TECHNICAL NOTE
Edition Anglaise

FEBRUARY 1998
77 11 198 054

2924A
Service 0422

Type XXX X

S/Section 83

RENAULT All Types

83 FAULT FINDING - INSTRUMENT PANELS

- Engine : **XXX**
- Gearbox : **XXX**

Basic Manual : **NT 2863A**

In Charts 7 and 8 of Technical Note 2863A, please read "speedometer" instead of "rev counter" and the values should be shown in "km/h" instead of "rpm".

Please note this information and affix Chart 7 in place of page 83-11 and Chart 8 in place of page 83-12 of Technical Note 2863A.

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed".

All copyrights reserved by Renault.

Copying or translating, in part or in full, of this document or use of the service part reference numbering system is forbidden without the prior written authority of RENAULT.

© **RENAULT 1998**

FAULT FINDING CHARTS

CHART 7	**SPEEDOMETER PROBLEM (vehicles fitted with an electric speedometer). Needle vibrates or oscillates or no needle movement and total mileage recorder does not operate.**

NOTES	Check that the system connectors are engaged correctly. Take care not to damage the connectors during checks.

Check that the speed sensor is connected and secured correctly.
Is the speed sensor secured correctly?

no → Secure the speed sensor correctly.

yes ↓

Disconnect the speed sensor connector.
Connect the XR25.
Use the frequency generation function (key **G**, output terminal **G**). Connect the frequency generator wire to the "**vehicle speed**" input of the connector (connector wiring end).
With the ignition on, enter on the XR25 :

- G 1 the speedometer should indicate ~ **36 km/h**.
- G 3 the speedometer should indicate ~ **108 km/h**.
- G 5 the speedometer should indicate ~ **180 km/h**.

Does the speedometer needle indicate these values without vibrating or oscillating?

yes → Change the speed sensor.

no ↓

Check the condition of the electrical wiring between the **speed sensor and the "vehicle speed" input** on the instrument panel.
Is the electrical wiring in good condition?

no → Repair the electrical wiring between the instrument panel and the speed sensor.

yes ↓

Change the speedometer or the instrument panel depending on instrument panel model.

AFTER REPAIR	Adjust the various instrument panel functions (clock, etc...) if necessary. Check that all the instrument panel functions operate correctly.

ntt1106.0

FAULT FINDING CHARTS

CHART 8	**SPEEDOMETER PROBLEM (vehicles fitted with an electric speedometer). No needle movement, but total mileage recorder operates or needle movement correct but total mileage recorder does not operate.**

NOTES	Check that the system connectors are engaged correctly. Take care not to damage the connectors during checks.

Check that the speed sensor is connected and secured correctly.
Is the speed sensor secured correctly?

no → Secure the speed sensor correctly.

yes ↓

Disconnect the speed sensor connector.
Connect the XR25.
Use the frequency generation function (key **G**, output terminal **G**). Connect the frequency generator wire to the "**vehicle speed**" input of the connector (connector wiring end).
With the ignition on, enter on the XR25:

- G 1 , the speedometer should indicate ~ **36 km/h**.
- G 3 the speedometer should indicate ~ **108 km/h**.
- G 5 , the speedometer should indicate ~ **180 km/h**.

Does the speedometer needle indicate these values without vibrating or oscillating?

yes → Change the speed sensor.

no ↓

Check the condition of the electrical wiring between the **speed sensor and the "vehicle speed" input** on the instrument panel.
Is the electrical wiring in good condition?

no → Repair the electrical wiring between the instrument panel and the speed sensor.

yes ↓

Change the speedometer or the instrument panel depending on instrument panel model.

AFTER REPAIR	Adjust the various instrument panel functions (clock, etc...) if necessary. Check that all the instrument panel functions operate correctly.

ntt1106.0