D VEHICLES ALL TYPES
⟵ *9/1969*

FITTING WATER TEMPERATURE GAUGE

All D type vehicles produced since September 1969 can be fitted with water temperature gauge :
Proceed as follows :

A. OBTAIN FROM REPLACEMENT PARTS DEPARTMENT :

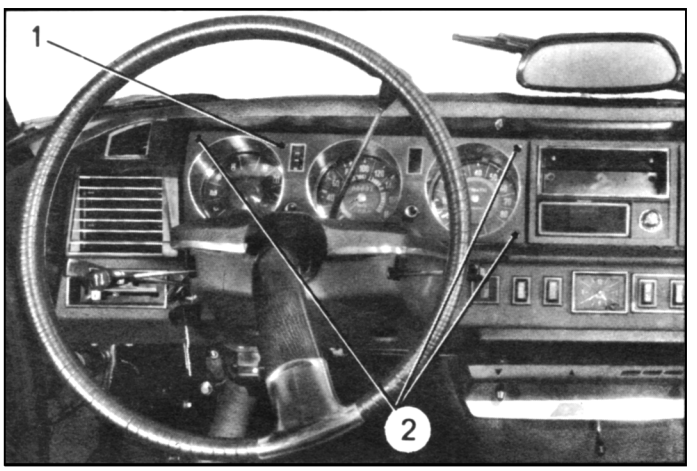
- 1 Water temperature gauge ..... DX. 521-215 A
- 3 Water temperature gauge fixing screws ..... ZD 9 096 100 U

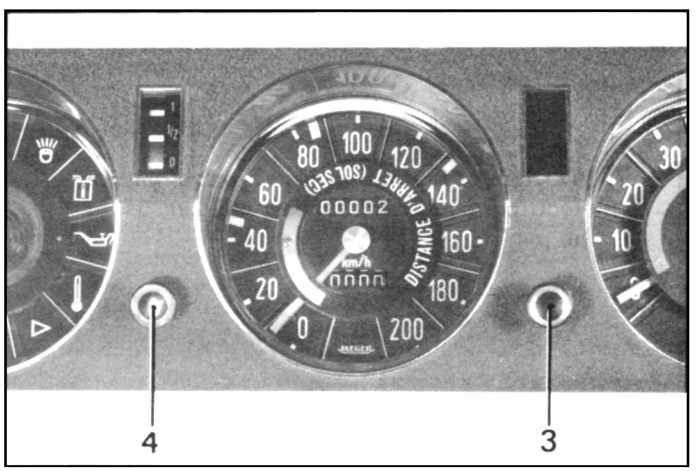
For D vehicles All Types (and D.IE vehicles All Types ⟵ 9/1972)

- 1 Thermometer sensor ϕ = 18 mm thread pitch 1.50 ..... 1 D 5 413 327 L
- 1 Copper gasket ..... ZD 9 246 600 U

For D.IE vehicles All Types ⟵ 9/1972

- 1 Thermometer sensor ϕ = 16 mm thread pitch 1.50 ..... 1 D 5 428 845 K
- 1 Copper gasket ..... ZD 9 247 800 U
- 1 Flat spur connector ..... DX 511-99
- 1 Flat terminal lug ϕ = 4 mm ..... ZC 9 614 541 U
- 1 Female Gelbey plug ..... 1 M 5 420 487 M
- 1 Male Gelbey plug ..... 1 A 5 412 276 M
- 1 Rubber ring ..... 1 M 5 420 488 Y
- 1.600 m. electric wire ϕ = 12/10 mm ..... ZC 9 003 733 U
- 3 green insulators
- 1.500 m. insulation sleeving ϕ = 5 mm





B. INSTALLATION PROCEDURE

1. Disconnect lead from negative terminal of battery.

2. **Removal of instrument panel :**

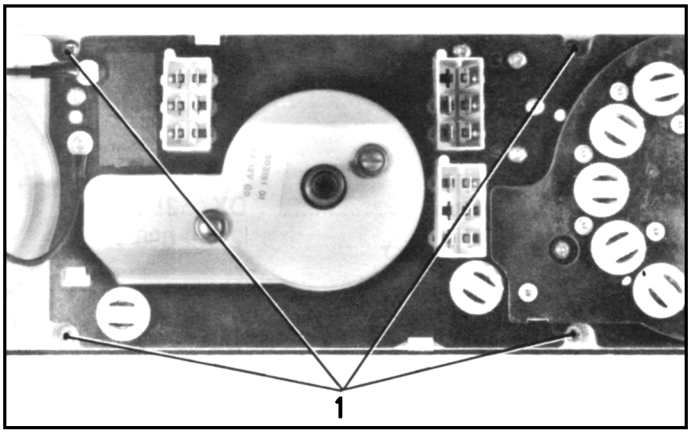
   Uncouple speedometer drive cable gearbox side, (on a level with alternator).

