#### OMB Control No.: 2127-0004

### Part 573 Safety Recall Report

Manufacturer Name : BMW of North America, LLC Submission Date : APR 23, 2018 NHTSA Recall No.: 18V-248 Manufacturer Recall No.: NR

### **Manufacturer Information :**

Manufacturer Name: BMW of North America, LLC Address: P.O. Box 1227 Westwood NJ 07675-1227 Company phone : 18005257417

### **Vehicle Information :**

Vehicle 1:	2011-2012 BMW 5	550i, 550i xE	rive		
Vehicle Type :	LIGHT VEHICLES				
Body Style :	4-DOOR				
Power Train :	GAS				
Descriptive Information :			vere equipped with an may become defective	e electrical auxiliary water pump e over time.	
	records were revie pump (of a specific auxiliary water pu	ewed to dete c design leve mp not being	rmine the end-date of I) being recalled and th	sembly and supplier production the electric auxiliary water ne start-date of the electric nt specific design level). Electric pecific VIN.	
	auxiliary water pu	mps of a spe		t: Recall vehicles contain electric e non-recalled vehicles contain 1 level.	
Production Dates :	APR 23 2010 - SFP	0 1 4 9011			
i i ouuciion Dales.		14,2011			
VIN Range 1:		NR	End: NR	Not sequential	
VIN Range 1:	Begin : N	JR	End : NR rismo, 550i Gran Turis		
VIN Range 1 : Vehicle 2 :	Begin : N	JR	_		
VIN Range 1 : Vehicle 2 :	Begin : N 2010-2012 BMW 5 LIGHT VEHICLES	JR	_		
VIN Range 1 : Vehicle 2 : Vehicle Type :	Begin : N 2010-2012 BMW 5 LIGHT VEHICLES 4-DOOR	JR	_		
VIN Range 1 : Vehicle 2 : Vehicle Type : Body Style : Power Train :	Begin : N 2010-2012 BMW 5 LIGHT VEHICLES 4-DOOR GAS Approximately 687	JR 550i Gran Tu 7 vehicles we	rismo, 550i Gran Turis	smo xDrive electrical auxiliary water pump of	

### 云 🔨 🕰 NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

#### **Population :**

Number of potentially involved : 47,806 Estimated percentage with defect : 1%



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	auxiliary w	vater pump des	ign level can be traced	l to specific VIN.	
	auxiliary w	ater pumps of		oonent: Recall vehicles cor , while non-recalled vehicle lesign level.	
Production Dates :	JUL 30, 200	)9 - SEP 08, 20 <sup>°</sup>	11		
VIN Range 1:		NR	End: NR	□ Not	sequential
Vehicle Type : Body Style : Power Train :	LIGHT VEH 4-DOOR GAS Approxima	IICLES ntely 8,417 veh		i xDrive, 760Li (including	•
	records we pump (of a auxiliary w auxiliary w	ere reviewed to specific design vater pump not vater pump des	determine the end-da level) being recalled being recalled (of a di ign level can be traced	-	water lectric el). Electric
	auxiliary w	ater pumps of		oonent: Recall vehicles cor , while non-recalled vehicl lesign level.	
Production Dates : VIN Range 1 :		08 - SEP 13, 20 NR	11 End: NR	🗌 Not	sequential
Vehicle 4 : Vehicle Type : Body Style : Power Train :	LIGHT VEH SUV	2 BMW X5 xDri <sup>.</sup> HCLES	ve50i, X5 M		
Descriptive Information :		v	icles were equipped w vhich may become def	rith an electrical auxiliary v fective over time.	water pump
	records we pump (of a auxiliary w	ere reviewed to specific design vater pump not	determine the end-da level) being recalled	cle assembly and supplier ate of the electric auxiliary and the start-date of the el fferent specific design leve l to specific VIN.	water lectric
	auxiliary w	ater pumps of	a specific design level	oonent: Recall vehicles cor , while non-recalled vehicle	
	electric aux	xillary water pi	imps of an improved o	lesign level.	

