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2008 TOYOTA Yaris TS 5 Doors OEM Service and Repair Workshop Manual

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- (h) Mount the special tool (sleeve) 0 496 130 (11 8803) on special tool 0 496 128 (11 8 801).

SST: 09200-WA080

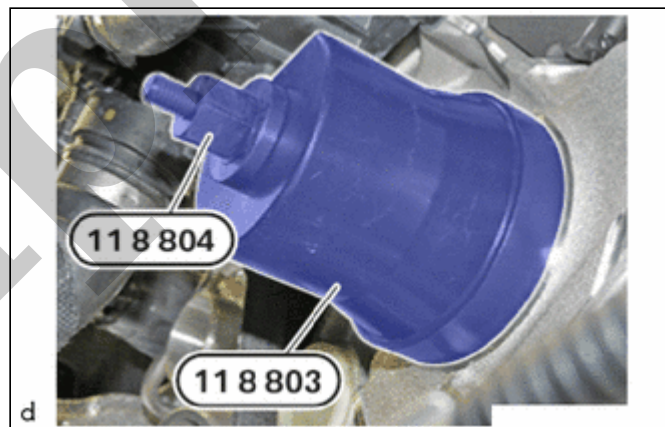


- (i) Screw on the special tool (nut) 0 496 131 (11 8804) until the special tool (sleeve) 0 496 130 (11 8803) lies flush on the cylinder block sub-assembly.

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- (1) This correctly positions the front crankshaft oilseal.

- (j) Remove special tools.



17. INSTALL CRANKSHAFT PULLEY ASSEMBLY

Click here [INFO](#)

18. SEALING OIL DUCT

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19. CLEAN SEALING SURFACES

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20. INSTALL CYLINDER HEAD GASKET

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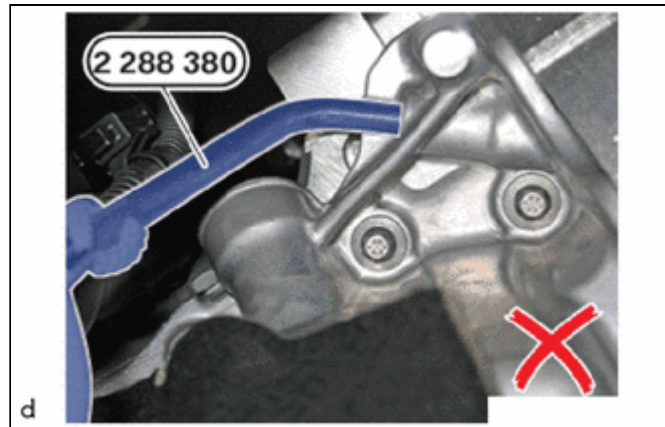
21. SET NO. 1 CYLINDER TO TDC (COMPRESSION)

NOTICE:

- Damage to the engine.

The engine may be damaged if it is manually rotated in the wrong direction.

- Always rotate the engine in the correct direction of rotation by hand: a) Clockwise, facing the crankshaft pulley assembly or b) Counter-clockwise, facing the chain sub-assembly. (b) only applies when the chain sub-assembly is



22. INSTALL CYLINDER HEAD SUB-ASSEMBLY

Click here [INFO](#)

23. INSTALL NO. 2 TURBO WATER PIPE SUB-ASSEMBLY

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24. INSTALL WATER PUMP ASSEMBLY

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25. ADJUST CAMSHAFT

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26. INSTALL CAMSHAFT TIMING EXHAUST GEAR ASSEMBLY

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27. TEMPORARILY TIGHTEN EXHAUST CAMSHAFT TIMING GEAR BOLT ASSEMBLY

Click here [INFO](#)

28. INSTALL CAMSHAFT TIMING GEAR ASSEMBLY

Click here [INFO](#)

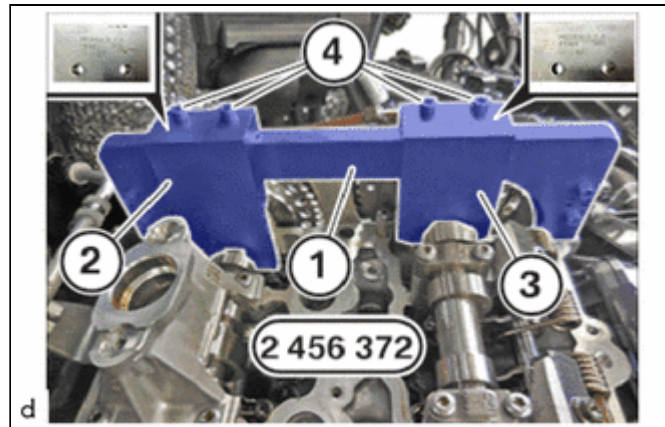
29. TEMPORARILY TIGHTEN INTAKE CAMSHAFT TIMING GEAR BOLT ASSEMBLY

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30. TEMPORARILY INSTALL CHAIN SUB-ASSEMBLY

- (a) Make sure that the chain sub-assembly is correctly pre-tensioned with the special tool 2 455 654. The pin (1) must be aligned flush with the housing (2).

