TOYOTA SERVICE BULLETIN

Group: 01 No.: 03 Date: Mar, 18

Model: RAV4

Subject: Corrections to Repair Manual RM01N3E

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

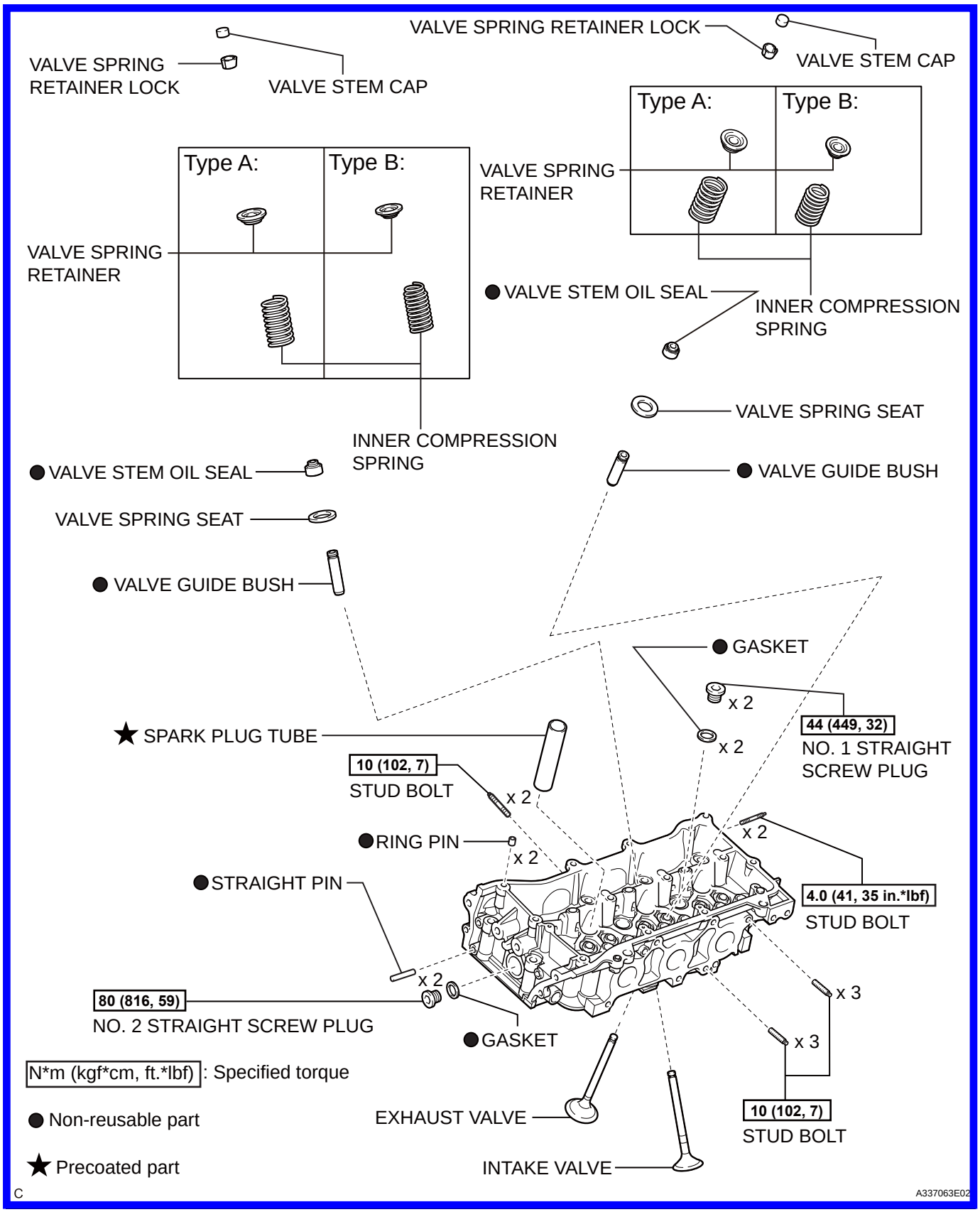
Section	Title	Paragraph
2GR-FE ENGINE MECHANICAL	ENGINE UNIT	COMPONENTS
		REASSEMBLY

The revised pages listed above are attached.

