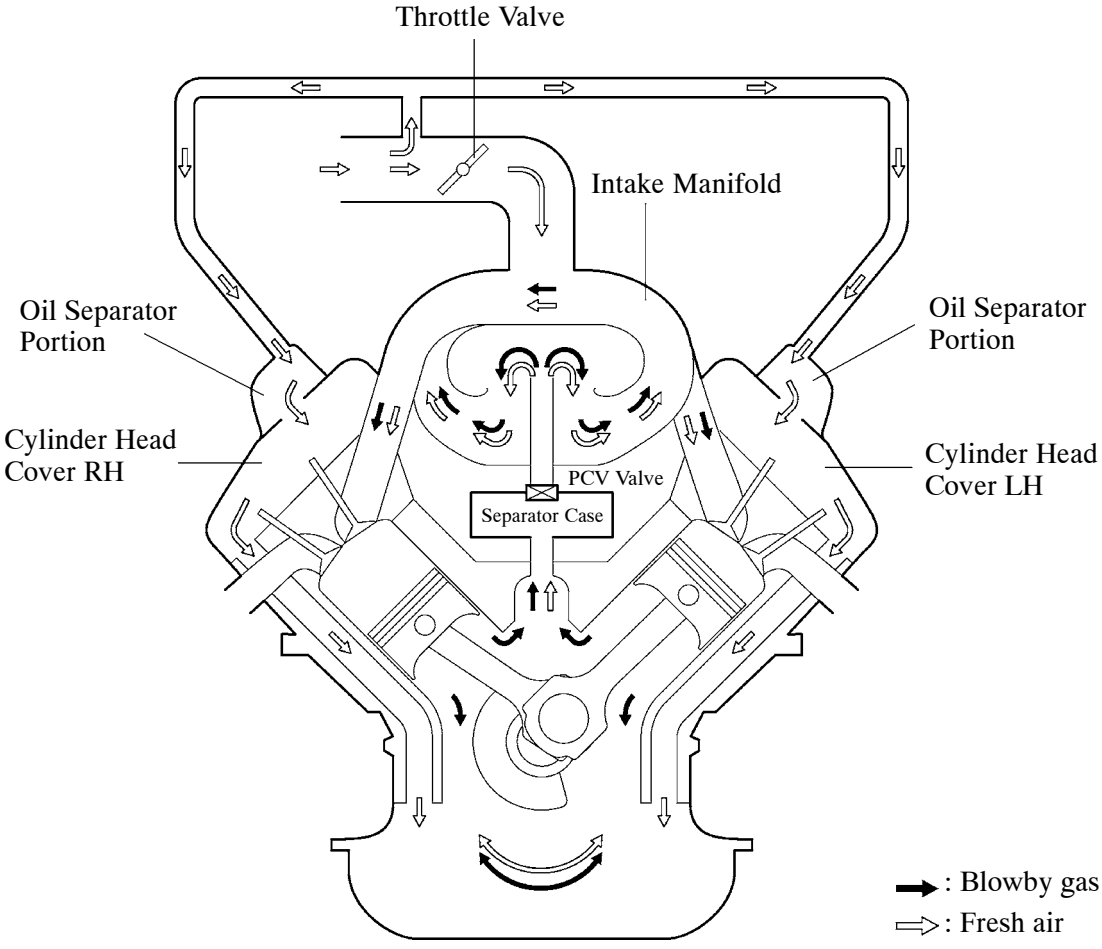
■BLOWBY GAS VENTILATION SYSTEM

1. General

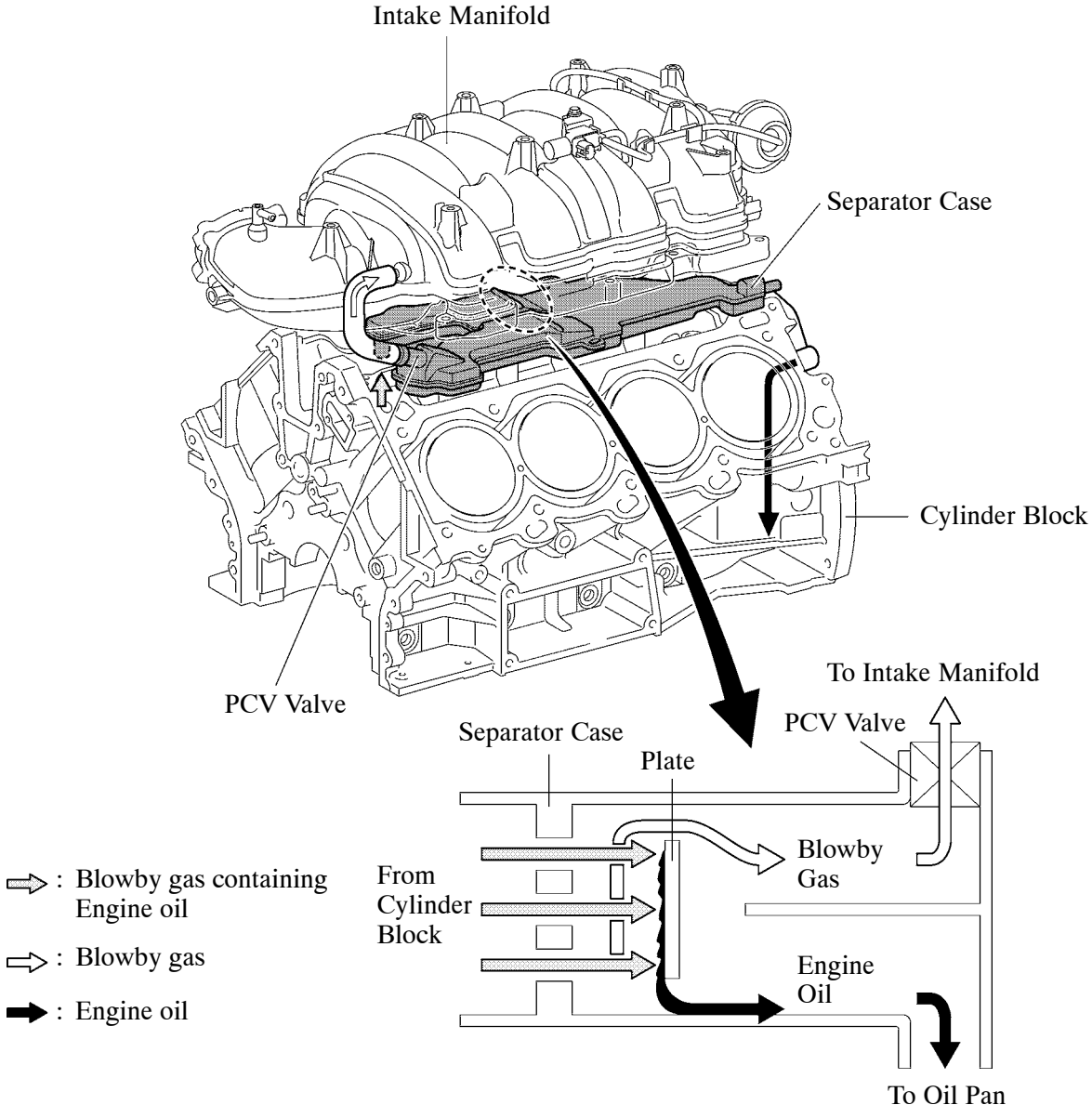
- The oil separator portion of the cylinder head covers has been made compact through the use of an independent separator case. This contributes to making the entire engine compact.
- Fresh air is drawn from the right and left bank cylinder head covers to improve the ventilation inside the engine and improve the deterioration resistance of the engine oil.



04E1EG45C

2. Separator Case

- A plastic separator case is provided between the cylinder block and the intake manifold in order to separate the engine oil included in the blowby gas.
- An inertial impaction system is used in the construction for separating the engine oil in the separator case. The blowby gas that contains engine oil hits the plate, thus causing the engine oil to adhere 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 rate of the collection of the engine oil and reduces the amount of engine oil consumption.



Cross-sectional Image of Separator Case 04E1EG46C