

Solenoid Valve - Switchover Valves (Inlet Manifold), Remove and Install (X 18 XE, X 20 XEV)

Notice:

Illustration F 9767 shows the inlet manifold in the removed state for a clearer representation.



Remove, Disconnect

Pull wiring harness plug and vacuum hose from switchover valve solenoid valve.

Loosen fastening bolt (1) and remove fastening bolt (2).

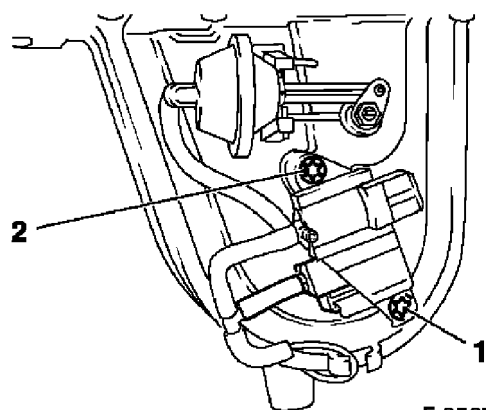
Remove switchover valve solenoid valve with bracket and detach from bracket.



Install, Connect

Push switchover valve solenoid valve onto bracket and attach to inlet manifold.

Attach wiring harness plug and vacuum hoses to switchover valve solenoid valve.



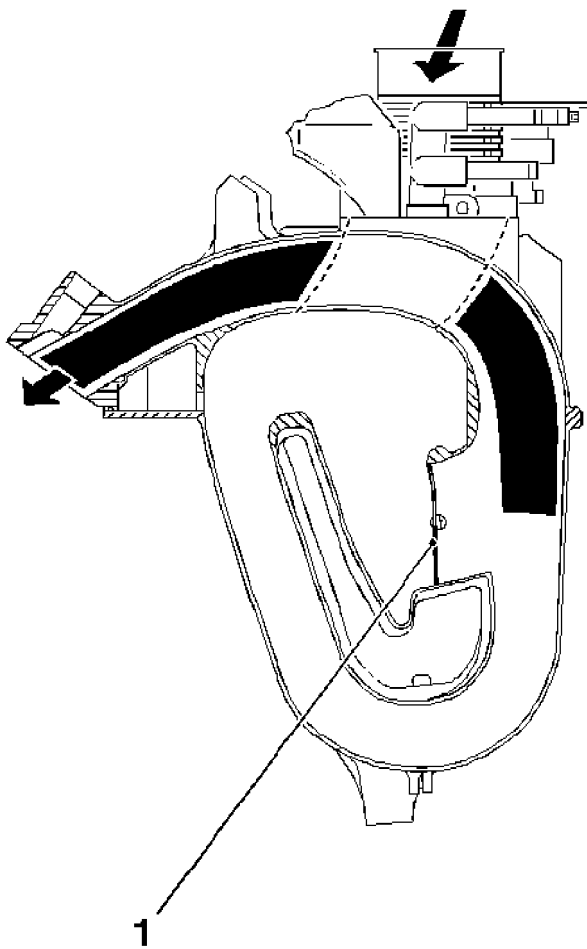
F 9767

Function of Switched Intake System, X 18 XE and X 20 XEV

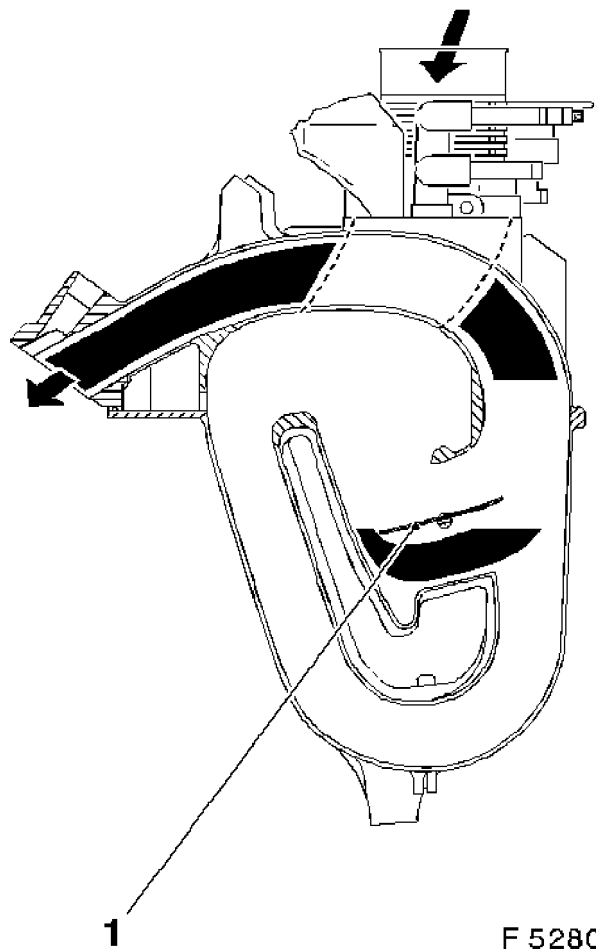
A shaft positioned centrally in the intake tract is fitted with 4 individual switchover valves – one for each cylinder. The switchover valves are actuated by an engine speed and load-dependent characteristic curve. Above engine speeds of approx. 3600 rpm, the switchover valves are generally open. The result is regular and higher torque progression, especially in the low engine speed range.

2.5.4 Function of Switched Intake System, X 18 XE and X 20 XEV (continued)

I



II



F 528C

- I = long intake path
- II = short intake path
- 1 = Switchover valve