

# STARTING - CHARGING

## Charge circuit: Function

# 16A

D4F or F4R or K4J or K4M or K9K or M4R

### OPERATION

These vehicles are fitted with a built-in regulator and an instrument panel warning light which operates as follows:

- when the ignition is switched on, the warning light comes on,
- the warning light goes out when the vehicle is started,
- if the warning light comes on while the engine is running, it indicates a battery charge fault.

# STARTING - CHARGING

## Charge circuit: Check

# 16A

D4F or F4R or K4J or K4M or K9K or M4R

Check the current after 30 minutes of heating at a voltage of 13.5 V.

| Alternator speed<br>(rpm)<br>D4F | Alternator               |                   |                     |
|----------------------------------|--------------------------|-------------------|---------------------|
|                                  | BOSCH KCB1<br>0124325139 | VALEO<br>TG11C056 | BOSCH<br>0124325186 |
| 1500                             | 30A                      | 40A               | 33A                 |
| 2500                             | 70A                      | 95A               | 70A                 |
| 4000                             | 85A                      | 102A              | 85A                 |
| 6000                             | 90A                      | 112A              | 89A                 |
| 8500                             | 91A                      | 115A              | 90A                 |

| Alternator speed (rpm)<br>D4F | Alternator        |
|-------------------------------|-------------------|
|                               | VALEO<br>TG11C068 |
| 1800                          | 52A               |
| 2000                          | 64A               |
| 3000                          | 92A               |
| 4000                          | 102A              |
| 6000                          | 112A              |
| 8000                          | 115A              |

| Alternator speed<br>(rpm)<br>K9K, K4M, K4J | Alternator               |                          |
|--------------------------------------------|--------------------------|--------------------------|
|                                            | BOSCH LIE6<br>0124425037 | BOSCH LIE8<br>0124525081 |
| 1500                                       | 40A                      | 45A                      |
| 2500                                       | 95A                      | 115A                     |
| 4000                                       | 113A                     | 140A                     |
| 6000                                       | 120A                     | 150A                     |
| 8500                                       | 123A                     | 153A                     |