(The corrected parts are indicated by arrows.)

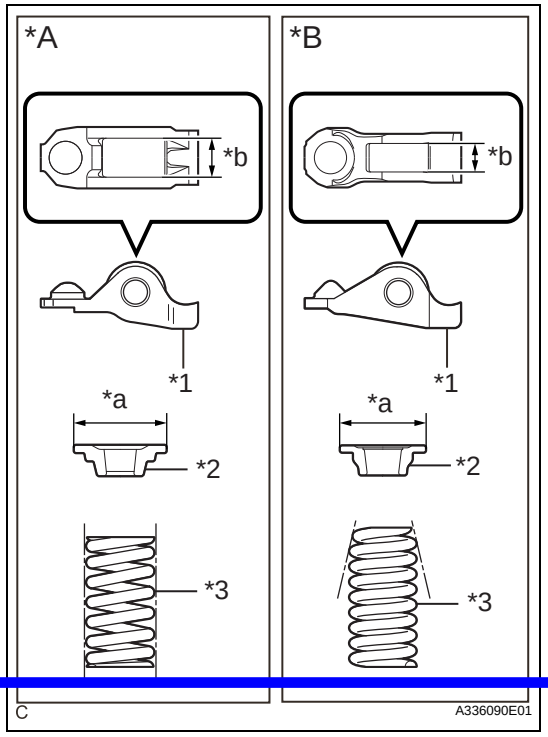
This bulletin does not cause the Flat Rate Manual to be changed

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[Corrected]

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- There are 2 types of No. 1 valve rocker arm sub-assemblies, inner compression springs and valve spring retainers. The 2 types are not interchangeable.

Text in Illustration

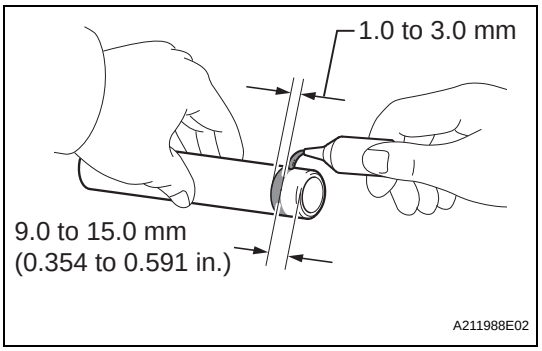
*A	Type A
*B	Type B
*1	No. 1 Valve Rocker Arm Sub-assembly
*2	Valve Spring Retainer
*3	Inner Compression Spring
*a	Valve Spring Retainer Diameter
*b	No. 1 Valve Rocker Arm Sub-assembly Roller Width

Type	No. 1 Valve Rocker Arm Sub-assembly Roller Width	Valve Spring Retainer Diameter	Inner Compression Spring Shape
A	10.7 mm (0.421 in.)	23.4 mm (0.921 in.)	Straight
B	8.0 mm (0.315 in.)	18.9 mm (0.744 in.)	Taper

1. INSTALL SPARK PLUG TUBE

HINT:

When using a new cylinder head, the spark plug tubes must be replaced.



(a) Apply adhesive onto the shaded area of a new spark plug tube.

Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent.

Standard application width:

1.0 to 3.0 mm (0.0394 to 0.118 in.)

