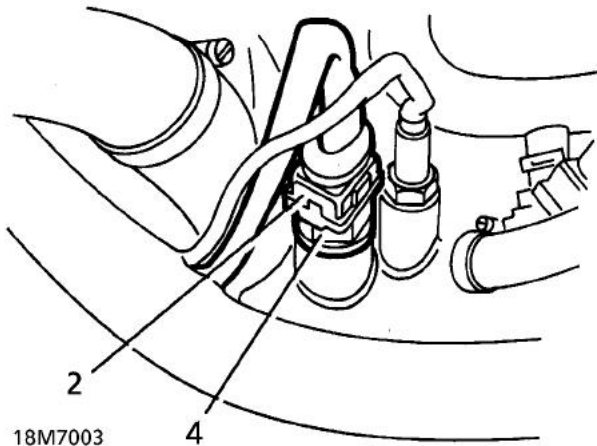


## ENGINE COOLANT TEMPERATURE SENSOR (ECT SENSOR)

Service repair no - 18.30.10

### Remove

1. Disconnect battery negative lead.



2. Remove spring clip and disconnect ECT sensor multiplug.
3. Position cloth around ECT sensor to absorb coolant spillage.
4. Remove ECT sensor.
5. Remove sealing washer and discard.

### Refit

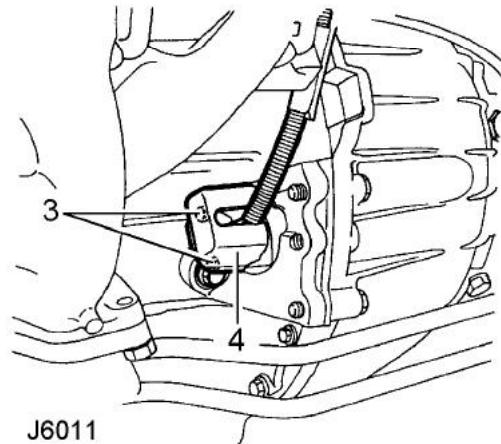
6. Clean sealing washer, sensor threads and sensor location.
7. Coat sensor threads with Loctite 577 and fit new sealing washer.
8. Fit ECT sensor. Tighten to **20 Nm**.
9. Fit spring clip to multiplug and connect multiplug to ECT sensor.
10. Top up cooling system.
11. Run engine to normal operating temperature. Check for leaks around ECT sensor.

## CRANKSHAFT POSITION SENSOR (CKP SENSOR)

Service repair no - 18.30.12

### Remove

1. Disconnect battery negative lead.
2. Raise vehicle on ramp.



3. Remove 2 bolts securing sensor/shield to engine backplate.
4. Remove sensor/shield.
5. Remove shield.
6. Disconnect sensor multiplug and remove sensor.
7. Remove spacer from sensor.



**CAUTION: All vehicles have a spacer fitted to the sensor. Ensure spacer is correctly refitted.**

### Refit

8. Clean mating faces.
9. Fit spacer to sensor.
10. Position sensor and connect multiplug.
11. Position shield to sensor and align sensor/shield to engine backplate.
12. Fit bolts. Tighten to **6 Nm**.
13. Lower ramp.
14. Reconnect battery negative lead.