

FUEL SYSTEM [SKYACTIV-D 2.2]

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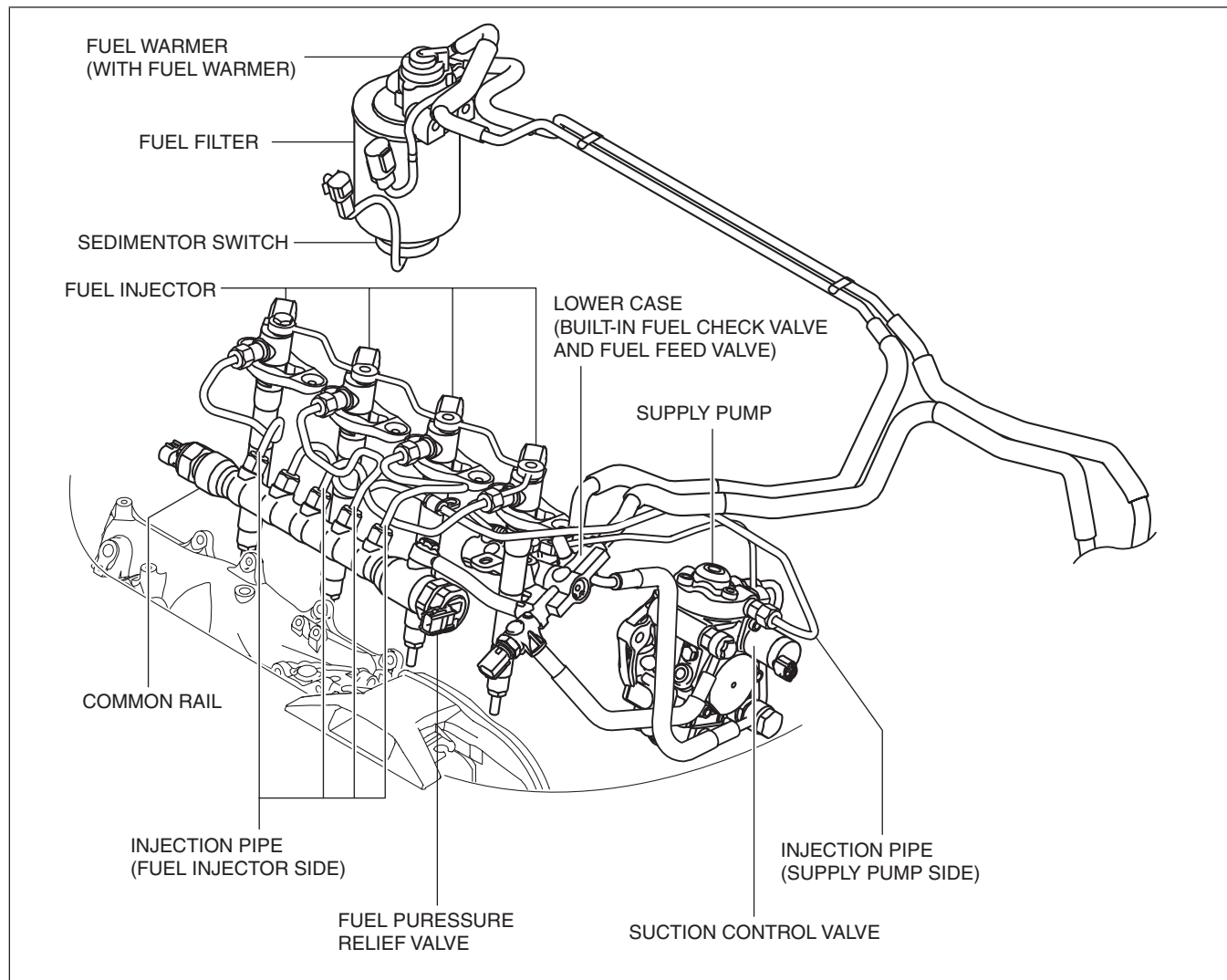
Outline

- Fast-response, Piezo-electric type fuel injectors have been adopted which achieve highly precise fuel injection control.

