

4-7 [M4A0]**4. Receiver Drier****MECHANISM AND FUNCTION****4. Receiver Drier****A: MECHANISM**

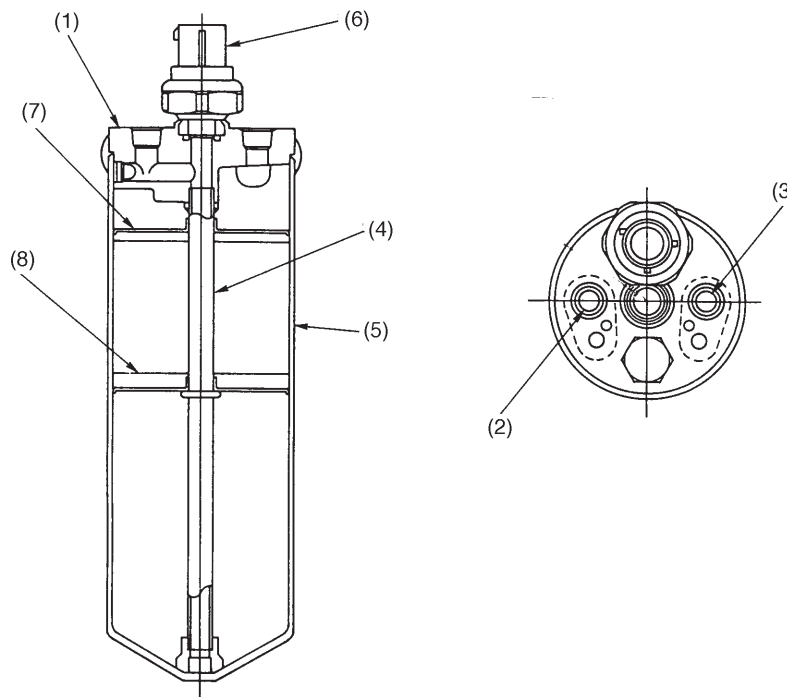
The amount of refrigerant circulating varies with the heat load changes. The receiver drier supplies the amount of refrigerant necessary for the cycle according to such changes.

1) It removes bubbles from the condensed refrigerant so that only liquid refrigerant may be delivered to the expansion valve. (If bubbles are present, the refrigerant passing through the expansion valve varies in quantity, temperature, and pressure, resulting in insufficient cooling.)

2) It removes moisture from the refrigerant.

3) It removes foreign substance from the refrigerant.

The receiver-drier consists of a strainer to remove foreign substance, desiccant to absorb moisture from refrigerant.



(1) Head block – flat

(2) Inlet

(3) Outlet

(4) Inside pipe

(5) Body

(6) Dual switch

(7) Strainer

(8) Cushion strainer

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