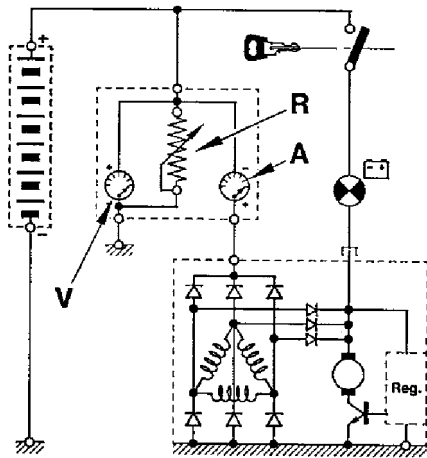


ALL TYPES

CHARGING CIRCUIT - ALTERNATOR WITH MONO-FUNCTION REGULATOR



D1AP01SC

CHECKING THE ALTERNATOR OUTPUT

Connect as shown in the diagram opposite, using an ammeter (**A**), a voltmeter (**V**), and a rheostat (**R**) or a Volt/Ammeter/Rheostat combination.

Referring to the vehicle's equipment specification (see table opposite), adjust the engine speed and rheostat charge to obtain **U=13.5V**. Read the voltage.

Reminder : The excitation energising current will flow through the warning lamp; check that the warning lamp comes on when the ignition is switched on. It should go out when the engine has started (accelerate slightly).

CHECKING THE VOLTAGE REGULATOR

Set the rheostat to zero and disconnect all the electrical consumers. Display 5000 alternator rpm. If **U** alternator is > 14.7 V, the regulator is faulty.

Note : These tests should be performed with the engine hot and the battery fully charged.

Output under 13.5 V
Intensity (A) / Alternator speed

Speed Class	2000 rpm	3000 rpm	4000 rpm
5	29 A	39 A	43 A
7	42 A	54 A	59 A
8	49 A	62 A	68 A
9	62 A	76 A	83 A
12	72 A	90 A	100 A
15	99 A	128 A	140 A