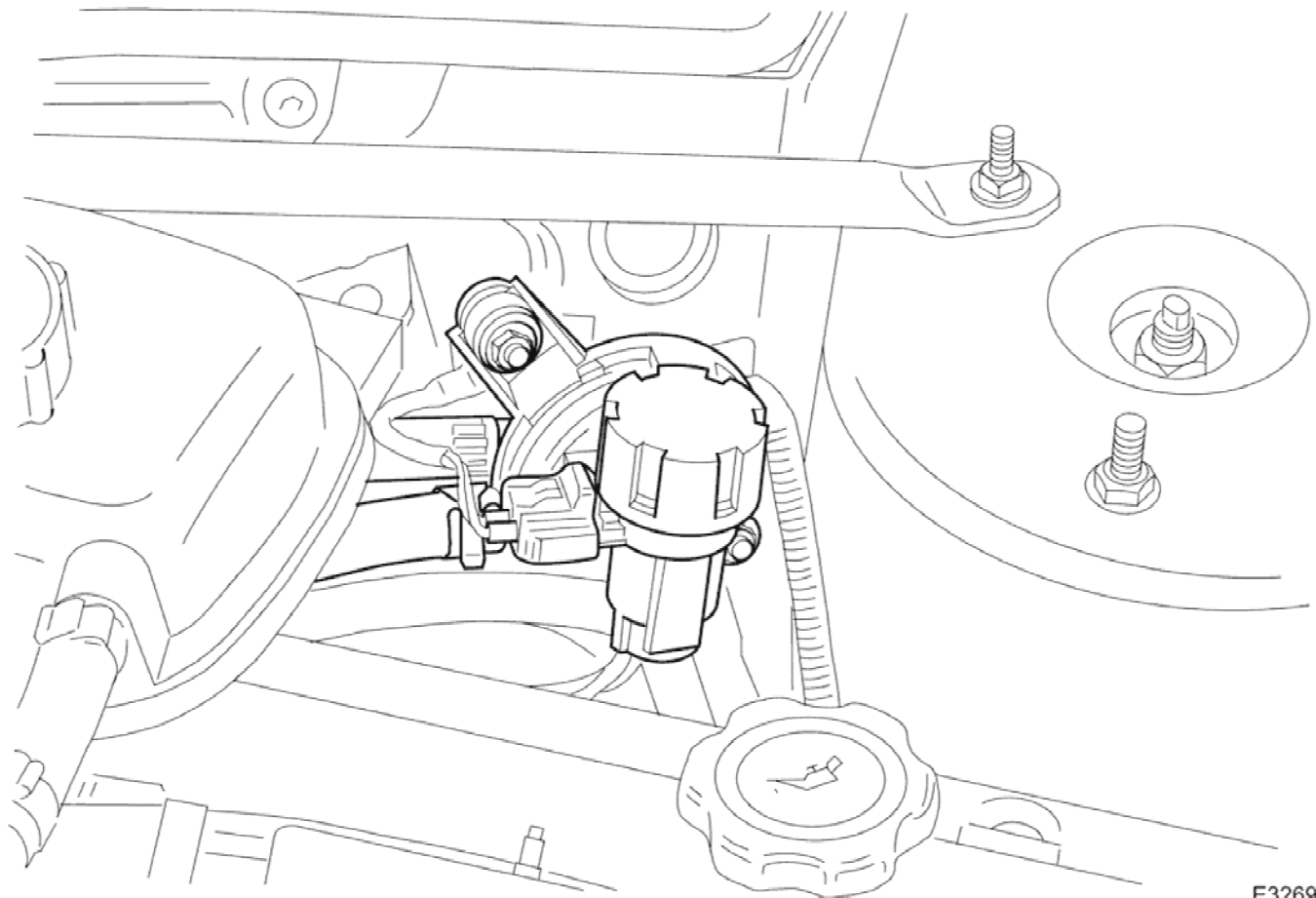


Evaporative Emissions

Evaporative Valve

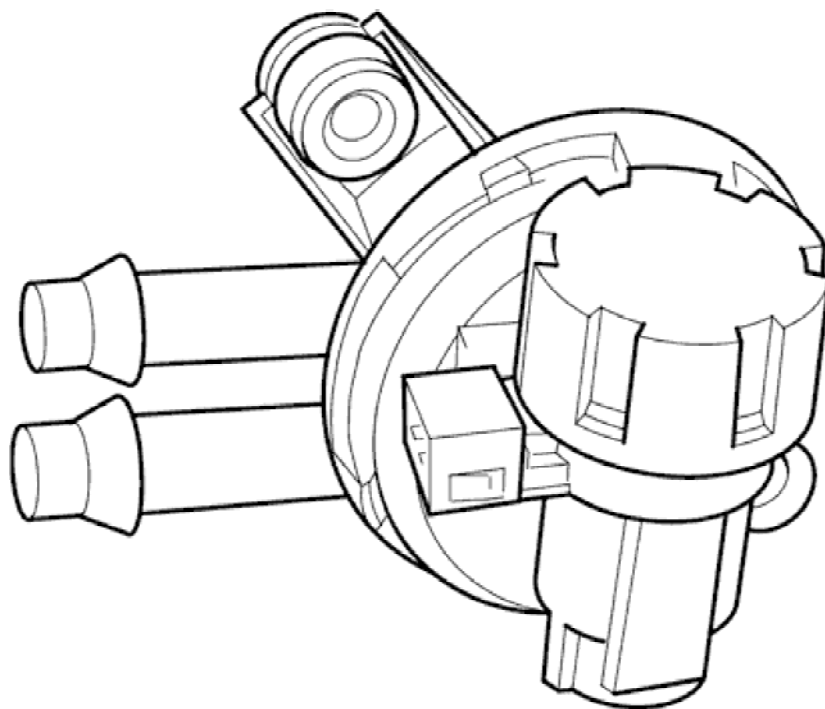
Location



E32695

Operation

Under control of the ECM the purge valve flow rate is monitored / modified to maintain the correct AFR and avoid canister saturation.



E32742

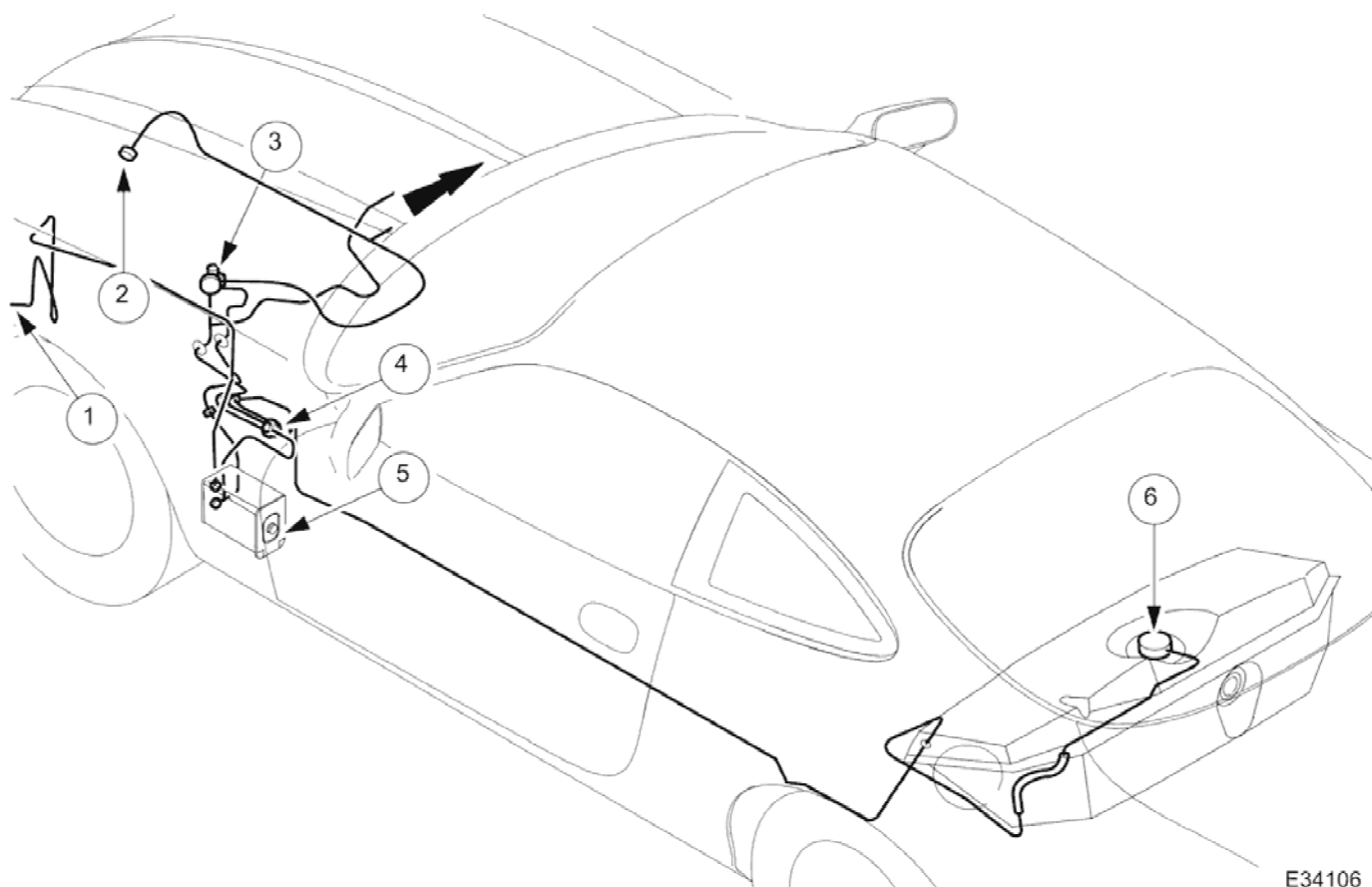
Monitoring Procedure

This diagnostic operates during the first long duration hot idle period after engine start and works by gradually opening the purge valve and monitoring changes in the following; air fuel ratio (AFR) closed loop control value, idle speed control feedback and engine RPM. If none of these variables changes by more than a predetermined value the purge flow failure is made.

