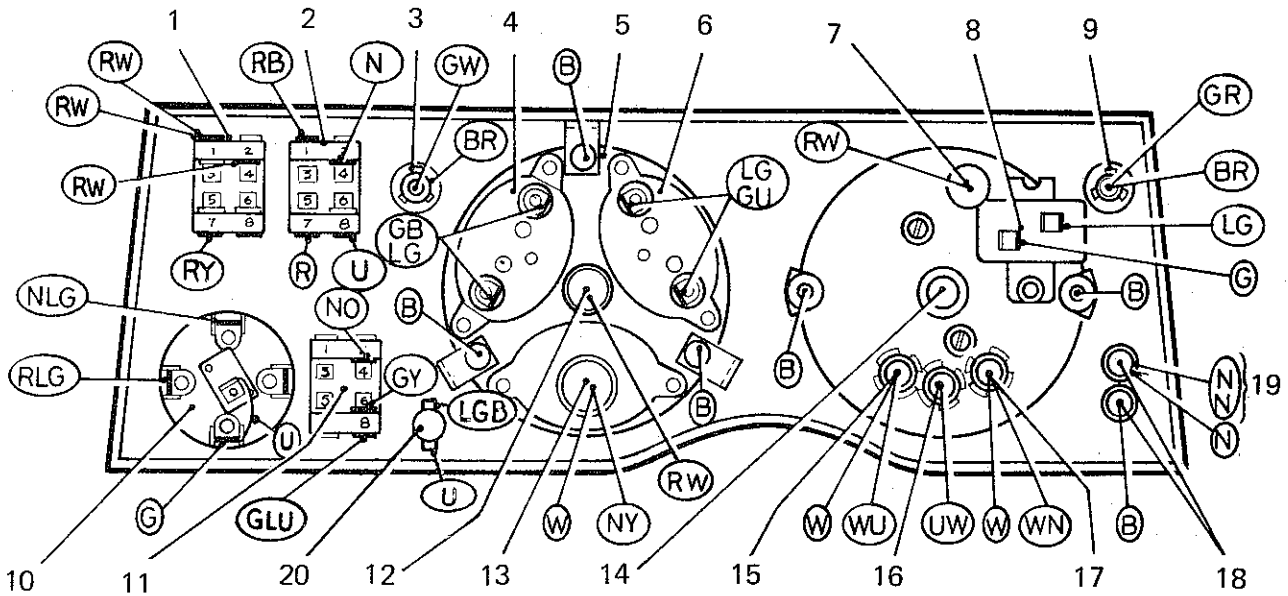


INSTRUMENT OPERATIONS

Coolant temperature gauge —remove and refit .. .. .	88.25.14
Coolant temperature transmitter —remove and refit .. .. .	88.25.20
Fuel contents gauge —remove and refit .. .. .	88.25.26
Fuel tank gauge unit —remove and refit .. .. .	88.25.32
Instrument panel —remove and refit .. .. .	88.20.01
Oil pressure warning switch —remove and refit .. .. .	88.25.08
Speedometer —remove and refit .. .. .	88.30.01
Speedometer cable complete —remove and refit .. .. .	88.30.06
Speedometer cable, inner —remove and refit .. .. .	88.30.07
Voltage stabilizer —remove and refit .. .. .	88.20.26





IRC 860

Key to view of instrument panel and wiring

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1. Panel light switch.                | 11. Heater switch                    |
| 2. Lighting switch.                   | 12. Panel illumination light.        |
| 3. R.H. turn indicator warning light. | 13. Battery charge warning light.    |
| 4. Fuel contents gauge.               | 14. Speedometer drive head.          |
| 5. Grouped instruments.               | 15. Cold start warning light.        |
| 6. Coolant temperature gauge.         | 16. Headlamp mainbeam warning light. |
| 7. Panel illumination light.          | 17. Oil pressure warning light.      |
| 8. Instruments voltage stabilizer.    | 18. Inspection lamp sockets.         |
| 9. L.H. turn indicator warning light. | 19. Leads for Petrol models.         |
| 10. Wiper switch.                     | 20. Washer switch.                   |

Key to electrical cable colours

Where cables have two colour code letters, the first denotes the main colour and the latter denotes the tracer colour.

