

## CAMSHAFT [SKYACTIV-D 2.2]

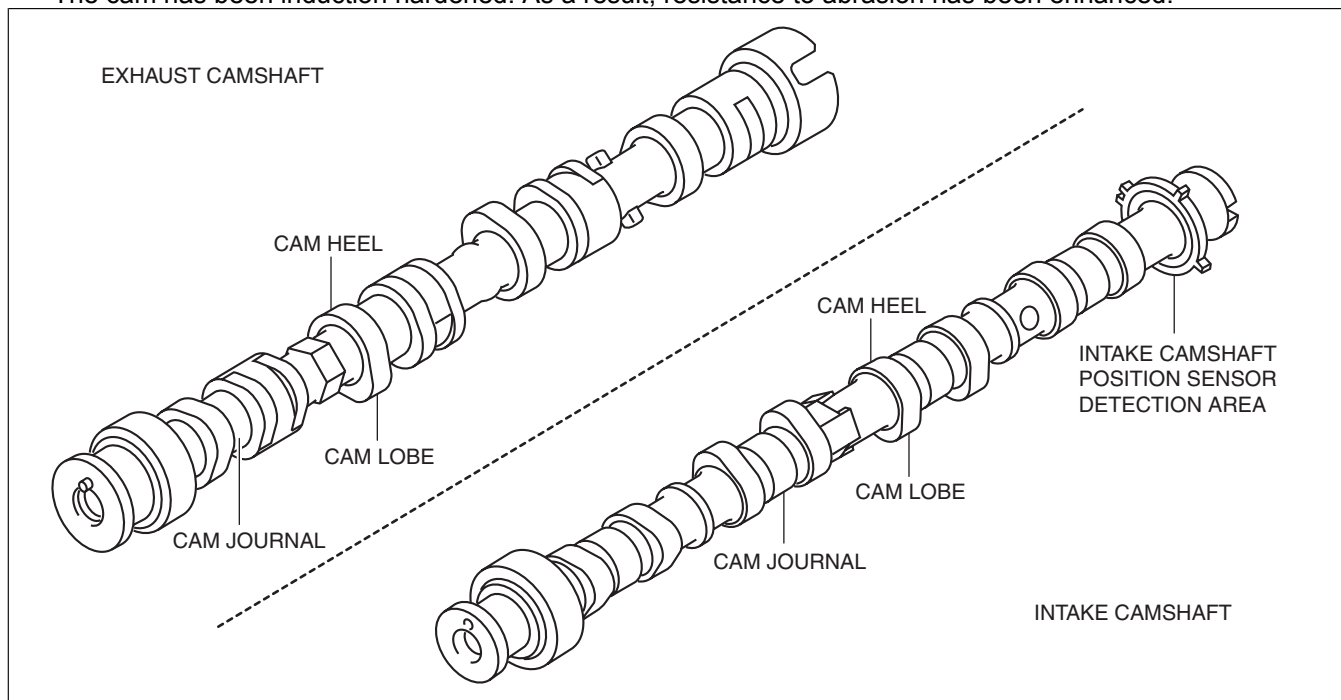
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### Purpose, Function

- The camshaft is rotated by receiving the rotation force of the crankshaft via the timing chain. The valve is opened and closed according to the cam shape at this time.

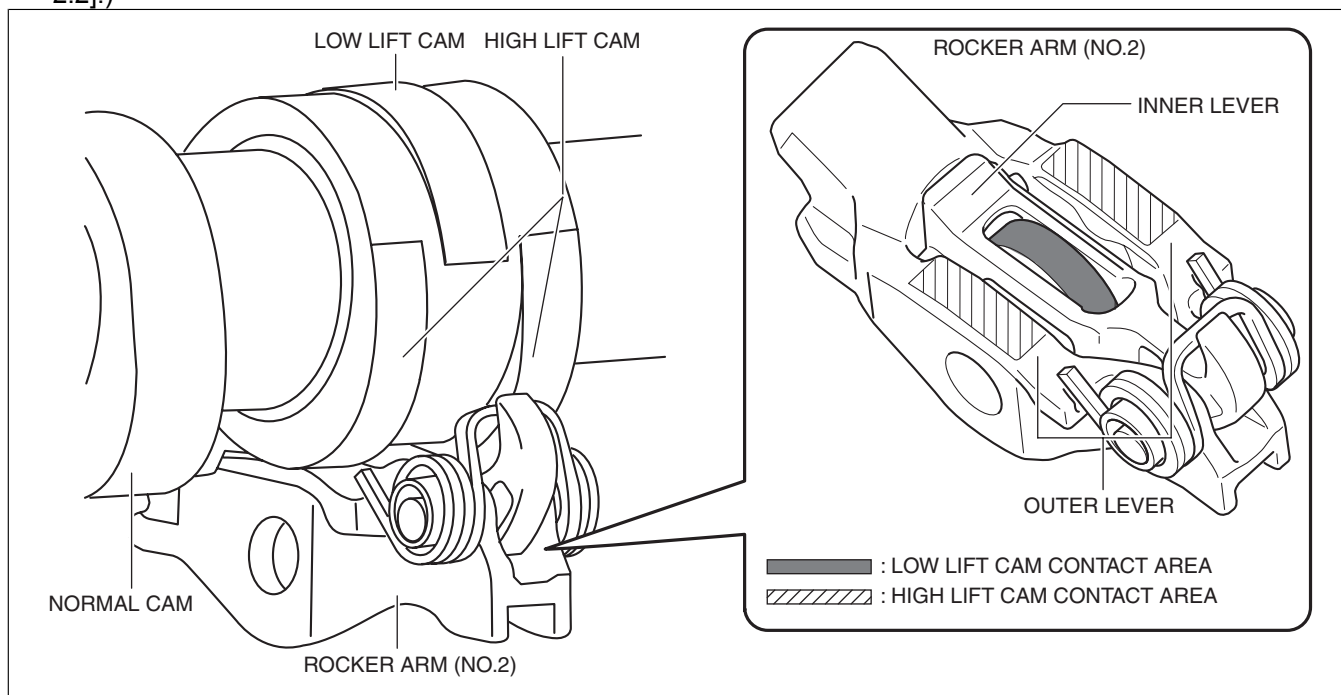
### Construction

- The camshaft is installed to the cylinder head.
- The cam has been induction hardened. As a result, resistance to abrasion has been enhanced.



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- The exhaust camshaft uses three types of cams (normal cam, high lift cam, low lift cam) with different shapes.
- The normal cam presses the rocker arm (No.1) down, and the high lift cam and low lift cam press the rocker arm (No.2) down. (See HYDRAULIC LASH ADJUSTER, ROCKER ARM [SKYACTIV-D 2.2].)
- The phase of the low lift cam deviates because the exhaust valve opens (IDEVA) two times during 1 cycle. (See INTAKE STROKE EGR USING DOUBLE EXHAUST VALVE ACTUATION SYSTEM (IDEVA) [SKYACTIV-D 2.2].)



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Valve timing

