

Preview Solution CBR-523-5

Overhead Wear Overview - Model Year 2018 To Current (Common Rail Fuel System ONLY)

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Valid for all Mack and Volvo models 2018 to current.

Refer to the images below to help determine the severity of the wear on the overhead components.



Normal Wear



Heavy Wear



Extreme Wear

Pictured above are 3 different wear levels of the " dog bones " on the exhaust brake rocker.



Normal Wear



Heavy Wear



Extreme Wear

Pictured above are 3 different wear levels of the injector adjusting screws.



Normal Wear



Heavy Wear



Extreme Wear

Pictured above are 3 different wear levels of the injector pivot cups.



Elephants foot removed from inlet rocker arm by pulling straight off and inspect adjusting screw ball end and inside of elephants foot..

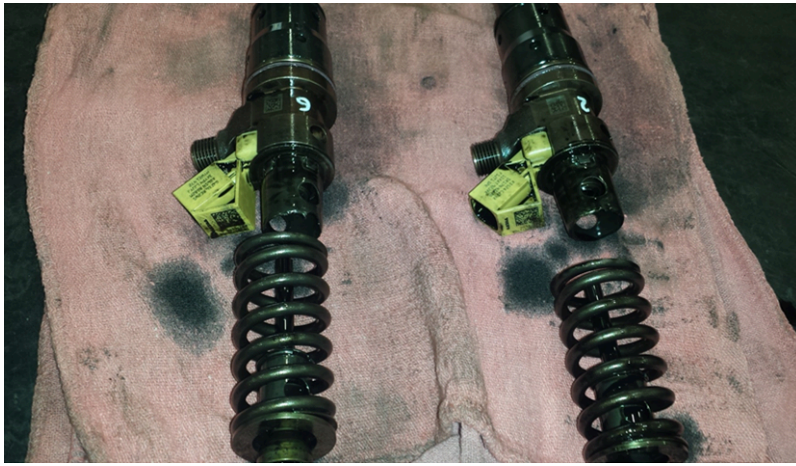


Normal Wear



Heavy Wear to Extreme Wear

Broken injector spring retainers may also be found.



See the parts and tool list below.

NOTE: After all repairs have been made perform the following additional steps.

- Change the engine oil
- Replace the oil filters
- Replace the fuel filters
- Update the EMS software

Required Rocker Arm Repair Parts With VEB

Item	Description	Qty	
1	Inlet & Exhaust, Non-Brake, Ball Socket Kit	6	21054149
2	Rocker Arm, VEB+ Brake Assembly	6	21460261
3	Pumping Injector and Sleeve Kit	3	85153229
4	Leaf Spring, Rocker Arm, VEB6	6	20728004
5	Injector Pipe	1	22074665
6	Injector Pipe	2	22074666
7	Connection Pipe Assembly, Control Valve VCB	1	22782247
8	Oil Filter, Long Life	2	21707133
9	Oil Filter, Bypass	1	21707132
10	** Fuel Filter, Standard	1	21764964
11	** Fuel Filter, Long Life	1	22474709
12	Fuel Filter, Primary	1	***

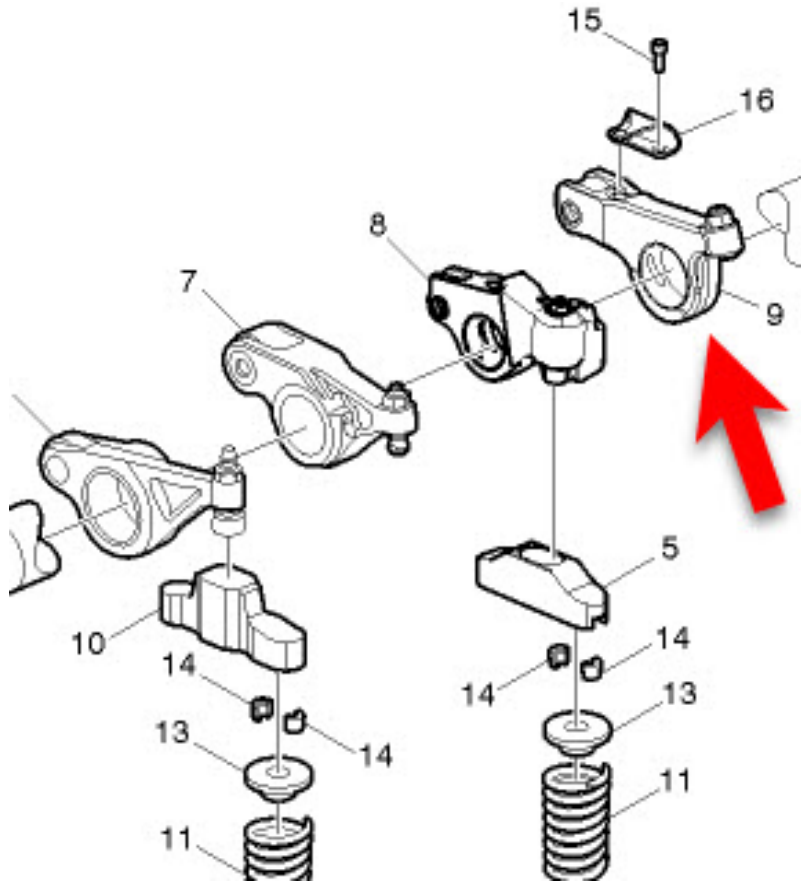
Required Rocker Arm Repair Parts Without VEB

Live UI

Item	Description	Qty	
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1	Inlet & Exhaust, Non-Brake, Ball Socket Kit	12	21054149
2	Pumping Injector and Sleeve Kit	3	85153229
3	Injector Pipe	1	22074665
4	Injector Pipe	2	22074666
5	Connection Pipe Assembly, Control Valve VCB	1	22782247
6	Oil Filter, Long Life	2	21707133
7	Oil Filter, Bypass	1	21707132
8	** Fuel Filter, Standard	1	21764964
9	** Fuel Filter, Long Life	1	22474709
10	Fuel Filter, Primary	1	***

NOTE: Refer To [Impact](#) For Parts Look-Up For The Most Current Part Number / Supersession Refer To Parts Compass / Parts Detail Part Lookup



Rocker Arm Repair Special Tools

Item	Tool Number	Tool Description
1	88800232	SETTING TOOL

Live UI

2	88800387	PULLER
3	88800460	SLEEVE
4	88800513	MANDREL
5	88800550	TOOL KIT
6	88840317	CRANKING ADAPTER
7	88870007	EXTRACTOR
8	85112740	COOLANT EXTRACTOR / INJECTOR
9	88870008	LIFTING TOOL
10	85109250	LIFTING TOOL
11	88890187	BAR CODE SCANNER
12	9996049	DRAIN HOSE
13	9998249	PROTECTING SLEEVE
14	9998250	SEALING RING
15	9998251	SEALING RING
16	KEM J-42885	INJECTOR TUBE BORE CLEANING KIT

Related links and attachments

No links or attachments available



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