



Technical Note 6513A

Basic Document: M.R 346

FAULT FINDING – AIRBAG AND PRETENSIONERS

**AB8.2E
N° Vdiag: 10**

This note cancels and replaces pages 88-36 and 88-39 in MR-346

Edition 2 - OCTOBER 2007

EDITION ANGLAISE

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

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

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1. SCOPE OF THIS DOCUMENT

This document presents the fault finding method applicable to all computers with the following specifications:

Vehicle(s): CLIO III
Function concerned: Airbag and pretensioner

Computer name: AB8.2E
N° Vdiag: 10

2. PRE-REQUISITES FOR FAULT FINDING**Documentation type:**

Fault finding procedures (this document):

- Assisted fault finding (integrated into the diagnostic tool), Dialogys.

Wiring Diagrams:

- Visu-Diagram (CD-ROM), paper.

Type of diagnostic tools:

- CLIP + multiplex line sensor

Special tooling required:

Special tooling required	
Multimeter.	
Elé. 1681	Universal terminal

DF253 PRESENT	<u>REAR LEFT-HAND SEAT BELT INERTIA REEL CIRCUIT.</u> CC : Short circuit CO : Open circuit CC.1 : Short circuit to 12 volts CC.0 : Short circuit to earth 1DEF : Short circuit between ignition lines
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NOTES	Priorities in dealing with a number of faults: In the event of 1.DEF short circuit between 2 ignition lines, follow the procedure below and the procedure for the second fault, to locate the short circuit.
	Special notes: Never carry out measuring operations on ignition lines using any tool other than CLIP, NXR or XRBAG. Use the B54 adapter to work on the computer connector (Cable K).

CO - CC	NOTES	None
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Lock the computer.

Switch off the ignition and check that the **white 2-track** connector for the rear left-hand pyrotechnic inertia reel is correctly connected (situated below the rear parcel shelf attachments, behind the rear wing soundproofing).

Disconnect the white **2-track** connector and check its connections to the connector.

The CLIP, NXR or XRBAG tools **MUST** be used to measure the resistance at **point C1** of the rear left-hand pyrotechnic inertia reel.

If the value obtained is incorrect, the rear left-hand pyrotechnic inertia reel is faulty.

Replace the rear left-hand pyrotechnic inertia reel.

If the value obtained is correct, reconnect the **white 2-track** connector.

Disconnect the computer connector and check the connection to the connector (**tracks 16 and 41**).

Fit the **B54 50-track** adaptor.

The CLIP, NXR or XRBAG tool **MUST** be used to check the resistance on **cable K** of the adapter.

If the value obtained is incorrect, the wiring is faulty between the computer and the **white 2-track** intermediate connection (**C0/C1**).

Replace the wiring.

AFTER REPAIR	Reconnect the computer and the seat belt retractor, then switch on the ignition again. Clear the computer memory then switch off the ignition. Carry out the check again using the diagnostic tool and if there is no fault, unlock the computer. If the pyrotechnic seat belt inertia reel has been replaced, destroy the old one (tool Elé. 1287).
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DF253
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CC.1 - CC.0

NOTES

None

Lock the computer.

Switch off the ignition and check that the **white 2-track** connector for the rear left-hand pyrotechnic inertia reel is correctly connected (situated below the rear parcel shelf attachments, behind the rear wing soundproofing).

Disconnect the white **2-track** connector and check its connections to the connector.

The CLIP, NXR or XRBAG tool MUST be used to measure the insulation for the type of fault at **point C1** of the rear left-hand seat belt inertia reel.

If the value obtained is incorrect, the rear left-hand pyrotechnic inertia reel is faulty.

Replace the rear left-hand pyrotechnic inertia reel.

If the value obtained is correct, reconnect the **white 2-track** connector.

Disconnect the computer connector and check the connection to the connector (**tracks 16 and 41**).

Fit the **B54 50-track** adaptor. The CLIP, NXR or XRBAG tools must be used to measure the insulation for the type of fault on **cable K** of the adaptor.