Structural view

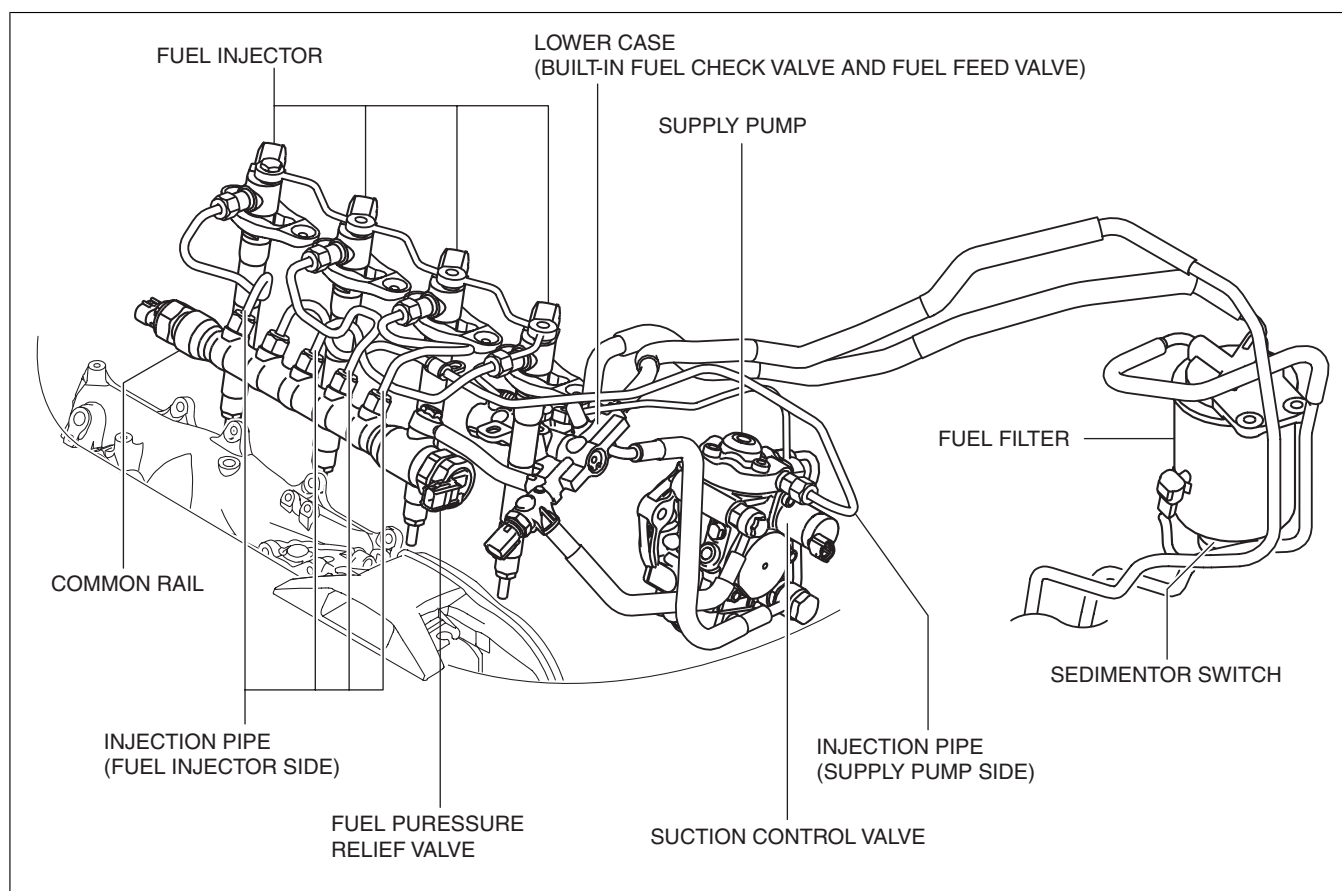
Engine compartment side

L.H.D.



