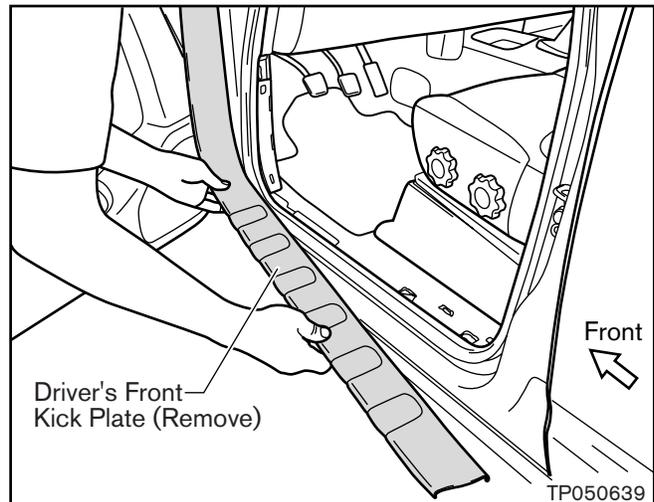


Figure 10

4. Carefully reposition the Driver’s Door Rubber Welt away from the Instrument Panel Side Trim (see Figure 11).

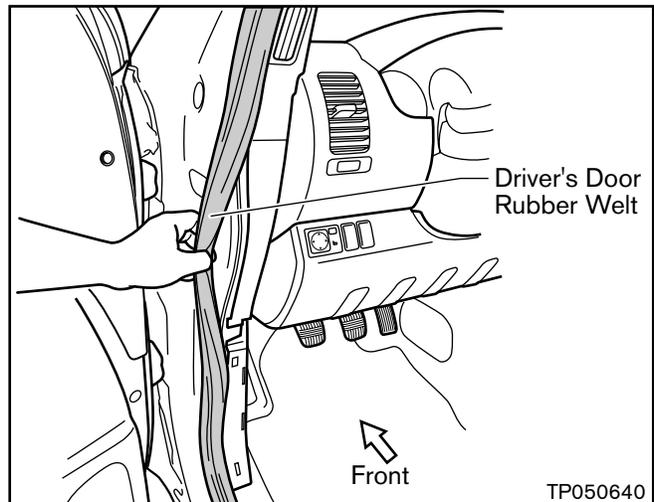


Figure 11

5. Carefully remove the Front Pillar Lower Finisher by pulling it rearward to release the Securing Clips (see Figure 12).

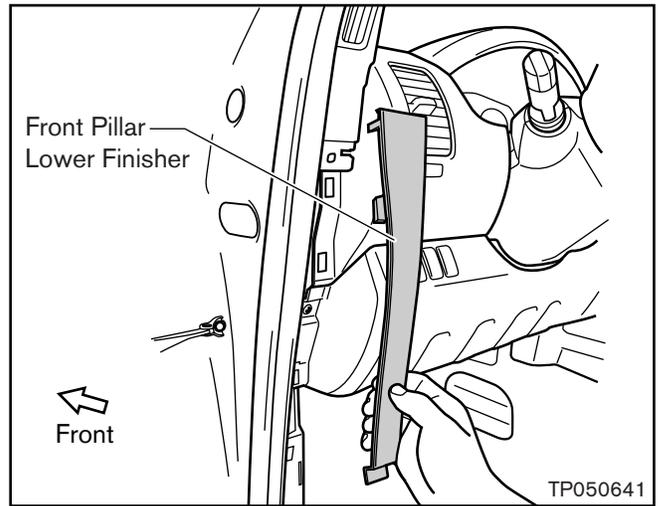


Figure 12

6. Remove two Screws and remove the Driver's Side Instrument Panel Lower Cover (see Figure 13).
- Carefully pull the Cover rearward to release the Securing Clips.
 - Disconnect all Harness Connectors from the Lower Cover.

