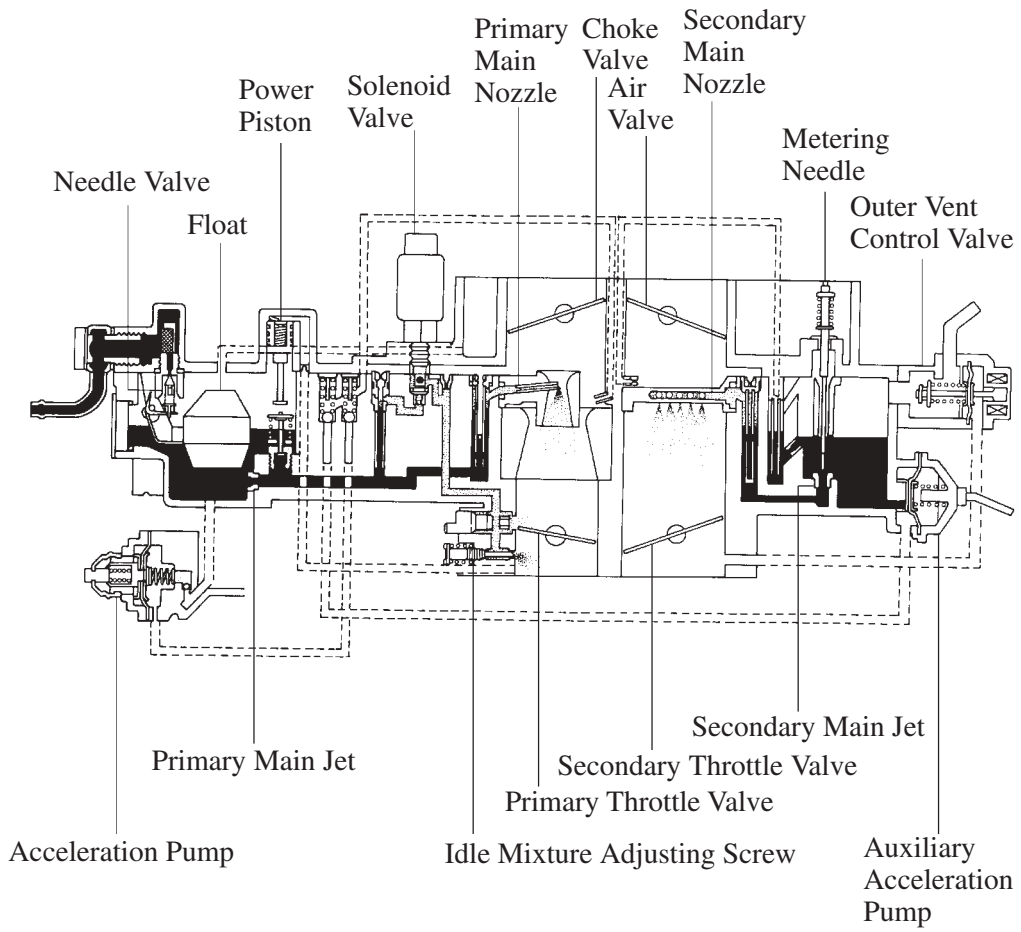
■FUEL SYSTEM (For 3RZ-F ENGINE)

1. Carburetor

General

An air valve type dual-barrel, down-draft carburetor has been adopted. In addition, a large venturi purge system has been adopted to improve drivability during hot operating condition.



CARBURETOR CIRCUIT

140EG123

Large Venturi Purge System

The large venturi purge system creates a flow of air in the float chamber, thus reducing the surface temperature of the fuel in the float chamber. This minimizes the evaporation of fuel and improves drivability during high engine temperature conditions.
The basic operation of the large venturi purge system is the same as in the 1RZ engine. For details, see page 51.

