



**1998 – Early 2005 LX 470**  
**Daytime Running Lights (DRL)**

**Special Service Campaign 5LB**

**M/N 00241-10006-5LB**

**May 2005**

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## PREPARING FOR THE SSC

### Overview

Lexus is initiating a Special Service Campaign (SSC). The 5LB SSC is for certain 1998 through early 2005 model year LX 470 vehicles. The Daytime Running Lights (DRL) on certain 1998 through early 2005 model year LX 470 vehicles exceed luminous intensity requirements of the DRL under the Federal Motor Vehicle Safety Standards (FMVSS 108).

### 5LB Repair

The SSC 5LB involves inspecting the vehicle and installing a DRL resistor if necessary.

### Customer Notification

Notification letters will be sent to the owners of affected vehicles beginning in June 2005. This letter will advise owners of the need to have the dealer inspect the vehicle and install a DRL resistor if necessary.

### Identifying Affected Vehicles

The 5LB Special Service Campaign only applies to specific 1998 through early 2005 model year LX 470 vehicles within the VIN ranges below. Not all vehicles in the VIN ranges are involved in this SSC. No other vehicles before or after this range are to be repaired under the provisions of this SSC.

Model	VDS	Model Year	Range
LX 470	HT00W	1998	0001038 – 0024741
		1999	0024149 - 0076278
		2000	0075334 - 0127131
		2001	3500000 - 3512305
		2002	3512065 – 3523349
		2003	3519394 – 3535572
		2004	3535334 – 3548789
		2005	3548477 – 3549236

**NOTE: Always consult Dealer Daily or TIS to confirm VIN eligibility and to assure the SSC is applicable. This will verify the vehicle is involved and has not already been completed by another dealer. TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected.**

### **Tools and Equipment**

The following tools and equipment are needed for the repair.

- Standard hand tools
- Double Locking Pick Tool (P/N 00002-27195)

### **Technical Training**

The back of this handbook contains the campaign specific repair procedures. We suggest that all service department staff who will be directly involved in completing the repair or supporting the SSC should review the repair procedures to prepare for this SSC.

### **Parts**

<b>Part Number</b>	<b>Part Description</b>	<b>Qty./Vehicle</b>
04005-08160	DRL Kit	1

You are encouraged to order only those parts needed to repair vehicles with service appointments. Individual dealer tracking will be done and irregularities in quantity ordering will be passed on to Lexus Area Offices for follow-up and correction. There will be sufficient inventory to accommodate this SSC.

### **Planning Your Communication Strategy**

It is important that you develop a strategy to communicate effectively. The following are some general statements that can be used when explaining the SSC.

**Q1: What is the condition?**

**A1:** The Daytime Running Lights (DRL) on certain 1998 through early 2005 model year LX 470 vehicles exceed luminous intensity requirements of the DRL under the Federal Motor Vehicle Safety Standards (FMVSS 108).

**Q2: What is the cause of this condition?**

A2: Due to a design error, the DRL on certain 1998 through early 2005 model year LX 470 vehicles operate at high illumination during vehicle operation. At this high illumination level, the LX 470 exceeds certain luminous intensity requirements as outlined by the Federal Motor Vehicle Safety Standards (FMVSS).

**Q3: Which and how many vehicles are involved?**

A3: There are approximately 75,000 (1998 through early 2005 MY) LX 470 vehicles involved in the U.S.

**Q4: What is the production period of the affected vehicles?**

A4: The affected Lexus LX 470 vehicles were produced from December 1997 through August 2004.

**Q5: Are there any other Toyota or Lexus vehicles involved?**

A5: No, this condition is specific to the 1998 through early 2005 MY LX 470 vehicles.

**Q6: Have there been any accidents reported?**

A6: There have been no reported cases of accidents related to this condition.

**Q7: What is Lexus going to do?**

A7: Owners of the involved vehicles will receive a Special Service Campaign notification by first class mail beginning in June 2005. Lexus dealers will install a special resistor to the DRL to reduce the luminous intensity to comply with the FMVSS at **NO CHARGE** to the vehicle owners.

**Q8: How long will the repair take?**

A8: The repair will take approximately one hour. However, depending upon the dealer's work schedule, it may be necessary to make the vehicle available for a longer period of time.

**Q9: What should an owner do if they experience the condition?**

**A9:** Owners are requested to contact their local Lexus dealer for diagnosis and repair.

**IMPLEMENTING  
THE 5LB SSC**

**Work Order Closing/  
Claim Submission**

The following information explains the policies and procedures for preparation and submission of a warranty claim for reimbursement of a repair performed under the SSC 5LB.

Repair	Claim Type	Opcode	Labor Hours*	Sublet
Install the DRL resister and wire harness  <b>(APPLICABLE TO ONLY 1998 – 2002 MY)</b>	SC	5520E1	0.4	GA (fuel), TW (tow), RT (loaner vehicle), DE (pick-up and delivery or remote repair), or CW (car wash) as required and substantiated by invoices
Install the DRL resister and wire harness; repair the wire harness in junction box  <b>(APPLICABLE TO ONLY 2003 – EARLY 2005 MY)</b>	SC	5520E2	1.1	

\* Includes 0.1 labor hours for administrative time.

**NOTE: Lexus warranty will only accept one claim per vehicle under the terms of the SSC. Please ensure that your dealership checks the National History File to see if the vehicle has been repaired under this SSC prior to servicing the vehicle.**

**Please reference Lexus' Special Service Campaign (SSC) and Limited Service Campaign (LSC) General Procedures posted in T.I.S. for campaign policy, procedures and claim submission guidelines.**

**1998 Through Early 2005 Model Year LX 470  
Special Service Campaign – Daytime Running Lights (DRL)  
Safety Recall Notice**

Dear Lexus Owner:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Lexus has decided that certain 1998 through early 2005 Model Year Lexus LX 470 vehicles fail to conform to Federal Motor Vehicle Safety Standard No. 108, Lamps, Reflective Devices and Associated Equipment.

