# Service Bulletin

Mazda North American Operations Irvine, CA 92618-2922



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Subject:

**ENGINE NO START IN EXTREMELY COLD AMBIENT TEMPERATURES** 

**Bulletin No:** 01-023/13

Last Issued: 10/07/2013

#### APPLICABLE MODEL(S)/VINS

2013-2014 CX-5

2014 Mazda6

#### **DESCRIPTION**

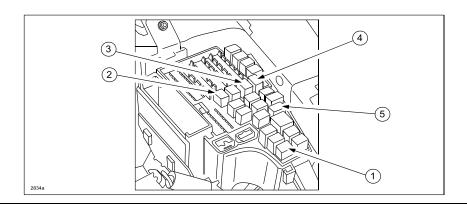
Some vehicles may exhibit an engine no start in ambient temperatures below -4 degree Fahrenheit (-20 degree Celsius) after driving for 10 - 20 minutes and then parking the car for about one hour. This may be caused by the contact point of the main relay freezing due to moisture inside the main relay.

Customers having this concern should have their vehicle repaired using the following repair procedure.

#### REPAIR PROCEDURE

- 1. Verify customer concern.
- 2. Replace the 5 relays shown in the table below.

	Relay Name	DTC stored by malfunctioning relay	DTC stored by malfunctioning Ignition Relay and Main Relay	
1	Main Relay	U0100	B10E7	
2	Ignition Relay	B10E7	- BIUE/	
3	Fuel Pump Relay	P025D		
4	Injector Relay	P0201, P0202, P0203, P0204, P0091		
5	E-VVT Relay	P0010		



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consumer notice: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ----without permission in writing.

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## PART(S) INFORMATION

Part Number	Description	Qty.
AJ51-18-821	Relay	5

### **WARRANTY INFORMATION**

#### NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	А	
Symptom Code	02	
Damage Code	92	
Part Number Main Cause	AJ51-18-821	
Quantity	5	
Operation Number / Labor Hours:	XXJBNXRX / 0.2 Hrs.	