   Remove four fixing screws (2) of instrument panel (1).

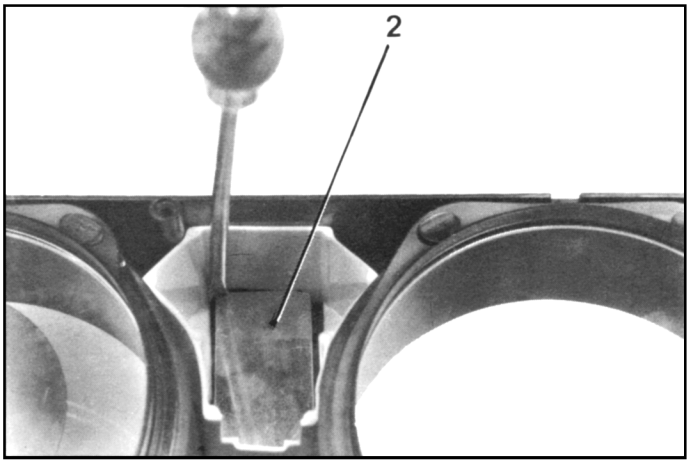
   Freeing instrument panel (1) :
   - Uncouple speedometer drive cable.
   - Remove the three connectors from the sockets on the instrument panel.
     Remove the instrument panel.

3. Remove :
   - Red « STOP » indicator lamp cluster control knob (4),
   - Trip totaliser re-set knob (3).

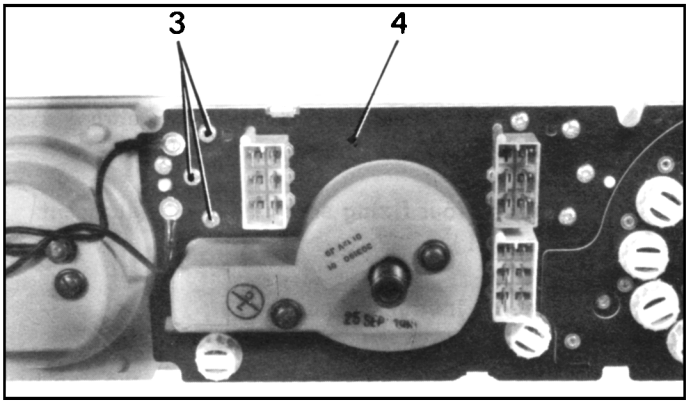
   NOTE : These two knobs are a « push-on » fit. To remove, pull off.



4. Remove the four screws (1) and disconnect front of instrument panel from the rear part of electrical equipment support bracket.



5. Free metal cover (3) from housing provided for water temperature gauge (symetrically positioned with petrol gauge) Use a screwdriver to free the cover (2) from its upper and lower notches.



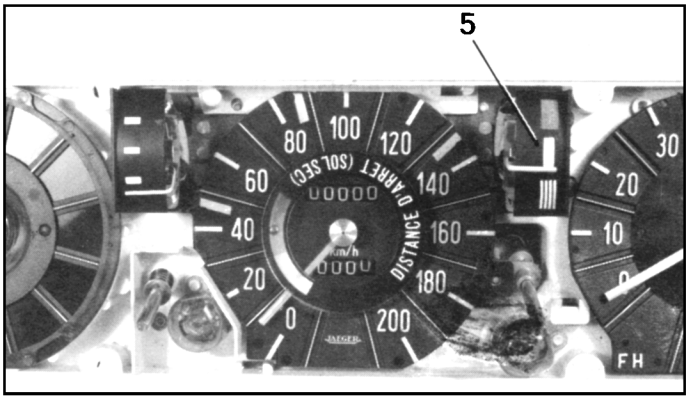
6. Fix water temperature gauge (5) with three screws (3).

Proceed as follows :

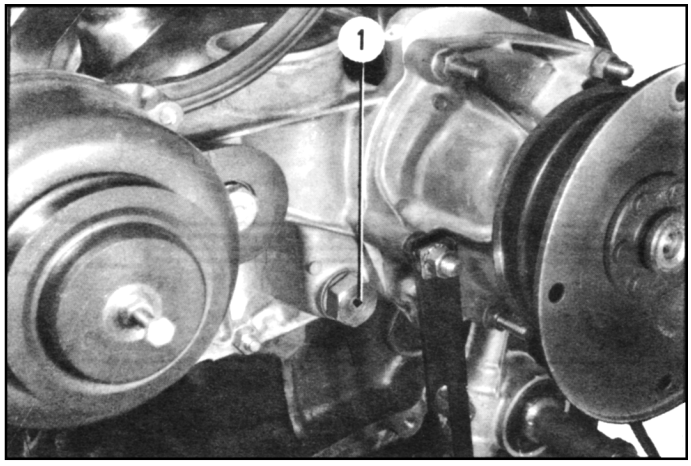
a) Detach adhesive masking tape covering fixing holes in rear panel (4) (printed circuit)