**What is the problem?**

Due to a design error, the Daytime Running Lights (DRL) on certain 1998 through early 2005 model year LX 470 vehicles operate at high illumination during vehicle operation. At this high illumination level, the LX 470 exceeds certain luminous intensity requirements as outlined by the Federal Motor Vehicle Safety Standards (FMVSS). In the worst case, this condition could interfere with the vision of the driver of a vehicle driving in the opposite direction, thus raising the possibility of an accident.

**What will Toyota do?**

To meet the requirements of the FMVSS, any Lexus dealer will install a DRL resistor kit at **NO CHARGE** to you.

**What should you do?**

Please contact your authorized Lexus dealer to make an appointment to install the DRL resistor kit as soon as possible. The actual repair will take approximately 1 hour. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

**We request that you present this notice to the dealer at the time of your service appointment.**

If you no longer own the vehicle, please indicate so on the enclosed postage-paid form, providing us with the name and address of the new owner.

**What if you have other questions?**

***Your local Lexus dealer will be more than happy to answer any of your questions and set up an appointment to perform the installation.*** If you require further assistance, you may contact the Lexus Customer Experience Center at 1-800-255-3987.

**What if you have previously paid for the installation of the DRL resistor kit for this specific condition?**

If you have previously paid for the installation of the DRL resistor kit prior to receiving this letter, please mail a copy of your repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration.

Lexus Customer Experience, L201  
19001 South Western Avenue  
Torrance, CA 90509

Include your name, address, and telephone number(s) in your request. Please allow 4 to 6 weeks to review your request.

If you believe that the dealer or Lexus has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S.W., Washington, D.C. 20590, or call the toll free Auto Safety Hot Line at 1-888-327-4236.

If you are a vehicle lessor, Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

We have sent this notice in the interest of your continued satisfaction with our products, and we sincerely regret any inconvenience this condition may have caused you.

Thank you for driving a Lexus.

Sincerely,

LEXUS DIVISION  
TOYOTA MOTOR SALES, U.S.A., INC.

