



TECHNICAL NOTE 3561A

XB0X

FAULT FINDING UCH

**PROGRAM No.: 3.9 and above
VDIAG no.: 04**

This note cancels and replaces pages 87-1 to 87-62 in section 8 of Workshop Repair Manual 346

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EDITION ANGLAISE

*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 introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed.

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FAULT FINDING - INTRODUCTION

This document contains the general fault finding procedures applicable to all the computers for the UCH functions of all phase 2 CLIO II vehicles, all engine types except F9Q.

To carry out fault finding on this system, it is essential to have the following items:

- The Workshop Repair Manual for the vehicle concerned,
- The electrical circuit diagram of the function for the vehicle concerned,
- The tools listed under Special tooling required.

GENERAL APPROACH TO FAULT FINDING:

- Use one of the diagnostic tools to identify the system fitted to the vehicle (to read the computer group, the program number, the Vdiag, etc.).
- Locate the Fault finding documents corresponding to the system identified.
- Take note of information contained in the introductory sections.
- Read the faults stored in the computer memory and use the Fault interpretation section of the documents.
Reminder: Each fault is interpreted for a particular type of storage (fault present, fault stored in memory, fault present or stored). The checks defined for dealing with each fault are therefore only to be performed if the fault declared by the diagnostic tool is interpreted in the document for the way it is stored. The storage type should be considered when using the diagnostic tool after the ignition has been switched off and switched back on. If a fault is interpreted when it is declared as stored, the conditions for applying fault finding appear in the NOTES box. When these conditions are not satisfied, use the fault finding procedure to check the circuit of the faulty part since the fault is no longer present on the vehicle. Perform the same operation when a fault is declared as stored by the diagnostic tool but is only interpreted in the documentation as a present fault.
- Perform the conformity check (appearance of possible incorrect operations not yet declared by the system's self diagnosis procedure) and apply the associated fault finding strategy according to results.
- Confirm the repair (disappearance of the problem reported by the customer).
- Use the fault finding strategy for each Customer complaint if the problem persists.

SPECIAL TOOLING REQUIRED:

- diagnostic tool (except XR25),
- electrical bornier **ELÉ.1622**
- multimeter.

FAULT FINDING - INTRODUCTION

FUNCTIONS REQUIRED

UCH FEATURES REQUIRED	UCH basic	UCH top of range	soldered relays
indicators and hazard warning lights	*	*	
interior lighting (timed) with radio frequency locking	*	*	
supervisor type interior supply	*	*	*
audible signal control built into the instrument panel	*	*	
side light input for lights on reminder buzzer	*	*	
overspeed function (ARABIA)	*		
low speed front windscreen wiper	*	*	*
high speed front windscreen wiper	*	*	*
variable timing allowed (unless rain sensor present)		*	
fixed pause input for front windscreen wiper	*	*	
rain sensor		*	
light sensor (except extreme cold countries)		*	
automatic headlights		*	
rear screen wiper	*	*	*
rear fixed pause input	*	*	
reverse input	*	*	
heated rear screen timing	*	*	*
management of heated rear screen warning light by multiplex system			
management of door and window locking/unlocking	*	*	*
management of electric central door locking by radio frequency	*	*	
door and window management when vehicle is in motion	*	*	
unlocking on impact	*	*	
door locking warning light	*	*	
door open warning light by multiplex system to the instrument panel	*	*	
radio frequency system (two key remote control)	*	*	
encoded transponder / engine immobiliser	*	*	
fault finding	*	*	
wired engine immobiliser warning light	*	*	
vehicle speed multiplex	*	*	
timed headlight washer (cold countries) except Denmark		*	
running lights (extreme cold countries)	*	*	
one-touch driver / passenger electric windows	* / -	* / *	*
activation of factory-fitted alarm			
starter relay	*	*	
after ignition relay	*	*	*

FAULT FINDING - INTRODUCTION

UCH functions

WINDSCREEN WIPER

Variable timing of front windscreen wiper

Only functions with ignition on and if the switch is in intermittent position; it is implemented at low speed.

