

Every 15 000 km (10 000 miles)

**USA-version**

Model year 1973 **Engine M 110**

Model year 1974 **Engine M 110** Federal Emission Control System

## Test equipment

Revolution counter

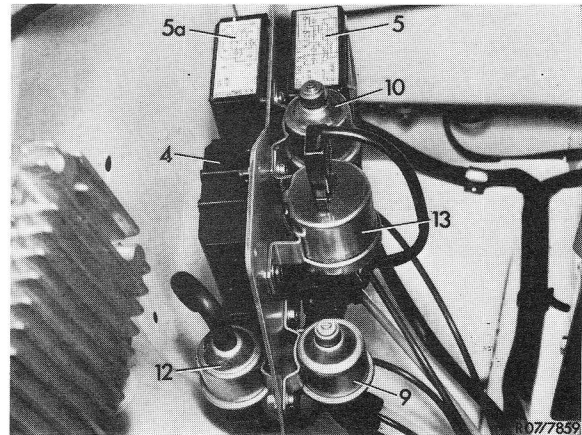
The following functional tests are to be made in the specified sequence with the engine at operating temperature.

### 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 rpm, the switch-over valve (12) should click.

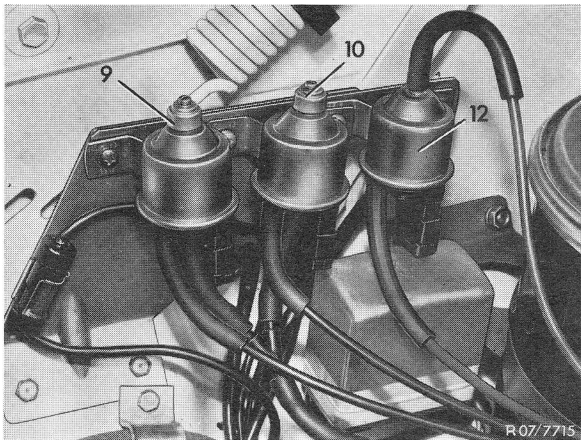
### USA-version

Model year 1973/74 **Engine M 115**

Every 15 000 km (10 000 miles)

### Test equipment

Revolution counter



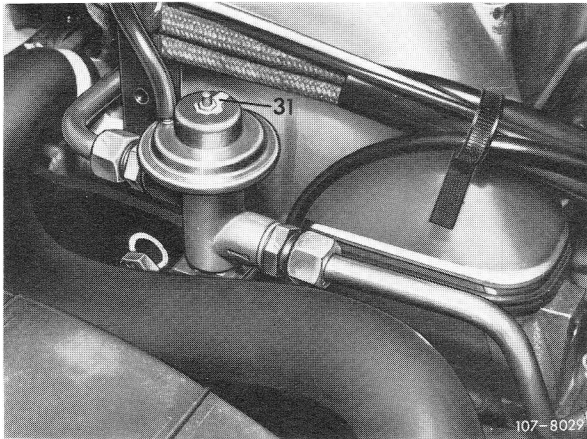
The following checks are to be performed with engine at operating temperature:

#### 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 rpm, the switch-over valve (12) should switch.



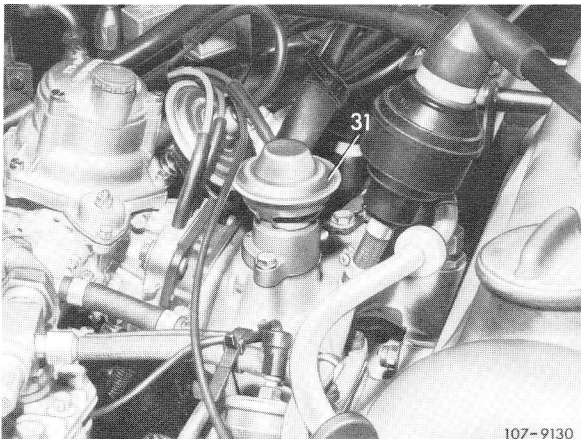
#### Test No. 2

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

Every 15 000 km (10 000 miles)

Model year 1974 **Engine M 110** California Emission Control System

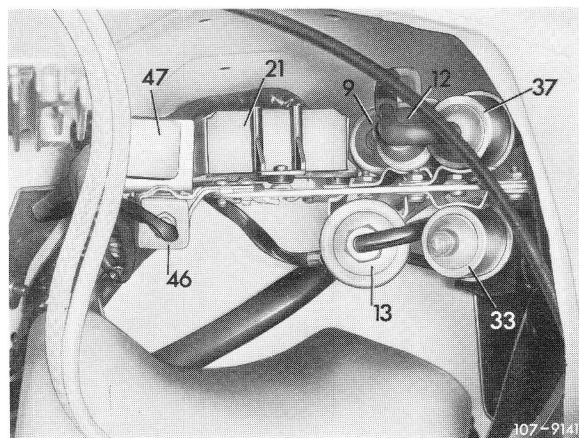
**USA-version**

### Test

Remove blue vacuum line from vacuum switch (13).

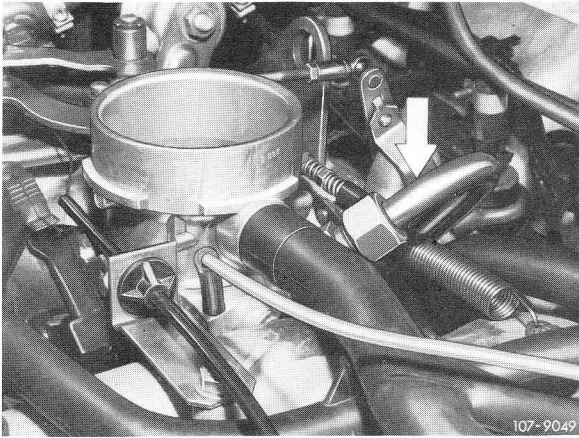
### Result:

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



**USA-version**

Every 15 000 km (10 000 miles)

Model year 1974 **Engine M 117** 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.