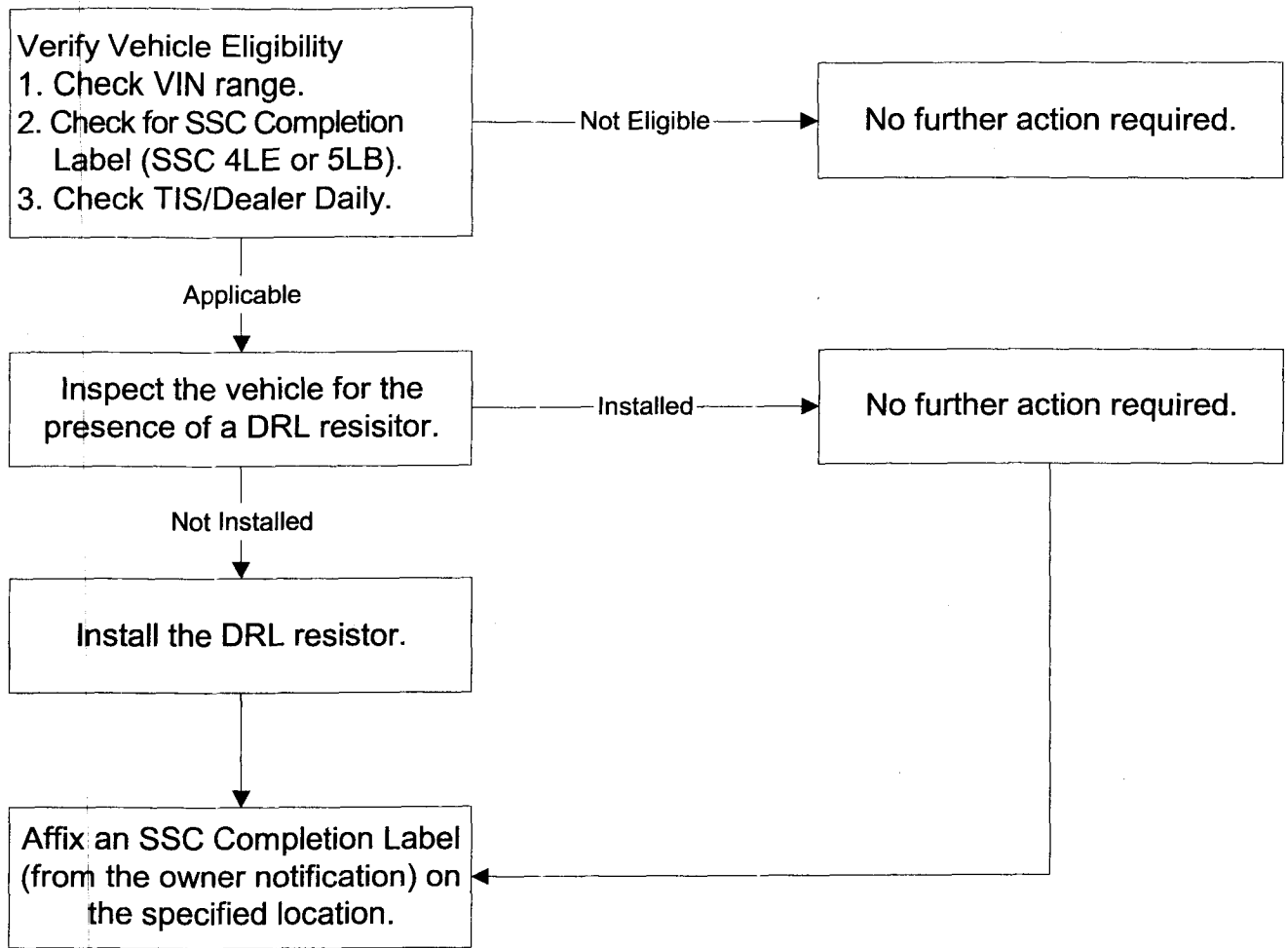
## **TECHNICAL INSTRUCTIONS**

### **SSC 5LB**

### **1998 – Early 2005 MY LX 470 DAYTIME RUNNING LIGHTS (DRL)**



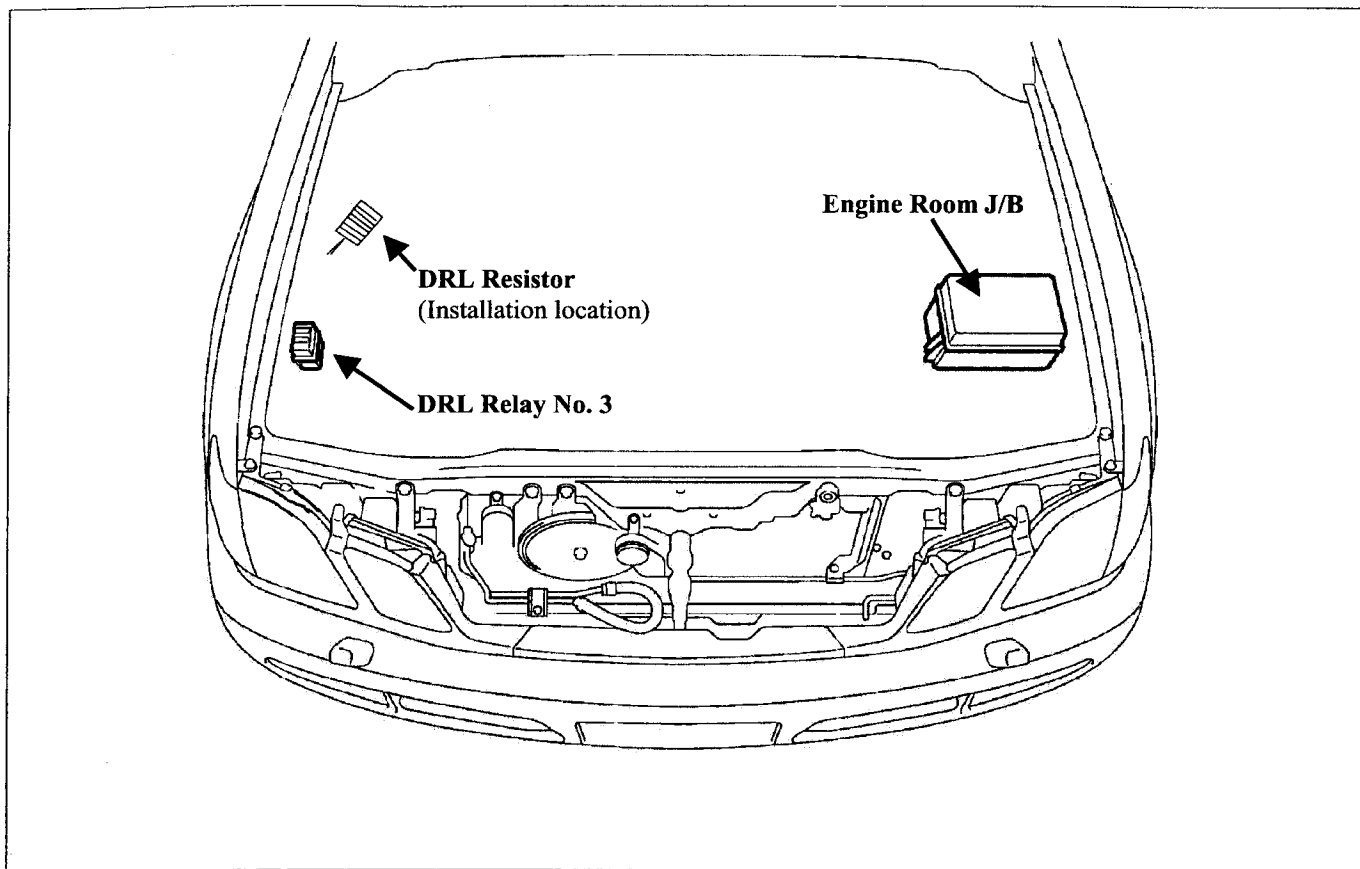
## I. OPERATION FLOW CHART



## II. AFFECTED VEHICLES

MODEL	YEAR	VIN Range	
		VDS	Range
LX 470	1998	HT00W	0001038 - 0024741
	1999	HT00W	0024149 - 0076278
	2000	HT00W	0075334 - 0127131
	2001	HT00W	3500000 - 3512305
	2002	HT00W	3512065 - 3523349
	2003	HT00W	3519394 - 3535572
	2004	HT00W	3535334 - 3548789
	2005	HT00W	3548477 - 3549236

### III. LOCATION OF COMPONENTS



### IV. PREPARATION

#### A. TOOLS

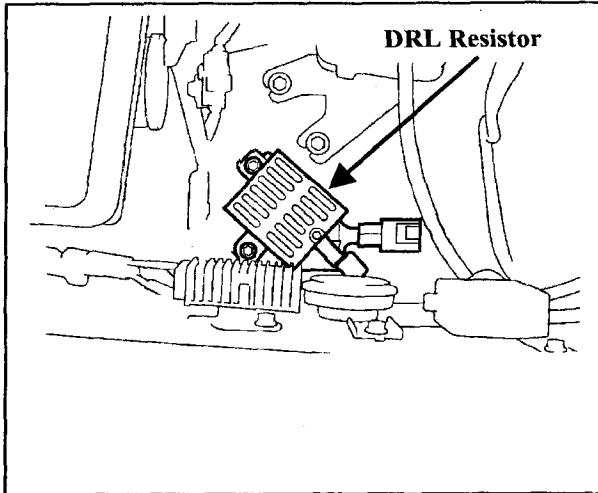
- Basic Hand Tools
- Double Locking Pick Tool (P/N 00002-27195)

#### B. PARTS

Part Number.	Part Description	Qty/Vehicle
04005-08160	DRL Kit	1

## V. WORK PROCEDURE

### A. INSPECTION PROCEDURE

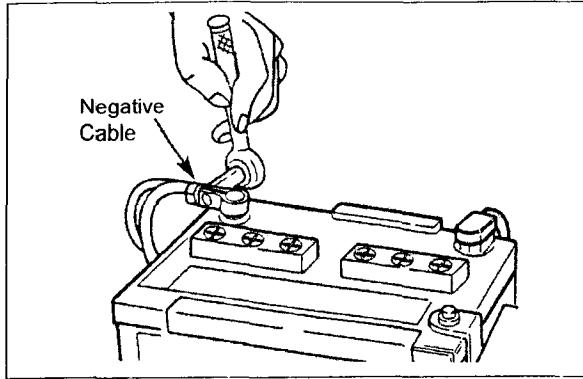


#### 1. INSPECT THE DRL RESISTOR

- (a) Inspect the vehicle to see if a DRL resistor is already installed. If already equipped, the resistor will be mounted on the right fender well between the air cleaner housing and the firewall.

