

TOYOTA
TOYOTA MOTOR NORTH AMERICA, INC.

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March 17, 2005

DEFECTS INVESTIGATION
OFFICE OF INVESTIGATION
MAR 21 AM 11:50
RECEIVED
NHTSA-21

Mr. Ronald Medford
Senior Associate Administrator, Vehicle Safety – NVS-010
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

04V-434
(6 pages)

Re: Lexus LX470 Daytime Running Lamp (DRL)
Part 573, Noncompliance Information Report

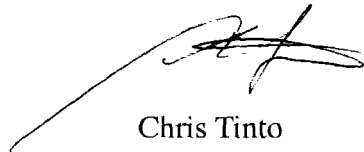
Dear Mr. Medford:

In accordance with the requirements of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573, on behalf of Toyota Motor Corporation ["TMC"], we hereby submit the attached Noncompliance Information Report concerning certain 1998 through 2005 model year Lexus LX470 vehicles that have a technical noncompliance issue with the daytime running lamps.

Should you have any questions about this report, please contact Mr. Sid Yokoi or Mr. Chris Santucci at (202) 775-1707.

Sincerely,

TOYOTA MOTOR NORTH AMERICA, INC.



Chris Tinto
Vice President

CT:cs
Attachment

NONCOMPLIANCE INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Corporation ["TMC"]
1, Toyota-cho, Toyota-city,
Aichi-ken, 471-8571 Japan

Affiliated U.S. Sales Company:

Toyota Motor Sales, USA, Inc. ["TMS"]
19001 South Western Avenue
Torrance, CA 90509

2. Identification of Affected Vehicles:

Based on production records, we have determined the affected vehicle population as set forth in the table below.

Make/ Car Line	Model Year	Manufac- turer	VIN		Production Period
			VDS	VIS	
Lexus LX470	1998 -2005	TMC	HT00W	W0001038 - 53549236	December 23, 1997 - August 4, 2004

Note: Although all of the involved vehicles are within the above VIN range, not all of the vehicles in this range were sold in the U.S.

3. Total Number of Vehicles Potentially Affected:

75,395

4. Percentage of Vehicles Estimated to Actually Experience Malfunction:

100 %

5. Description of Noncompliance:

The maximum luminous intensity of the Daytime Running Lamp ["DRL"] in the subject vehicles is 4,720 candela at the maximum point in the beam, and the center of the DRL is 895 mm above the road surface as measured at curb weight. This specification does not meet the requirement outlined in S5.5.11(a)(1) of FMVSS108.

6. Test results and other information

S5.5.11(a) requires that "...each such lamp: (1) Has a luminous intensity not less than 500 candela at test point H-V, nor more than 3,000 candela at any location in the beam, when tested in accordance with Section S11. of this standard, unless it is an upper beam headlamp intended to operate as a DRL, whose luminous intensity at test point H-V is not more than 7,000 candela, and which is mounted not higher than 864 mm above the road surface as measured from the center of the lamp with the vehicle at curb weight." The specification of the DRL for the subject vehicles does not meet the requirement as described in the table below.

	Requirement	Specification of DRL for the subject vehicles	Reference data
1	The luminous intensity of the DRL of subject vehicle	4,720 candela	Attachment 1
2	The height above the road surface as measured from the center of the lamp with the vehicle at curb weight	895 mm	Attachment 2

7. Description of Corrective Repair Action:

All known owners of the subject vehicles will be notified by first class mail to return their vehicles to a Lexus dealer to install a resistor, which will decrease the luminous intensity of the DRL.

Reimbursement Plan for pre-notification remedies

The owner letter will instruct vehicle owners that had the luminous intensity of the Daytime Running Lamps ("DRL") reduced to meet the requirements of FMVSS 108 prior to receiving the owner letter to seek reimbursement by mailing a copy of their repair order, proof-of-payment, and proof-of-ownership for reimbursement consideration. Please note that reimbursement does not cover deactivation or making the DRL system inoperative. It will take approximately 4 to 6 weeks to process the request. Other costs may also be reimbursed upon a case-by-case basis.

- (i) The beginning date of Toyota reimbursement plan will be:
The beginning date of the reimbursement will be no earlier than December 23, 1997, when the first subject vehicles were manufactured.
- (ii) The ending date of Toyota reimbursement plan will be:
The ending date shall be at least 10 calendar days after the date on which the last owner notification was mailed, however Toyota will further review requests for reimbursement from involved vehicle owners on a case-by-case basis.
- (iii) Toyota may exclude reimbursement, if:
 - The pre-notification repair was not of the same type (repair, replacement, or refund of purchase price) as the recall remedy.
 - Pre-notification repair was not reasonably necessary to correct the defect or noncompliance that led to the recall or a manifestation of the defect or noncompliance.
 - Pre-notification remedy was not reasonably necessary to correct the defect or noncompliance.
 - The repair was conducted as a result of vehicle accident or other reason not specifically related to the defect or noncompliance.
- (iv) Toyota will reimburse eligible customers for at least the following costs. Other costs may be reimbursed on a case-by-case basis:
 - The cost of a DRL resistor and an installation labor time of approximately 1 hour.
- (v) Owners requesting reimbursement must submit the appropriate documentation; repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration.

8. Recall Schedule:

Mailing of the owner notifications will commence in early June, 2005 and be completed by early July, 2005.

Copies of the owner notification and dealer instructions will be submitted as soon as they are available.

9. Distributor/Dealer Notification Schedule:

Notifications to distributors/dealers will be sent in late May, 2005.

029 S020

デイトムランニングライト
[Daytime Running Light]

1997/12/10 作成

承認	検討	作成
		望月伴

[Customer] 得意先名 : トヨタ [Toyota]

[Model] 型式:品名 : 646T-L プラハヘッドランプ

[Part#] 品番 : 11000-76680 11100-76680

[Distribution] 向先 : 北米 [North America]

[ID] 指示No : 20-231910

[Step] ステップ :

[Standard] 適用規格 : FMVSS CMVSS

[Measured Distance] 測定距離 : 60ft

[Measurement Unit] 単位 : cd

試験方法 [Test Procedure]

- [1] 機械軸0-0にセットした回転台上にランプを取り付けたテストスタンドをセットする。
[Set the test stand equipped with lamp on the turntable adjusted to 0-0 axis.]
- [2] A J スクリュにより正規エイミングする。
[Aim the lamp by using AJ screw.]
- [3] 指定の電圧にて点灯する。
[Turn on the upper beam lamp at designated voltage.]
- [4] 指定のポイントの光度値を測定する。
[Measure the luminous intensity at designated point.]

試験結果 [Test Result]

POINT	SPEC	R-1		L-1	
		FMVSS	CMVSS	FMVSS	CMVSS
H-V	500MIN	4580	————	4420	————
	2000~7000	————	4580	————	4420
MAXIMUM	7000 MAX	4720	————	4460	————
[Voltage] 電圧 (V)		6.18	6.18	6.18	6.18

※ 点灯機能 : 走行ビーム (タイプ I)

[Lighting function: upper beam lamp]

判定: 合格

[Conclusion: Pass]

Figure: Front view of the vehicle at curb weight