A 5-position ISO selector (1 to 5), located on the wiper stalk, changes the resistance in series on the control line. The UCH should, as a result of this signal, vary the interval between two wipes, corresponding to the pause time between the two wipes.

Wiper interval according to the ring position.

Ring position	Interval between wipes
1 slow interval	14 seconds
2	10 seconds
3	6 seconds
4	3 seconds
5 fast interval	1 second

Timing of rear screen wiper

The rear screen wiper timer function is only operational with the ignition on and if the wiper stalk is in the rear intermittent position; the interval between two wipes is equal to 5 seconds.

Rear screen wiper timing is triggered by reverse gear.

The presence of + after ignition feed with reverse gear engaged and the front wiper control set to low or high speed or intermittent is equivalent to a rear wiper timing signal.

The absence of any one of these conditions will stop the timing.

The UCH remains in rear wiper timing mode for as long as reverse gear is selected.

Rain sensor

The rain sensor allows automatic operation of the wipers and the control of the wiper speeds as a result of the quantity of water on the windscreen.

A series connection controls the rain and light sensor. This sensor is implanted in the windscreen.

The rain sensor is activated by moving the wiper stalk into the intermittent position, and sensitivity adjustment is made through a five position ISO selector (**from 1 to 5**), located on the wiper stalk (**1 low sensitivity to 5 high sensitivity**). If the wiper stalk is already in the intermittent on position when the ignition is switched on, the rain sensor is blocked. The function is released again by resetting the wiper stalk to intermittent position.

On the other hand, if the low speed or high speed commands are present when the ignition is switched on, these commands are accepted.

FAULT FINDING - INTRODUCTION

LIGHTING

Headlight washers

Functions for cold zones with the top of range UCH: the unit should ensure the timing of the headlight washer. It should only control them if the lights stalk is in the dipped headlights or main beam headlight position and if a headlight washer command is activated for a period of more than 0.5 seconds. The activation period of the headlight washer pump relay is 800 milliseconds. The pump should be activated in one direction then the other, alternate control.

Running lights

Functions for cold zones with the top of range UCH: When the lighting stalk is in the park position, the appearance of + after ignition feed switches on the side lights and dipped headlights. The other functions are identical to the French version.

Light sensor

The light sensor enables the dipped headlights to be switched on as a reaction to the amount of light.

The connection is shared with the rain sensor.

It is possible to activate or deactivate the function by means of the lighting stalk.

Two cycles of switching the side lights on and off in less than 4 seconds confirm the initiation or cancellation of the function by an audible signal.

The lights are only switched on automatically with the engine running.

FAULT FINDING - INTRODUCTION**Pin-out and connections**

The connectors, three in all, are as follows:

Black 40-track P201 connector:

PIN	Signal
1	Side light relay output
2	Dipped beam input
3	Passenger side one-touch window lower input
4	Passenger side one-touch window raise input
5	Engine immobiliser LED output
6	Windscreen wiper sequencing input
7	+battery
8	Transporter line input
9	CAN L
10	CAN H
11	Dipped beam relay output
12	Main beam input
13	Rain sensor serial line
14	Starter relay output
15	Electric door locking LED output
16	Rear wiper park switch input
17	Windscreen wiper park switch input
18	K diagnostic line
19	CAN L
20	CAN H
21	Windscreen wiper high-speed input
22	Windscreen wiper low-speed input
23	Relay plate
24	Rear screen washer input
25	Windscreen washer input
26	Side light input
27	Left side indicator input
28	Right side indicator input
29	Hazard warning light input
30	Rear door switch input
31	Hazard warning light output
32	Reverse gear switch input
33	+ after ignition
34	Rear screen wiper input
35	Heated rear screen input
36	Electric door locking input
37	Driver one-touch window lower input
38	Driver one-touch window raise output
39	Luggage compartment door switch input
40	Front door switch input