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VIN Range 1:	Begin :	NR	End: NR	Not sequential
Vehicle 5 : Vehicle Type : Body Style : Power Train :	LIGHT VEH SUV	BMW X6 xDrive ICLES	e50i, X6M	
	Approxima		les were equipped with an nich may become defective	electrical auxiliary water pump over time.
	records we pump (of a auxiliary wa	re reviewed to o specific design ater pump not b	letermine the end-date of t level) being recalled and the	e start-date of the electric t specific design level). Electric
	auxiliary w	ater pumps of a		: Recall vehicles contain electri non-recalled vehicles contain level.
Production Dates : VIN Range 1 :		07 - NOV 18, 20 NR	11 End: NR	Not sequential
Vehicle 6 : Vehicle Type : Body Style : Power Train :	LIGHT VEH SUV		d	
	Approxima	tely 23 vehicles	were equipped with an elec h may become defective ov	ctrical auxiliary water pump of er time.
	records we pump (of a auxiliary wa	re reviewed to o specific design l ater pump not b	letermine the end-date of the level) being recalled and the	e start-date of the electric t specific design level). Electric
	auxiliary w	ater pumps of a		: Recall vehicles contain electri non-recalled vehicles contain level.
Production Dates :	SEP 14, 200	)9 - SEP 12, 201	1	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle 7 : Vehicle Type : Body Style : Power Train :	LIGHT VEH 2-DOOR		pe, 650i xDrive Coupe	

Descriptive Information :			s were equipped wi 1 may become defe		xiliary water pump o
	records were pump (of a sp auxiliary wate	reviewed to d ecific design le er pump not be	etermine the end-d evel) being recalled	ate of the electric and the start-dat ifferent specific d	
	auxiliary wate	er pumps of a s		l, while non-recall	hicles contain electr ed vehicles contain
Production Dates :	DEC 10. 2010	- SEP 15. 2011	l		
VIN Range 1:		NR	End: NR		Not sequential
0					
	2011-2012 B	· ·	orid7		
Vehicle Type :		LES			
Body Style :					
Power Train :					_
Descriptive Information :	Approximately 322 vehicles were equipped with an electrical auxiliary water pump a specific design level which may become defective over time.				
	records were pump (of a sp auxiliary wate	reviewed to d ecific design le er pump not be	etermine the end-d evel) being recalled	ate of the electric and the start-dat ifferent specific d	
	auxiliary wate	er pumps of a s		l, while non-recall	hicles contain electr led vehicles contain
Production Dates :	SEP 24, 2010	- SEP 06, 2011			
VIN Range 1:		NR	End: NR		Not sequential
Vehicle 9 : Vehicle Type : Body Style : Power Train :	LIGHT VEHIC 2-DOOR	-	oer S, MINI JCW		
Descriptive Information :			es were equipped v ich may become de		auxiliary water pumj
	records were pump (of a sp	reviewed to d ecific design le	etermine the end-d evel) being recalled	ate of the electric and the start-dat	0

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	auxiliary	water pump des	ign level can be trace	d to specific VIN.	
	auxiliary	water pumps of		ponent: Recall vehicles I, while non-recalled veł design level.	
Production Dates :	IIIN 28-20	007 - SFP 23-20	11		
VIN Range 1:		NR	End: NR	1	Not sequential
	0				1
Vehicle 10:	2008-201	2 MINI MINI Co	oper S Clubman, MIN	I JCW Clubman	
Vehicle Type :		HICLES			
Body Style :					
Power Train :					
Descriptive Information :			icles were equipped v vhich may become de		ry water pumj
	records w pump (of auxiliary y	vere reviewed to a specific design water pump not	determine the end-d n level) being recalled	icle assembly and suppl ate of the electric auxilia and the start-date of th lifferent specific design l d to specific VIN.	ary water e electric
	auxiliary	water pumps of		ponent: Recall vehicles l, while non-recalled veł design level.	
Production Dates :	JAN 28, 20	008 - SEP 23, 20	11		
VIN Range 1:		NR	End: NR		Not sequential
Vehicle 11 : Vehicle Type : Body Style : Power Train :	LIGHT VE 2-DOOR		oper S Convertible, M	INI JCW Convertible	
			., . ,		
Descriptive Information :		0	icles were equipped v which may become de		ry water pumj
	records w pump (of auxiliary y	vere reviewed to a specific design water pump not	determine the end-d n level) being recalled	icle assembly and suppl ate of the electric auxilia and the start-date of th lifferent specific design l d to specific VIN.	ary water e electric
	auxiliary	water pumps of		ponent: Recall vehicles l, while non-recalled veł design level.	
Production Dates :	OCT 28, 2	010 - SEP 23, 20	011		
				uant to 49 CFR §573	