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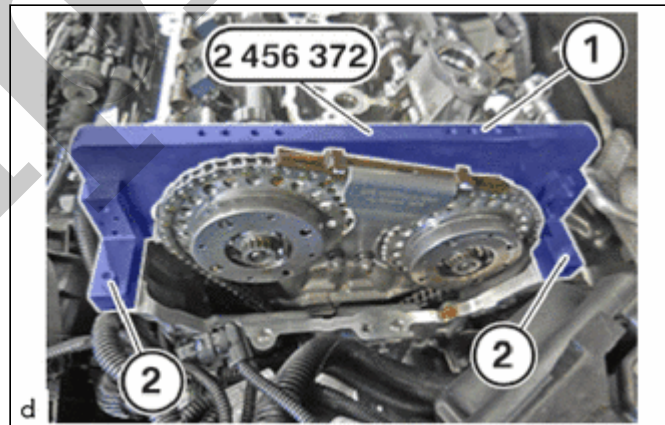


(b) Feed out the 0.5 ° setting gauge (2) from the set of special tools 2 456 372 between the exhaust camshaft sub-assembly and the basic carrier (1) and remove.

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(c) Feed out the 0.7 ° setting gauge (3) from the set of special tools 2 456 372 between the intake camshaft sub-assembly and the basic carrier (1) and remove.

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(d) Unscrew the bolts (2) from the set of special tools 2 456 372.

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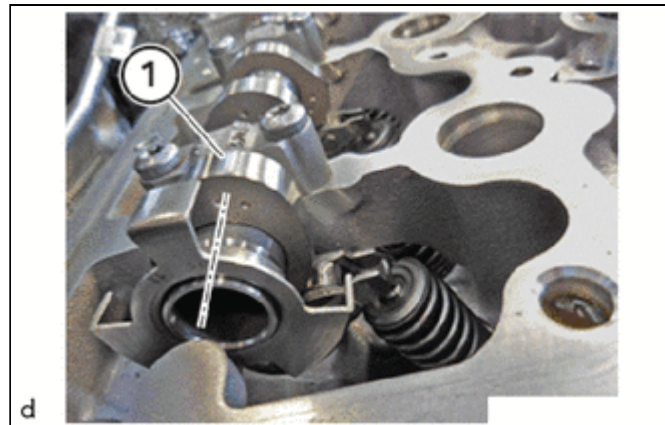
(e) Feed Thread the basic carrier (1) out of the special tool 2 456 372 and remove.

SST: 09200-WA700

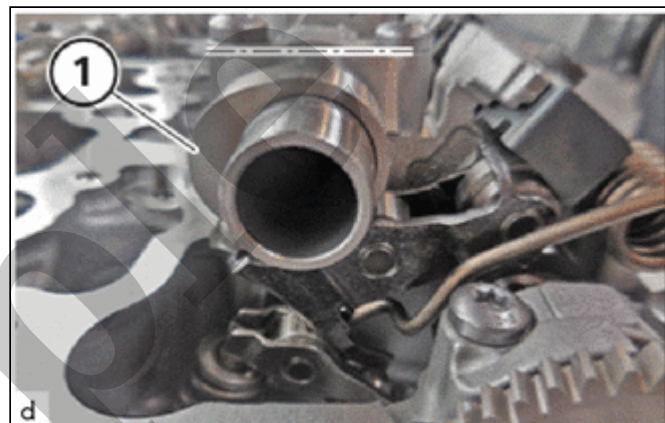


(f) Guide the special tool 2 288 380 out and remove.

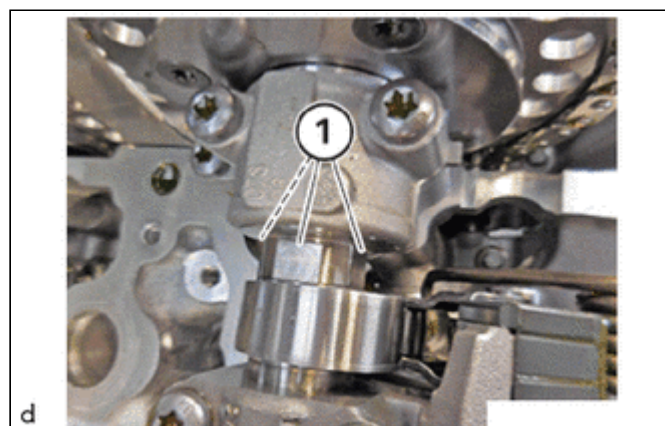
SST: 09200-WA570



- (d) Ensure that the cam (1) on the intake camshaft sub-assembly on cylinder 1 points to the inside left at an angle.



- (e) Ensure that the flattened areas (1) on the intake camshaft sub-assembly and the exhaust camshaft sub-assembly point upwards.



- (f) Position the basic carrier (1) from the set of special tools 2 456 372 on the cylinder head sub-assembly.

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