

Engine oil heat exchanger seal leaking slightly

Topic number	L118.30-P-059712
Version	2
Design group	18.30 Oil cooling system
Date	08-27-2014
Validity	Veh. with OM 642.8
Reason for change	Added Parts photo
Reason for block	

Complaint:

Slight engine oil leak at the seal for the engine oil heat exchanger.

This can cause traces of oil in the inner V and at the drain points of the inner V.

Cause:

The gasket "settles" over time.

Remedy:

Replace with the new seal A642 188 0480.

Note: The heat exchanger is only to be replaced after a clear and thorough investigation.

Note: When replacing the seal please use the damage code 18242.

Note: "Reworking" contact surfaces to remove sealant residues is not permitted.

Symptoms
Power generation / Engine lubrication/oil cooling / Engine lubrication/oil cooling leaks / External oil loss

Parts																
<table border="1" style="width: 100%;"> <thead> <tr> <th>Part number</th> <th>ES1</th> <th>ES2</th> <th>Designation</th> <th>Quantity</th> <th>Note</th> <th>EPC</th> <th>Other ma- ke part</th> </tr> </thead> <tbody> <tr> <td>A 642 188 04 80</td> <td></td> <td></td> <td>Gasket</td> <td>1</td> <td>Oil cooler to cylinder crankcase</td> <td>X</td> <td></td> </tr> </tbody> </table>	Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other ma- ke part	A 642 188 04 80			Gasket	1	Oil cooler to cylinder crankcase	X	
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Attachments				
<table border="1" style="width: 100%;"> <thead> <tr> <th>File</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>new and old oil cooler seals (640x429).jpg</td> <td>new and old heat exchanger seals</td> </tr> </tbody> </table>	File	Description	new and old oil cooler seals (640x429).jpg	new and old heat exchanger seals
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Work units					
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18-6840	SEE AR18.30-P-6840SXI		18242 04	Only replace the oil heat exchanger in confirmed cases.
01-1010	DETERMINE OIL LOSS			

Validity		
Vehicle	Engine	Transmission
461.305	642.884	*
461.333	642.884	*
461.340	642.884	*
461.343	642.884	*
461.371	642.884	*
461.391	642.884	*
461.392	642.884	*
C (204)	642.832	*
C (204)	642.830	*
C (204)	642.834	*
CLS (218)	642.858	*
CLS (218)	642.854	*
CLS (218)	642.853	*
CLS (218)	642.852	*
E (207)	642.836	*
E (207)	642.838	*
E (212)	642.858	*
E (212)	642.852	*
E (212)	642.850	*
E (212)	642.856	*
G (463)	642.886	*
G (463)	642.887	*
GL (164)	642.820	*
GL (164)	642.822	*
GL (166)	642.826	*
GLK (204)	642.832	*
GLK (204)	642.835	*
M (164)	642.820	*
M (166)	642.826	*
R (251)	642.870	*
R (251)	642.872	*
S (221)	642.862	*
S (221)	642.868	*
S (222)	642.867	*
S (222)	642.861	*