

Installation

1. Apply engine oil to the valve lifters to replace them to the respectively removed position.
2. Install the camshaft in the cylinder head.
 - Before installing, apply engine oil to the bearing part of the camshaft brackets, the circumference of the cams, the circumference of the journals, and the thrust surfaces of the camshaft.
 - Identification of the camshaft is shown in the following table.

Item		Intake	Exhaust
Groove at the rear end of the camshaft for driving the distributor		Not provided	Provided
Identification color	CG10	Orange	Brown
	CG13	White	Yellow

3. Install the camshaft brackets.

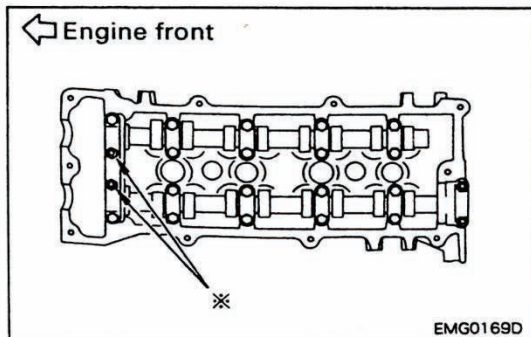
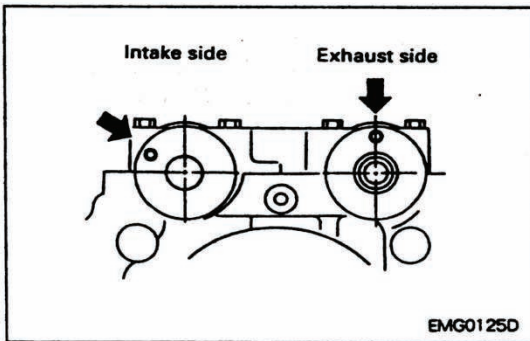
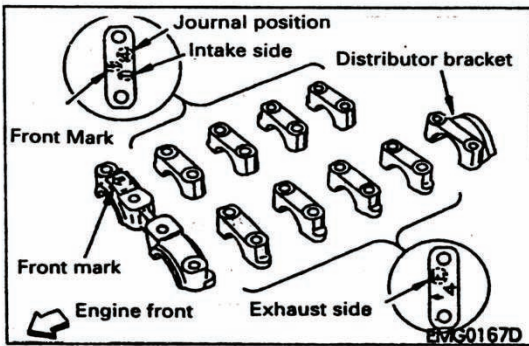
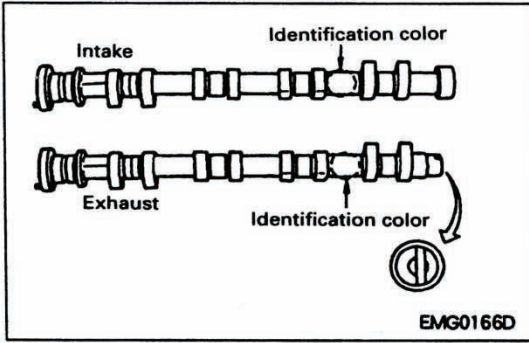
Identification of the camshaft bracket No.2-5 is shown in the following table.

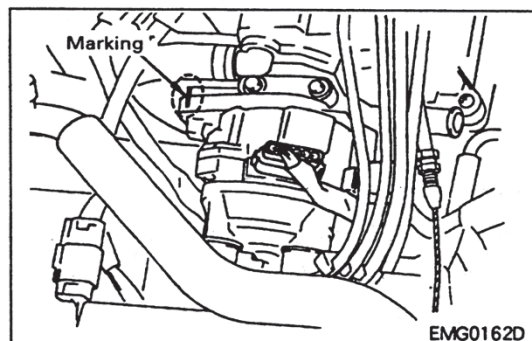
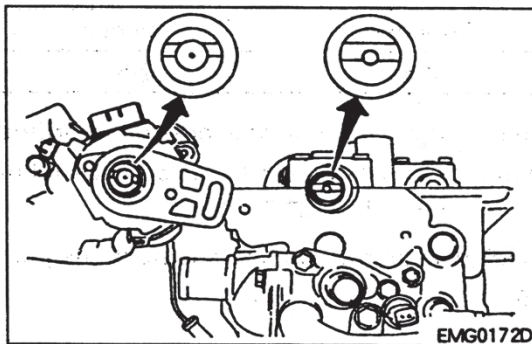
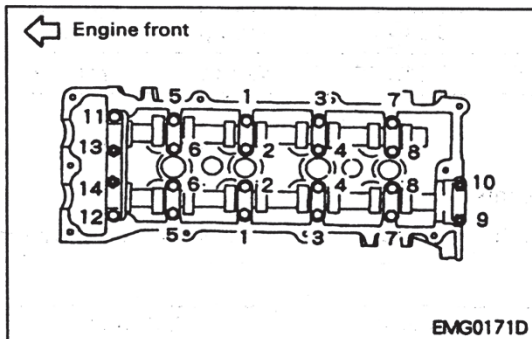
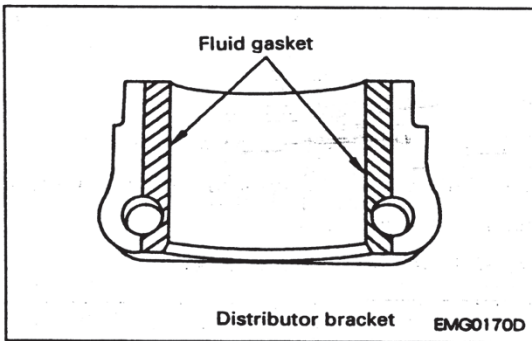
Item	Intake	Exhaust
Identification mark	I	E
Front mark	Provided	Provided
Position mark	2-5	2-5

- Each figure used for the position mark corresponds to the ordinal number of the camshaft journals. Install them to the corresponding number of the journal.
- Assemble so that the knock pins on the camshaft come to the positions illustrated in the left.

4. Install the camshaft brackets.

Precaution: Because the 2 bolts in the front at center (* Mark) are not the reamer bolt like the other fitting bolts on the camshaft bracket, distinguish them.





Installation (Continued)

5. Install the distributor.

(1) Take away any fluid gasket adhered on the distributor bracket using a scraper.

- Wipe the fitting surface with white gasoline or other.
- Clean the fitting surface of the cylinder head side, too.

(2) Apply fluid gasket (KP510 00150 or equivalent) to the surface fitting with the cylinder head.

- After fluid gasket applied, install within 5 minutes.
- After installation, leave more than 30 minutes to operate.

6. Tighten the fitting bolts on the camshaft bracket in the following manner.

(1) After tightening 11-14 in the order of the figures with 2N-m (0.2kg-m), tighten 1-10 in the order of the figures, too.

(2) Tighten 1-14 in the order of the figures with 5.9N-m (0.6kg-m).

(3) Tighten 1-14 in the order of the figures with 9.0-12N-m (0.92-1.2kg-m).

7. Install the upper timing chain. Refer to "Upper Timing Chain".

8. Apply engine oil to the coupling part of the distributor and the inserting part of the cylinder head.

- Replace O-ring with new one.

9. Align the projection part on the distributor with the notch on the camshaft to install.

Reference: Because the notch and projection parts are eccentric to each other, they can be installed in one way only.

10. After aligning to the position marked before removing, tighten the fitting bolt.

Tightening torque (N-m (kg-m)): 9.1-12 (0.93-1.2)

11. After this, install in the reverse order of removal.

12. Adjust the valve clearance. Refer to "Valve Clearance Adjustment".

13. Adjust ignition timing.