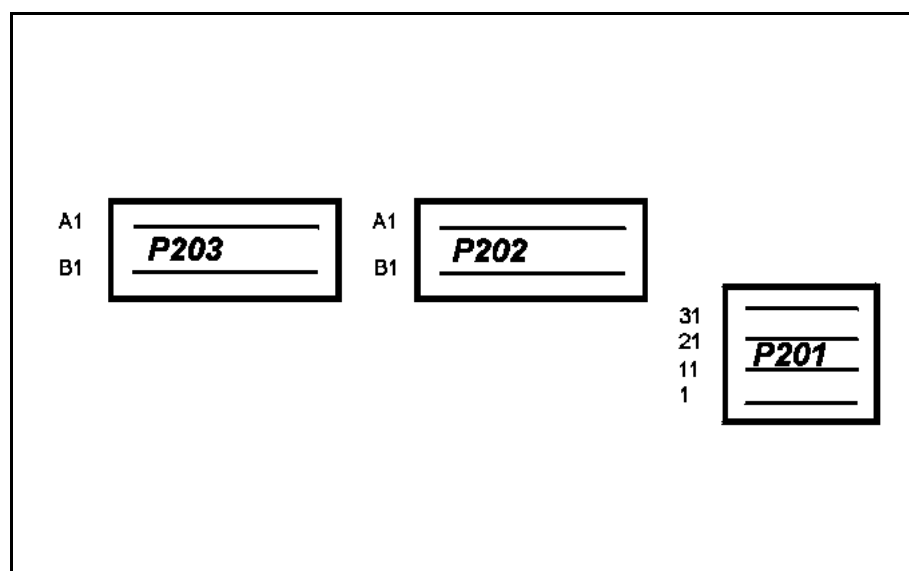
FAULT FINDING - INTRODUCTION

Clear 15-track P202 connector:

PIN	Signal
A1	Windscreen wiper high-speed output
A2	+ after ignition for rear screen wiper
A3	+ battery for lighting management
A4	+ after ignition for windscreen wiper
A5	Headlight 1 washer pump relay output
A6	+ battery for timed supply
A7	Headlight 2 washer pump relay output
A8	Courtesy light output
A9	Footwell light output
B1	Passenger side one-touch window raise output
B2	Driver side one-touch window lower output
B3	+ battery for driver side one-touch window
B4	Earth
B5	Driver side one-touch window raise output
B6	Earth

Black 15-track P203 connector:

PIN	Signal
A1	+ battery for direction indicators
A2	Left hand direction indicator output
A3	Right hand direction indicator output
A4	Electric door locking output
A5	Main beam relay output
A6	Electric door unlocking output
A7	+ battery for electric door locking
A8	Rear screen wiper output
A9	Front wiper low speed output
B1	+ after ignition for heated rear window
B2	Heated rear screen output
B3	Electric window input
B4	+ after ignition electric window output
B5	Passenger side one-touch window lower output
B6	+ battery feed for one-touch window raise, passenger side



FAULT FINDING - FAULT INTERPRETATION

DF039 PRESENT	<u>UCH INTERNAL ELECTRONIC FAULT</u>
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NOTES	Fault declared present after ignition has been switched off. Special features: if there is a fault stored check whether there are any other faults present and clear them.
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Replace the UCH.

