

## CONDENSER

id071100310500

### Purpose

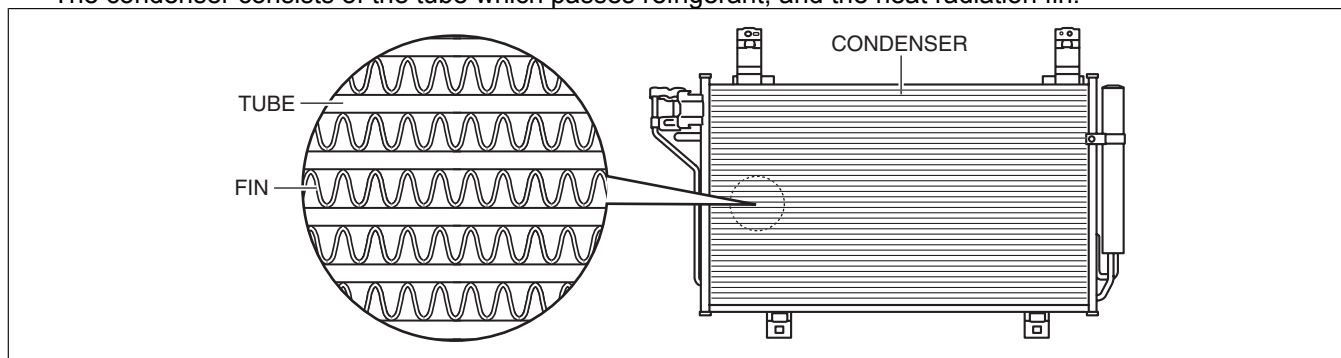
- The condenser cools the high-temperature, highly pressurized refrigerant.

### Function

- The condenser cools the high-temperature, highly pressurized gaseous refrigerant compressed by the A/C compressor using the outside air, and changes it to liquid refrigerant.

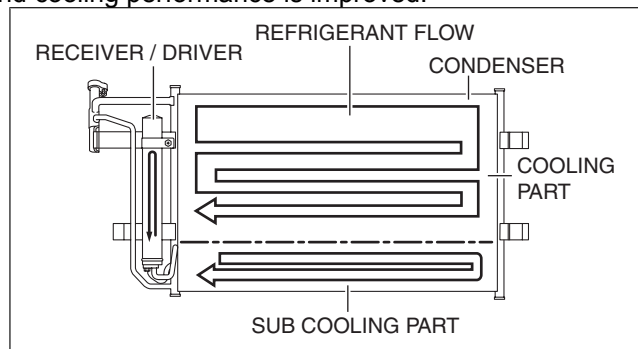
### Construction

- The condenser is installed to the front of the radiator.
- The condenser consists of the tube which passes refrigerant, and the heat radiation fin.



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- A sub-cooling condenser has been adopted.
- The sub-cooling condenser is integrated with the multi-flow condenser and the receiver driver.
- The sub-cooling condenser separates the refrigerant, cooled once by the condenser, into vapor and liquid using the receiver/drier, and by returning it to the sub-cooling part of the condenser again to cool.
- As a result, liquefaction of the refrigerant is promoted and cooling performance is improved.



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### Operation

- The high-temperature, highly pressurized gaseous refrigerant sent from the A/C compressor passes through the tube in the condenser.
- When the air blown from the outside is exposed to the heat radiation fin, the heat of the refrigerant is captured by heat exchange, and the refrigerant changes from a gas to a liquid.
- The liquid refrigerant is sent to the expansion valve via the receiver/drier.

### Fail-safe

- Function not equipped.