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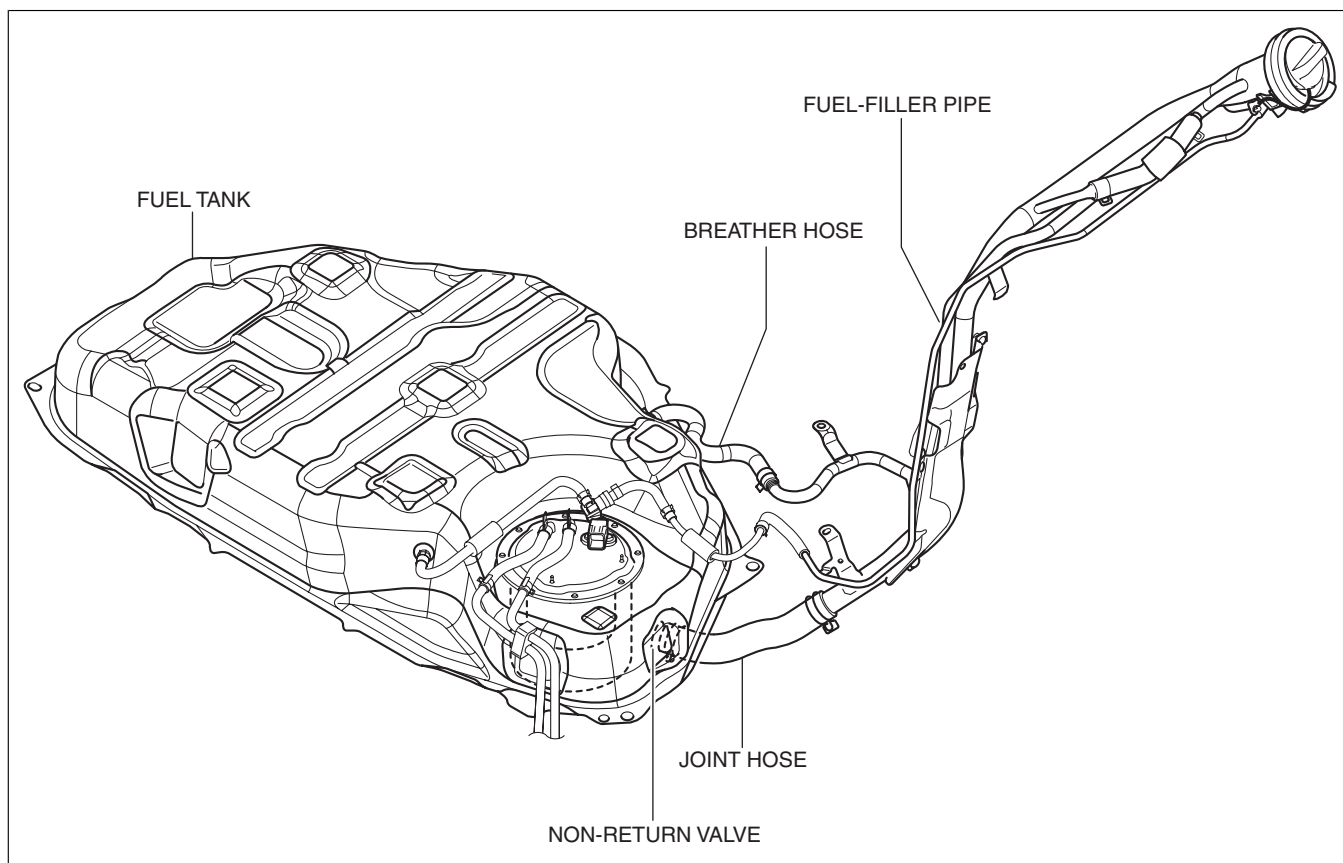
R.H.D.