AFTER REPAIR	Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF119 PRESENT OR STORED	<u>WINDSCREEN WIPER PARK POSITION</u>
NOTES	Condition for applying the fault finding strategy to the stored fault. The fault is declared as present following operation of the windscreen wiper. Intermittent operation of the windscreen wipers at low speed (timing not being followed).
Check whether the windscreen wiper or rear screen wiper park position state ET005 is active every time the wiper arm reaches the idle position then switches to inactive.	
Check the connection and condition of the UCH connectors and replace the connector if necessary.	
Check the insulation, continuity and ensure the absence of interference resistance on the following connections: <div>UCH P201 connector track 17 —————> track 1 windscreen wiper motor earth —————> track 5 front windscreen wiper motor</div> Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF120 PRESENT OR STORED	<u>REAR SCREEN WIPER PARK POSITION</u>
NOTES	Condition for applying the fault finding strategy to the stored fault. The fault is declared as present following operation of the windscreen wiper.
Check whether the windscreen wiper or rear screen wiper park position state ET006 is active every time the wiper arm reaches the idle position then switches to inactive.	
Check the connection and condition of the UCH connectors and replace the connector if necessary.	
Check the insulation, continuity and ensure the absence of interference resistance on the following connections: <div>UCH P201 40-track connector track 16 —————→ track 2 rear screen wiper motor earth —————→ track 3 rear wiper motor</div> Repair if necessary.	
Check the motor. Check the wiper attachment. If necessary replace the wiper motor.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF128 PRESENT OR STORED	<u>VEHICLE SPEED UNAVAILABLE</u>
NOTES	None. Special features: if there is a fault stored check whether there are any other faults present and clear them.
Is the vehicle speed information present on the instrument panel?	
YES	Perform a fault finding procedure on the multiplex network, see section 88 Multiplex network cabling.
NO	Perform a fault finding procedure on the air bag circuit. Repair if necessary.
	Perform a fault finding procedure on the ABS circuit and the instrument panel. Repair if necessary.
AFTER REPAIR	Deal with any other possible faults. Clear the fault memory.

FAULT FINDING - FAULT INTERPRETATION

DF130 PRESENT OR STORED	<u>INCORRECT INSTRUMENT PANEL CONFIGURATION</u>
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NOTES	<p>The fault is declared as present when the ignition is switched on. Special features: if there is a fault stored check whether there are any other faults present and clear them.</p>
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Carry out an instrument panel configuration (see instrument panel information, section 83).

AFTER REPAIR	<p>Follow the instructions. Deal with any other possible faults. Clear the fault memory.</p>
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FAULT FINDING - FAULT INTERPRETATION

DF131 PRESENT OR STORED	<u>ELECTRIC DOOR LOCK BUTTON CIRCUIT</u> CC.0 : short circuit to earth
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NOTES	Application of the fault finding procedure to the stored fault. Fault declared as present when the door locking button is pressed.
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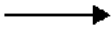
Check that the locking button state ET038 is active when door locking is operated. Check that the locking button state ET039 is active when door unlocking is operated.
Check the connections and condition of the P201 40-track connector of the UCH and replace the connector if necessary.
Check the insulation and continuity of the connections: <div>UCH P201 40-track connector track 36 —————→ track B1 electric door locking button</div> <div>earth —————→ track A2 electric door locking button</div> Repair if necessary.
If the problem persists, replace the UCH.