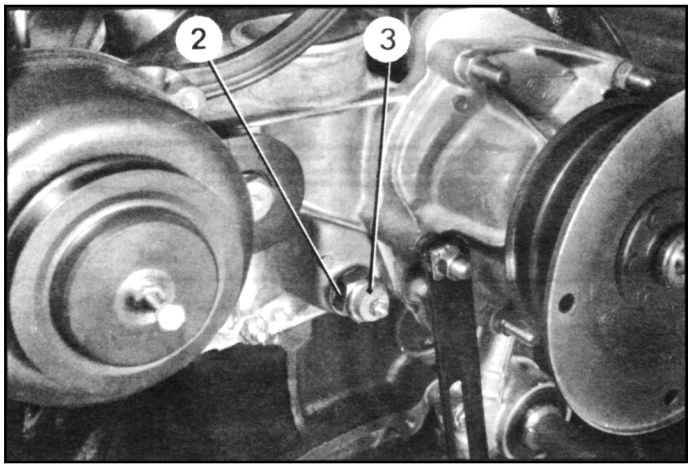
b) Locate the two rear connectors of temperature gauge into sockets provided in rear panel (4) (printed circuit).

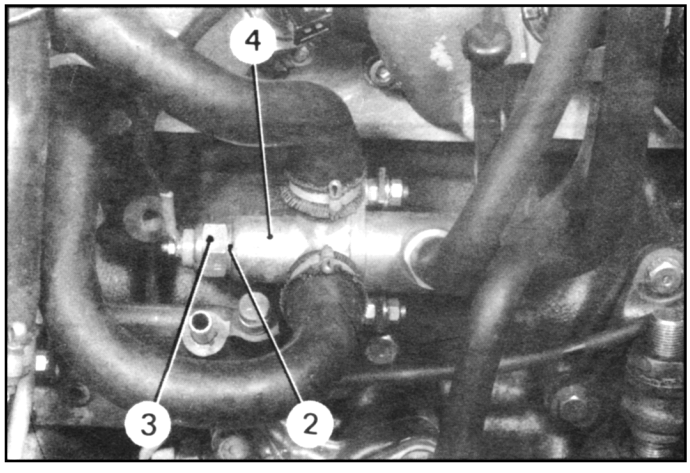
c) Tighten the three screws (3).

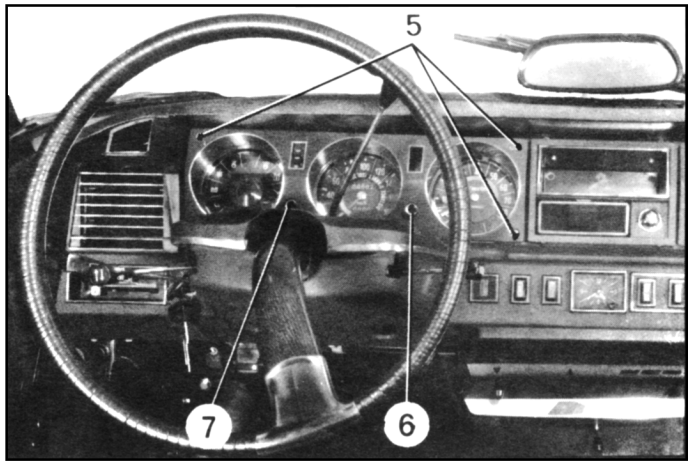


7. Fix front of instrument panel to rear part of electrical equipment support bracket, using the four screws (1).









8. Fitting thermal sensor (3) :

a) On water pump casing :

D vehicles All Types (and D.IE All Types ⟶| *9/ 1972)*

Remove plug (1) and place thumb over hole in water pump casing to prevent escape of coolant.

Position thermal sensor (3) complete with its gasket (2) on water pump housing, working as quickly as possible to avoid loss of coolant.

b) On supplementary air control (4) :

D.IE vehicles All Types |⟶ *9/ 1972*

Drain unit, recovering cooling water.

Remove plug mounted at the end of supplementary air control (4) and fit thermal sensor (3) complete with gasket (2).

Fill cooling system circuit, using water recovered.

9. Connect as shown at figure 1 (see page 4).

10. Fitting instrument panel :

Position instrument panel.

Connect flexible cable to speedometer.
Plug in the three connectors on the sockets on the instrument panel.

Fix panel with four screws (5).

