

Seal for heat exchanger for the engine oil has a slight leak

Topic number	LI18.30-P-059712
Version	3
Design group	18.30 Oil cooling system
Date	08-05-2016
Validity	Vehicles with OM 642.8xx
Reason for change	New part number / Extension of validities / Information on prevention of consequential damage
Reason for block	

Complaint:

Seal for oil-water heat exchanger for the engine oil has a slight leak.

This may lead to oil traces in the inner-V (between cylinder banks) and the inner V drains.

Attachments	
File	Description
Engine damages due to use of abrasives.pdf	Note: Engine damage due to use of abrasives

Cause:

The gasket may "settle" over time.

Remedy:

Replace with the new seal A642 188 05 80.

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

Note: The oil-water heat exchanger for the engine oil is only to be replaced when clearly called for in the findings report.

Note: "Reworking" contact surfaces to remove sealant residues is not permitted. Any consequential damage caused by this is not covered by the warranty and goodwill provisions.

Please note the information in the attachment!

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

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 642 188 05 80			Gasket	1	Oil cooler to cylinder crankcase	X

Attachments	
File	Description
Brillendichtung - oil cooler seal.pdf	Gland seal - oil cooler seal

XENTRY TIPS

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
18-6840	REMOVE/INSTALL OIL HEAT EXCHANGER FOR ENGINE, SEAL, REPLACE IF NECESSARY		18242 04	Only replace the oil-water heat exchanger for the engine oil in confirmed cases.

WIS-References			
Document number	Title	Note	Allocation
AR18.30-P-6840xxx	Remove/install oil-water heat exchanger		Remedy

Validity		
Vehicle	Engine	Transmission
C (204)	642.834	*
C (204)	642.830	*
C (204)	642.832	*
CLS (218)	642.858	*
CLS (218)	642.852	*
CLS (218)	642.853	*
CLS (218)	642.854	*
E (207)	642.836	*
E (207)	642.838	*
E (212)	642.852	*
E (212)	642.850	*
E (212)	642.856	*
E (212)	642.858	*
E (213)	642.855	*
G (461) - 461.305	642.884	*
G (461) - 461.333	642.884	*
G (461) - 461.340	642.884	*
G (461) - 461.343	642.884	*
G (461) - 461.371	642.884	*
G (461) - 461.391	642.884	*
G (461) - 461.392	642.884	*
G (463)	642.887	*
G (463)	642.886	*
GL (164)	642.822	*
GL (164)	642.820	*
GL/GLS (166)	642.826	*
GLE (292)	642.826	*
GLK (204)	642.835	*

XENTRY TIPS

GLK (204)	642.832	*
M (164)	642.820	*
M/GLE (166)	642.826	*
R (251)	642.870	*
R (251)	642.872	*
S (221)	642.868	*
S (221)	642.862	*
S (222)	642.867	*
S (222)	642.861	*