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VIN Range 1:	Begin :	NR	End: NR	□ Not sequential
Vehicle 12 : Vehicle Type : Body Style : Power Train :	LIGHT VEHIC 4-DOOR		oper S Countryman, MINI Co	ooper S Countryman ALL4
Descriptive Information :		0	cles were equipped with an hich may become defective	electrical auxiliary water pump over time.
	records were pump (of a sp auxiliary wat	e reviewed to pecific design er pump not	determine the end-date of t level) being recalled and th	e start-date of the electric t specific design level). Electric
	auxiliary wat	er pumps of a		: Recall vehicles contain electri non-recalled vehicles contain level.
Production Dates :	JAN 19, 2011	- SEP 30, 201	1	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle Type : Body Style : Power Train :	LIGHT VEHIO 2-DOOR GAS Approximate a specific des Basis for reca records were pump (of a sp auxiliary wat auxiliary wat	LES ly 420 vehicl ign level whi ell population reviewed to pecific design er pump not er pump desi	ch may become defective ov determination: Vehicle ass determine the end-date of t level) being recalled and th being recalled (of a differen ign level can be traced to spe	lectrical auxiliary water pump over time. Sembly and supplier production the electric auxiliary water we start-date of the electric t specific design level). Electric
	auxiliary wat	er pumps of a		non-recalled vehicles contain
Production Dates : VIN Range 1 :		- SEP 23, 201 NR	End: NR	☐ Not sequential
Vehicle 14 : Vehicle Type : Body Style : Power Train :	LIGHT VEHIC 2-DOOR		oper S Roadster, MINI JCW F	Roadster (2 Seater)

Descriptive Information :			s were equipped with an el ch may become defective o	lectrical auxiliary water pump of over time.
	records wer pump (of a s auxiliary wa	re reviewed to specific design ater pump not	determine the end-date of level) being recalled and t	ssembly and supplier production the electric auxiliary water he start-date of the electric nt specific design level). Electric pecific VIN.
	auxiliary wa	ater pumps of a		nt: Recall vehicles contain electr le non-recalled vehicles contain n level.
Production Dates :	AUG 11, 201	10 - SEP 21, 20	11	
VIN Range 1:	Begin :	NR	End: NR	□ Not sequential
** ** * **	0010 0010			
		Rolls-Royce Gl	nost	
Vehicle Type :		ICLES		
Body Style :				
Power Train :				
Descriptive Information :		•	es were equipped with an ch may become defective c	electrical auxiliary water pump over time.
	records wer pump (of a s auxiliary wa	re reviewed to specific design ater pump not	determine the end-date of level) being recalled and t	ssembly and supplier production the electric auxiliary water he start-date of the electric nt specific design level). Electric pecific VIN.
	auxiliary wa	ater pumps of a		nt: Recall vehicles contain electr le non-recalled vehicles contain n level.
Production Dates :	JAN 24, 201	0 - SEP 25, 201	1	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle Type : Body Style : Power Train :	LIGHT VEHI 2-DOOR GAS	ICLES	nvertible, 650i xDrive Conv	
bescriptive information :			hich may become defectiv	n electrical auxiliary water pum e over time.
	records wer pump (of a s	re reviewed to specific design	determine the end-date of level) being recalled and t	ssembly and supplier production the electric auxiliary water he start-date of the electric nt specific design level). Electric