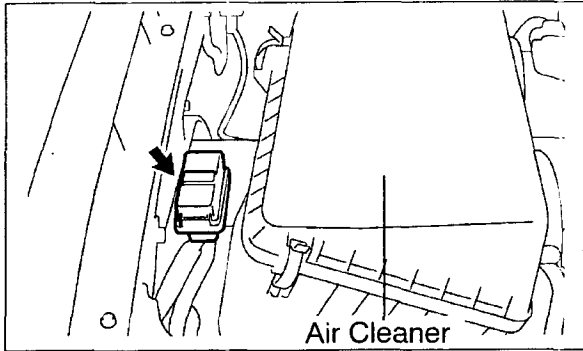
Inspection Results	Operation
Resistor is present	Proceed to Section VI.
Resistor is not present	Proceed to Section B

## B. RESISTOR INSTALLATION PROCEDURE (ALL VEHICLES)

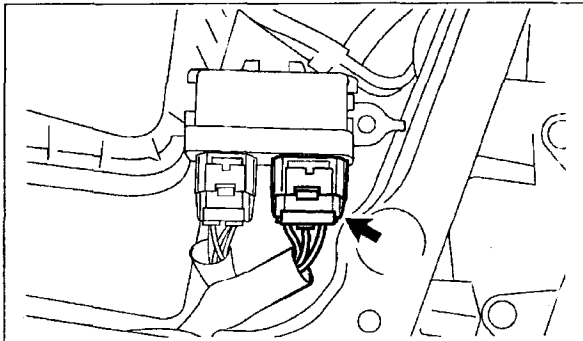


### 1. INSTALL DRL RESISTOR AND WIRE HARNESS

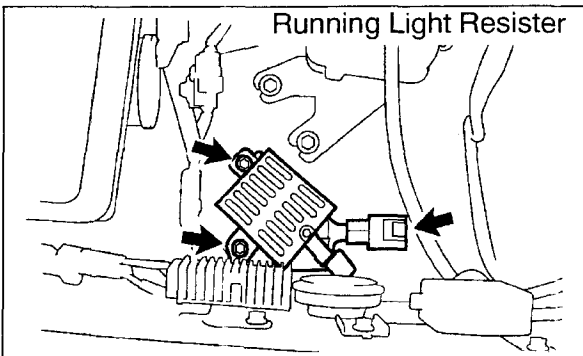
- (a) Record audio station presets.
- (b) Disconnect the negative battery negative terminal.



- (c) Remove the bolt and DRL relay No. 3.



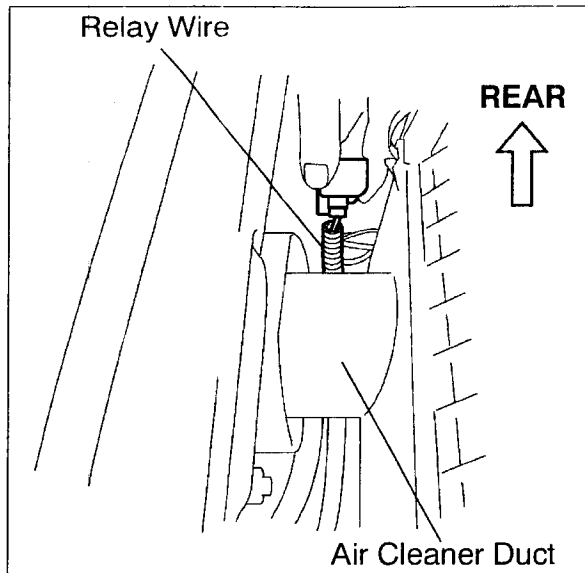
- (d) Disconnect the connector closest to the mounting bracket from DRL relay No. 3.



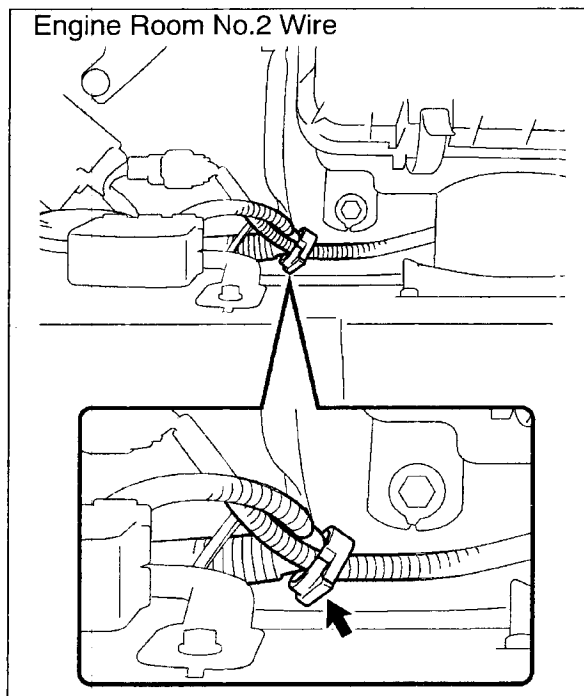
- (e) Install the DRL resistor with the two new bolts.

