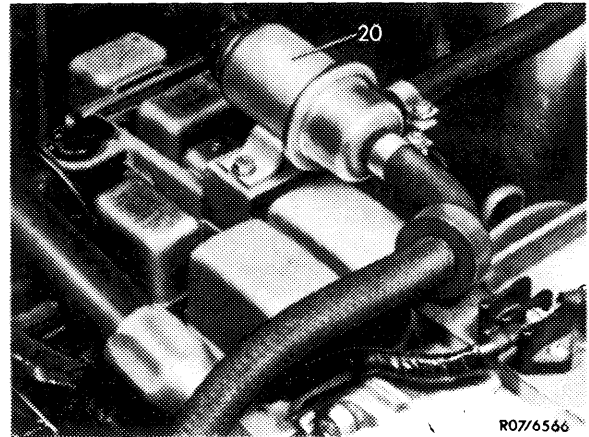


### Test equipment

Inspection lamp

- Connect inspection lamp to gulp valve (20).
- Drive vehicle on dynamometer or road in 3rd or 4th gear at operating temperature.
- Release accelerator pedal and permit vehicle to coast. Inspection lamp should light up at speeds above approx. 24 km/h in 3rd and 4th gear.
- The mechanical function of the gulp valve can be checked on dynamometer at the same time.

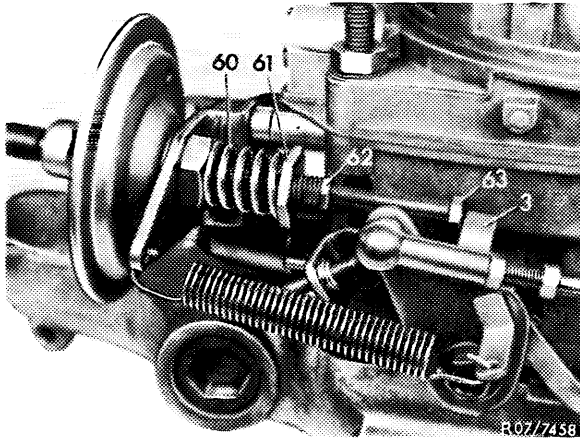
For this purpose, pull air line from air filter to gulp valve off at gulp valve. At a speed of approx. 24 km/h in 3rd and 4th gear during coasting the gulp valve should be under the influence of a suction effect.



Engine 115	130.923	model year 1972
Engine 110	115	model year 1973
Engine 115		model year 1974
Engine 110	Federal Emission Control System	

### Test equipment

Speedometer



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

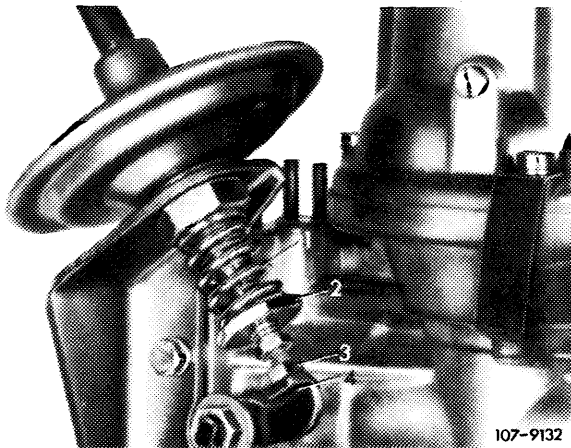
#### Test

Increase engine speed to approx. 2500/min and release throttle slowly. At the same time, observe vacuum governor on the carburetor.

#### Result

The vacuum governor should pop out above 2000/min and should return below 1800/min.

Engine 110



**In addition for engine 110 with federal emission control system, model year 1974:**

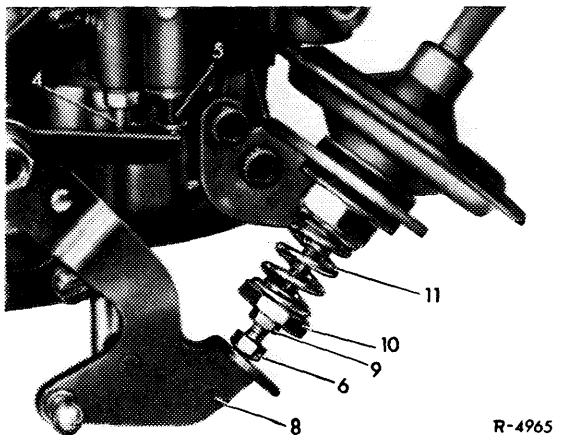
#### Test

Unplug 100°C (212°F) temperature switch (8) and connect to ground. Increase engine speed above 2000/min. Observe vacuum governor.

#### Result

The vacuum governor should not pop out.

Engine 115



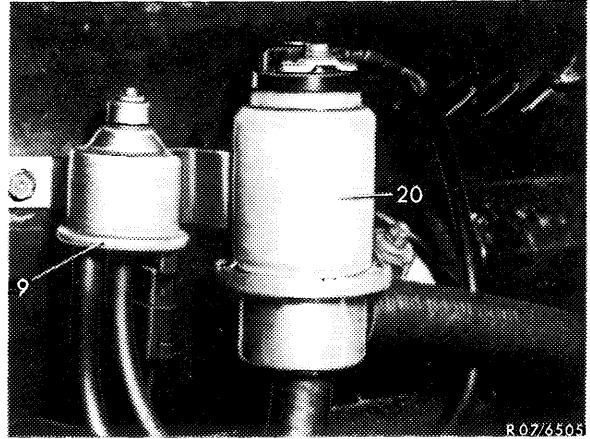
Engine 130.923

## Test equipment

Tachometer, inspection lamp

### 1 Check overrunning conditions with gulp valve (20)

- Connect tachometer to ignition system and inspection lamp to gulp valve (20).
- Drive vehicle on dynamometer or road in driving position "S" or "D".
- Then release accelerator pedal and allow vehicle to coast. The inspection lamp should light up during coasting in 1st, 2nd and 3rd gear at engine speeds above 2900/min and always in 4th gear.
- The function of the gulp valve can be checked on the dynamometer at the same time. For this purpose, pull off air line from air filter to gulp valve. Under the above conditions, the gulp valve should be under the influence of a suction effect.



### 2 Overrunning conditions by lifting regulating linkage

- Connect inspection lamp to solenoid (12).

**Attention!** The test should be made with the driving position engaged, which also requires actuating the service brake in addition to the parking brake.

- Run engine at idling speed. Shift to driving position "S" or "D". Inspection lamp should light up.
- **Disengage driving position immediately following this test.**

