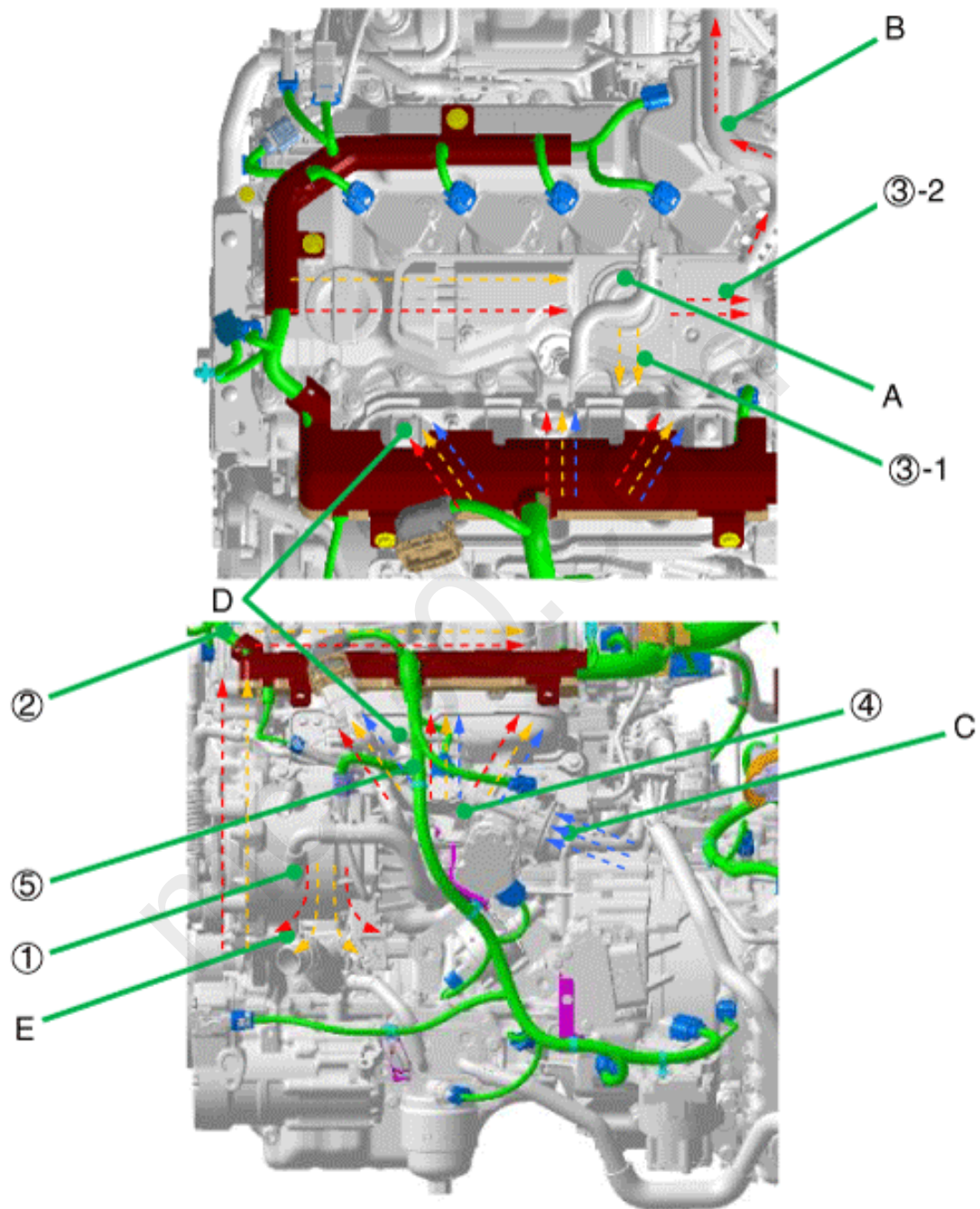
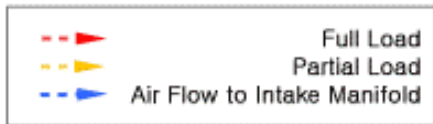


Description



A : Crankcase pressure regulating valve (PRV)

B : Breather hose

C : Air flow

D : Intake manifold

E : Cylinder block

① Blow-by gas flow

② Blow-by gas inflow to the cylinder head cover through the cylinder block & head & chain cover

③-1 In the partial load area, blow-by gas inflow to the intake manifold through the PRV valve which in the head cover.

- ③-2 In the full load area, blow-by gas inflow to the intake hose through the PRV valve which in the head cover.
- ④ Mix of intake hose and blow-by gas. Blow-by gas is circulated by the ③-1, ③-2 procedure.
- ⑤ Combustion the air-flow mixture.

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Description

Pressure Regulating Valve (PRV) is installed to prevent the over pressure of combustion gas through the piston ring and onto the crankcase.

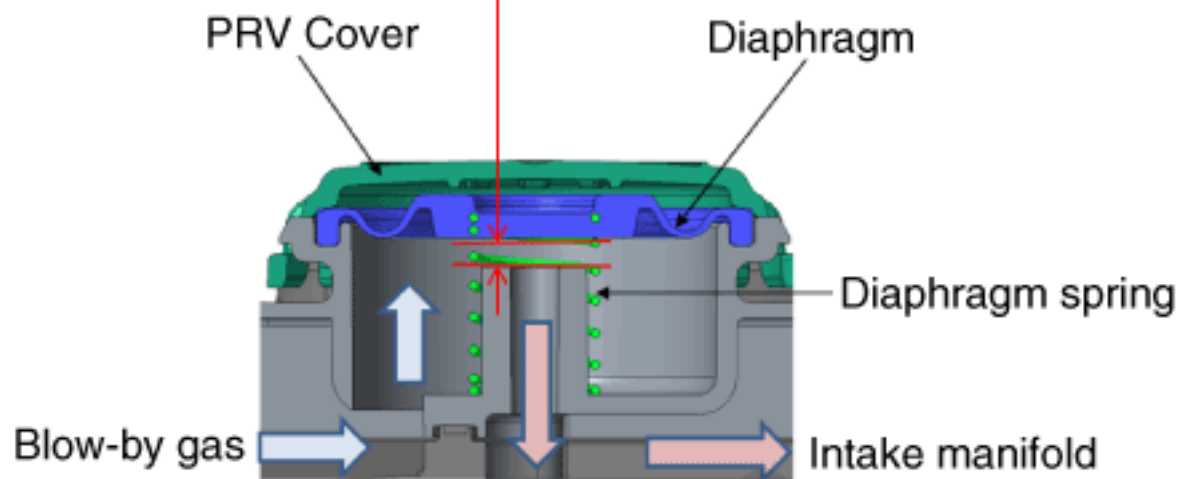


Operation
Principle

Engine condition	Stop	Idle or Deceleration	Normal operating condition	Accelerating in the high load area
Intake manifold pressure	0	High	Appropriate	Low
PRV (Diaphragm)	Full open	A little open	Appropriate open	Considerable open
Amount of blow-by gas	0	A little	Middle	A lot

Diaphragm
component
part

Changing amount of blow-by gas by intake manifold pressure



Removal

1. Remove the cylinder head cover.

(Refer to Engine Mechanical System - "Cylinder Head Cover")

Installation

1. Install in the reverse order of removal.

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