



# TECHNICAL BULLETIN 045

23/12/2011

## TENSIONER / KIT INSTALLATION ON PSA DIESEL ENGINES

Although this tensioner looks very easy to install, a detail is important. An incorrect tensioner installation will usually lead to an incorrect tension, but in this particular case the result will be likely misalignment.

This misalignment will cause the belt to track, leading to engine failure.

### POSSIBLE FITTING ERROR:

We've found several cases where the tensioner pulley was not positioned correctly over the mounting stud (Fig. 1).

If the inside of the tensioner front plate rests against the front edge of the mounting stud (Fig. 2 and 3), this results in the tensioner pulley not sitting straight over the stud even after the fixing bolt (Fig. 4) is installed with the correct torque. This will lead to belt misalignment, resulting in a premature failure.



### BULLETIN

#### GATES REFERENCE:

T41139, T41140 & related kits.

#### MAKE:

CITROEN  
FIAT  
LANCIA  
PEUGEOT  
SUZUKI  
TOYOTA

#### MODEL:

Various.

#### MOTOR:

1.9D, 1.9HDI, 2.0HDI, 2.0JTD, 2.0TDI,  
2.2 HDi, 2.2JTD.

#### MOTOR CODE:

Various.



ZDJ. 1



ZDJ. 2



ZDJ. 3

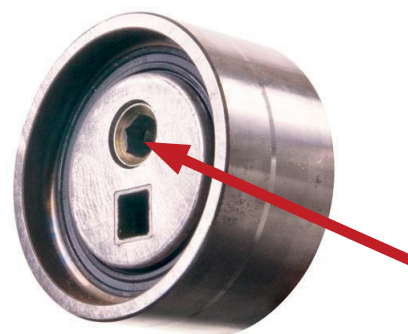


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ZDJ. 4



ZDJ. 5

Fig. 5 shows the correct tensioner on stud position.

**Important:** Engine must be at ambient temperature.

We advise to replace the water pump together with the belt.

See also Technical Bulletins # 024, 034, 037, 038 and 044 on special tension setting for these PSA diesel engines.