- |          |          |         |
|----------|----------|---------|
| B Black  | G Green  | R Red   |
| U Blue   | O Orange | S Slate |
| N Brown  | P Purple | W White |
| Y Yellow | D Dark   | L Light |



**COOLANT TEMPERATURE GAUGE**

—Remove and refit

88.25.14

**Removing**

1. Withdraw the instrument panel. 88.20.01. (Items 1 to 5) and locate the coolant temperature gauge (illustrated on page 88.2).
2. Remove the three knurled nuts at the grouped instrument clamp brackets.
3. Withdraw the three earth lead eyelets and shakeproof washers from the clamp studs.
4. Withdraw the grouped instrument clear of the instrument panel.
5. Disconnect the 'Lucar' connectors.
6. Remove the fixing screws and withdraw the coolant temperature gauge.

**Refitting**

7. Reverse 1 to 6. Fit the 'Lucar' connectors either way round.

**COOLANT TEMPERATURE TRANSMITTER**

— Remove and refit

88.25.20

**Removing**

1. Partly drain the engine coolant. 26.10.01.
2. Locate the transmitter at the R.H. side of engine forward of carburettor.
3. Disconnect the electrical lead.
4. Remove the temperature transmitter.

**Refitting**

5. Reverse 1 to 4. Do not overtighten; check for coolant leakage after initial engine run.



**INSTRUMENTS**

---

**FUEL CONTENTS GAUGE**

--Remove and refit

88.25.26

**Removing**

1. Withdraw the instrument panel. 88.20.01. (items 1 to 5) and locate the fuel contents gauge (illustrated on page 88.2).
2. Remove the three knurled nuts at the grouped instrument clamp brackets.
3. Withdraw the three earth lead eyelets and shakeproof washers.
4. Withdraw the grouped instrument clear of the instrument panel.
5. Disconnect the 'Lucar' connectors.
6. Remove the fixing screws and withdraw the fuel contents gauge.

**Refitting**

7. Reverse 1 to 6. Fit the 'Lucar' connectors either way round.



**FUEL TANK GAUGE UNIT**

—Remove and refit

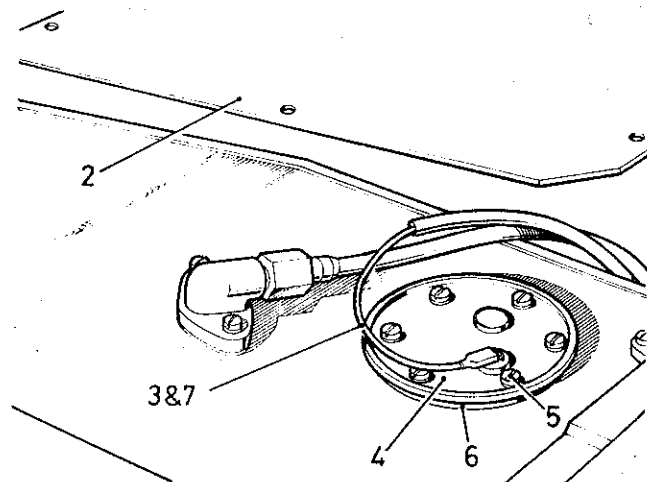
88.25.32.

**Removing**

1. Disconnect the battery earth lead.
2. Remove the R.H. seat cushion and tank cover panel.
3. Disconnect the electrical lead at the gauge unit.
4. Mark the gauge unit position in relation to the tank.
5. Remove the fixings and withdraw the gauge unit.

**Refitting**

6. Fit the gauge unit, using a suitable fuel resistant jointing compound ('Osotite' or similar) on the new joint washer.
7. Connect the Green/black electrical lead to connector "T".  
The gauge unit is earthed through the tank-to-chassis fixings.
8. Reverse 1 to 3.



