

83–610 Testing feedback potentiometer in regulating valve

Note

Testing is required when the sensor chain is within the specified tolerance and the control quality is not attained.

Test conditions

Voltmeter switch of tester in position	servo-amp.
Mode switch of tester in position	“HEAT”, wait 1 minute, switch over to “park”
Temperature dial in position	75 °F
Pushbutton switch in position	“AUTO-LO”

- 1 Connect tester (83–602).
- 2 Run engine at 1100/min.
- 3 Watch voltmeter on tester and shut off engine if after approx. 35 seconds the voltage is 0 volt.
- 4 Pull off plug on regulating valve (front coupler).

- 5 Test resistance between terminal 1 and 2 of regulating valve. Resistance should be between 1300 and 1500 ohm.
- 6 Replace regulating valve if this value is not attained.