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF132 PRESENT OR STORED	<u>MAIN BEAM HEADLIGHT RELAY CONTROL CIRCUIT</u> CC.1 : Short circuit to +12v
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NOTES	Vehicle fitted with running lights, rain sensor or light sensor Condition for applying the fault finding strategy to the stored fault. The fault is declared as present following operation of the main beam headlights.
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<p>With the ignition on, check for the presence of +12v at terminals B3 and B1 of the main running light relay. If the relay has no supply, check the presence of +12v at terminals A3 and A1 of the side running light relay. If there is no supply on track A3 check the following connection:</p> <p>track A3  fuse box</p> <p>(See wiring diagram for the vehicle concerned). Repair if necessary.</p>	
<p>If the running light main relay is properly supplied, swap the running light main relay with the side running light relay. If the fault changes to stored, replace the relay. If the fault is still present, check the insulation and continuity of the following connection:</p> <p>track B2  track 5 UCH P203 15-track connector</p> <p>Repair if necessary.</p>	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF133 PRESENT OR STORED	<u>DIPPED BEAM HEADLIGHTS RELAY CONTROL CIRCUIT</u> CC.1 : Short circuit to +12v
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NOTES	Vehicle fitted with running lights, rain sensor or light sensor Condition for applying the fault finding strategy to the stored fault. The fault is declared as present following operation of the main beam headlights.
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With the ignition on, check for the presence of +12v at terminals A3 and A1 of the running lights dipped headlights relay. If there is no supply on track A3 check the following connection: track A3 —————> fuse box (See wiring diagram for the vehicle concerned). Repair if necessary.	
If the dipped running light relay is properly supplied, swap the dipped relay with the side running light relay. If the fault changes to stored, replace the relay. If the fault is still present, check the insulation and continuity of the following connection: track A2 —————> track 11 UCH P201 40-track connector Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF134 PRESENT OR STORED	<u>SIDE LIGHT RELAY CONTROL CIRCUIT</u> CC.1 : Short circuit to +12v
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NOTES	Vehicle fitted with running lights, rain sensor or light sensor Condition for applying the fault finding strategy to the stored fault. The fault is declared as present following operation of the side light control.
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With the ignition on, check for the presence of +12v at terminals **A3** and **A1** of the running lights side lights relay.

If there is no supply on **track A3** check the following connection:

track A3 —————> **fuse box**

(See wiring diagram for the vehicle concerned).

Repair if necessary.

If the side running light relay is properly supplied, swap the side light relay with the dipped beam running light relay. If the fault changes to stored, replace the relay.

If the fault is still present, check the insulation and continuity of the following connection:

track A2 —————> **track 1 UCH P201 40-track connector**

Repair if necessary.

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF135 PRESENT OR STORED	<u>HEADLIGHT WASHER 1 RELAY CONTROL CIRCUIT</u> CC.1 : Short circuit to +12v
NOTES	Vehicle fitted with running lights or discharge bulbs. Application of the fault finding procedure to the stored fault. The fault is declared as present with the lighting stalk in dipped or main beam position during operation of the windscreen washer for more than 0.5 seconds.
Check the condition of the 20A direction indicator supply fuse (F33).	
Check the connection and condition of the UCH P202 15-track connector and replace it if necessary.	
Check the insulation and continuity of the connections: <div><div>P202 15-track connector track A5 fuse box (F33) 20A</div><div>—————> track B2 headlight washer 1 relay —————> tracks B5 and B1 headlight washer relay</div></div> Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF136 PRESENT OR STORED	<u>HEADLIGHT WASHER 2 RELAY CONTROL CIRCUIT</u> CC.1 : Short circuit to +12v
NOTES	Vehicle fitted with running lights or discharge bulbs. Application of the fault finding procedure to the stored fault. The fault is declared as present with the lighting stalk in dipped or main beam position during operation of the windscreen washer for more than 0.5 seconds.
Check the condition of the 20A direction indicator supply fuse (F33).	
Check the connection and condition of the UCH P202 15-track connector and replace it if necessary.	
Check the insulation and continuity of the connections: <div style="display: flex; align-items: center; margin-left: 40px;"><div style="margin-right: 20px;">P202 15-track connector track A7 fuse box (F33) 20A</div><div style="margin-right: 20px;"><div style="border-top: 1px solid black; width: 50px; height: 2px; margin-bottom: 2px;"></div><div style="border-top: 1px solid black; width: 50px; height: 2px; margin-bottom: 2px;"></div></div><div>track A2 headlight washer 2 relay tracks A5 and A1 headlight washer relay</div></div> Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF138 PRESENT OR STORED	<u>RAIN SENSOR</u>
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NOTES	Application of the fault finding procedure to the stored fault. Fault declared present with wiper stalk in intermittent position. Special note: service warning light (orange) comes on if the UCH does not detect the rain sensor. If the rain sensor is faulty, a fixed interval of 5 seconds is applied at low speed.
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Check the insulation, continuity and ensure the absence of interference resistance of the connections between:	
fuse box F3 (15A)	—————> track 1 rain sensor
earth	—————> track 2 rain sensor
UCH P201 40-track connector track 13	—————> track 3 rain sensor
Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF145 PRESENT OR STORED	<u>DOOR AND WINDOW LOCKING WARNING LIGHT CIRCUIT</u> CC.0 : short circuit to earth CC.1 : short circuit to +12v
NOTES	Condition for applying the fault finding strategy to the stored fault. The fault is declared present following the warning light command.
Check that door and window locking state indicator light ET217 comes on when the central door locking is actuated.	
Check the connections and condition of the P201 40-track connector of the UCH and replace the connector if necessary.	
Check the insulation and continuity of the connections: <div>UCH P201 40-track connector track 15 —————> track B3 electric door lock button passenger compartment fuse box —————> track B2 electric door lock button</div> Repair if necessary.	