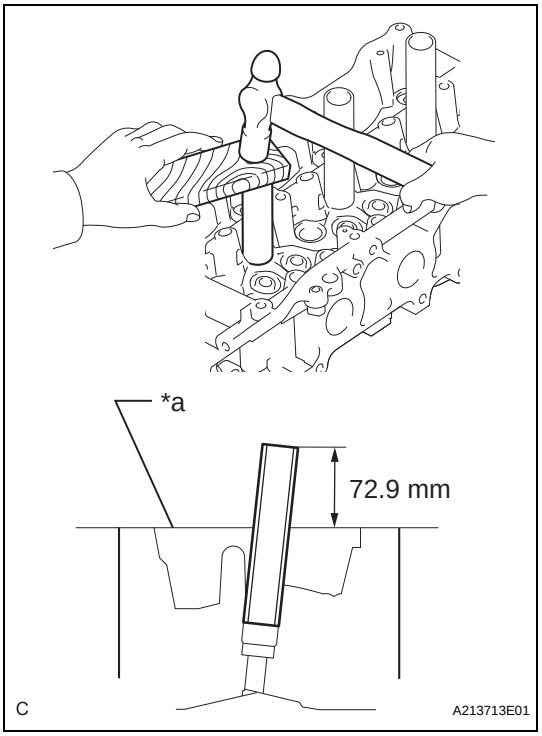
NOTICE:

- **Install the spark plug tube within 3 minutes after applying adhesive.**
- **Be careful not to deform the spark plug tube.**
- **Be careful not to expose the seal to engine oil for at least 1 hour after installing it.**

[Added]

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EM



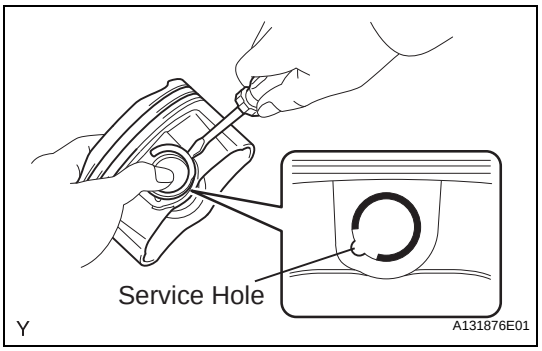
(b) Using a wooden block and hammer, tap in the spark plug tube to the specified protrusion height.

Text in Illustration

*a	Cylinder Head Top Surface

Standard protrusion height:
72.9 mm (2.87 in.)

NOTICE:
To avoid tapping in the spark plug tube too far, measure the protrusion height while tapping it.

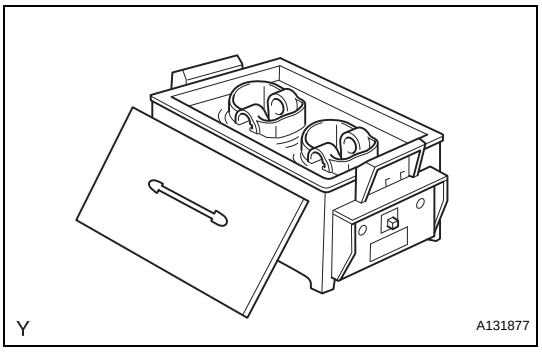


2. INSTALL PISTON WITH PIN SUB-ASSEMBLY

[Added]

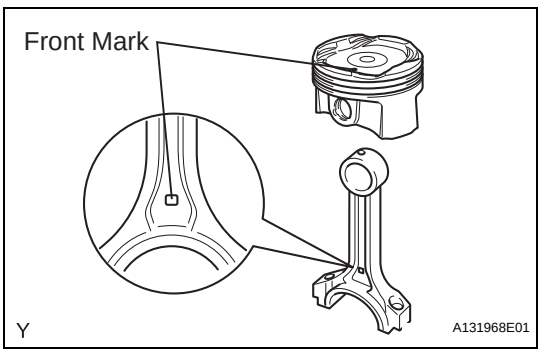
(a) Using a screwdriver, install a new snap ring at one end of the piston pin hole.

HINT:
Be sure that the end gap of the snap ring is not aligned with the pin hole cutout portion of the piston.



(b) Gradually heat the piston to approximately 80°C (176°F).

(c) Coat the piston pin with engine oil.



(d) Align the front marks of the piston and connecting rod, and push in the piston pin with your thumb.

HINT:
The piston and pin are a matched set.

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