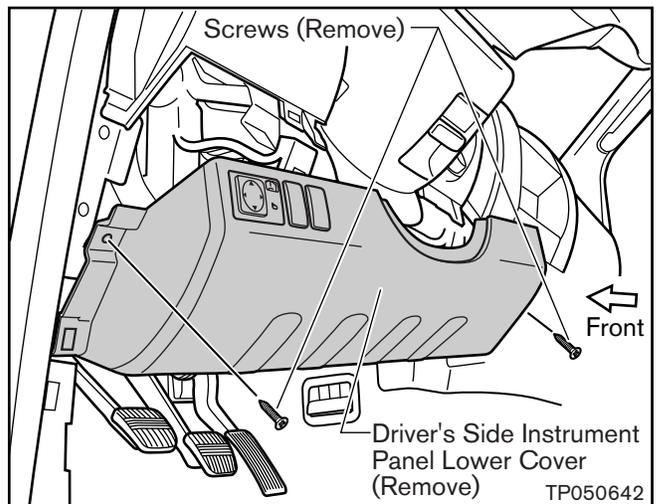


Figure 13

7. Remove two Bolts and remove the Knee Protector Brace (see Figure 14).

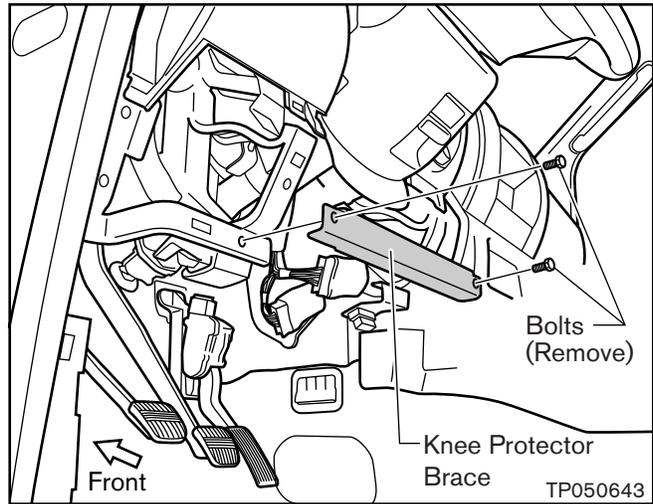


Figure 14

8. If the BCM needs to be replaced as confirmed by Procedure A Terminal Check, go ahead and replace the BCM now. Then continue with step #10 (next page).
- Remove all three Harness Connectors from the BCM (see Figure 15).
 - Remove the two BCM Mounting Bolts and remove BCM (see Figure 15).
 - Install the new BCM.
 - Reconnect the RH connector ONLY (as viewed in Figure 15.)
9. If the BCM does not need to be replaced:
- Install the new Sub-Harness.
 - Start by disconnecting ONLY the two horizontal Connectors at the BCM (see Figure 15).

