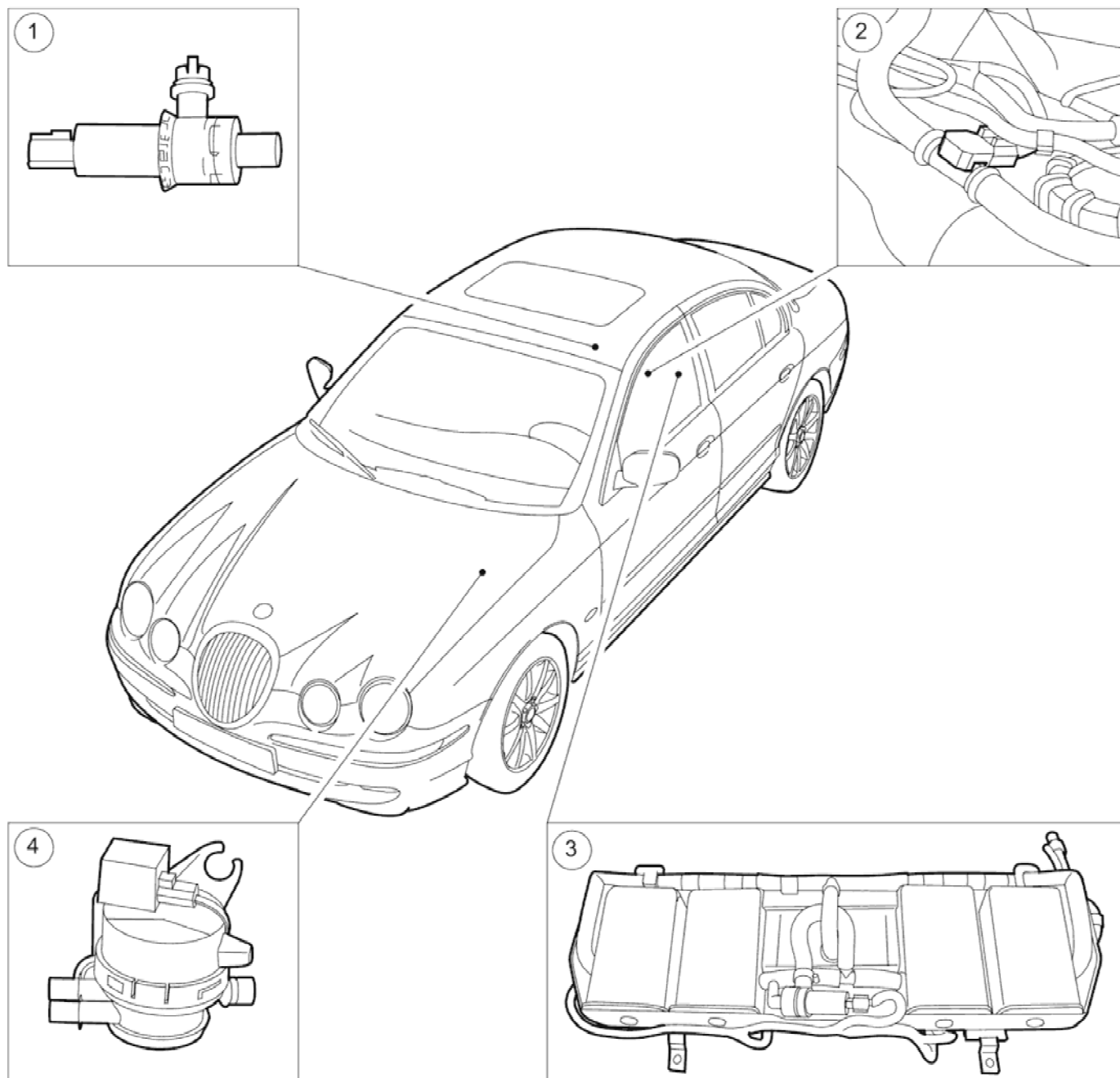


## Evaporative Emissions



VUJ0000677

Item	Description
1	Canister vent solenoid
2	Fuel tank pressure sensor
3	Evaporative emission canister
4	EVAP canister purge valve

The evaporative emission fuel vapor management system consists of an evaporative emission canister and an

## 2001 S-TYPE - Evaporative Emissions - 303-13

EVAP canister purge valve. A combination of plastic pipes and rubber hoses connect the canister to the fuel tank and the EVAP canister purge valve to the intake manifold.

In addition, the fuel vapor management system uses a canister vent solenoid and a fuel tank pressure sensor which are used during the engine management system on board diagnostic routines.

When the EVAP canister purge valve is closed, the fuel tank is vented into the canister through the fuel tank roll-over valve. The canister absorbs the fuel vapor and prevents the release of hydrocarbons into the atmosphere. When the vapor management valve is opened, the canister is exposed to the intake manifold vacuum and the fuel vapor deposits are drawn into the manifold where they mix with the incoming air/fuel charge.

The evaporative emission fuel vapor management system is controlled by the powertrain control module according to calibrated data tables.