OMB Control No.: 2127-0004

Part 573 Safety Recall Report

15V-689

Manufacturer Name : Toyota Motor Engineering & Manufacturing Submission Date : NOV 30,2015 NHTSA Recall No. : 15V-689 Manufacturer Recall No. : COM



Manufacturer Information :

Manufacturer Name : Toyota Motor Engineering & Manufact Address : 19001 South Western Avenue Torrance CA 90501 Company phone : 1-800-331-4331

Population :

Number of potentially involved : 1,814,284 Estimated percentage with defect : 0

Vehicle Information :

Vehicle: 2009-2011 Toyota Tundra Vehicle Type : **Body Style :** Power Train : NR Descriptive Information : Note: (1) Only the involved vehicles equipped with a Power Window Master Switch (PWMS) containing a sliding electrical contact module which was manufactured with a spray-type grease application at the above-mentioned supplier during the above production periods are included in this recall. (2) The same models, which have the same sliding electrical contact module with a different type of grease application and which were manufactured between the above-mentioned two periods are involved in recall 12V-491 for a similar condition. (3) Other Toyota and Lexus vehicles are equipped with PWMS's that either do not contain sliding electrical contact modules, contain sliding electrical contact modules that are of a different design or are manufactured at a different supplier. Production Dates : JAN 05, 2009 - AUG 31, 2010 VIN (Vehicle Identification Number) Range **Begin** : NR End: NR Not sequential VINs Vehicle: 2009-2011 Toyota Sequoia Vehicle Type : Body Style : Power Train : NR Descriptive Information : Note: (1) Only the involved vehicles equipped with a Power Window Master Switch (PWMS) containing a sliding electrical contact module which was manufactured with a spray-type grease application at the above-mentioned supplier during the above production periods are included in this recall. The information contained in this report was submitted pursuant to 49 CFR §573

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	 (2) The same models, which have a different type of grease application above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicle contain sliding electrical contact m modules that are of a different des 	n and which were manufactured b involved in recall 12V-491 for a si es are equipped with PWMS's that nodules, contain sliding electrical o	etween the milar either do not contact
Production Dates · L	AN 06, 2009 - AUG 31, 2010	-	
	fication Number) Range		
Begin : NR	End : NR	Not :	sequential VINs
	tion : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease application above production periods are inclu (2) The same models, which have the different type of grease application above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicle contain sliding electrical contact m modules that are of a different des UG 01, 2008 - AUG 31, 2010	cical contact module which was more on at the above-mentioned supplie uded in this recall. The same sliding electrical contact of and which were manufactured b involved in recall 12V-491 for a si es are equipped with PWMS's that nodules, contain sliding electrical of	anufactured er during the module with a etween the milar e either do not contact
	fication Number) Range		
Begin : NR	End : NR	□ Not	sequential VINs
Vehicle Type : Body Style : Power Train : NR	1 Toyota Highlander HV tion : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease applicatio above production periods are inch (2) The same models, which have t different type of grease application above-mentioned two periods are condition.	rical contact module which was mo on at the above-mentioned supplie uded in this recall. the same sliding electrical contact n and which were manufactured b	anufactured er during the module with a etween the

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	(3) Other Toyota and Lexus vehicl contain sliding electrical contact n modules that are of a different des	nodules, contain sliding electrical	contact
Production Dates : AU	G 01, 2008 - AUG 31, 2010		
VIN (Vehicle Identifie	cation Number) Range		
Begin : NR	End : NR	□ Not	sequential VINs
Vehicle : 2007-2007 T Vehicle Type : Body Style : Power Train : NR Descriptive Informatio	 Foyota Camry on : Note: (1) Only the involved vehicle (PWMS) containing a sliding elect with a spray-type grease applicati above production periods are incl (2) The same models, which have different type of grease applicatio above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicl contain sliding electrical contact m modules that are of a different desired 	rical contact module which was m on at the above-mentioned suppli- uded in this recall. the same sliding electrical contac n and which were manufactured I involved in recall 12V-491 for a s es are equipped with PWMS's tha nodules, contain sliding electrical	hanufactured ier during the t module with a between the similar it either do not contact
Production Dates : OC	Г 01, 2005 - AUG 31, 2006		
VIN (Vehicle Identifie	cation Number) Range		
Begin : NR	End : NR	□ Not	sequential VINs
Vehicle : 2009-2009 T Vehicle Type : Body Style : Power Train : NR			
Descriptive Informatio	 on : Note: (1) Only the involved vehicle (PWMS) containing a sliding elect with a spray-type grease applicati above production periods are incl (2) The same models, which have different type of grease applicatio above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicl contain sliding electrical contact n modules that are of a different desired 	rical contact module which was m on at the above-mentioned suppli- uded in this recall. the same sliding electrical contac n and which were manufactured I involved in recall 12V-491 for a s es are equipped with PWMS's tha nodules, contain sliding electrical	hanufactured ier during the t module with a between the similar it either do not contact