**INSTRUMENTS**

**SPEEDOMETER**

—Remove and refit 88.30.01

**Removing**

1. Withdraw the instrument panel. 88.20.01 (items 1 to 5).
2. Remove the knurled nuts at the speedometer clamp brackets.
3. Withdraw the earth lead eyelets and shakeproof washers from the clamp studs.
4. Withdraw the speedometer clear of the instrument panel.
5. Withdraw the warning lamps and illumination lamp bulb holders and withdraw the speedometer.
6. Remove the voltage stabilizer from the speedometer.

**Refitting**

7. Reverse 1 to 6, referring to the illustration, page 88.2, if necessary, for warning lamp bulbs correct location.

**SPEEDOMETER CABLE**

—Remove and refit

Cable complete, items 1, 2, 4, 5 and 6 88.30.06

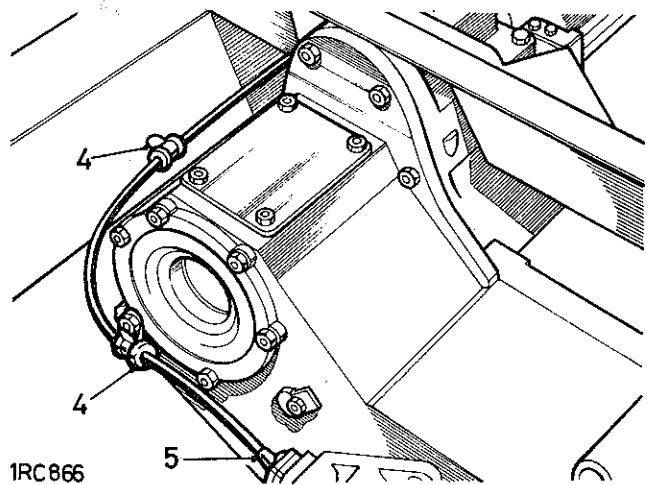
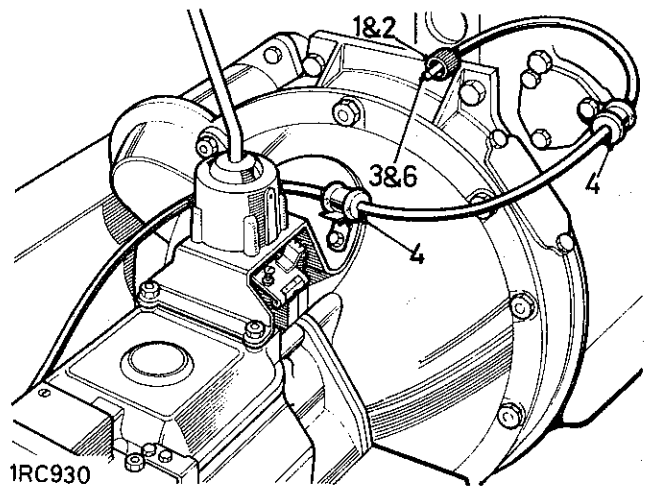
Inner cable, items 1, 2, 3 and 6 88.30.07

**Removing**

1. Withdraw the instrument panel and disconnect the speedometer cable. 88.20.01. (items 1 to 4).
2. Withdraw the speedometer cable end into the engine compartment.
3. Withdraw the inner cable from the outer.
4. Detach the speedometer cable grommets from the securing clips at the engine, flywheel housing, chassis sidemember and transfer gearbox.
5. Disconnect the cable at the gearbox.

**Refitting**

6. Reverse items 1 to 5 as applicable. When replacing the inner cable, grease sparingly with general purpose grease. Ensure that the inner cable is engaged in the drive slot at the gearbox.