**Torque:**  
**5.0 N·m (51 kgf·cm, 3.7 ft·lbf)**

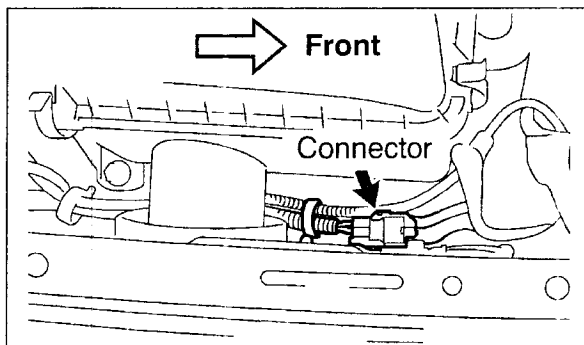
- (f) Connect the new wire harness connector to the running light resistor.



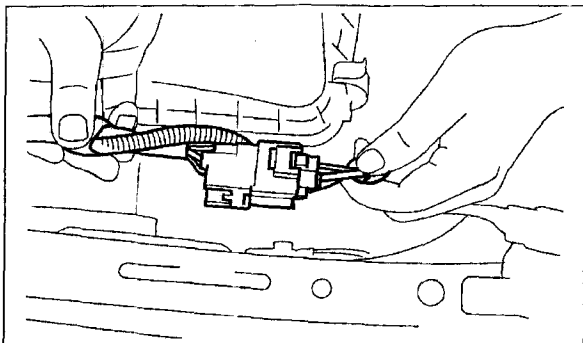
- (g) Route the new supplied relay wire (from the running light resistor) by passing it under the air cleaner duct towards the DRL relay No. 3.



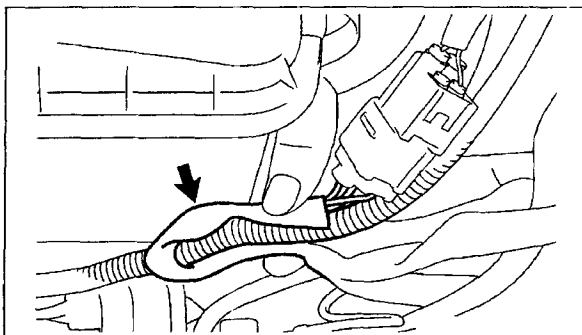
- (h) Clamp the relay wire and engine room No. 2 wire to the wire harness near the ground wire using one of the new wire clamps.



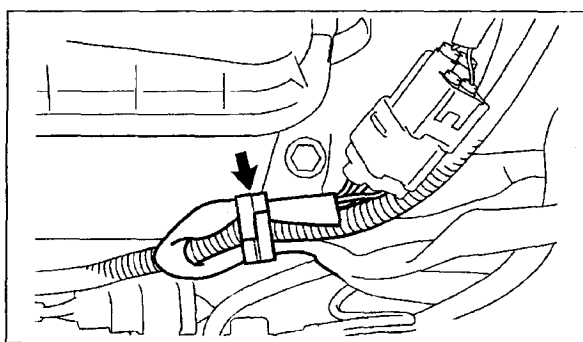
- (i) Clamp the relay wire and engine room No. 2 wire at the rear side of the connector as shown in the photo with one of the new wire clamps.



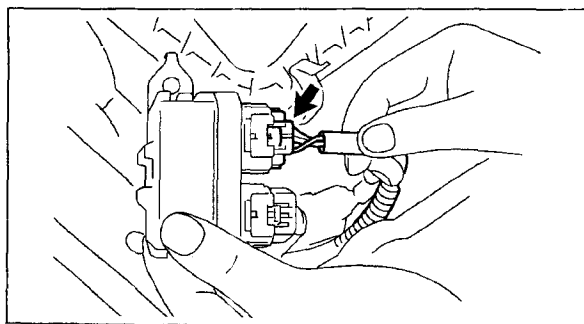
(j) Connect the disconnected connector from the DRL relay No. 3 to the new wire harness.



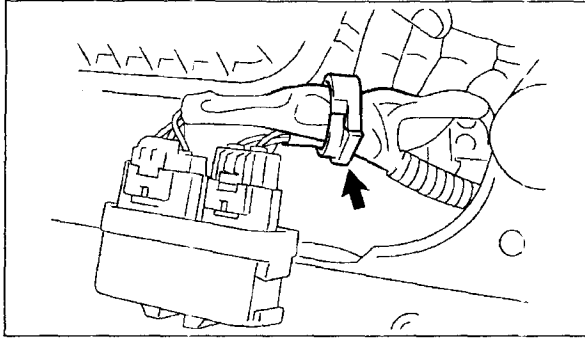
(k) Fold the connector as shown in the figure.



(l) Secure the wire harnesses together with one of the new wire clamps.



(m) Insert the relay wire connector into the DRL relay No. 3.



- (n) Clamp the wire at the position shown in the figure with one of the new wire clamps.

- (o) Reinstall the DRL relay No. 3 to the engine room side wall with the original bolt.

**For 1998-2002 MY vehicles, proceed to step 3 Function Check**

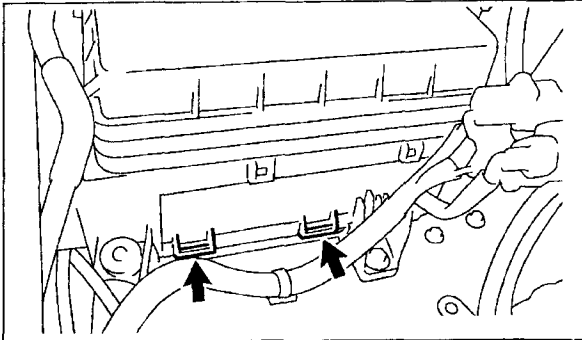
**For 2003-2005 MY vehicles proceed to section C JUNCTION BLOCK MODIFICATION**



