

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

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