## INSTRUMENT PANEL

—Remove and refit

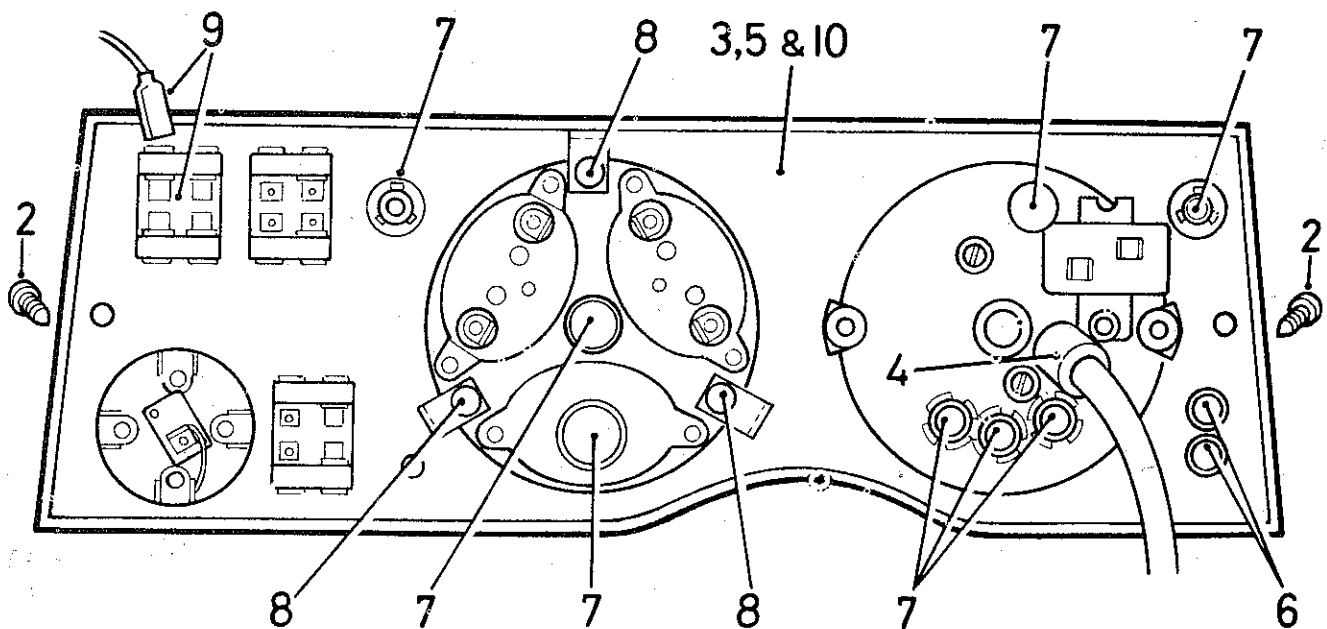
88.20.01

## Removing

1. Disconnect the battery earth lead.
2. Remove the instrument panel fixings.
3. Withdraw the instrument panel clear of the dash. If necessary, remove the steering wheel.
4. Depress the spring clip and withdraw the cable assembly from the speedometer.
5. Withdraw the instrument panel sufficient to gain access to the wiring connections.
6. Remove the inspection lamp socket leads.
7. Withdraw all warning and illumination lamp leads and bulbs complete with holders.
8. Disconnect the earth lead terminals at the knurled nuts on the grouped instrument.
9. Disconnect all 'Lucar' connectors.
10. Withdraw the instrument panel and instruments complete.

## Refitting

11. Reverse 1 to 10, refer as necessary to the wiring diagram on page 88.2



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### VOLTAGE STABILIZER

—Remove and refit

88.20.26

#### Removing

1. Withdraw the instrument panel clear of the dash. 88.20.01 (items 1 to 5) and locate the voltage stabilizer (illustrated on page 88.2).
2. Disconnect the two 'Lucar' connectors.
3. Remove the fixing.
4. Withdraw the voltage stabilizer.

#### Refitting

5. Connect the electrical leads to the voltage stabilizer as follows:  
Green lead to terminal 'B'.  
Light green lead to terminal 'T'.
6. Reverse 1 to 4.

### OIL PRESSURE WARNING SWITCH

—Remove and refit

88.25.08

#### Removing

1. Locate the switch at the lower end of the rocker oil feed pipe, rear L.H. side of the engine.
2. Disconnect the electrical lead.
3. Unscrew the switch.
4. Withdraw the joint washer.

#### Refitting

5. Reverse 1 to 4 as applicable.

