

Coolant loss, engines 152, 157, 278

Topic number	LI01.40-P-057996
Version	2
Function group	01.40 - Crankcase, timing case cover, end cover
Date	7/14/21
Validity	Engine 152, 157, 278 up to vehicle production date December 2013
Reason for change	Vehicle production date added

Complaint

Engine has coolant loss.

Cause

Coolant leaking into the engine oil via the molded seal between the timing case and the cylinder crankcase.

Remedy

Checks to be performed:

- Check for external coolant leakage
- Check spark plug holes for cracks
- Fill coolant up to maximum level and determine the quantity consumed at the next workshop visit by topping up again
- Pressurize coolant circuit at operating temperature while inspecting the combustion chambers with a light probe

If these checks fail to reveal the cause of the coolant loss, the timing case should be removed and the molded seal between the timing case and the cylinder crankcase should be replaced.

Symptoms
Power generation > Engine cooling system > Function > Coolant level too low
Power generation > Engine cooling system > Indicator lamp > Illuminates yellow
Power generation > Engine cooling system > Display message > Coolant - Serviced Required
Power generation > Engine cooling system > Leakage > Has coolant loss

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC

XENTRY TIPS

A2780150080		Molded seal	1		X
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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
018000	REMOVE/INSTALL/SEAL TIMING CASE COVER		0107504	