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TECHNICAL ANNOUNCEMENT No. 12 - 2003

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Model: Frame hydraulic tappets - California engine < see table

Subject: Noisiness of the timing system

Dear Dealers,

in case of noisiness of the timing system for the California p.i. models with a frame number preceding the numbers listed below, the camshaft may be worn.

Titanium	ZGUKDC1203M133654
Titanium Usa	ZGUKDD0074M133659
EV - EV Touring	ZGUKDC1203M112261
EV Touring USA	ZGUKDD0024M112346
Stone	ZGUKDC4203M111687
Stone USA	ZGUKDD0164M111418

Therefore, if the above mentioned components are seriously damaged (some material is clearly missing) and if metal residuals are found inside the oil sump, the camshaft and the 4 closings must be replaced, and the engine must be overhauled completely, if needed.

In the following pages the procedure for assembling the new camshaft is described, with particular reference to the measuring of the timing system clearance.

We also point out that measuring the clearance and readjusting it by means of a calibrated pad is absolutely necessary when assembling the engine, in order to ensure the system reliability, since, in case of an excessive clearance which cannot be recovered through the hydraulic tappets, the camshaft lobes will be subjected to impacts during engine operation, resulting in a quick wear.