

Engine oil leak at oil duct of left or right cylinder head

Topic number	LI01.30-P-058630
Version	1
Design group	01.30 Cylinder head
Date	03-21-2014
Validity	Engine 157, engine 276 and engine 278. Up to engine 2769xx 30 530090 2789xx 30 141210
Reason for change	
Reason for block	

Complaint:

Minor leaks at the oil duct of the left or right cylinder head of engines 157, 276 and 278.

1. Left cylinder head: Oil passage plug hole on left beside mechanical vacuum pump.
2. Right cylinder head: Oil passage plug hole below high-pressure pump housing.

Cause:

Scoring in oil passage hole in area of check ball plug.

Remedy:

Insert a cylindrical pin into the oil passage opening (as per attached instructions).

Attachments	
File	Designation
Reparaturanleitung Kugelverschluß Hauptölkanal am Zylinderkopf MOVE.pdf	Repair instructions
Repair instruction check ball at the main oil channel of left - right cylinder head.pdf	Repair instructions

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

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
N 000000 002507			Cylinder pin	1	Knock cylinder pin flush into hole.	X	
A 001 986 71 71	10		Cleaning agent	1		X	
A 007 989 79 71	09		Thread locking compound	1		X	

Validity		
Vehicle	Engine	Transmission
*	278	*
*	157	*
*	276	*

Full model designation breakdown		
Vehicle	Engine	Transmission
166.055	276.955	722.906
166.056	276.821	722.904
166.056	276.925	722.904
166.057	276.955	722.906
166.058	276.955	722.906
166.059	276.821	722.904
166.062	276.821	722.904
166.073	278.928	722.909
166.073	278.928	725.031
166.073	278.928	725.032
166.074	157.982	722.905
166.074	157.982	722.931
166.856	276.821	722.904
166.864	276.821	722.904
166.865	276.821	722.904
166.872	278.928	722.909
166.872	278.928	725.031
166.872	278.928	725.032
166.872	278.928	725.033
166.873	278.928	722.909
166.873	278.928	725.031
166.873	278.928	725.032
166.873	278.928	725.033
166.874	157.982	722.905
166.874	157.982	722.931
172.457	276.956	722.906
204.055	276.957	722.906
204.057	276.957	722.906
204.080	276.957	722.960
204.088	276.957	722.960
204.257	276.957	722.906
204.357	276.957	722.906
204.388	276.957	722.960

204.957	276.957	722.906
204.988	276.957	722.960
204.990	276.957	722.960
207.355	276.957	722.906
207.359	276.957	722.906
207.362	276.820	722.904
207.365	276.820	722.904
207.373	278.922	722.909
207.388	276.957	722.960
207.455	276.957	722.906
207.459	276.957	722.906
207.462	276.820	722.904
207.465	276.820	722.904
207.473	278.922	722.909
212.055	276.952	722.906
212.059	276.952	722.906
212.065	276.820	722.904
212.067	276.820	722.961
212.073	278.922	722.909
212.073	278.922	725.011
212.073	278.922	725.032
212.074	157.981	722.931
212.074	157.981	722.965
212.075	157.981	722.931
212.076	157.981	722.971
212.080	276.952	722.960
212.088	276.952	722.960
212.091	278.922	722.967
212.091	278.922	725.021
212.092	157.981	722.971
212.095	276.952	724.206
212.162	276.820	722.904
212.165	276.820	722.904
212.167	276.820	722.961
212.168	276.820	722.961
212.195	276.952	724.206
212.255	276.952	722.906
212.259	276.952	722.906
212.265	276.820	722.904
212.267	276.820	722.961
212.273	278.922	722.909
212.273	278.922	725.011
212.273	278.922	725.032

212.273	278.922	725.033
212.274	157.981	722.931
212.275	157.981	722.931
212.276	157.981	722.971
212.280	276.952	722.960
212.288	276.952	722.960
212.291	278.922	722.967
212.291	278.922	725.021
212.292	157.981	722.971
216.373	278.920	722.909
216.374	157.980	722.931
216.394	278.920	722.967
218.355	276.952	722.906
218.359	276.952	722.906
218.359	276.952	725.011
218.373	278.922	722.909
218.373	278.922	725.011
218.374	157.981	722.931
218.375	157.981	722.931
218.376	157.981	722.971
218.391	278.922	722.967
218.391	278.922	725.041
218.392	157.981	722.971
218.959	276.952	722.906
218.959	276.952	725.011
218.973	278.922	722.909
218.973	278.922	725.011
218.974	157.981	722.931
218.975	157.981	722.931
218.976	157.981	722.971
218.991	278.922	722.967
218.991	278.922	725.041
218.992	157.981	722.971
221.057	276.950	722.906
221.073	278.932	722.909
221.074	157.980	722.931
221.082	276.950	722.960
221.094	278.932	722.967
221.157	276.950	722.906
221.173	278.932	722.909
221.174	157.980	722.931
221.182	276.950	722.960
221.194	278.932	722.967

222.057	276.960	724.206
222.057	276.960	725.011
222.077	157.985	722.931
222.082	278.929	722.909
222.082	278.929	725.011
222.085	278.929	722.967
222.085	278.929	725.041
222.157	276.960	724.206
222.157	276.960	725.011
222.162	276.824	722.904
222.162	276.824	725.011
222.165	276.824	722.904
222.165	276.824	725.011
222.177	157.985	722.931
222.178	157.985	722.971
222.182	278.929	722.909
222.182	278.929	725.011
222.185	278.929	722.967
222.185	278.929	725.041
231.457	276.954	722.906
231.465	276.825	722.904
231.473	278.927	722.909
231.474	157.983	722.931
251.057	276.958	722.906
251.157	276.958	722.906
251.163	276.826	722.904
251.166	276.826	722.904
463.272	157.984	722.905
463.273	157.984	722.905