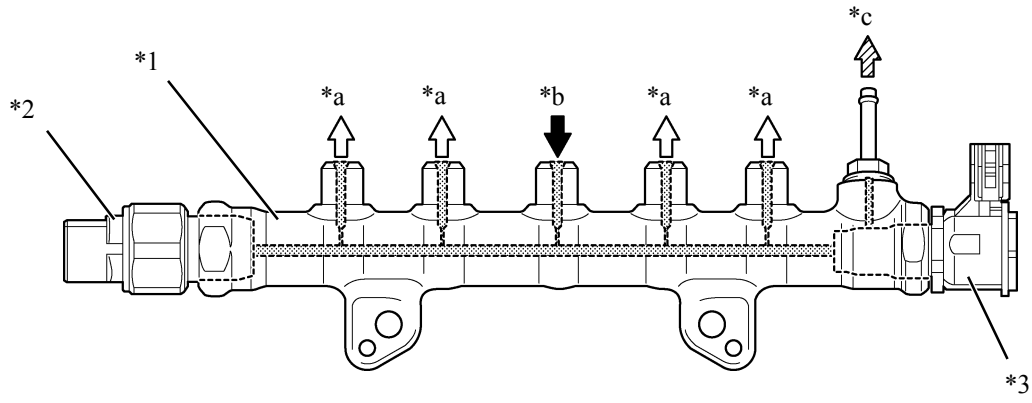
■ COMMON-RAIL

1. Construction

- The function of the common-rail assembly is to store the fuel that has been pressurized by the injection or supply pump assembly.
- The common-rail assembly is provided with a fuel pressure sensor and pressure discharge valve.
- The fuel pressure sensor detects the fuel pressure in the common-rail assembly.
- The pressure discharge valve regulates the fuel pressure. In the pressure discharge valve, the plunger opens and closes in accordance with the actuation signals from the ECM. Thus, it regulates pressure by releasing excess pressure from the common-rail assembly. In addition, it has a pressure reduction function in case of emergency.



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Text in Illustration

*1	Common-rail Assembly	*2	Fuel Pressure Sensor
*3	Pressure Discharge Valve	-	-
*a	to Injector Assembly	*b	from Injection or Supply Pump Assembly
*c	to Fuel Tank Assembly (Excess Pressure)	-	-