# Technical Info

# Setting Fiat timing belt tension with the new BTT Hz - Example: Punto 188 A.4 engine. (frequency metering)

#### **Problem:**

The tension setting as the cutoff voltage (T2) for the BTT Hz is specified as 150 - 160 HZ in the manual. Subjective measurement results in the timing belt being tensioned too high.

### Cause of error:

The manufacturer's nominal setting with a frequency metering device, applicable since the 2003 model year, is determined by adding 2 measurements. The measured value of the green arrow at the left of the image has to be added. Older models can also be set using the BTT Hz.

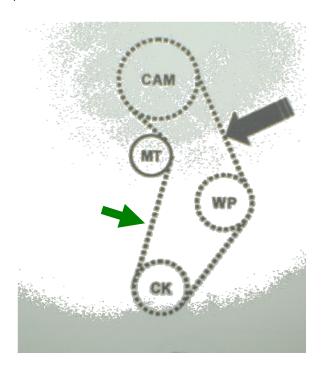
## **Procedure:**

Pretension the timing belt using a torque wrench with 7 Nm at the tensioner pulley, then secure the tensioner pulley. Perform 2 engine revolutions, then add the measuring results of both points. The total value should be 160 Hz.

Alternatively a setting of 125 Hz only above the water pump is also possible.

T1 revolution	T2
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100-110	2	150-160	FLA-f
100-110	2	150-160	FLA-f
190-210		230-245	FLA-k
160-180		205-220	FLA-aa
120-130		145-160	FLA-c
125-135		150-165	FLA-c
120-135		130-155	FLA-t
100-110	2	150-160	FLA-f
190-210		234-245	FLA-k



ContiTech Antriebssysteme GmbH Philipsbornstraße 1, D -30165 Hannover Techn. Hotline +49 (0)511 938 -5178 E-mail: frank.wissbroecker@ptg.contitech.de www.contitech.de/kfz-ersatz

