

Technical Service Bulletin Number
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TSB160088



Technical Service Bulletin

Subject

New Intake and Exhaust Rocker Levers

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- ISX (All 15 Liter Versions)
- QSX (All 15 Liter Versions)

Description of Change

This document announces the release of new intake and exhaust rocker levers with lubricating oil feed and roller pin changes.

Reason for Change

The changes to the roller pins and lubricating oil feed in the new rocker levers improve robustness against corrosion and debris related damage in the roller to roller pin joint.

Service Instructions



New and used rocker levers **must** be lubricated as directed in the Service Manual. Severe engine damage can result if rocker levers are **not** properly lubricated.

Lubrication of the roller pins has **always** been advised for rocker levers but emphasis is placed on this guidance as the result of lubricating oil feed changes on the new rocker levers. See the corresponding Service Manual. Reference Procedure 003-009 in Section 3.

Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Front Exhaust Rocker Lever	4318204	Yes	Yes	4386045
Rear Exhaust Rocker Lever	4318205	Yes	Yes	4386046
Front Intake Rocker Lever	4318206	Yes	Yes	4386047
Rear Intake Rocker Lever	4318207	Yes	Yes	4386048

Part Compatibility

The new rocker levers are interchangeable, backwards compatible, and can be intermixed within an engine.

NOTE: Some engines built after the engine serial number (ESN) first may contain a mix of existing and new part numbers.

Part Identification

New rocker levers can be distinguished by a roller pin which is black in color and hollow through the center. The existing rocker levers have a bronze colored solid pin. See Figures 1 and 2 below.

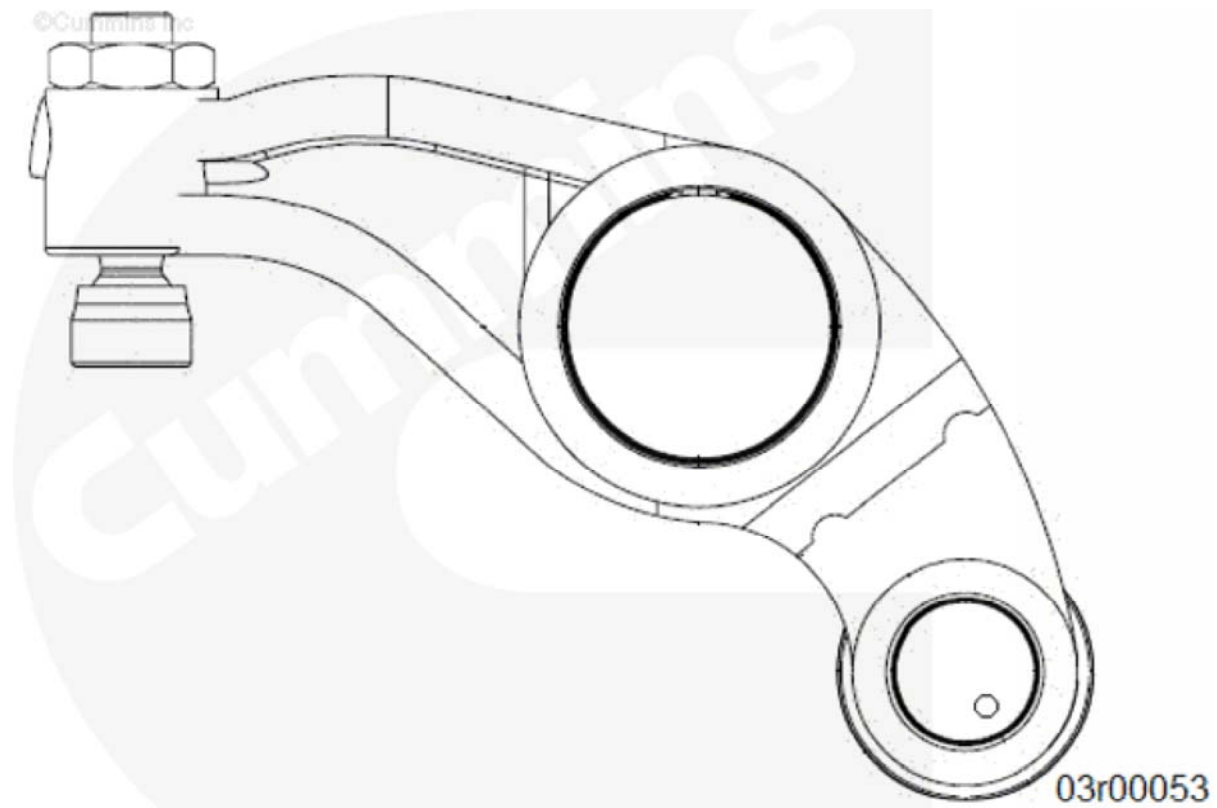


Figure 1, Existing Exhaust Rocker Lever.