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF146 PRESENT OR STORED	<u>INDICATOR SUPPLY</u>
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NOTES	Condition for applying the fault finding strategy to the stored fault. The fault is declared present when the indicator lights are switched on.
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Check the condition of the 15A fuse (F22) for the indicator supply.
Check the connections and condition of the P203 15-track connector of the UCH and replace the connector if necessary.
Check the insulation and continuity of the connection between: <div>15A fuse box (F22) —————▶ track A1 P203 15-track connector</div> Repair if necessary.

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF175 STORED	<u>IMPACT DETECTION SIGNAL</u>
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NOTES	No fault present. Application of the fault finding procedure to the stored fault.
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Carry out the fault finding procedure on the air bag computer. Repair if necessary.
Perform a fault finding procedure on the multiplex network, see section 88 Multiplex network cabling.

AFTER REPAIR	Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - FAULT INTERPRETATION

DF176 PRESENT OR STORED	<u>AIR BAG MULTIPLEX SIGNAL ABSENT</u>
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NOTES	Condition for applying the fault finding strategy to the stored fault. The fault is declared as present when the ignition is switched on.
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Is the air bag warning light on?

YES	Perform a fault finding procedure on the multiplex network, see section 88 Multiplex network cabling.
NO	Perform a fault finding procedure on the air bag circuit. Repair if necessary. Perform a fault finding procedure on the multiplex network, see section 88 Multiplex network cabling.

AFTER REPAIR	Follow the instructions. Deal with any other possible faults. Clear the fault memory.
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FAULT FINDING - CONFORMITY CHECK

NOTES

Only perform this conformity check after a complete check with the diagnostic tool. The values indicated in this conformity check are given as examples.
Test conditions: **engine stopped, ignition on.**

Order	Function	Parameter or state Check or action	Display and notes	Fault finding
1	Power supply	PR002: battery voltage	12 < X < 12.5 volts	If there is a problem: carry out a fault finding test on the charge circuit.
		ET002: + 12v after ignition feed	PRESENT	if there is a problem: refer to the fault finding procedure for state ET002.
		ET001: + 12v accessories	PRESENT	None.
		ET242: engine running	NO	None.
2	Lighting	ET020: side light control	ACTIVE during side lights control	if INACTIVE: refer to the fault finding procedure for state ET020.
		ET029: right indicator control	ACTIVE during right indicator control	if INACTIVE: refer to the fault finding procedure for state ET029.
		ET028: left indicator control	ACTIVE during left indicator control	if INACTIVE: refer to the fault finding procedure for state ET028.
		ET022: hazard warning lights control	ACTIVE during hazard lights control	if INACTIVE: refer to the fault finding procedure for state ET022.
		ET231: twilight detection	NO	if there is a problem: refer to the fault finding procedure for state ET231.