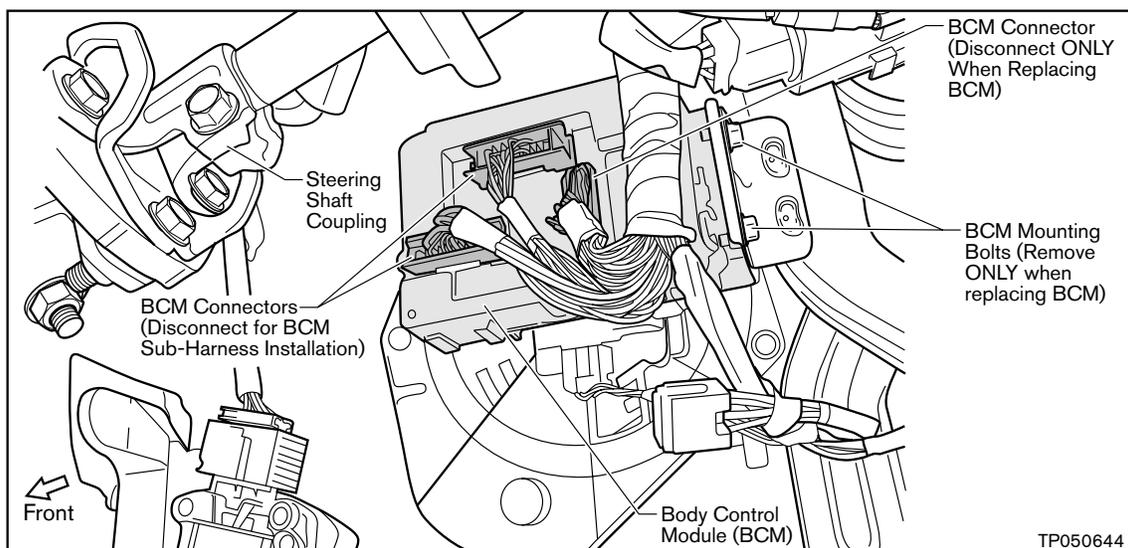


Figure 15

10. Connect the fuse end of the BCM Sub-Harness to the BCM as shown in Figure 16.

- Make sure the connectors are securely connected (“snapped in place”) to the BCM.

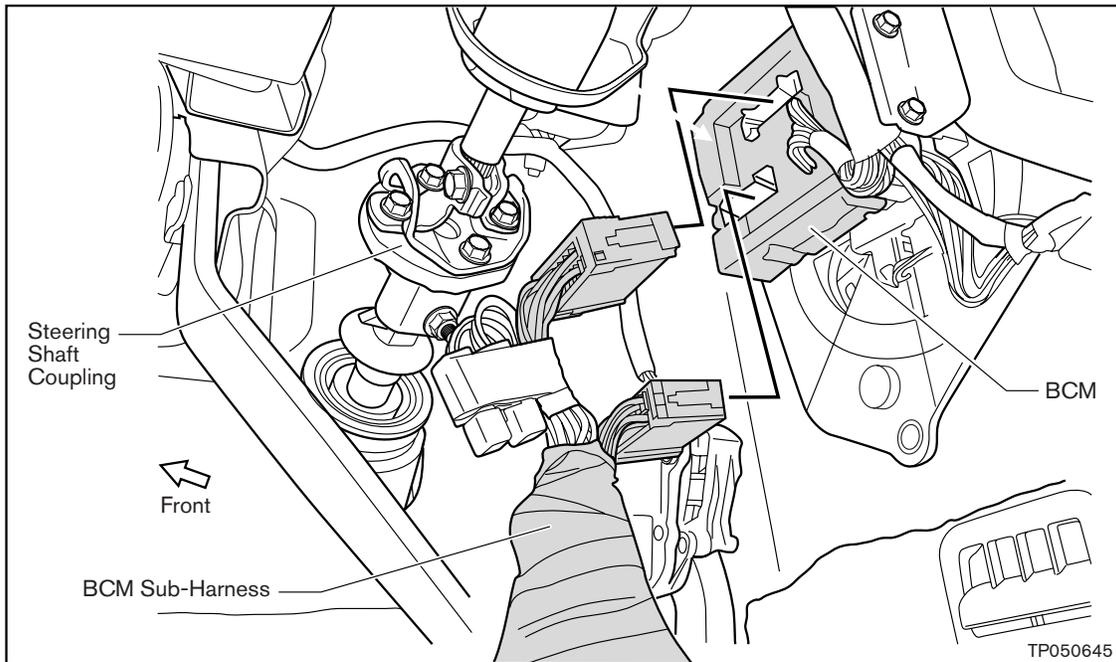


Figure 16

11. At the other end of the BCM Sub-Harness: Connect the White Connector to the vehicle-side harness white connector (see Figure 17a). Then connect the Black Connector to the vehicle-side harness black connector (see Figure 17b).

- Make sure the connectors are securely connected (“snapped in place”).