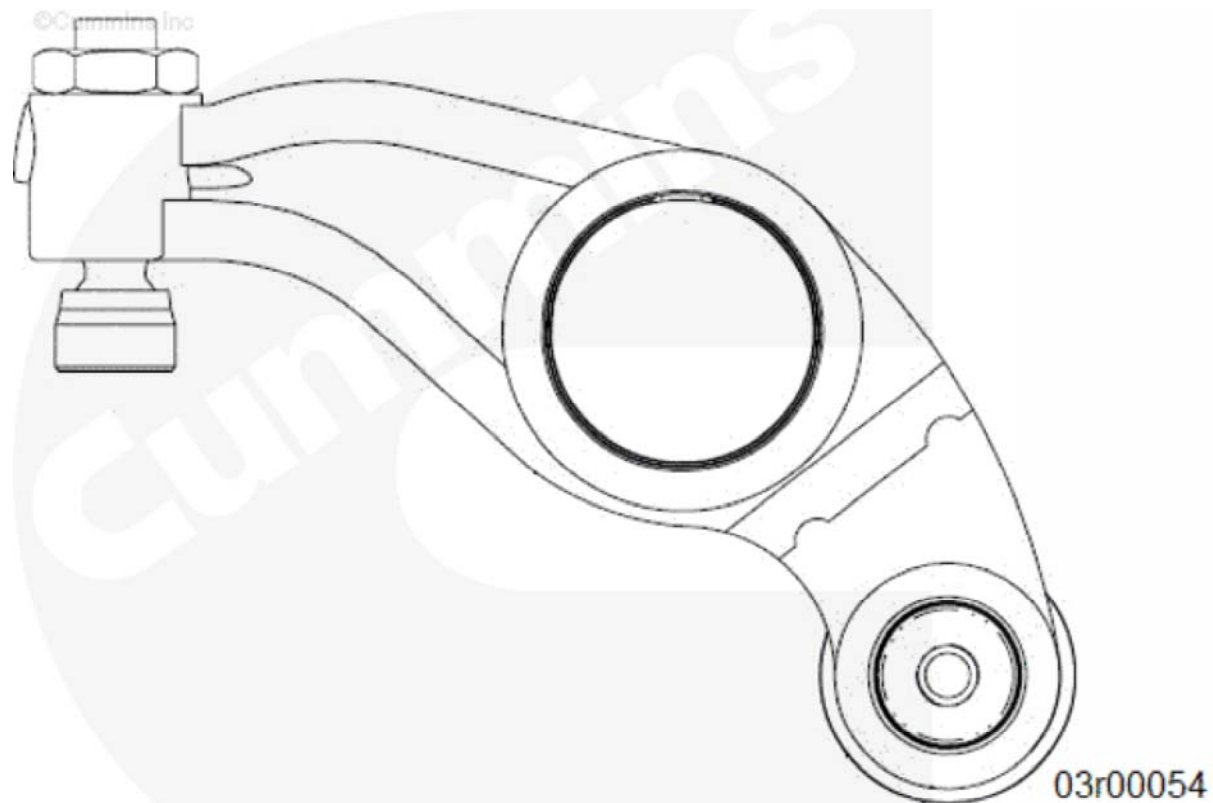


Figure 2, New Exhaust Rocker Lever.

Production Status

Implemented for production. See Table 2.

Table 2, Plant Information		
ESN First	Build Date	Plant
79939646	1 September 2016	Jamestown Engine Plant
*Engine build date can be found on the engine dataplate		

Publications Affected

Lubrication guidance is emphasized in the publications shown in Table 3.

Table 3, Publications Affected					
Manual	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	ISX15 CM2350 X101	4310641	Rocker Lever Assembly	Refer to Procedure 003-009	3
	ISX15 CM2250	4022250	Rocker Lever Assembly	Refer to Procedure 003-009	3
	ISX15 CM2250 SN	4310736	Rocker Lever Assembly	Refer to Procedure 003-009	3
	QSX15 CM2350 X106	4332712	Rocker Lever Assembly	Refer to Procedure 003-009	3
	QSX15 CM2350 X105	4332667	Rocker Lever Assembly	Refer to Procedure 003-009	3
	QSX15 CM2250 ECF	2883557	Rocker Lever Assembly	Refer to Procedure 003-009	3
	Signature™, ISX CM570/CM870/CM871/CM871 E	3666239	Rocker Lever Assembly	Refer to Procedure 003-009	3

Document History

Date	Details
2016-8-19	Module Created
2016-11-2	Added production status.

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