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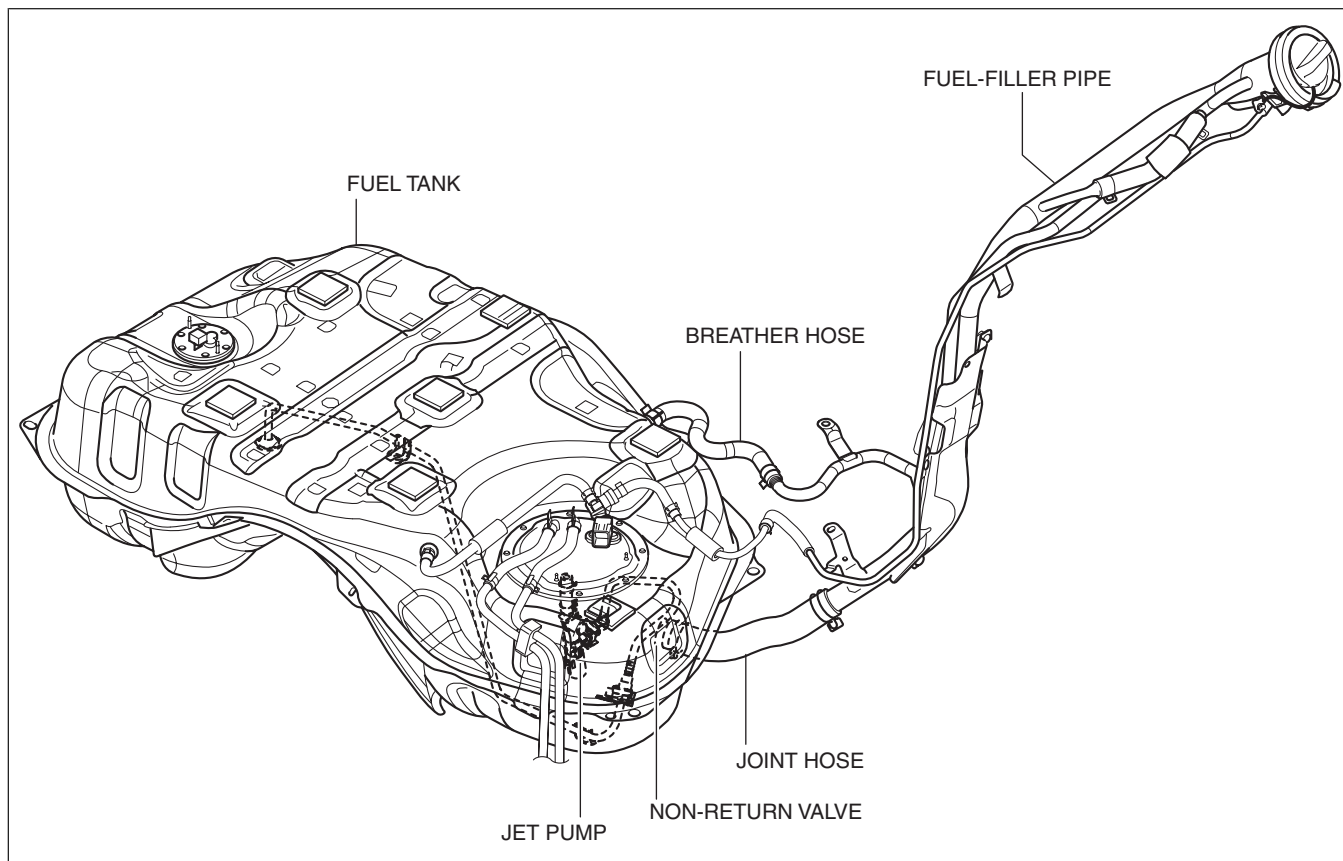
Fuel tank side

