

In order to be sure that one of the leds (light emitting diodes), the low fuel level warning light or the general failure warning light (RED) have not failed and have not therefore indicated a fault, all red LEDs and above warning lights should come until the general signal (GREEN) lights up to indicate the car is ready to start when the ignition key is turned to MARCIA position.

NOTE *The low oil pressure and battery charge checks are carried out only when the engine is running.*

Operation

With engine OFF

When the ignition key is turned to MARCIA position, the following warning lights come on: all red LEDs on the display, the low fuel level warning light, excessive coolant temperature warning light and the general RED warning light on the control panel.

After about 2 seconds, the oil level check will be over. If this is satisfactory the general signal (GREEN) will come on. Otherwise this will go off and the general failure warning light (RED) will come on. If the GREEN warning light comes on all the components and services monitored are working properly and the engine may be turned on. If the engine is not started, the general GREEN signal will start to flash.

With engine RUNNING

As soon as the engine has been running for a sufficient length of time for the oil pressure and battery charge lights to go off, a time switch comes into operation that causes the general GREEN signal to go off after a few seconds if all services monitored are working properly.

When the car is running or the engine is on, the electronic device monitors the following services continually:

- generator and circuit;
- engine oil pressure;
- brake fluid level;
- excessive coolant temperature;
- external lighting;
- excessive transmission fluid temperature;
- front brake lining wear;
- incomplete door closure.

When one or more of the above services fails, the relevant red LED comes on immediately together with the red general warning light.

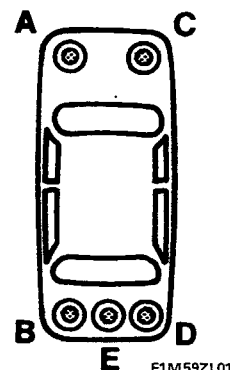
LIGHT CIRCUITS MONITORED

Side lights and number plate lights

One or more LEDs on the display come on to indicate:

- individual or simultaneous failure of two bulbs in a diagonal (ignition of corresponding LED: A-C-B-D);
- Fuse failure brings about ignition of the LEDs situated diagonally (A + D come on for fuse 3 or C + B for fuse 4).

NOTE *Simultaneous failure of the two fuses 3 and 4 is not indicated on the DISPLAY.*



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Rear fog lamps

The display indicates:

- Individual or simultaneous failure of the two bulbs (LED E comes on).
- Fuse failure is not indicated.

NOTE The rear fog lamp must be turned on in order to carry out this check.

Stop lights

The display indicates:

- failure of a single bulb (LED B or D comes on);
- interruption of working contacts of switch below brake pedal (LEDs B and D come on);

NOTE Operate the brake pedal in order to carry out these checks.

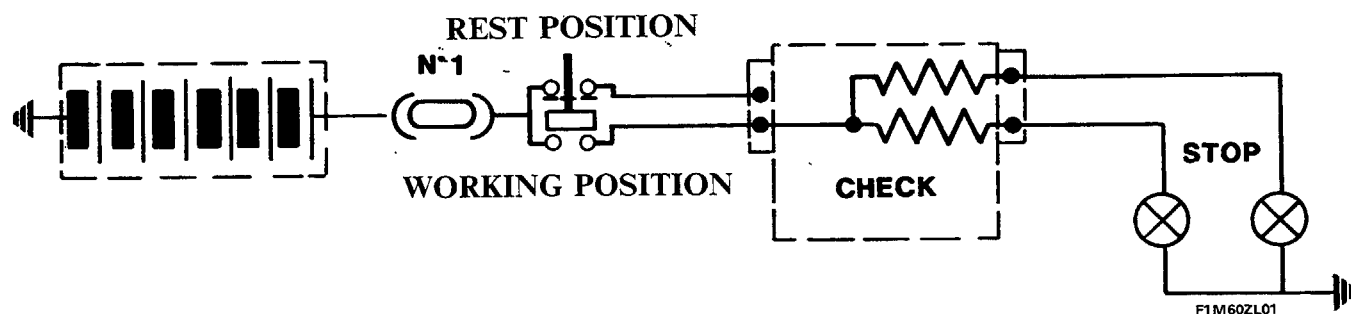
- simultaneous failure of both bulbs (LEDs B and D come on);
- failure of fuse 1 (LEDs B and D come on);
- inefficiency of resting contacts of switch under brake pedal (LEDs B and D come on).

NOTE These defects are also indicated even if the service is not on.

To conclude, note how the two following services are checked:

Stop lights

The circuit fuse (no. 1) and resting contacts of switch under brake pedal are checked even when the brake pedal is not depressed. The two bulbs or working contacts of the switch under the brake pedal are monitored only WHEN THE BRAKE PEDAL IS OPERATED.



Front brake lining wear

When the brake lining insert wire is earthed due to being brought into contact with the brake disc while braking the check system indicates the defect.

When the pedal is released, the defect is no longer displayed.

When linings become so worn that the insert wire is cut, the defect is indicated CONTINUALLY and not only at the time of braking.

