

Subject

**2AZ Piston Type (A, B, or C) Production Allocation**

Market

**USA**

Service Category

**Engine/Hybrid System**

Section

**Lubrication**

Applicability

**2AZ-FE and 2AZ-FXE Equipped Models**

**MAYBE APPLICABLE VEHICLES**

2007-2009	Camry	2006-2008	RAV4
2009-2013	Matrix	2007-2008	Solara
2009-2011	Corolla	2007-2011	Camry HV

**CONDITION**

- Based on current part order allocation, some piston types have been incorrectly identified while undergoing the ZE7 2AZ Oil Consumption repair procedure.
- Replacement pistons for ZE7 should be ordered based on the pistons removed from existing cylinder block and no longer by measurement.
- This Tech Tip includes information regarding production allocation and instructions for identifying piston type on subject engines. This will be published in the next revision of T-SB-0030-15.

**RECOMMENDATIONS**

**NOTE: When the 2AZ-FE and 2AZ-FXE engines were produced, the following piston type allocation was used: A = 4%, B = 92%, C = 4%.**

**NOTE: Although "B" pistons are the most commonly used in production, any engine can have any combination of all 3 pistons (A, B, C).**

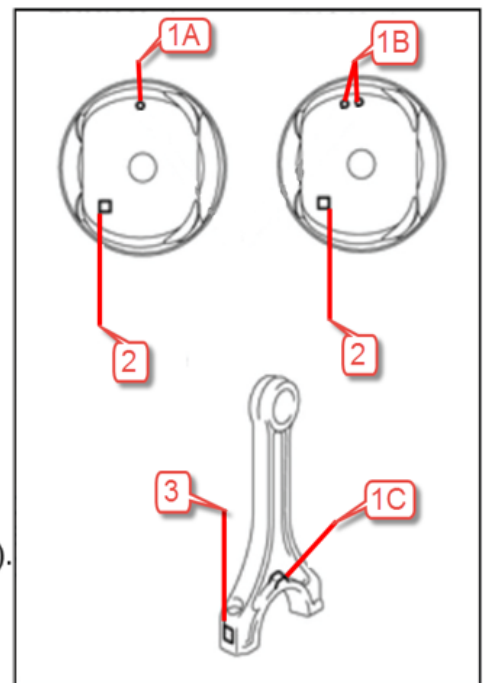
Identifying Piston Type on Subject Engines:

- 1.) Remove piston from cylinder block and inspect markings for piston type (A, B, or C).

<b>1A</b>	Front Mark on TMMK Made Piston
<b>1B</b>	Front Mark on TMC Made Piston
<b>1C</b>	Front Mark on All Connecting Rods
<b>2</b>	Piston Pin Bore Diameter Mark
<b>3</b>	Connecting Rod

- 2.) Due to carbon build up, piston face may need to be cleaned before reading designated piston type. If piston type cannot be found on piston, reference connecting rod.
- 3.) Measure piston pin and connecting rod to confirm diameters match specification for corresponding piston type (A, B, or C). If they do match, then replace part with correct type.

**NOTE: Piston, Pin and Connecting Rod Type is a matched set. Type will be the same for all 3 parts (A, B, or C).**



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**LINK REFERENCES**

This Tech Tip does not contain any link references