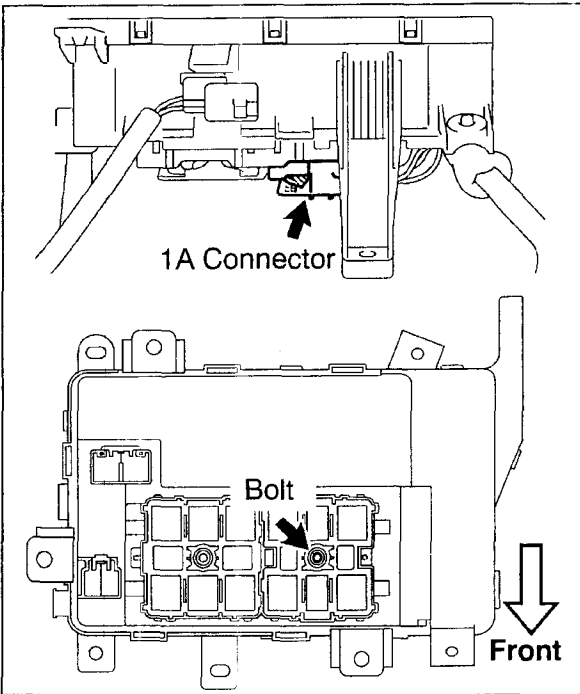
## C. JUNCTION BLOCK MODIFICATION (2003-2005 MY VEHICLES ONLY)

### 1. JUNCTION BLOCK MODIFICATIONS

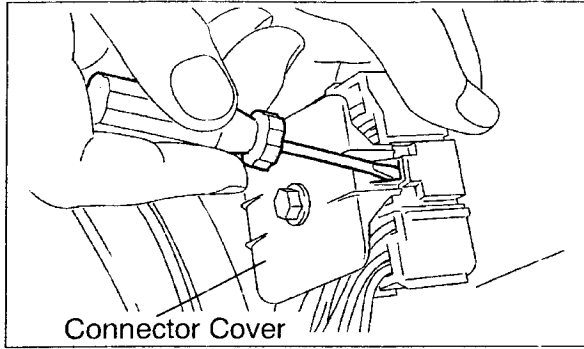
- (a) Disconnect the positive battery positive terminal.
- (b) Remove the battery.
- (c) Remove the four mounting bolts from the junction block.



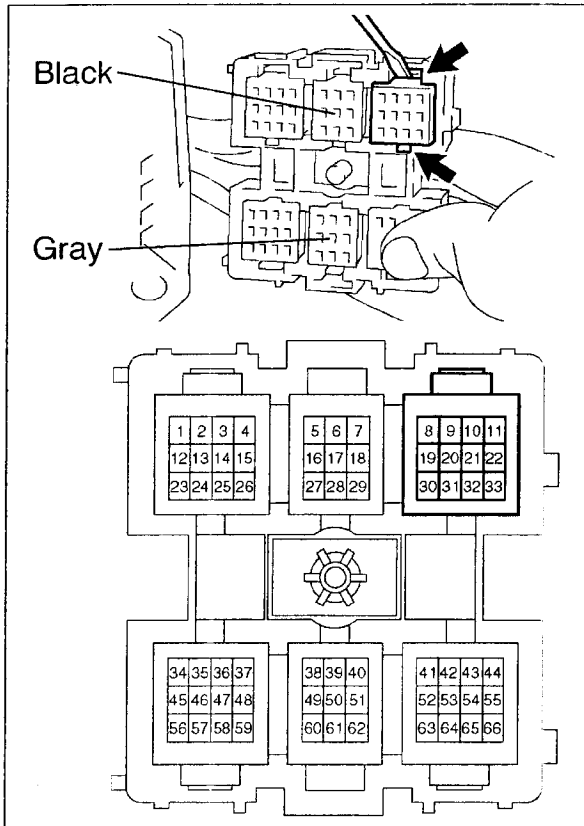
- (d) Disconnect 7 claws and remove the junction block under cover.



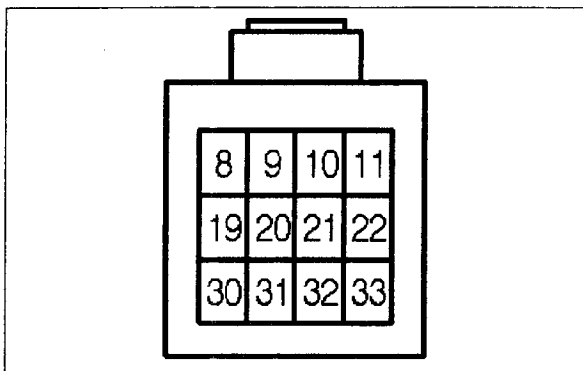
- (e) Loosen the bolt shown and remove the 1A connector.



(f) Remove the connector cover by releasing the two locks.



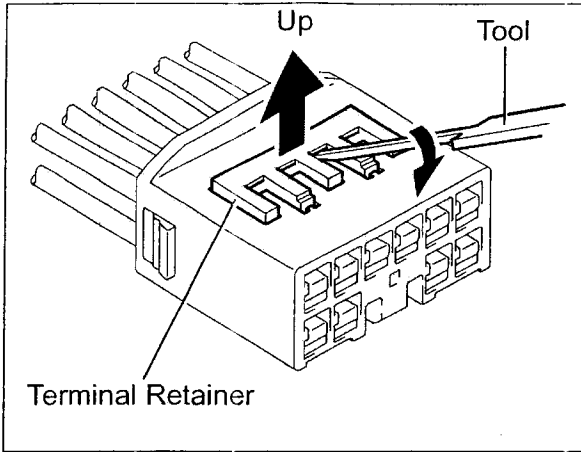
(g) Remove the connector by releasing the two locks.



(h) Remove No. 22 terminal (red and yellow wire) from the connector.

