

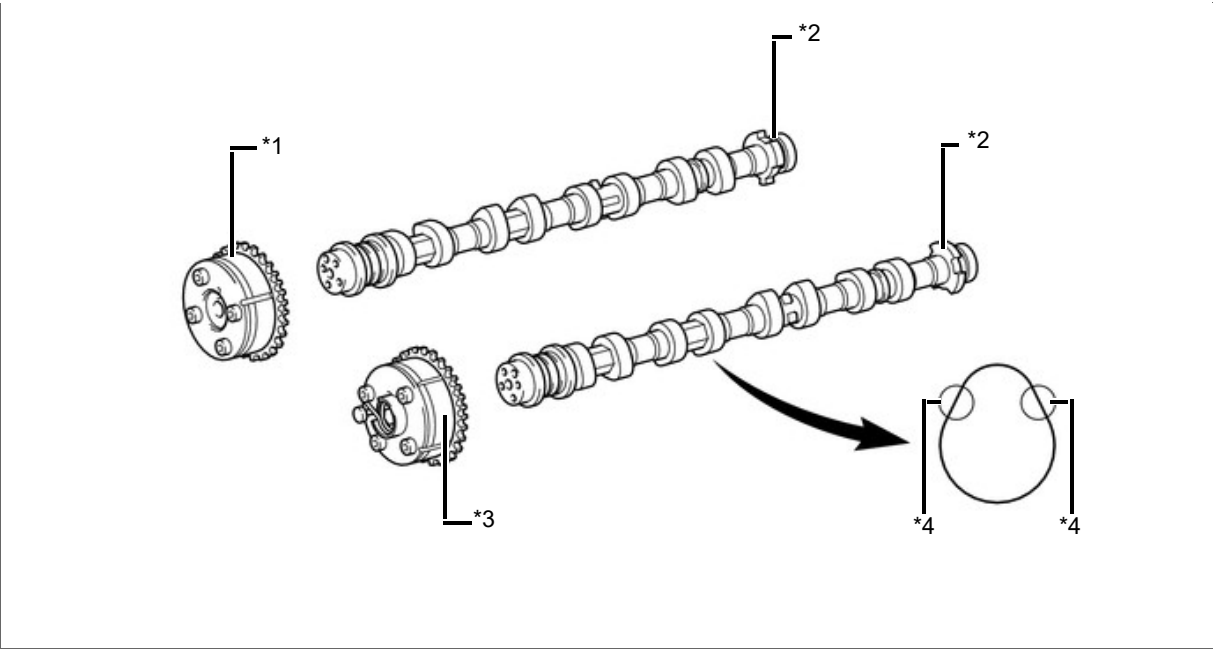
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2AR-FE ENGINE MECHANICAL ENGINE UNIT DETAILS CAMSHAFT

CONSTRUCTION

- a. The camshafts are made of cast iron alloy.
- b. Oil passages are provided in the intake and exhaust camshafts in order to supply engine oil to the VVT-i system.
- c. A camshaft timing gear assembly and camshaft timing exhaust gear assembly are installed on the front of their respective camshafts to vary the timing of the intake and exhaust valves.
- d. Together with the use of the No. 1 valve rocker arm sub-assemblies, the cam profile is modified. This results in increased valve lift when the valve begins to open and as it finishes closing, helping to achieve enhanced output performance.



*1	Camshaft Timing Gear Assembly	*2	Timing Rotor
*3	Camshaft Timing Exhaust Gear Assembly	*4	Modified Portion of Cam Profile