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Production Dates · All	G 01, 2008 - MAR 18, 2009		
	cation Number) Range		
	C		
Begin : NR	End : NR	∐ Not seq	uential VINs
Vehicle : 2006-2011 '	Toyota RAV4		
Vehicle Type :	3		
Body Style :			
Power Train : NR			
	 with a spray-type grease application a above production periods are include (2) The same models, which have the different type of grease application ar above-mentioned two periods are inv condition. (3) Other Toyota and Lexus vehicles a contain sliding electrical contact mod modules that are of a different design 	d in this recall. same sliding electrical contact mo ad which were manufactured betw rolved in recall 12V-491 for a simi are equipped with PWMS's that eit ules, contain sliding electrical con	odule with a veen the lar ther do not stact
	L 28, 2005 - AUG 31, 2010 cation Number) Range		
Begin : NR	End : NR	☐ Not seq	uential VINs
Vehicle: 2009-2011 ' Vehicle Type: Body Style: Power Train:NR	Toyota Corolla		
Descriptive Informati	 on : Note: (1) Only the involved vehicles e (PWMS) containing a sliding electrica with a spray-type grease application a above production periods are include (2) The same models, which have the different type of grease application ar above-mentioned two periods are inv condition. (3) Other Toyota and Lexus vehicles a contain sliding electrical contact mod modules that are of a different design 	l contact module which was manu at the above-mentioned supplier of d in this recall. same sliding electrical contact mo ad which were manufactured betw olved in recall 12V-491 for a simi are equipped with PWMS's that eit ules, contain sliding electrical con	ufactured during the odule with a veen the lar ther do not ttact
Production Dates : AU	G 01, 2007 - AUG 31, 2010		
VIN (Vehicle Identifi	cation Number) Kange		

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	l Toyota Corolla Matrix			
Vehicle Type :				
Body Style :				
Power Train : NR	tion (1) Only the	· ·····		Maatan Carita
Descriptive morma	 (PWMS) containing with a spray-type above production (2) The same moor different type of g above-mentioned condition. (3) Other Toyota contain sliding elements 	ng a sliding electrical grease application at periods are included dels, which have the s grease application and two periods are invo and Lexus vehicles ar ectrical contact modu	uipped with a Power Window contact module which was ma the above-mentioned supplie in this recall. ame sliding electrical contact which were manufactured be lved in recall 12V-491 for a sin- re equipped with PWMS's that les, contain sliding electrical cor or are manufactured at a differ	nufactured r during the module with a etween the milar either do not ontact
Production Dates : JA	AN 12, 2009 - AUG 31, 2	2010		
VIN (Vehicle Identi	fication Number) Rar	ige		
Begin : NR		End : NR	□ Not s	equential VIN
Vehicle : 2006-2010 Vehicle Type : Body Style : Power Train : NR Descriptive Informa	tion : Note: (1) Only the (PWMS) containing with a spray-type above production (2) The same moor different type of g above-mentioned condition. (3) Other Toyota contain sliding ele	ng a sliding electrical grease application at periods are included dels, which have the s grease application and two periods are invo and Lexus vehicles ar ectrical contact modu	uipped with a Power Window contact module which was ma the above-mentioned supplie in this recall. ame sliding electrical contact which were manufactured be lved in recall 12V-491 for a sin e equipped with PWMS's that les, contain sliding electrical c or are manufactured at a differ	nufactured r during the module with a etween the milar either do not ontact
Production Dates : J	UL 12, 2005 - JUN 30, 20	010		
VIN (Vehicle Identi	fication Number) Rar	ıge		
Begin : NR		End : NR	□ Not s	equential VIN
Vehicle : 2009-2011 Vehicle Type : Body Style : Power Train : NR	1 Toyota Scion xB			

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Descriptive Information	 (PWMS) containing a sliding electric with a spray-type grease application above production periods are inclusive. (2) The same models, which have the different type of grease application above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicle contain sliding electrical contact means the second structure. 	s equipped with a Power Window Mast ical contact module which was manufact on at the above-mentioned supplier dur ided in this recall. The same sliding electrical contact module and which were manufactured betweet involved in recall 12V-491 for a similar es are equipped with PWMS's that eithe odules, contain sliding electrical contact ign or are manufactured at a different s	ctured ring the ule with a en the er do not ct
Production Dates : AU	G 01, 2008 - JUN 30, 2010		
VIN (Vehicle Identifi	cation Number) Range		
Begin : NR	End : NR	Not seque	ntial VINs
Production Dates : AU	on : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease application above production periods are inclu (2) The same models, which have the different type of grease application above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicle contain sliding electrical contact me	s equipped with a Power Window Mast ical contact module which was manufac on at the above-mentioned supplier dur ided in this recall. he same sliding electrical contact modu and which were manufactured betwee involved in recall 12V-491 for a similar es are equipped with PWMS's that eithe odules, contain sliding electrical contac ign or are manufactured at a different s	ctured ring the ule with a en the er do not ct
Begin : NR	End : NR	Not seque	ential VINs
Vehicle : 2009-2010 Vehicle Type : Body Style : Power Train : NR Descriptive Informatio	on : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease applicatio	s equipped with a Power Window Mast ical contact module which was manufa on at the above-mentioned supplier dur ided in this recall.	ctured