The purge valve drive circuit is monitored during driving operation; if the driver state does not match the command state for over a predetermined number of on / off operations then a failure judgement is made.

System Schematic

1997 XK RANGE - Evaporative Emissions - 303-13

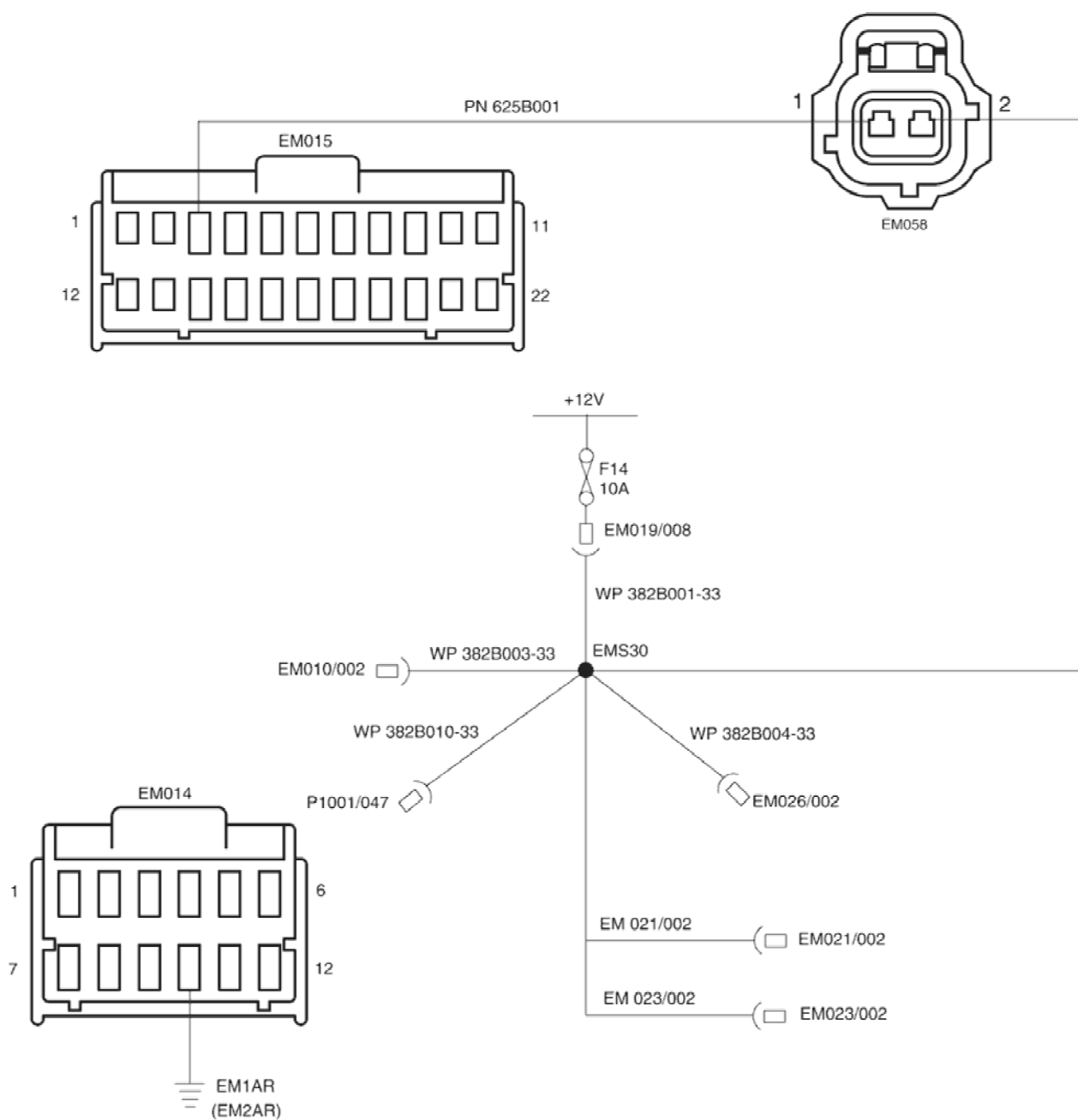


Parts List

Item	Description
1	Atmospheric connection
2	Engine breather
3	EVAP valve
4	Fuel tank pressure control valve
5	Carbon canister
6	Evaporative loss flange

Circuit Diagram, Evaporative Valve / ECM

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E32690