Technical *data*

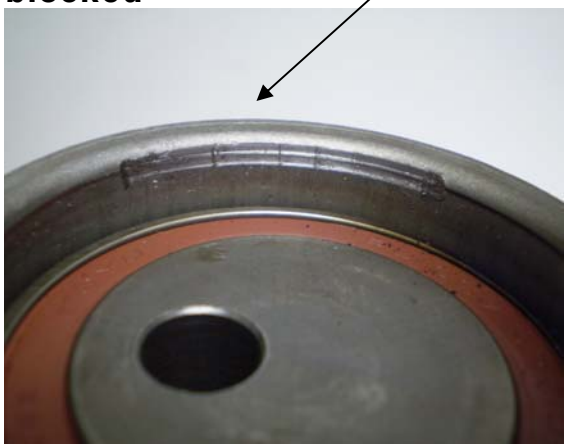
Failure of the idler pulley from CT 941K1 due to overheating Mitsubishi 1.8 GDI, Volvo V40/ S40 1.8

Problem:
Shortly after the kit has been installed, the **idler pulley** fails due to degradation/overheating. (Fig.1)

Fig. 1
Disassembled idler pulley

Cause:
Blockage of the **tension pulley**.
This causes the belt that transmits heat to the idler pulley to overheat. As a result, the plastic cage of the bearing melts, causing the roller to fail. The blockage of the **tension pulley** occurs when the roller rubs against the assembly stand. (Fig. 2)

Fig. 2
Tension pulley inside mech. blocked



Solution:
The tension pulley must absolutely be clamped **counterclockwise** when an eccentric is used for clamping. The roller must be able to move freely on the assembly stand.
The tightening torque of 48 Nm on the fixing screw must be observed.

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