

## Ticking or pulsing noise from high-pressure pump and fuel injectors

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Topic number	LI07.02-P-054717
Version	3
Design group	07.02 Injection pump, Plug-in pump, High pressure pump
Date	11-14-2016
Validity	All engines 276 / 278 / 157 / 152.
Reason for change	It is not required to submit cases
Reason for block	

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### Complaint:

High-frequency ticking or pulsing noise from high-pressure pump and/or fuel injectors.

### Cause:

The customer may be hearing the noise of pump lifting piston inlet in piston seat in the high pressure fuel pump or the closing noise of fuel injector tips following injection.

Regardless, these noises are the normal sound level of components, characteristic to the high-pressure injection system.

### Remedy:

In the event of any noise complaints a reference vehicle must be used for comparison to assess the actual noise level.

Compare the noise in similar condition with or without foam enclosure for the high-pressure pump, with the engine hood closed, outside and from the inside the cabin.

Refer to general procedures and documentation related to engine complaints such as SI01.10-P-0001B or S-B-01.10/34.

Determination of sound levels might lead to component replacement in some situations. There is no need to submit cases however; it is a good practice to keep sound files and other information for any future references.

Symptoms
Power generation / Engine noise / Ticking
Power generation / Engine noise / Knocking/clacking
Power generation / Engine noise / Clattering
Power generation / Engine noise / Rings/knocks

Validity		
Vehicle	Engine	Transmission
*	157.984	*

# XENTRY TIPS

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*	276.952	*
*	276.955	*
*	278.927	*
*	276.957	*
*	278.922	*
*	157.982	*
*	276.956	*
*	157.983	*
*	278.932	*
*	276.950	*
*	276.958	*
*	276.954	*
*	278.920	*
*	278.928	*
*	157	*
*	276	*
*	152	*
*	278	*
*	157.981	*
*	157.980	*