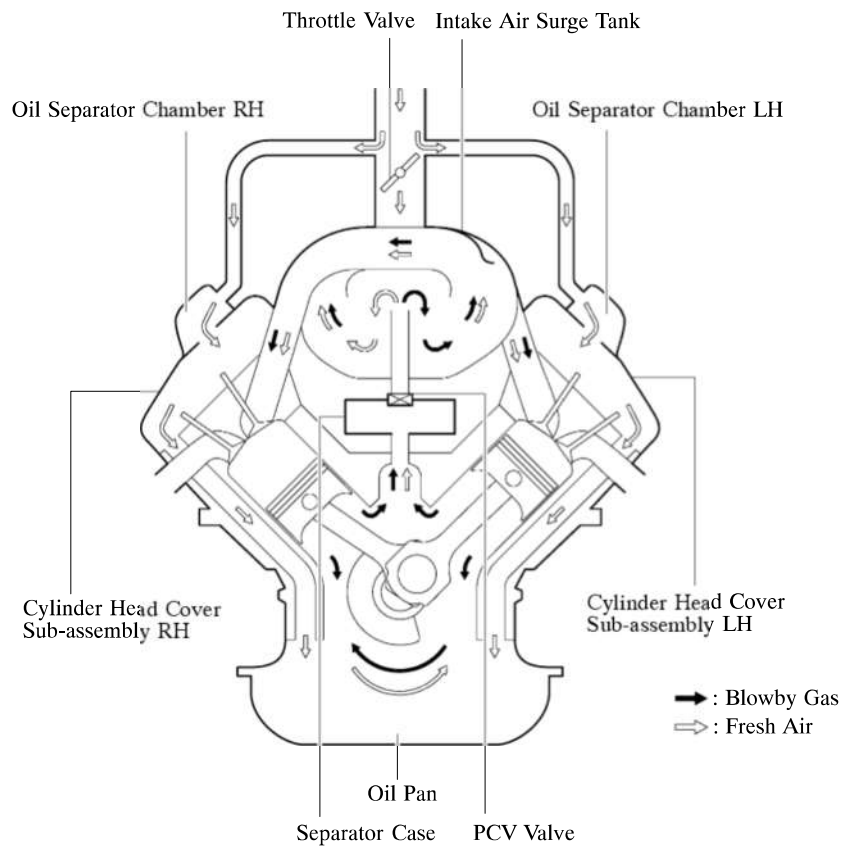


■ BLOWBY GAS VENTILATION SYSTEM

1. General

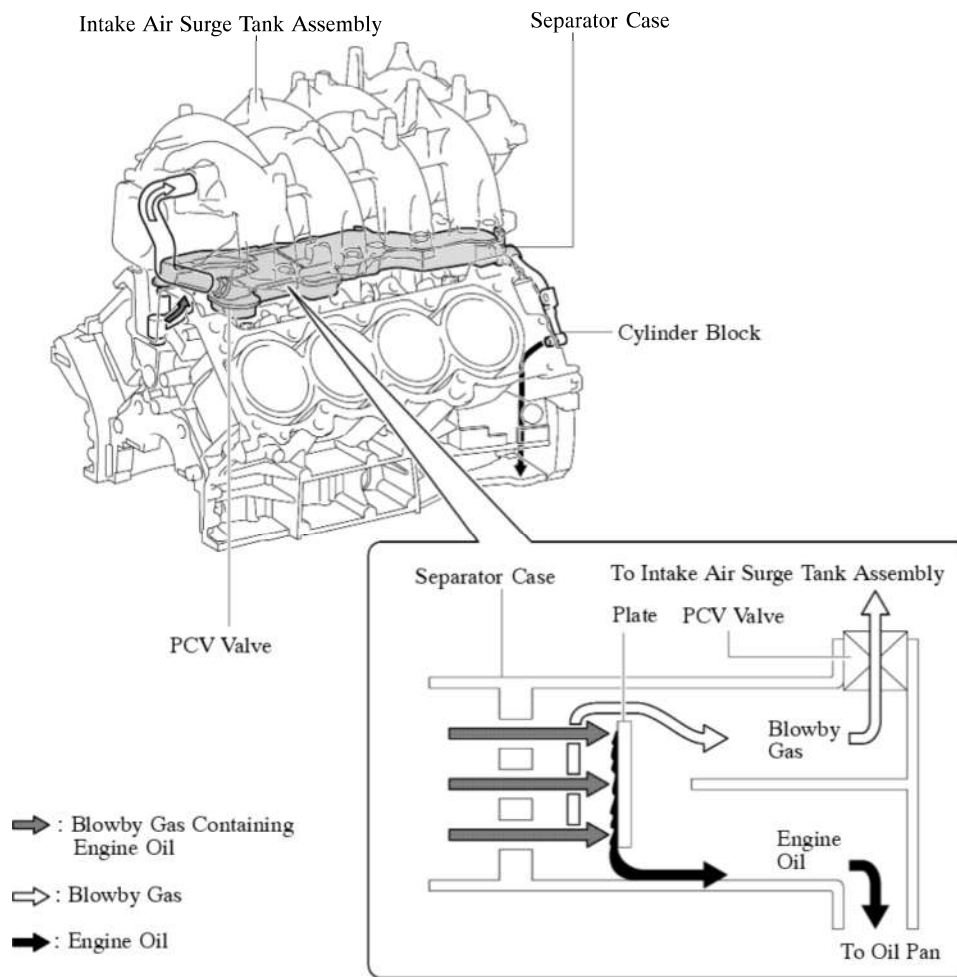
- The oil separator chambers in the cylinder head cover sub-assemblies have been made compact through the use of a separator case. This contributes to making the entire engine compact.
- It draws fresh air from the left and right cylinder head cover sub-assemblies to improve the ventilation inside the engine and improve the deterioration resistance of the engine oil.



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2. Separator Case

- A plastic separator case is provided between the cylinder block and the intake air surge tank assembly in order to separate the engine oil that is included in the blowby gas.
- An inertial impaction system is used in the construction for separating the engine oil in the separator case. Blowby gas that contains engine oil hits the plate, causing the engine oil to adhere to and accumulate on the plate. Then, the oil drips down by way of gravity. Thus, this system efficiently separates the engine oil from the blowby gas. This improves the capture ratio of the engine oil and reduces the amount of engine oil consumption.



Cross-Sectional Image of Separator Case