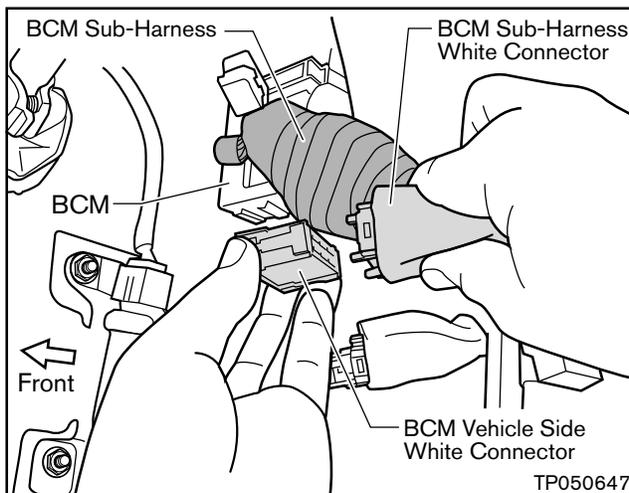


Figure 17a

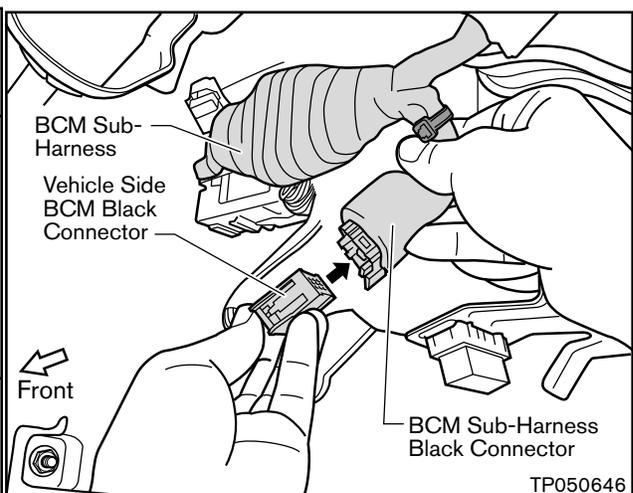


Figure 17b

12. Secure the new BCM Sub-Harness by snapping the Attachment Clip into the Instrument Panel Bracket Hole (see Figure 18).

