

Subject

ZE7 Best Practice - Additional Dowel Pins Required For New Shortblocks

Market

USA

Service Category

Vehicle Interior

Section

Meter/Gauge/Display

Applicability

Eligible Vehicles for ZE7 SPA

APPLICABLE VEHICLES

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

CONDITION

In certain cases, vehicles undergoing the ZE7 AZ Oil Consumption repair procedure will require a short block replacement.

Currently, when a new short block assembly is ordered for a vehicle, dowels pins connecting the short block to the crankcase stiffener are not present.

If you are performing a short block replacement under ZE7, please order the following parts in addition to the short block, and install in the new short block upon receipt.

Part Number	Description	Qty. Required Per Repair
90250-08074	Pin, Dowel Cylinder Head	1 Package (2 pieces)

These changes will be reflected in the next revision of the Technical Service Bulletin (TSB).

Installation locations are shown below.

RECOMMENDATIONS

Install dowel pins type "B" in new short block before reassembling engine.

Picture located on following page.

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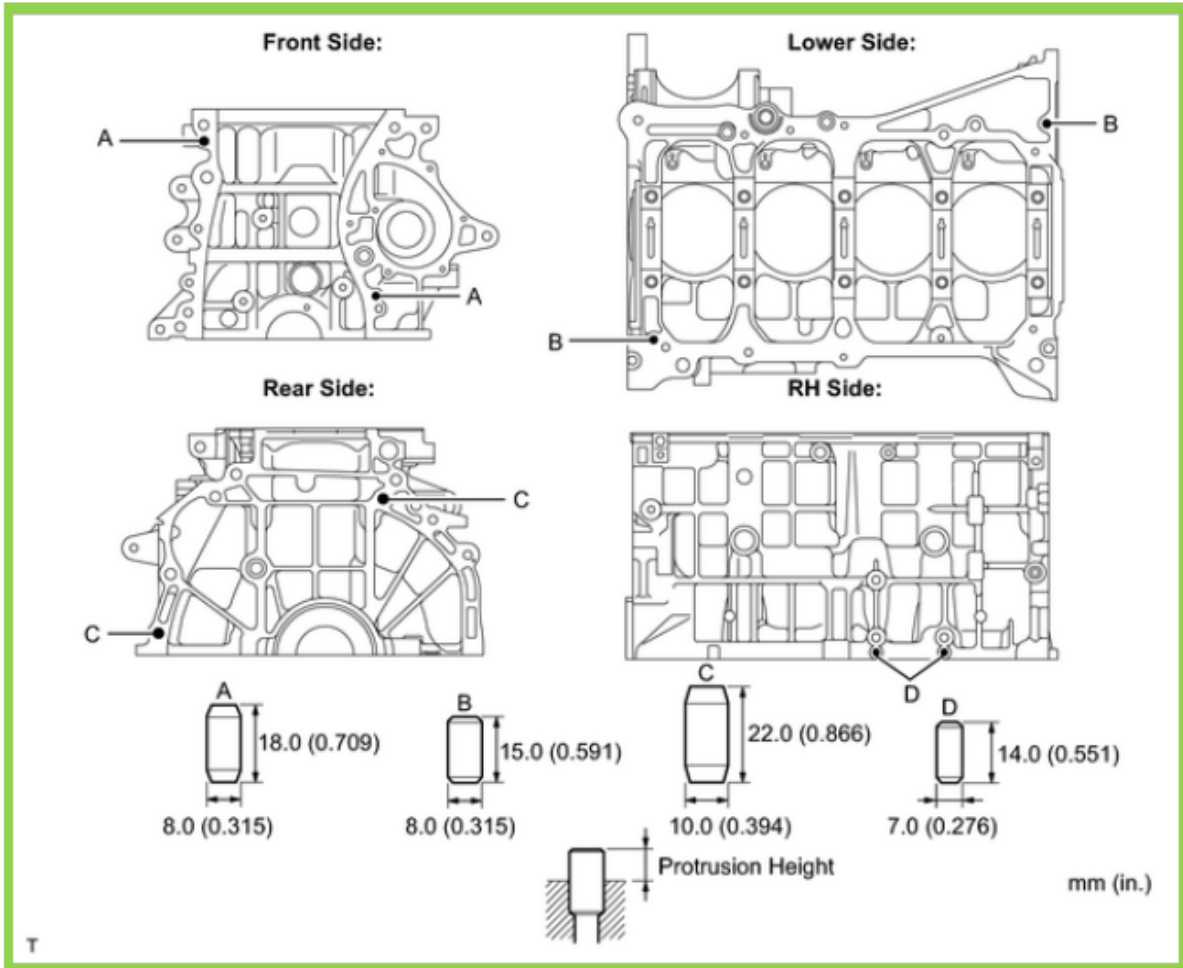
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RECOMMENDATIONS

3. INSTALL STRAIGHT PIN

(a) Using a plastic hammer, tap into the straight pin.



Standard protrusion:

ITEM	PROTRUSION
Pin A	8 mm (0.315 in.)
Pin B	7.5 mm (0.295 in.)
Pin C	12 mm (0.472 in.)
Pin D	5 mm (0.197 in.)

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LINK REFERENCES

This Tech Tip does not contain any link references