**NOTE:**

**Slightly raise the terminal locker on the connector side. (The locker does not disconnect from the connector.)**

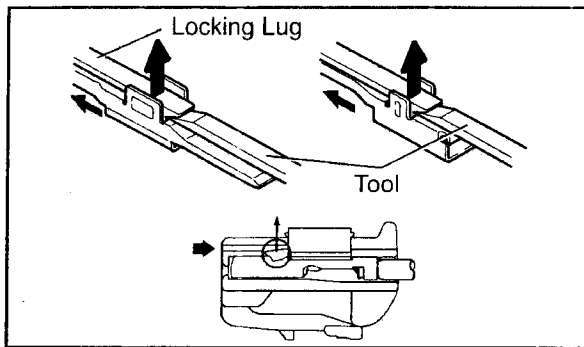


## 2. DISENGAGE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER

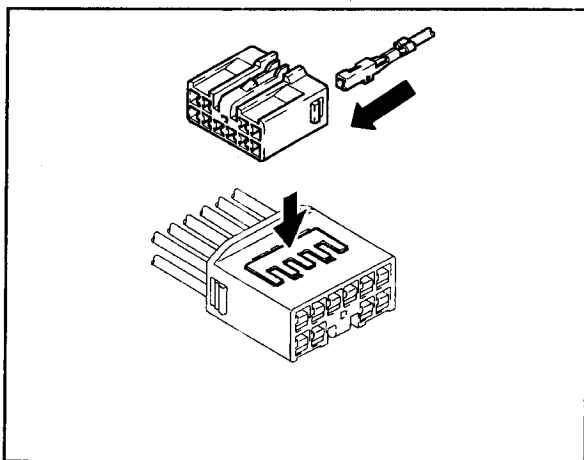
- (a) Using the double locking pick tool (P/N 00002-27195) or a terminal pick, unlock the terminal retainer.

### NOTE:

- The terminal retainer must be disengaged in order to remove the terminal from the connector.
- Do not remove the terminal retainer from the connector body.



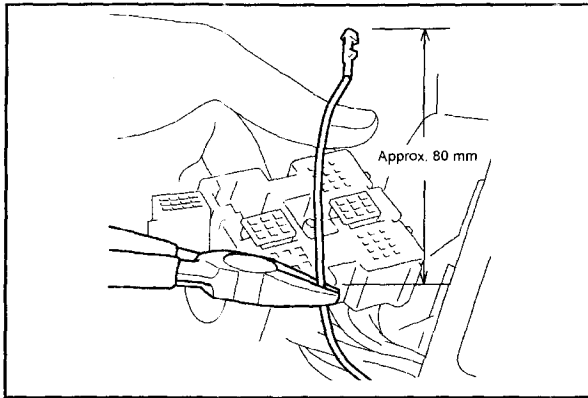
- (b) Release the locking lug from the terminal and pull the terminal out from the backside of the connector.



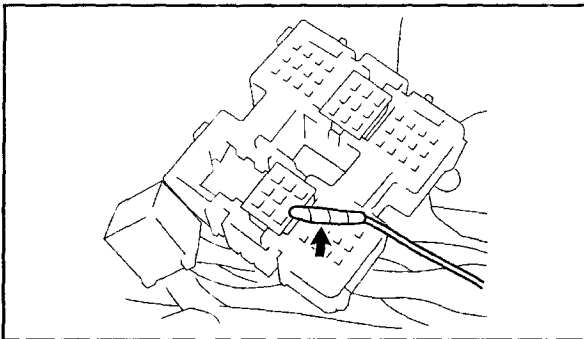
- (c) The locking device must be disengaged before the terminal locking clip is released and the terminal is removed from the connector.

### NOTE:

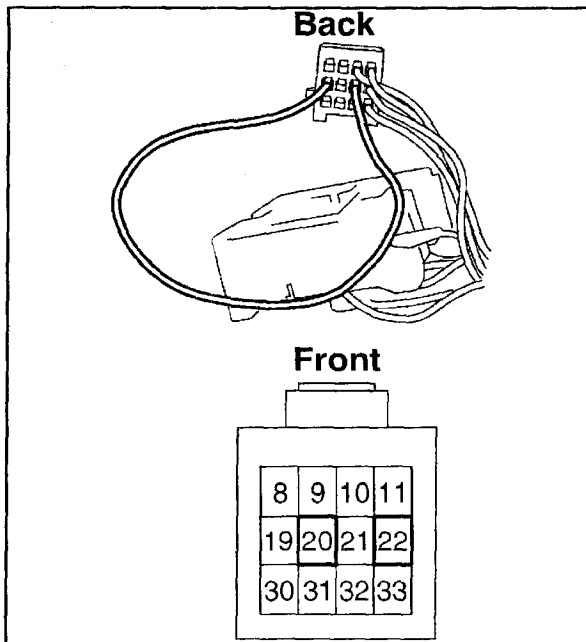
- Make sure that the terminal is in the correct position.
- Insert the terminal until the locking lug locks firmly.
- Insert the terminal with the terminal retainer disengaged.



(d) Cut off the terminal approximately 3.25 inches (80 mm) from the end.



(e) Cover the cut wire with the electrical tape.

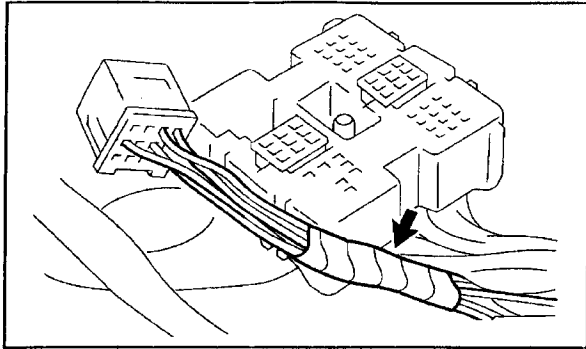


(f) Insert the new wire into the No. 22 terminal and the No. 20 terminal.

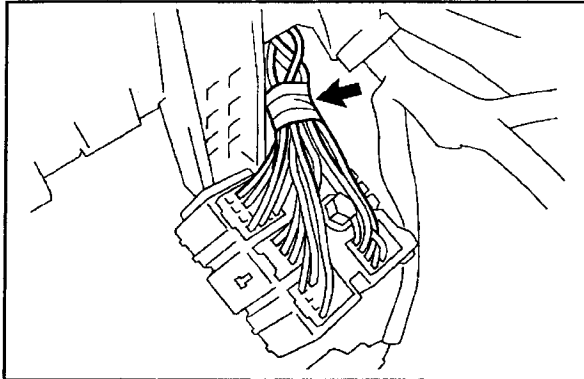
(g) Press the terminal retainer into the full lock position.