Connect speedometer cable to gearbox (at alternator level) **taking care to fit the insulating sleeve over the cable joint to prevent it short circuiting the alternator terminals.**

11. With their notches correctly positioned, install the two knobs (6) and (7) and press them fully home.

12. Connect lead to negative terminal of battery.

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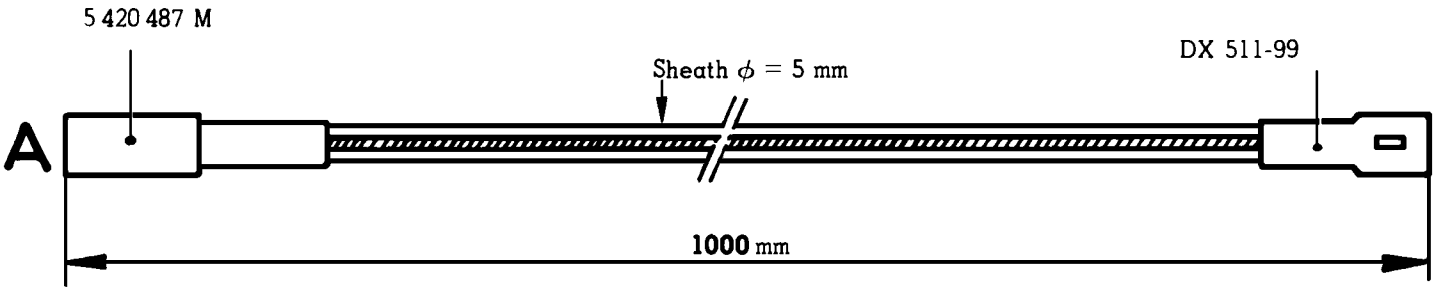

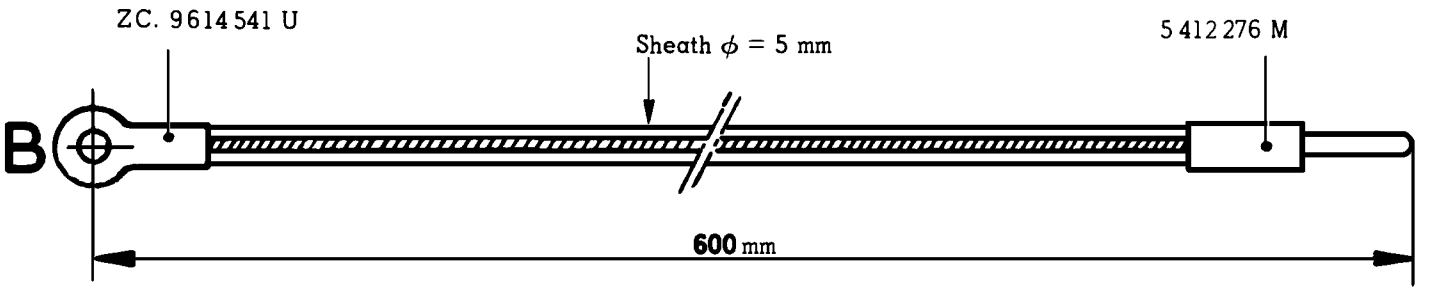

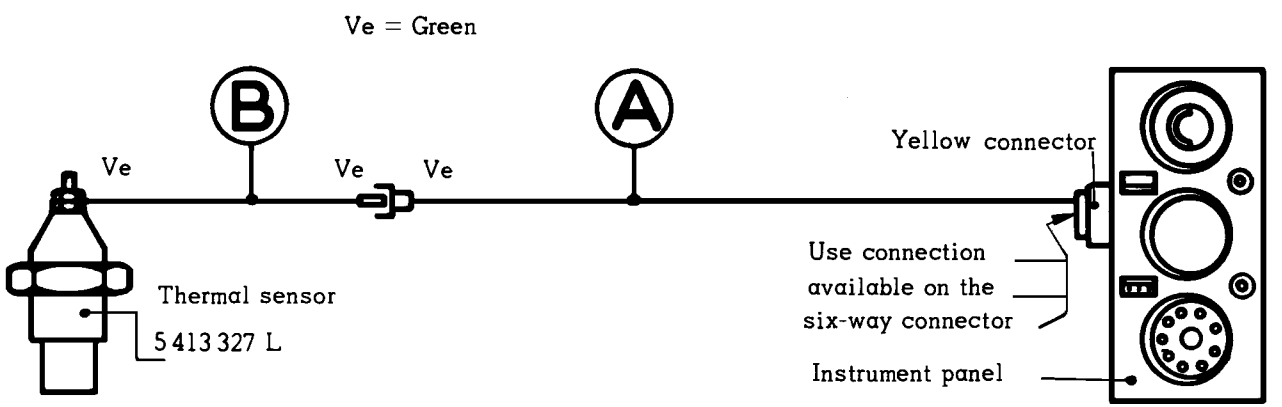

NOTE : Wires A and B should follow the same path as front right-hand wiring harness of the vehicle, and should be secured with rubber clips at intervals of about 300 mm.