auxiliary water pump design level can be Recall component difference to non-reca	e traced to specific VIN.	
Recall component difference to non-reca		
auxiliary water pumps of a specific desig electric auxiliary water pumps of an imp	n level, while non-recalled vehicles	
	NR 🗌 Not se	equential
with 4-cylinder turbocharged engines turbocharged engines (BMW). The el electronically by an engine control un electric auxiliary water pump conduc Under certain conditions, the electric board can malfunction. The malfuncti features in combination with high ope conditions, this can lead to a failure of	s (MINI) and 8- and 12-cylinder lectric auxiliary water pump is cont hit. After switching off the engine, th ts heat away from the turbocharge auxiliary water pump's electronic ion can occur as a result of certain of erating temperatures. Under these f the electric auxiliary water pump	trolled he er. circuit design
k : In an extreme case, overheating of the the electric auxiliary water pump. If s	smoldering occurs, it cannot be exc	0
	-	
0		
Technology GmbH Str. 1		
	<ul> <li>t: The issue involves the electric auxilia with 4-cylinder turbocharged engines turbocharged engines (BMW). The electronically by an engine control ur electric auxiliary water pump conduct Under certain conditions, the electric board can malfunction. The malfunction features in combination with high ope conditions, this can lead to a failure o some cases, the circuit board can over 1: NR</li> <li>2: NR</li> <li>k: In an extreme case, overheating of the the electric auxiliary water pump. If some cases and constructions are cases.</li> </ul>	Begin :       NR       End :       NR       Intervention of the second seco

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January 10, 2012, Part 573 report assigned NHTSA Recall ID 12V-008.

In October 2017, BMW inspected a Model Year 2011 MINI Cooper S regarding a field incident in which the vehicle exhibited similar conditions to vehicles subject to 12V-008. The subject vehicle was not included in 12V-008. BMW initiated an engineering analysis and a review of its field data.

In December 2017, BMW inspected a Model Year 2011 550i xDrive regarding a field incident in which the vehicle exhibited similar conditions to vehicles subject to11V-521. The subject vehicle was not included in 11V-521. BMW continued its engineering analysis and review of field data. In January 2018, BMW inspected a Model Year 2012 BMW 750i regarding a similar field incident.

After a review of field data and engineering analyses, the results showed that while several design changes were made to the electric auxiliary water pump, including an enlarged circuit path space, a gap enlargement between the hall sensor holder and printed circuit board, and measures at tin plating and soldering process, the electric auxiliary water pumps still experienced some electro-migration. BMW concluded that the electric auxiliary water pumps provided by Pierburg with the improved design were exhibiting similar failures to the electric auxiliary water pumps that were previously recalled.

Production records were reviewed to determine the number and production range of potentially affected vehicles.

On April 11, 2018, BMW decided to conduct a voluntary recall.

BMW has not received any reports, nor is BMW otherwise aware, of any injuries or fatalities related to this issue.

#### **Description of Remedy :**

Description of Remedy Program :	Owners will be notified by First Class mail and instructed to take their vehicle to an authorized BMW center / MINI dealer to have the electric auxiliary water pump replaced for free. Owners who have replaced the electric auxiliary water pump at their own expense prior to the recall notification may be eligible for reimbursement according to BMW Group's reimbursement plan in accordance with 49 CFR 573.13 and 49 CFR 577.1			
How Remedy Component Differs	Recall compor	nent: Electric au	xiliary water pump.	
from Recalled Component :	Part Number	Motor	Model	
	7 619 360	N14/18	MINI	
	7 604 525	S63	X5M, X6M	
	7 604 528	N63	X5, X6, 5 Series, 5 Series GT, 6 Series, 7	
	Series			
	$7\ 595\ 628$	N63	X6 Hybrid	
	$7\ 624\ 087$	N63	7 Series Hybrid	
	$7\ 624\ 086$	N74	7 Series; Rolls-Royce Ghost	
	11 501 601	Alpina	7 Series (Alpina B7)	
		-	-	

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Identify How/When Recall Condition NR was Corrected in Production :

#### **Recall Schedule :**

Description of Recall Schedule :	Dealer notification is planned to begin and end on April 18, 2018. Owner notification is planned to begin and end on June 11, 2018.
Planned Dealer Notification Date :	APR 18, 2018 - APR 18, 2018
Planned Owner Notification Date :	JUN 11, 2018 - JUN 11, 2018

\* NR - Not Reported

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