

### Fuel Lines

A single fuel line carries fuel from the fuel pump module up to the engine fuel rail.

### System Operation

Fuel, under pressure from the pump, enters the combination fuel pressure regulator and fuel filter. Excess pressure from the regulator circulates back to the tank utilizing a venturi syphon pump similar to Model 202 through a short fuel line. Regulated fuel pressure is sent to the intake manifold fuel rail through a single feed line that runs along the frame rail.

### Safety Fuel Shut-off

A reservoir and valve is built into the fuel tank to contain and recirculate fuel in the unlikely event of a rollover.

The canister receives fuel vapors from the fuel tank for storage until it is purged by the engine during normal operation.

A fuel pressure solenoid valve (mounted on the rear crossmember next to the spare tire) is attached to a vapor line leading to the canister. The system periodically (and automatically) tests for vapor leaks in the system using the vacuum hold method.

### Service Tips

- **Fuel Pump Module (M3)**  
The fuel pump module is accessed through an opening in the body floor under the rear seat area.
- **Remove and Replace Fuel Tank**  
The body must be raised slightly over the frame, and the rear subframe lowered. Refer to workshop procedures.
- **Testing the Fuel Sender**  
The fuel characteristic curve is defined through the fuel level sensor M3/3b1 test values:

Indicating data	0	R	1/4	1/2	3/4	1/1
Indicating angle (degree)	0	16	24.5	46	69	92
Resistance values	200	150	100	50	25	0.5
Resistance tolerances of the fuel sensor	±3.5	±3.0	±2.5	±0.8	±0.8	+0.8/-0.5
Display tolerance (degree angle)	±2.0	±2.0		±3.0		+3.0/1.0

R = value for lighting up of the reserve lamp

### Exhaust System

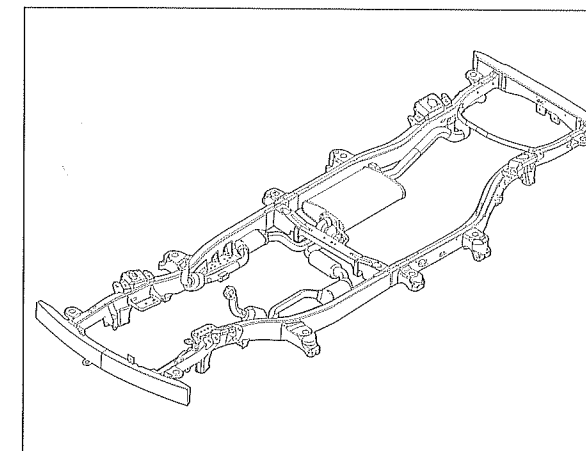
#### Resonator/Muffler

#### System Description

An additional resonator is added to the driver's side exhaust system to improve the sound quality of the exhaust.

#### Component Location

The resonator is located in back of the second catalytic converter on the driver's side.



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#### System Operation

The driver's side exhaust system contains a resonator to improve the exhaust sound. Exhaust from the passenger side catalytic converter and from the driver's side resonator travels to a single muffler before exiting through the tailpipe at the rear of the vehicle.

### Service Tips

- **R&R Catalytic Converter**  
Removing the catalytic converters may require lifting the body slightly off the frame. Refer to the workshop procedure.