Group:	SERVICE MANUAL UPDATE
Bulletin No:	SB-16-027
Issue Date:	10-19-2016

Subject: REVISION OF WORKSHOP MANUAL FOR J08 ENGINES Change in Tightening Torque for Rocker Arm Support Bolt

RELEVANT ENGINE MODEL: J08E Engine

The following is to inform you of the above caption. This service data should be attached to the relevant pages of the workshop manuals for maintenance and to use for servicing.

OVERVIEW:

Change in tightening torque and tightening method of the rocker arm support bolt.

RELEVANT MANUALS:

Workshop manual for J08E engine.

	Current	New
Tightening Torque	59 Nm (43 lb-ft)	45 Nm (33 lb-ft)
Tightening Method	-	Apply engine oil to the seat surface and thread of the bolt.





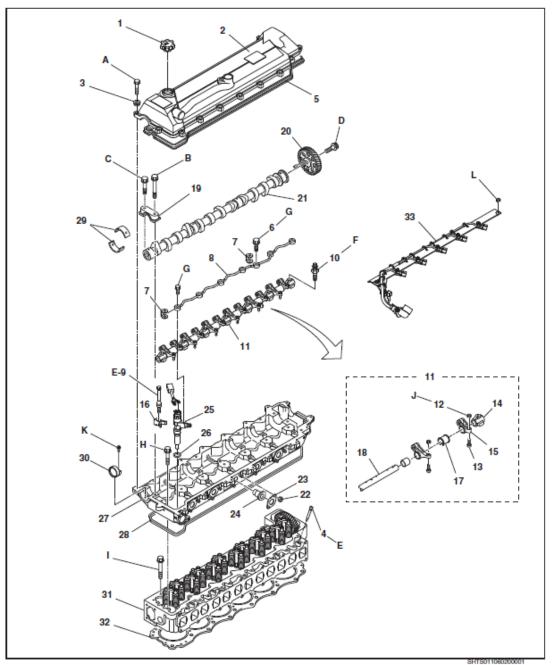
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EN02-2 ENGINE MECHANICAL (J08E)

CYLINDER HEAD

COMPONENT LOCATOR

EN0110602D100001







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ENGINE MECHANICAL (J08E)

EN02-3

1	Oil filler cap	18	Valve rocker shaft
2	Cylinder head cover	19	Camshaft bearing cap
3	Silent block	20	Camshaft gear
4	Heater plug	21	Camshaft
5	Head cover gasket	22	Nut
6	Union bolt	23	Plate
7	Gasket	24	Injection pipe oil seal
8	Leakage pipe	25	Injector
9	Injector clamp bolt	26	O-ring
10	Rocker arm support bolt	27	Camshaft housing
11	Rocker arm assembly	28	Camshaft housing gasket
12	Lock nut	29	Camshaft bearing
13	Adjust screw	30	Plug
14	Rocker arm support	31	Cylinder head assembly
15	Rocker arm	32	Cylinder head gasket
16	Injector clamp	33	Harness assy
17	Collar		

Tightening torque

Unit: N·m {kgf·cm, lbf·ft}

Tightening torque			
Α	28.5 {290, 21}	G	12.3 {126, 9}
В	31 {320, 23}	н	28.5 {290, 21}
С	31 {320, 23}	ı	59 {600, 43.4}+90°+90°#
D	59 {600, 43.4}+90°#	J	25 {250, 18.1}
E	25 {250, 18.1}	K	6 {60, 4.3}
F	59 (600, 43.4) 45 (459, 33.2) #	L	25 {250, 18.1}

#=Apply oil to the threads and seat surfaces before tightening.

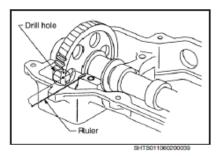




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EN02-14

ENGINE MECHANICAL (J08E)



INSTALL THE CAMSHAFT.

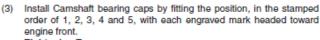
Align the mark on the flywheel with the flywheel housing pointer to set the No. 1 piston to top dead center of the compression stroke.

Engine adjustment - Refer to "PREPARATION OF CHECKING AND ADJUSTMENT".

Install the camshaft into the cam housing.

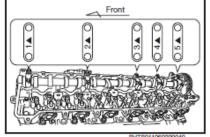
NOTICE

Two drill holes on the camshaft gear should be located at left side and lower drill hole should match with the camshaft housing upper sur-



Tightening Torque:

31 N·m {320 kgf·cm, 23 lbf·ft}

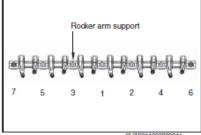


INSTALL THE ROCKER ARM ASSEMBLY.

(1) Make sure that the cross head is on each valve.

NOTICE

If the cross head is assembled whilst off the valve, the upper seat will be pressed, resulting in a loose valve.



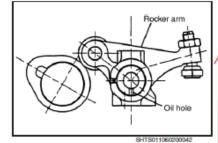
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Make sure that the adjusting screw at the end of the rocker arm is completely screwed in.

Tighten the rocker arm support bolt as shown in the figure to the spec-

NOTICE

Make sure the oil hole is placed below.



ified torque. **Tightening Torque:**

59 N·m {600 kgf·cm, 43.4 lbf·ft}

459 45 33.2

Tighten the injector clamp bolt to the specified torque.

Tightening Torque: 25 N·m {250 kgf·cm, 18.1 lbf·ft}

(6)

- Make sure that the rocker arm moves smoothly.
- (3) Apply engine oil to the seat surface and thread of the rocker arm mounting bolt and tighten the bolt by 1 or 2 threads with hand to set the position.



