

Engine 110 model year 1973  
Engine 110 model year 1974, Federal Emission Control System

## Test equipment

Revolution counter

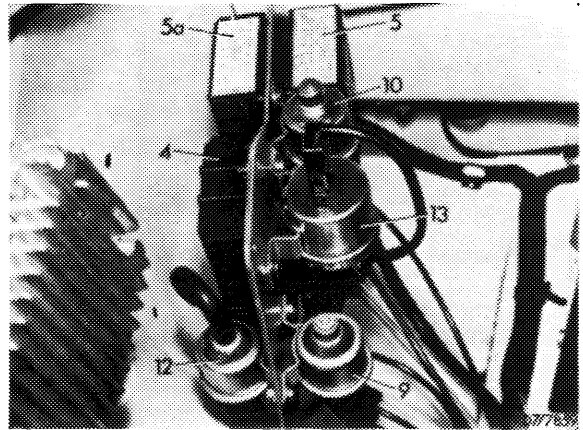
The following functional tests are to be made in the specified sequence with the engine at operating temperature.

### Test No. 1

Remove blue vacuum line from vacuum switch (13).

#### Result:

Engine should run poorly or stall (EGR valve is open).

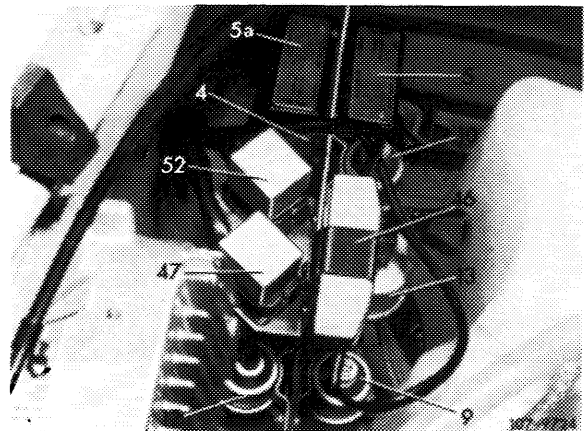


### Test No. 2

Remove vacuum line from on top of switch-over valve (12). Remove blue vacuum line on vacuum switch (13). Place your hand on the brown EGR switch-over valve (12). Increase engine speed.

#### Result:

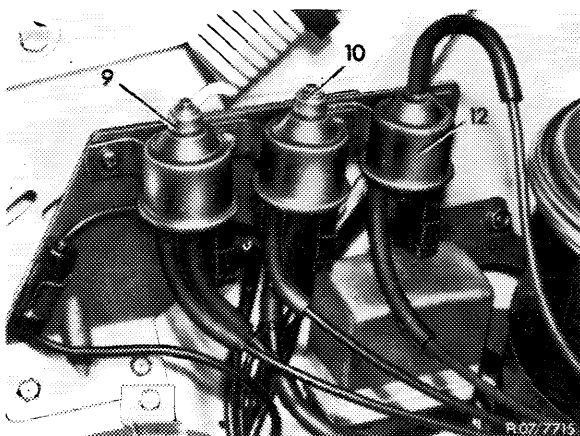
At approx. 3400/min, the switch-over valve (12) should click.



Engine 115 model year 1973/74

### Test equipment

Revolution counter



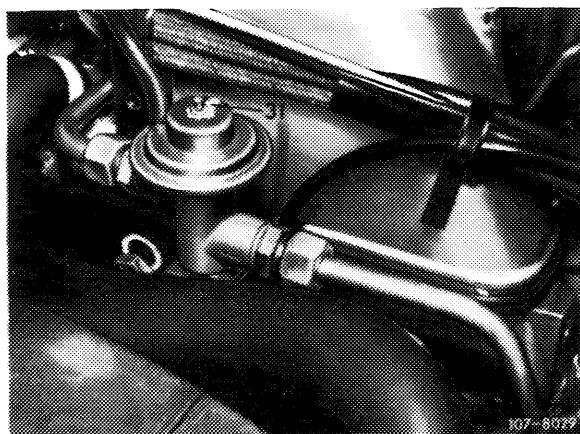
The following checks are to be performed with engine at operating temperature:

#### Test No. 1

Place your hand on the brown EGR switch-over valve (12). (It may be necessary to remove the switch-over valve from the panel to isolate it from the operation of the other valves. Increase engine speed.

#### Result:

At approximately 3600/min, the switch-over valve (12) should switch.



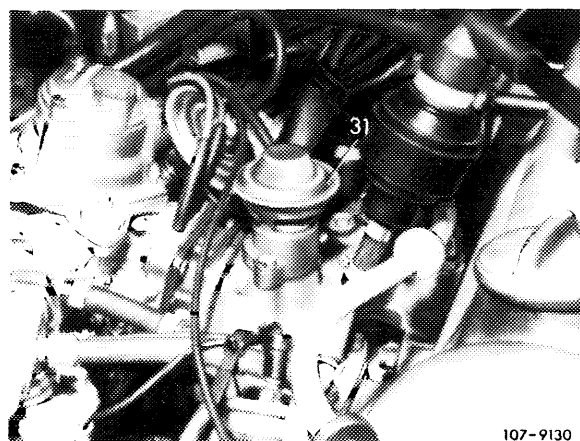
#### Test No. 2

Connect the EGR valve (31) directly to intake manifold vacuum (use the blue vacuum line).

#### Result:

The engine should run poorly or stall (EGR valve is open).

Model year 1973



Model year 1974

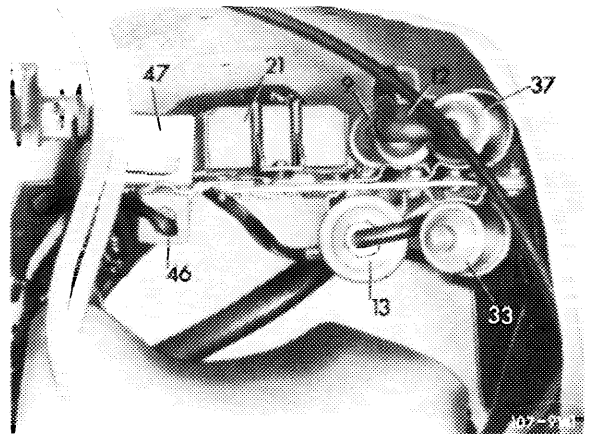
Engine 110 model year 1974, California Emission Control System

### Test

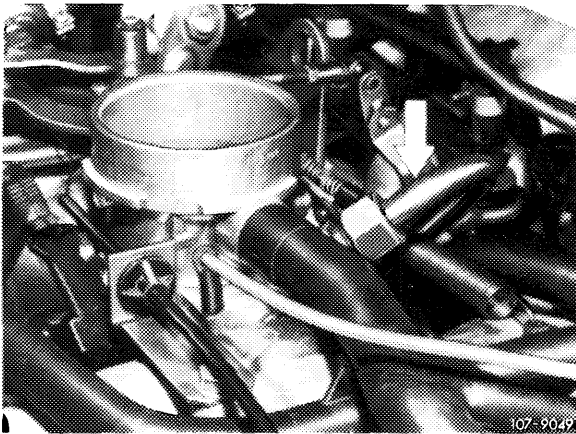
Remove blue vacuum line from vacuum switch (13).

### Result:

Engine should run poorly or stall (EGR valve is open).



Engine 117 model year 1974, California Emission Control System



Remove air filter top cover and check whether exhaust gas is emitted from the recirculation line (arrow) in the throttle valve housing.