Service Bulletin Mazda North American Operations

Irvine, CA 92618-2922



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ct: AUXILIARY PORT VALVE (APV) REMOVAL CAUTION		Bulletin No:	01-034/11
		ast Issued:	10/19/2011

# APPLICABLE MODEL(S)/VINS

2004-2008 Mazda RX-8 with High Power

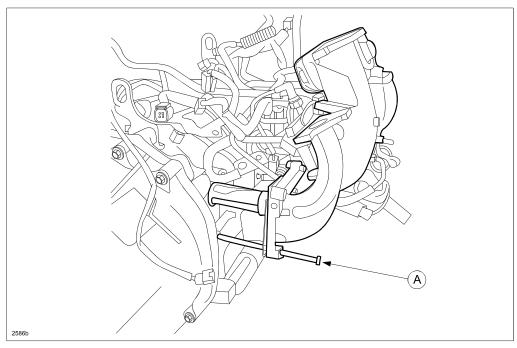
2009-2011 Mazda RX-8

## DESCRIPTION

An Auxiliary Port Valve (APV) has been established as a service part. Replacement of the Inlet Manifold (13-100) is no longer needed if the APV becomes damaged or broken during inlet manifold removal. Technicians should use care when removing APVs from the rotor housing to prevent damage.

### **REMOVAL PROCEDURE**

- 1. Remove the inlet manifold from the engine. Refer to MS3 online instructions or Workshop manual section 01-13.
  - NOTE: When removing the inlet manifold, use two long bolts (A) [M8 1.25x220 hex bolt] in both the lower outer bolt holes to help support the manifold and slide out the APVs. This will take pressure off the APV arms so they will have less chance of breaking.



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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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If the APV is damaged during removal, remove the APV bolts (A), then remove the front APV (B) and/or the rear APV (C) from the inlet manifold and replace with a new one.
APV bolt tightening torque: 0.9-1.2 Nm (9.2-12.0 kgf-cm, 8-10 in-lbf)

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3. Install the inlet manifold to the engine. Refer to MS3 online instructions or Workshop manual section 01-13.

Part Number	Description	Qty.	Notes
N3H2-13-B6X	Valve Assembly (APV) - Front	1	2004-2008 with High Power
N3H3-13-B6X	Valve Assembly (APV) - Rear	1	
N3R4-13-B6X	X Valve Assembly (APV) - Front		2009-2011
N3R5-13-B6X	Valve Assembly (APV) - Rear	1	
N3H6-13-B65	Bolt (APV)	2	APV bolts need to be replaced.

## **PART(S) INFORMATION**

### 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 where applicable coverage will be Powertrain or California Emissions.
- Additional diagnostic time cannot be claimed for this repair.
- Inlet manifold assemblies will not be covered under warranty in such cases where the APV is broken or damaged during removal.

Warranty Type	A
Symptom Code	98
Damage Code	93
Part Number Main Cause	N3H2-13B6X or N3H3-13B6X for 2004-2008 with High Power
	N3R4-13B6X or N3R5-13B6X for 2009-2011
Quantity	1
Operation Number / Labor Hours:	F0140RRX /
	7.6 Hrs. (M/T, 2009-2011)
	7.3 Hrs. (A/T, 2009-2011)
	7.7 Hrs. (M/T, 2004-2008 with High Power)
	7.4 Hrs. (A/T, 2004-2008 with High Power)