FAULT FINDING - CONFORMITY CHECK

NOTES

Only perform this conformity check after a complete check with the diagnostic tool. The values indicated in this conformity check are given as examples.
Test conditions: **engine stopped, ignition on.**

Order	Function	Parameter or state Check or action	Display and notes	Fault finding
3	Wipers	ET032: front windscreen washer control	ACTIVE during front windscreen washer control	if INACTIVE: refer to the fault finding procedure for state ET032.
		ET035: windscreen wiper timing	ACTIVE with windscreen wiper control in intermittent position	if INACTIVE: refer to the fault finding procedure for state ET035.
		ET005: windscreen wiper fixed pause	ACTIVE with windscreen wiper control in intermittent position during each pause of the windscreen wipers	if there is a problem: perform the fault finding procedure on windscreen wiper park position fault DF119
		ET051: windscreen wiper low speed control	ACTIVE with windscreen wiper control in low speed position	if INACTIVE: refer to the fault finding procedure for state ET051.
		ET052: windscreen wiper high speed control	ACTIVE with windscreen wiper control in high speed position	if INACTIVE: refer to the fault finding procedure for state ET052.

FAULT FINDING - CONFORMITY CHECK

NOTES

Only perform this conformity check after a complete check with the diagnostic tool. The values indicated in this conformity check are given as examples.
Test conditions: **engine stopped, ignition on.**

Order	Function	Parameter or state Check or action	Display and notes	Fault finding
3	Wipers (continued)	ET031: rear screen washer control	ACTIVE during rear screen washer control	if INACTIVE: refer to the fault finding procedure for state ET031.
		ET036: rear screen wiper intermittent facility	ACTIVE with rear screen wiper control in intermittent position	if INACTIVE: refer to the fault finding procedure for state ET036.
4	Opening elements	ET192: front door	OPEN when front door is open	If there is a problem: refer to the fault finding procedure for state ET192.
		ET111: rear door	OPEN when rear door is open	if there is a problem: refer to the fault finding procedure for state ET111.
		ET240: luggage compartment open	YES when luggage compartment is open	if there is a problem: refer to the fault finding procedure for state ET240.
		ET217: door and window locking warning light	ON when opening elements are locked OFF when opening elements are unlocked	if there is a problem: refer to the fault finding procedure for state ET217.

FAULT FINDING - CONFORMITY CHECK

NOTES

Only perform this conformity check after a complete check with the diagnostic tool. The values indicated in this conformity check are given as examples.
Test conditions: **engine stopped, ignition on.**

Order	Function	Parameter or state Check or action	Display and notes	Fault finding
4	Opening elements (continued)	ET010: valid radio frequency key	YES state during locking or unlocking of the vehicle by remote control.	if there is a problem: refer to the fault finding procedure for state ET010.
		ET193: radio frequency signal received	YES state during locking or unlocking of the vehicle by remote control.	if there is a problem: refer to the fault finding procedure for state ET193.
		ET012: source of last opening element command	Radio frequency remote control when locking with remote control unit Electrical door locking when locking using the central locking switch	None.
		ET105: last opening element command	UNLOCKING LOCKING	None.
5	Speed	PR001: vehicle speed	X in Km/ h	if there is a problem: apply the fault finding procedure on incorrect vehicle speed fault DF129.
6	Switch	ET008: heated rear screen button	ACTIVATED when the rear screen heater is activated	if there is a problem: refer to the fault finding procedure for state ET008.
		ET245: driver's window raise push button	LOWERING RAISING HALTED	if there is a problem: refer to the fault finding procedure for state ET245.

FAULT FINDING - CONFORMITY CHECK

NOTES	Only perform this conformity check after a complete check with the diagnostic tool. The values indicated in this conformity check are given as examples. Test conditions: engine stopped, ignition on.
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Order	Function	Parameter or state Check or action	Display and notes	Fault finding
6	Switch (continued)	ET244: passenger window raise push button	LOWER RAISE HALTED	if there is a problem: refer to the fault finding procedure for state ET244.
		ET141: reverse gear engaged	YES NO	if there is a problem: refer to the fault finding procedure for state ET141.

