

# Service Alert

Mazda North American Operations  
Irvine, CA 92618-2922

**Subject:**

**NEW CYLINDER HEAD ASSEMBLY ESTABLISHED**

**Service Alert No.:** SA-058/20

**Last Issued:** 08/20/2020

## BULLETIN NOTES

This service alert supersedes the previously issued service alert listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
SA-058/20	08/05/20 and 7/24/20

## APPLICABLE MODEL(S)/VINS

2018-2020 CX-5 (US spec)

2018-2020 Mazda6 (US spec)

2019-2020 Mazda3 (US spec)

## DESCRIPTION

A new cylinder head assembly for service parts has been newly established for SKYACTIV-G 2.5 with cylinder deactivation when replacement is needed. Valves, valve springs, valve spring seats, and cotters (IN/EX) are included in the new assembly.

## REPAIR PROCEDURE

Several videos have been created to aid with the cylinder head replacement.

**NOTE:** Videos are for reference only. Refer to the instructions on MGSS for more detail.

**CAUTION:** Care should be taken when handling the wire harnesses. Bending or stretching the harnesses could break the wires, and this type of damage is not covered under warranty.

- Timing Chain Replacement
- Colored Timing Chain Links
- Camshaft Inspection
- Cylinder Inspection
- Bolt Hole Prep
- SHAN Installation
- SHLA Installation - Correct vs Incorrect

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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.

## PARTS INFORMATION

Cylinder head assemblies no longer requires MASH approval. They are currently on restricted ordering through DAG.

To order a head assembly, complete the e-mail form provided under 'Contact Us' on the DAG Websight.

Please include:

- Dealer number
- Part number
- VIN
- Repair order number
- Repair order date

Required parts for cylinder head replacement:

Parts Number	Description	Qty.
0000-99-SCX5	Head Set Kit, Cylinder	1

**NOTE (Information only - DO NOT order): P/N0000-99-SCX5 above includes the following parts.**

Parts Number	Description	Qty.
PYY4-10-SJ0	Head Set, Cylinder	1
8PY3-10-271A	Gasket Set	1
PYFA-15-169A	Water Outlet Gasket	1
ZZC0-10-135	Head Bolts	10
ZJ01-10-243	Front Cover Sealing Washer	1
PY01-13-460A	Exhaust Manifold Gasket	1
PE23-40-305	Exhaust Pipe Gasket 2WD/4WD	1
PYFA-13-256	Fuel Injector Spacer/Retaining Clip	4

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**NOTE:** PYY4-10-SJ0 includes the following parts.

Description
Head, Cylinder (Older Assembly)
Cotter, Valve
Seat, Valve SPG-UP
Spring, Valve
Spring, Outer-EX Valve
Valve, Inlet
Valve, Exhaust

## WARRANTY INFORMATION

Warranty Type	A
Symptom Code	76
Damage Code	9B
Part Number Main Cause	PYY4-10-SJ0
Quantity	1
Operation Number / Labor Hours:	B0402ARX / (listed time in Warranty Wizard) B0402XRT / 0.5 hrs (actual time)

**NOTE: DO NOT USE the cylinder head replacement labor time listed in Warranty Wizard. That labor time is for a bare head and includes time to swap parts from the original head to the new head.**

Searching Key Words: Cam Journal, Valve Guide, Intake Valve, Exhaust Valve, Valve Spring, Hydraulic Lifter, Coolant leak, Coolant smell, Warp head, Engine Oil Leak, Oil Smell, Oil leak, Misfire, Low Compression, Excessive Leak Down, Burnt Valves, Rocker Arm

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