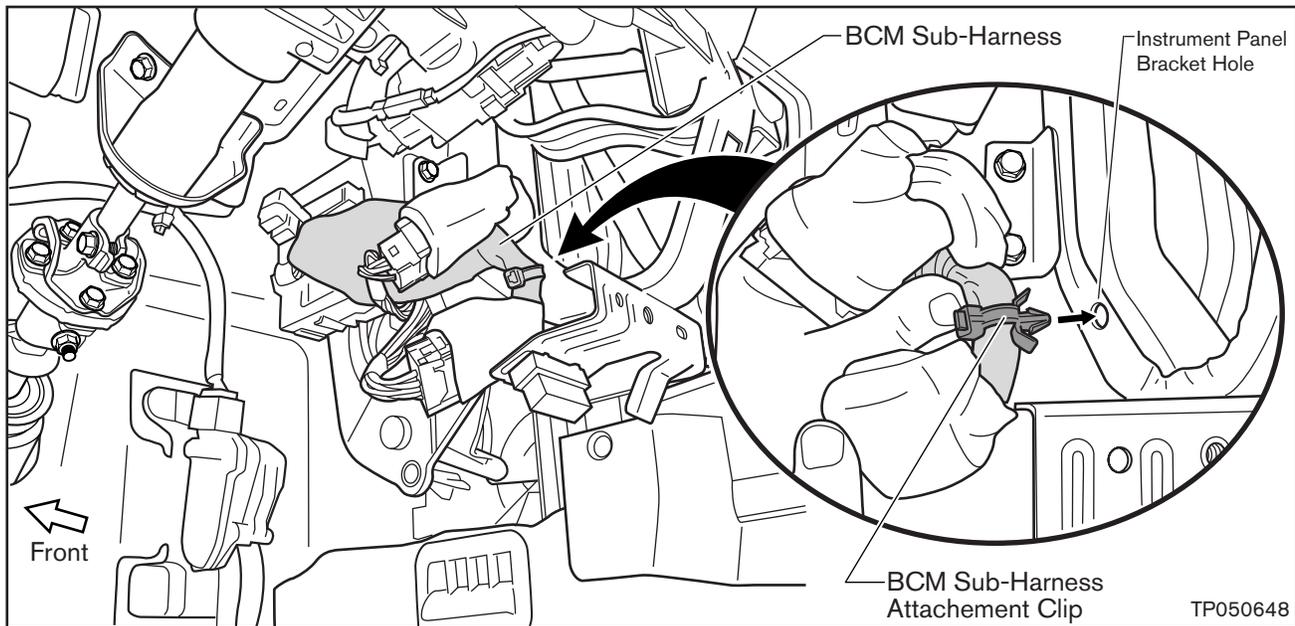


Figure 18

13. Re-connect the negative battery cable.

14. For vehicles without a trailer lights wiring connector, confirm BCM operation as follows:

- a. Turn the ignition switch ON.
 - b. Place your hand on the new BCM Sub-Harness.
 - c. Activate the left turn indicator (blinker) and confirm a “click” is felt / heard each time the left turn indicator light flashes.
 - d. Activate the right turn indicator (blinker) and confirm a “click” is felt / heard each time the right turn indicator light flashes.
 - e. Apply the brake pedal and confirm a “click” is felt / heard when the brake lights come on.
- If you feel / hear a “clicking” noise when performing steps c, d, and e, go to the next step.
 - If you do not feel / hear a “clicking” noise when performing steps c, d, and e, replace the BCM, then go to the next step.

15. Re-install all components in reverse order of removal.

16. Re-program all radio station presets.

17. If the BCM was replaced, you'll need to do the following:

IMPORTANT: You MUST perform the following steps according to the applicable service manual to ensure the new BCM is properly programmed to the original vehicle settings.

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- Initialization of NATS System and Registration of all NATS Ignition Key I.D.s. Refer to Nissan Technical Bulletin NTB03-031b.
- I.D. Registration Procedure of the Low Tire Pressure Warning System. Refer to “I.D. REGISTRATION PROCEDURE” in section “**WT**” of the applicable service manual.
- Register I.D. Code for Remote Keyless Entry Keyfobs. Refer to section “**BL**” of the applicable service manual.
- BCM Headlamp Configuration. Refer to “HEADLAMP” information in section “**LT**” of the applicable service manual.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
BCM Sub-Harness (Titan/Armada)	24167-ZH00A	1
BCM Sub-Harness (Pathfinder/Frontier/Xterra)	24167-ZH02A	1

CLAIMS INFORMATION

Submit a Campaign (CM) line claim using the following claims coding:

“CM” I.D.: P5234

Titan (A60) & Armada (TA60):

DESCRIPTION	OP CODE	FRT
Install BCM Sub Harness	P52340	0.4 hrs

Xterra (N50), Pathfinder (R51) & Frontier (D40):

DESCRIPTION	OP CODE	FRT
Install BCM Sub Harness	P52342	0.5 hrs

OR:

Titan (A60) & Armada (TA60):

DESCRIPTION	OP CODE	FRT
Install BCM Sub Harness & RPL BCM Controller	P52341	0.9 hrs

Xterra (N50), Pathfinder (R51) & Frontier (D40):

DESCRIPTION	OP CODE	FRT
Install BCM Sub Harness & RPL BCM Controller	P52343	1.0 hrs

OWNER'S LETTER

Dear Nissan Owner:

Nissan is committed to providing the highest levels of product quality and customer satisfaction. We know that towing a trailer may have been an important consideration in your vehicle's purchase. In new Titan, Armada, Pathfinder, Frontier and Xterra vehicles, Nissan recently introduced enhanced electronic circuitry which may help further protect your vehicle from damage or fire caused by a short circuit in **the electrical system of a towed trailer** due to problems with the trailer's wiring or mis-installation of trailer lighting or electrical accessories. This is to advise you that Nissan is making this production enhancement available to you *free of charge* so that you will have the same protection should you ever tow a trailer with a defective electrical system.

What You Should Do

To take advantage of this offer, please contact your Nissan dealer at your earliest convenience to arrange an appointment to have this new circuit installed on your vehicle *at no cost to you*. This service should take about two hours to complete, but you should plan to leave your vehicle at the dealership for a full day. Please bring this notice with you when you keep your service appointment.

Important: When towing, always be sure to use a good quality trailer and other towing equipment. Always check your trailer for proper operation of lights and electrical accessories after connecting it to your vehicle.

Thank you for choosing Nissan.

Nissan Division
Nissan North America, Inc.