**NOTE:**

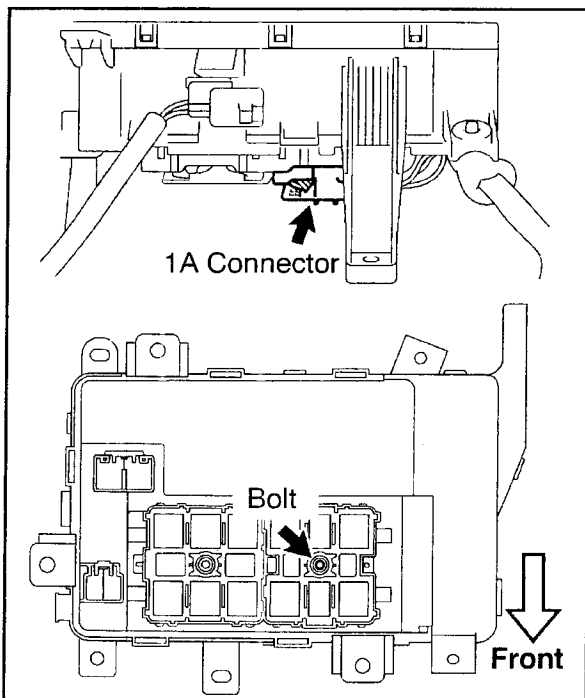
**Ensure that the terminal retainer is completely locked back in.**



(h) Bind all the wires with electrical tape.



- (i) Reinstall the connector.
- (j) Bind the wires with electrical tape as shown in the figure.



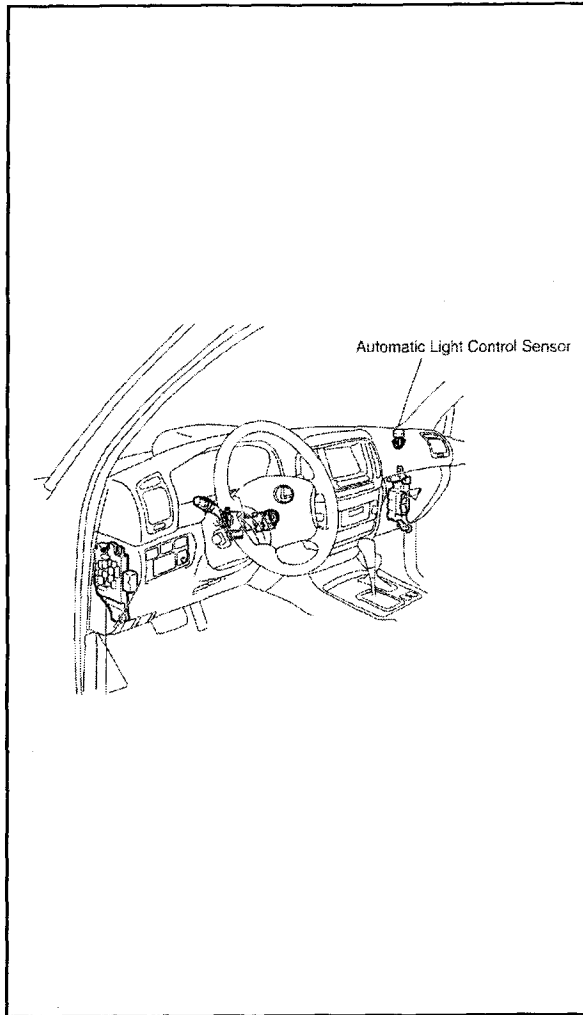
(k) Reinstall the connector cover.

- (l) Reinstall the 1A connector to the junction block.
- (m) Tighten the bolt.

**NOTE:**

The bolt turns freely after the connector is reconnected. A clicking sound can be heard.

- (n) Reinstall junction block undercover and be sure to securely lock the 7 claws.
- (o) Reinstall junction block with the 4 bolts.
- (p) Reinstall the battery.
- (q) Reconnect the positive battery terminal.
- (r) Reconnect the negative battery terminal.
- (s) Reprogram the audio station presets.
- (t) Set the clock to the current local time.

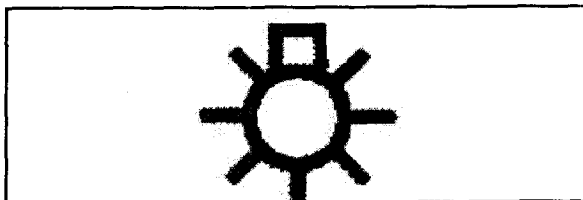


### 3. FUNCTION CHECK

- (a) Shine a shop light through the windshield and onto the Automatic Light Control Sensor located on the top of the passenger's side instrument panel.
- (b) Shift the vehicle into the PARK position.
- (c) Set the parking brake.
- (d) Turn the light control switch to the OFF position.
- (e) Start the engine.
- (f) Release the parking brake.
- (g) Check that the DRL lights turn ON.

#### NOTE:

- If the headlights come on instead of the DRL, check that you have adequate light shining on the Automatic Light Control Sensor.
- The headlights automatically turn to full intensity in low light conditions, even with the light switch in the "OFF" position.
- **DO NOT** place the shop light directly on the instrument panel or the Automatic Light Control Sensor, doing so may damage or cause these components to melt or catch on fire.



- (h) Confirm operation of the headlights.
- (i) Confirm that the headlight indicator light on the instrument panel illuminates properly.

## VI. COMPLETION LABEL INSTALLATION

After completing the pre-delivery activity, an SSC completion label, must be affixed to the left front door hinge post, near the check strap.

(a) The label is to be filled out as follows:

- Write in SSC 5LB.
- Write in date of repair.
- Write in your dealer code.

SSC	Date
DEALER CODE NO.	
00410-01917	

(b) Additional SSC completion labels, in sheets of 50 (P/N 00410-01917), may be ordered through the non-parts application on your DMS system.