

## 07.3—130 Checking fuel pump

Job No. of flat rates or standard texts and flat rates data 07—5700.

### Test values

|                           |                                           |
|---------------------------|-------------------------------------------|
| Voltage at fuel pump min. | 11.5 volts                                |
| Delivery quantity min.    | 1 liter/40 seconds                        |
| Current input             | prior to September 1981 approx. 11.2 amps |
|                           | starting September 1981 6—10 amps         |

### Special tool

Clamp for hose lines



000 589 40 37 00

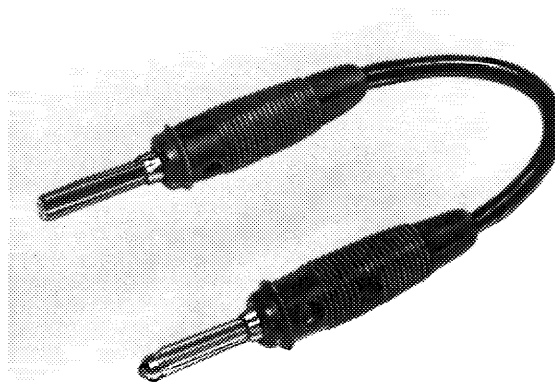
### Conventional testers

Voltmeter, measuring glass or measuring cup (at least 1 liter), stop watch

Multimeter e.g. Sun DMM—5

### Self-made tool

Contact bridge



107-19204

|                        |             |
|------------------------|-------------|
| Fuel hose              | 500 mm long |
| Pipe with sealing cone |             |
| Coupling nut           | M 14 x 1.5  |

## Testing

1 Test power input with multimeter. For this purpose, detach fuel pump relay and connect multimeter to the following jacks.

Prior to September 1981: jacks 1 and 2.  
Starting September 1981: jacks 7 and 8.

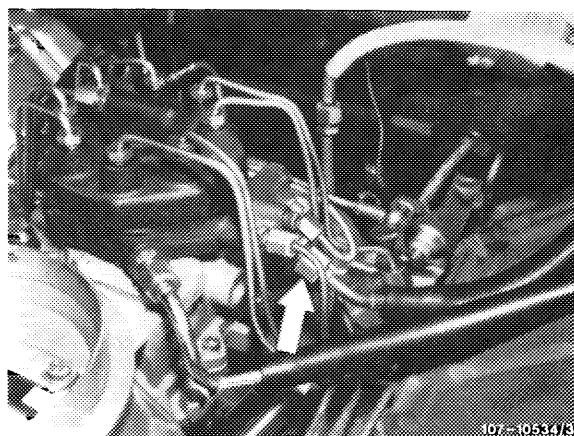
Power input:

Prior to September 1981: approx. 11.2 amps

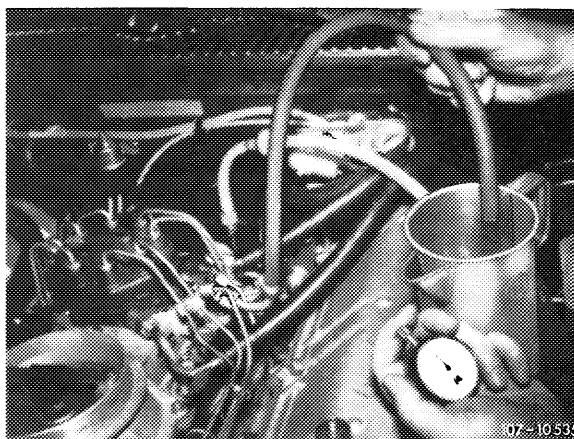
Starting September 1981: 6–10 amps

If the amperage is above 15 or 10 amps, respectively, renew fuel pump.

2 Check delivery capacity of fuel pump during fuel return. For this purpose, unscrew fuel return hose (arrow) from fuel distributor.



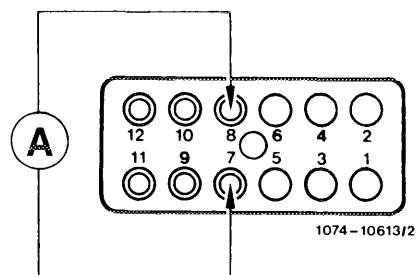
3 Screw self-made fuel hose to fuel distributor and hold into measuring glass or measuring cup.



4 Check delivery capacity:

Mixture control unit **with** safety switch

Switch on ignition. Pull cable plug from safety switch on mixture control unit and put back cable plug after 40 seconds.



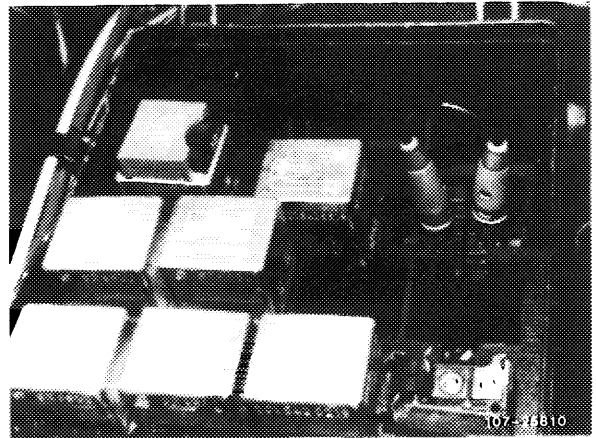
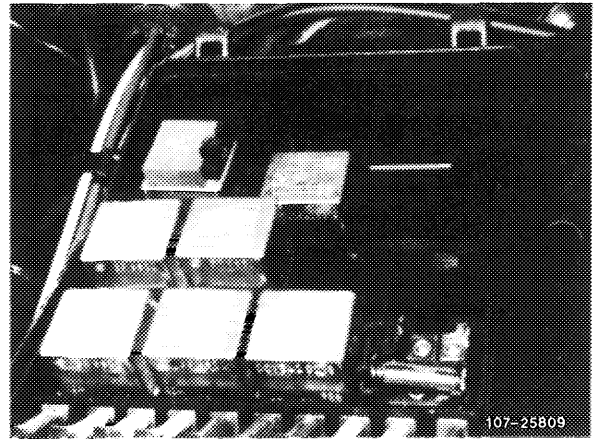
Mixture control unit **without** safety switch

Pull off fuel pump relay and bridge the two jacks (wiring diagram 07.3—120). This will energize the fuel pump.

Pull off contact bridge after 40 seconds.

Prior to September 1981: jacks 1 and 2.

Starting September 1981: jacks 7 and 8.



5 If the delivery quantity is less than 1 liter/40 seconds, check the following items:

- a) Check voltage on fuel pump.  
Nominal value — min. 11.5 volts.
- b) Check strainer in feed connection of fuel distributor for passage.
- c) Check fuel lines for restrictions (pinched lines).
- d) Pinch leak line between fuel reservoir and suction damper. Check delivery quantity once again. If the specified quantity is not attained, renew fuel reservoir.
- e) Renew fuel filter.

6 If the delivery quantity is still too low, renew fuel pump.

7 Connect fuel return hose, mount relay.