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	different type of grease application above-mentioned two periods are		
	condition. (3) Other Toyota and Lexus vehicl contain sliding electrical contact n modules that are of a different des	nodules, contain sliding electrical	contact
Production Dates : JA	.N 12, 2009 - JAN 05, 2010		
VIN (Vehicle Identi	fication Number) Range		
Begin : NR	End : NR	□ Not	sequential VINs
Production Dates : A	ion : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease applicati- above production periods are incle (2) The same models, which have different type of grease application above-mentioned two periods are condition. (3) Other Toyota and Lexus vehicl contain sliding electrical contact n modules that are of a different des UG 01, 2008 - MAR 18, 2009	rical contact module which was m on at the above-mentioned suppli uded in this recall. the same sliding electrical contact n and which were manufactured b involved in recall 12V-491 for a s es are equipped with PWMS's tha nodules, contain sliding electrical	anufactured fer during the t module with a between the similar t either do not contact
VIN (Vehicle Identi Begin : NR	fication Number) Range End : NR	□ Not	sequential VINs
Vehicle : 2007-2007 Vehicle Type : Body Style : Power Train : NR Descriptive Informat	ion : Note: (1) Only the involved vehicle (PWMS) containing a sliding electr with a spray-type grease application above production periods are inclu- (2) The same models, which have different type of grease application	rical contact module which was m on at the above-mentioned suppli uded in this recall. the same sliding electrical contact	anufactured fer during the t module with a petween the

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	ing electrical contact modules, contai at are of a different design or are man	
Production Dates : OCT 01, 2005 - AU	C 31 2006	
VIN (Vehicle Identification Number		
	C	
Begin : NR	End : NR	Not sequential VINs
Description of Defect :		
lubricated w during the n normal oper accumulate a short circu moisture tha	MS) containing sliding electrical conta vith a sprayed-on grease that may hav nanufacturing process, not providing vation, debris caused by wear from the between the terminals where the grea it could form between the contact po at may enter the module. If a short cin at and melt. A melting switch may pro-	act modules. These modules are ve been applied inconsistently sufficient coverage. During e electrical contact points can ase was insufficiently applied, and bints by the debris and conductive rcuit occurs, the switch assembly
FMVSS 1 :NR		
FMVSS 2 : NR		
Description of the Safety Risk : If a shore switch r	t circuit occurs, the switch assembly nay produce smoking and, potentially	
Description of the Cause : NR	······	,,
Identification of Any Warning that can	Occur : NR	
Supplier Identification :		
Component Manufacturer		
Name : TRAM, Inc.		
Address : 47200 Port Street		
Plymouth MICHIGAN 28170		
Country : United States		
Chronology : Please see the attached Part 573 Defec	t Information Report for the full chro	nology.
Description of Remedy :		

Description of Remedy Program : 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 Toyota or a GM dealer to inspect the PWMS and, if abnormality is found, the PWMS circuit board will be replaced with an

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		abnormality is found, the dealer will apply spe	ecialized
	grease that inhibits h	ieat build-up.	
		for pre-notification remedies for Toyota vehi	
		l instruct vehicle owners who have paid to hav	
	to Toyota's General F	prior to this campaign to seek reimbursement Reimbursement Plan.	pursuant
	Reimbursement Plan	for pre-notification remedies for General Mot	tors
	vehicles (Pontiac Vib		
		e), General Motors will provide reimbursemen	
	-	ompleted on or before ten days after GM mails	sowner
	letters, pursuant to th	he plan submitted on May 20, 2015.	
How Remedy Component Diff	ers from Recalled Compo	onent : NR	
Identify How/When Recall Co	ndition was Corrected in	Production : NR	
	remedy owner letter in Remedy notifications t xD, Scion xB, Highlando occur by December 20,	r 20, 2015. These owners will receive a subset a the first quarter of 2016. o owners of Toyota Yaris, Camry, Camry Hybr er, Highlander Hybrid, Corolla, and Matrix mo , 2015. A copy of the draft owner notification I oon as available. General Motors will provide i	id, Scion dels will letter(s)
	Distributor/Dealer Not	tification Schedule:	
		utors/dealers was sent on October 20, 2015. s will be submitted as they are issued.	Copies of
Planned Dealer Notification D	ate : OCT 21, 2015 - OCT	21, 2015	
Planned Owner Notification D	ate : DEC 20, 2015 - DEC	20, 2015	
* NR - Not Reported			

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