REP-REP-RAR5611N12-1131063 REP-REP-RAR5611N12-1131063 - Checking timing chain for elongation (N12N16N18) - V.3, VIN: TT07533

ISTA system version	4.14.14.17050	Data version	R4.14.14	Programming - data
VIN	TT07533	Vehicle	MINI/R56/HAT/Coop	er/N12/MANUAL/ECE/RL/2007/03
Int.lev.works	-	Int.lev.(cur.)	-	Int.lev.(tar.) -
Mileage	-			

11 31 540

Checking timing chain for elongation (N12N16N18)

Special tools required:

• 2 353 281



Attention!

Measurement of timing chain is only possible during manual cranking (dynamic).

An engine start is **not** permissible.

Cranking the engine is only permissible with special tool (chain tensioner).

Attention!

Do not turn engine <u>against the direction of rotation</u>.



Necessary preliminary tasks:

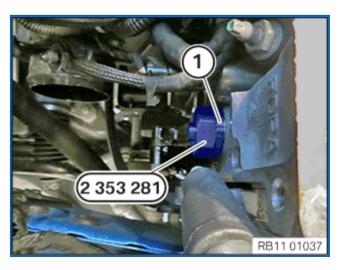
- Remove chain tensioner, remove sealing ring.
- Remove front wheel arch panel.

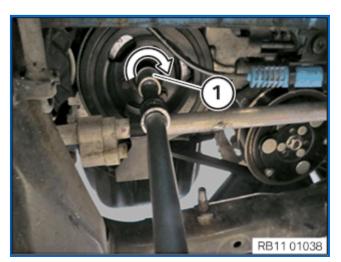
Attention!

Cranking the engine only with an installed special tool (chain tensioner) is permissible.

Screw in special tool 2 353 281without shim (1).

Tightening torque. 11 31 4AZ.



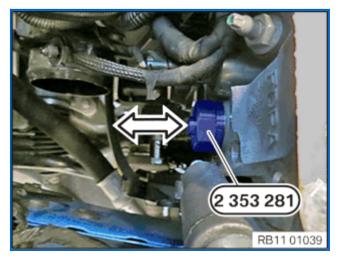


Attention!

Do not turn the engine against the direction of travel.

Measurement of timing chain.

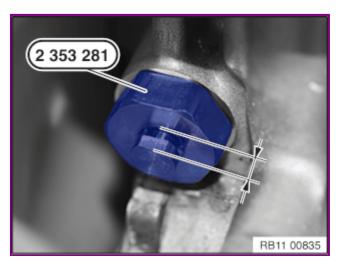
Crank engine at constant speed in direction of rotation **4 times**. Determine minimum dimension on special tool 2 353 281 with the aid of a second person.



Depending on the tension and compression of the timing chain, the measuring pin is uniformly extended and retracted in direction of arrow on special tool 2 353 281.

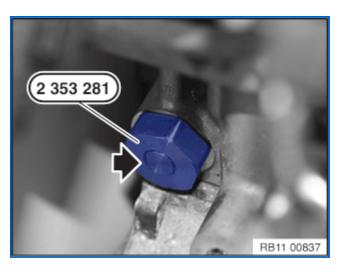
Determine protrusion or short length of the measuring pin on special tool 2 353 281 (see graphic).

Timing chain is OK if protrusion is detected on special tool 2 353 281 (measuring pin).





Assemble engine.



If a short length or flush distance is detected on special tool 2 353 281 (measuring pin), the timing chain and chain tensioner must be renewed.



Installation note: Replace timing chain.