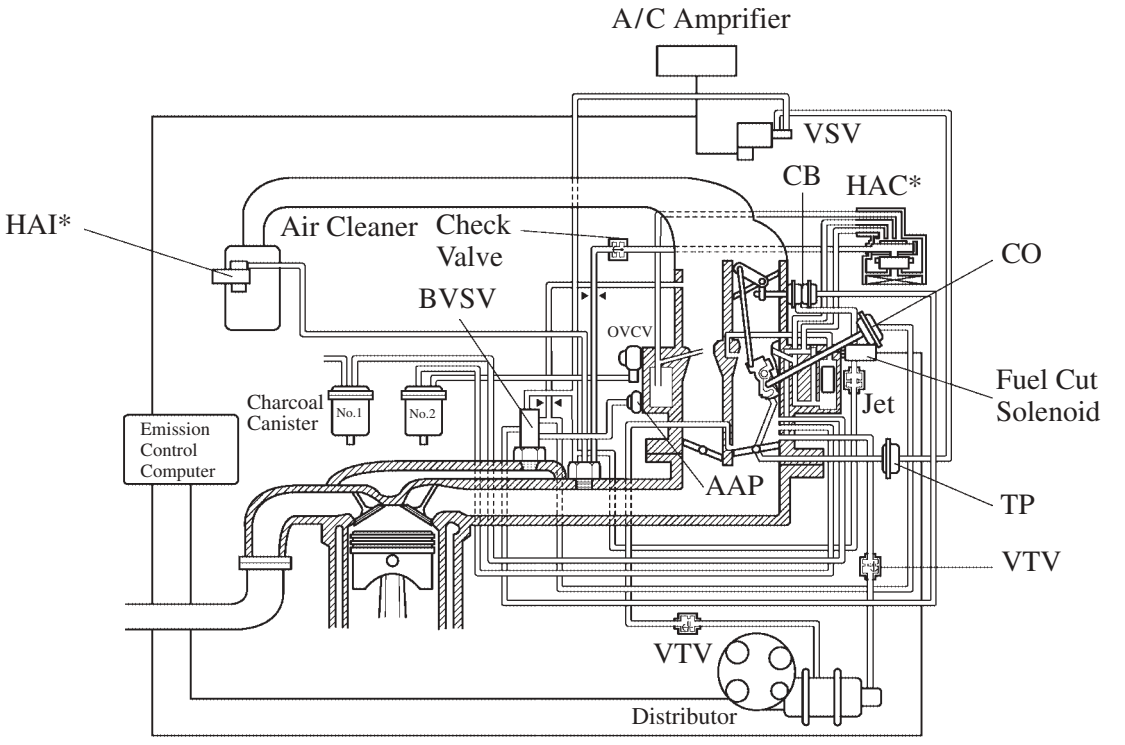
2. Emission Control System

System Purpose

System	Abbreviation	Purpose
Positive crankcase ventilation	PCV	Reduces blow-by gas (HC)
Throttle positioner	TP	Reduces HC and CO
Evaporative emission control	EVAP	Reduces evaporative HC
Spark Delay	SD	Reduces NOx
High altitude compensator*	HAC	Reduces HC and CO
Auxiliary system:		
1. Automatic hot air intake*	HAI	Maintains drivability – cold
2. Automatic choke	–	Maintains drivability – cold
3. Choke breaker	CB	Maintains drivability – cold
4. Choke opener	CO	Improves fuel consumption
5. Auxiliary acceleration pump	AAP	Maintains drivability – cold

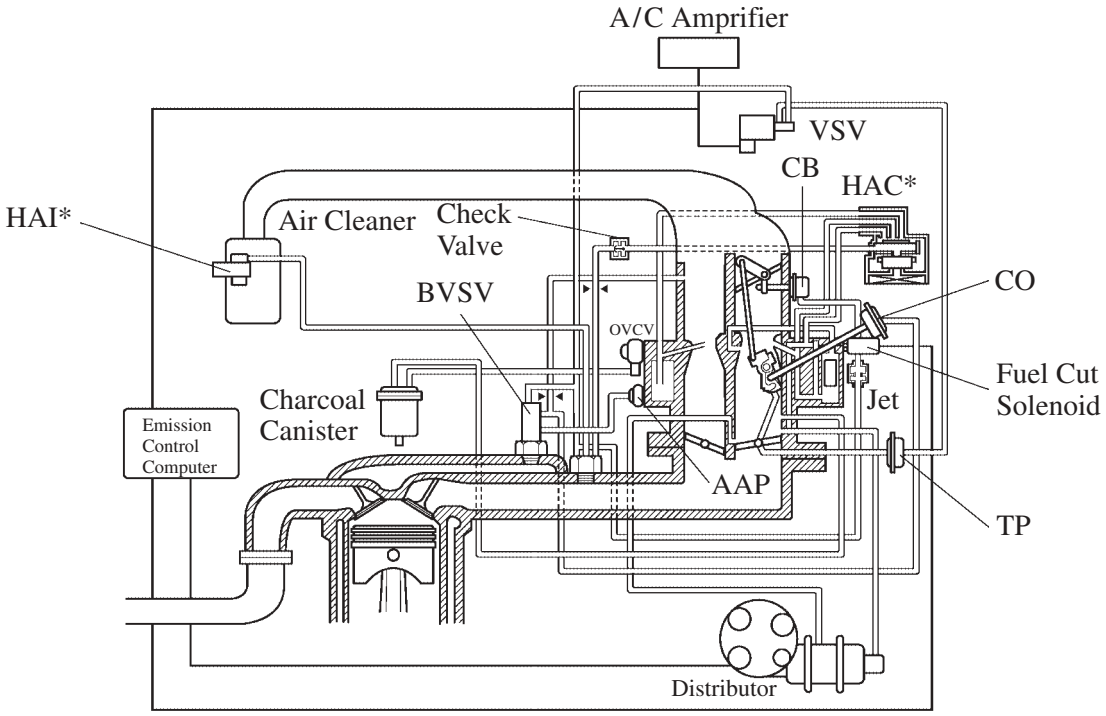
Schemtic Drawing

1) G.C.C. Countries and China



*: Option

2) General Countries



140EG35

*: Option