2WD



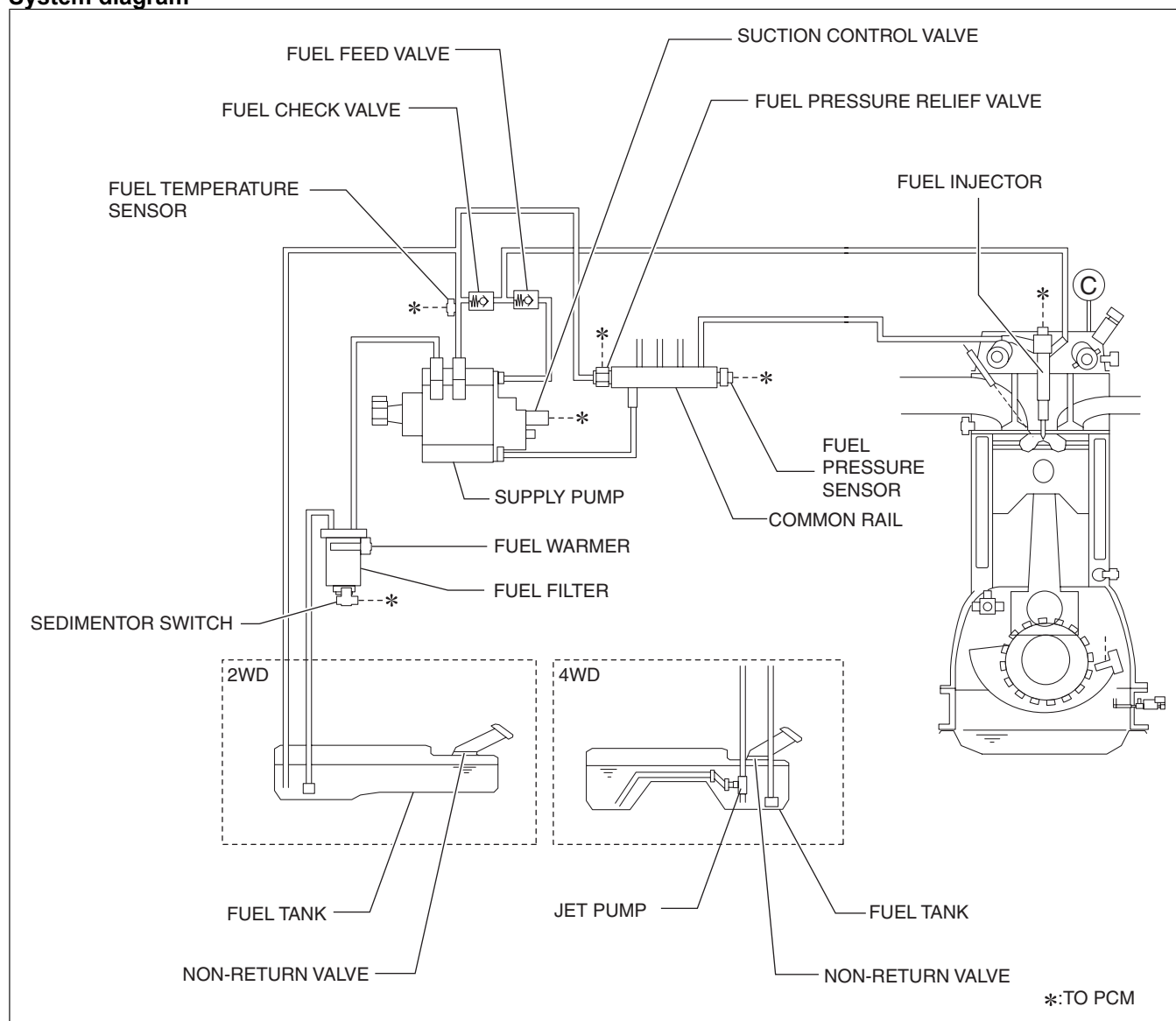
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4WD



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System diagram



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Structure

- The fuel system consists of the following parts:

Part/System name		Reference
Common rail injection system (See COMMON RAIL INJECTION SYSTEM [SKYACTIV-D 2.2].)	Fuel tank	(See FUEL TANK [SKYACTIV-D 2.2].)
	Fuel filter	(See FUEL FILTER [SKYACTIV-D 2.2].)
	Fuel warmer	(See FUEL WARMER [SKYACTIV-D 2.2].)
	Supply pump	(See SUPPLY PUMP [SKYACTIV-D 2.2].)
	Suction control valve	(See SUCTION CONTROL VALVE [SKYACTIV-D 2.2].)
	Fuel check valve	(See FUEL CHECK VALVE [SKYACTIV-D 2.2].)
	Fuel feed valve	(See FUEL FEED VALVE [SKYACTIV-D 2.2].)
	Common rail	(See COMMON RAIL [SKYACTIV-D 2.2].)
	Fuel pressure relief valve	(See FUEL PRESSURE RELIEF VALVE [SKYACTIV-D 2.2].)
	Fuel injector	(See FUEL INJECTOR [SKYACTIV-D 2.2].)
	Fuel pressure sensor	(See FUEL PRESSURE SENSOR [SKYACTIV-D 2.2].)
	Fuel temperature sensor	(See FUEL TEMPERATURE SENSOR [SKYACTIV-D 2.2].)
Non-return valve		(See NON-RETURN VALVE [SKYACTIV-D 2.2].)
Sedimentor switch		(See SEDIMENTOR SWITCH [SKYACTIV-D 2.2].)

Specification

Item			Specification
Supply pump			Electric control
Fuel injector			Piezo-electric
Fuel tank capacity	(L {US gal, Imp gal})	2WD	56.0 {14.8, 12.3}
		4WD	58.0 {15.3, 12.8}
Fuel type			EN590 or the equivalent