If the value obtained is incorrect, the wiring is faulty between the computer and the **white 2-track** intermediate connection (**C0/C1**).

Replace the wiring.

AFTER REPAIR

Reconnect the computer and the seat belt retractor, then switch on the ignition again. Clear the computer memory then switch off the ignition.

Carry out the check again using the **diagnostic tool** and if there is no fault, unlock the computer.

If the pyrotechnic seat belt inertia reel has been replaced, destroy the old one (tool Elé. 1287).

DF252 PRESENT	<u>REAR RIGHT-HAND SEAT BELT INERTIA REEL CIRCUIT.</u> CC : Short circuit CO : Open circuit CC.1 : Short circuit to 12 volts CC.0 : Short circuit to earth 1DEF : Short circuit between ignition lines
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NOTES	Priorities when dealing with a number of faults: In the event of 1.DEF short circuit between 2 ignition lines, follow the procedure below and the procedure for the second fault, to locate the short circuit.
	Special notes: Never carry out measuring operations on ignition lines using any tool other than CLIP, NXR or XRBAG. Use the B54 adaptor to work on the computer connector (Cable L).

CO - CC	NOTES	None
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Lock the computer.

Switch off the ignition and check that the **white 2-track** connector for the rear right-hand pyrotechnic inertia reel is correctly connected (situated below the rear parcel shelf attachments, behind the rear wing soundproofing).

Disconnect the white **2-track** connector and check its connections to the connector.

The CLIP, NXR or XRBAG tools **MUST** be used to measure the resistance at **point C1** of the rear right-hand pyrotechnic inertia reel.

If the value obtained is incorrect, the rear right-hand pyrotechnic inertia reel is faulty.

Replace the rear right-hand pyrotechnic inertia reel.

If the value obtained is correct, reconnect the **white 2-track** connector.

Disconnect the computer connector and check the connections to the connector (**tracks 42 and 17**).

Fit the **B54 50-track** adaptor.

The CLIP, NXR or XRBAG tools must be used to check the resistance on **cable L** of the adaptor.

If the value obtained is incorrect, the wiring is faulty between the computer and the **white 2-track** intermediate connection (**C0/C1**).

Replace the wiring.

AFTER REPAIR	Reconnect the computer and the seat belt retractor, then switch on the ignition again. Clear the computer memory then switch off the ignition. Carry out the check again using the diagnostic tool and if there is no fault, unlock the computer. If the pyrotechnic seat belt inertia reel has been replaced, destroy the old one (tool Elé. 1287).
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DF252
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CC.1 - CC.0

NOTES

None

Lock the computer.

Switch off the ignition and check that the **white 2-track** connector for the rear right-hand pyrotechnic inertia reel is correctly connected (situated below the rear parcel shelf attachments, behind the rear wing soundproofing).

Disconnect the white **2-track** connector and check its connections to the connector.

The CLIP, NXR or XRBAG tools MUST be used to measure the resistance at **point C1** of the rear right-hand pyrotechnic inertia reel.

If the value obtained is incorrect, the rear right-hand pyrotechnic inertia reel is faulty.

Replace the rear right-hand pyrotechnic inertia reel.

If the value obtained is correct, reconnect the **white 2-track** connector.

Disconnect the computer connector and check the connections to the connector (**tracks 42 and 17**).

Fit the **B54 50-track** adaptor.

The CLIP, NXR or XRBAG tools must be used to check the resistance on **cabl e L** of the adaptor.

If the value obtained is incorrect, the wiring is faulty between the computer and the **white 2-track** intermediate connection (**C0/C1**).

Replace the wiring.

AFTER REPAIR

Reconnect the computer and the seat belt retractor, then switch on the ignition again.
Clear the computer memory then switch off the ignition.

Carry out the check again using the **diagnostic tool** and if there is no fault, unlock the computer.

If the pyrotechnic seat belt inertia reel has been replaced, destroy the old one (tool Elé. 1287).