

## Section C7

**System test and  
fault diagnosis**

## Upper sensor chain cable faults

Fig. C39

This chart enables the user to isolate a cable fault in the sensor chain by separately testing each cable for open circuit (broken cable) or short circuit (earth fault).

When a cable fault is suspected, disconnect the first cable as shown at the top of the chart, test it with the resistance meter and if it is satisfactory, reconnect it and test the next cable in the circuit. If a faulty cable is found, rectify the fault and measure the total sensor chain resistance to ensure that another fault does not exist.

If the fault is a short circuit, the simplest remedy is to sever the cable at each end by cutting it or disconnecting it and insulating the ends with tape, then insert a new length of cable.