FAULT FINDING - INTERPRETATION OF STATES

ET002

+12v AFTER IGNITION FEED**ET002 INACTIVE, ignition on**

Check the passenger compartment fuse.

With the ignition on, use a multimeter to check for the presence of a + 12v supply at fuse port.

Repair if necessary.

With the ignition on, use a multimeter to check the presence of a + 12v supply on track 33 of the 40-track connector of the UCH.

If there is a voltage present, replace the UCH.

If there is no voltage, ensure the continuity and insulation to earth between **track 33 of P201 40-track connector of the UCH and fuse F21 (SA) of the passenger compartment fuse box.**

Repair if necessary.

ET002 ACTIVE ignition off

With the ignition off, use a multimeter to check for the absence of a + 12v supply at passenger compartment fuse port.

Repair if necessary.

If there is no voltage, replace the UCH.

AFTER REPAIR

Repeat the fault finding procedure on the system.

Deal with any other possible faults.

Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES

ET008	<u>HEATED REAR SCREEN BUTTON</u>
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NOTES	There must be no faults present or stored. Switch on the ignition. Activate the heated rear screen and check that the heated rear screen state button is ACTIVATED .
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ET008 HALT button activated

Check fuse F30 (30A) of the heated rear screen.
Change it if necessary.

Check the connection and condition of the connector for the heated screen button.
Change it if necessary.

With the button pressed, use a multimeter to check for the presence of an earth on **track 35** of P201 40-track connector of the UCH.
Repair if necessary.

If there is no earth, ensure the continuity and insulation between **track 35** of the UCH P201 40-track connector and the de-icer button.
Repair if necessary.

Replace the heated screen button.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET010	<u>VALID RADIO FREQUENCY KEY</u>
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NOTES	Check that there are no faults present. State declared is YES when the remote control is pressed. If the state declared is NO switch ignition off and on, and retry with another vehicle key.
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If ET010 stays at NO: when the remote control is pressed
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Resynchronize the keys switching the ignition on (+ after ignition feed).
If the problem persists and if ET193 Radio frequency signal RECEIVED state shows YES , replace the keys. If the problem persists, replace the UCH.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET020	<u>SIDE LIGHT CONTROL</u>
NOTES	<p>Only on top of range UCH.</p> <p>There must be no faults present or stored.</p> <p>Activate the side lights control.</p> <p>The state shown must be ACTIVE.</p>
ET020 INACTIVE	<p>Check the connection and condition of the light stalk connector.</p> <p>Change it if necessary.</p>
	<p>Check the connection and condition of the P201 40-track connector of the UCH.</p> <p>Replace the connector if necessary.</p>
	<p>Ensure the continuity and insulation of the connections between:</p> <p>UCH P201 40-track connector track 26  lights stalk track B1</p> <p>Repair if necessary.</p>
AFTER REPAIR	<p>Repeat the fault finding procedure on the system.</p> <p>Deal with any other possible faults.</p> <p>Clear the stored faults.</p>

FAULT FINDING - INTERPRETATION OF STATES


ET022	<u>HAZARD WARNING LIGHTS CONTROL</u>
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NOTES	There must be no faults present or stored. Activate the hazard warning light control. The state shown must be ACTIVE .
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ET022 INACTIVE	Check the F22 (15A) indicator supply fuse. Change it if necessary.
	Check the connection and condition of the connector of the hazard warning light switch. Replace the connector if necessary.
	Ensure the continuity of the connections: hazard warning lights switch track 2 —————▶ earth Repair if necessary.
	Check the insulation, continuity and ensure the absence of interference resistance on the connection: hazard warning lights switch track 3 —————▶ track 29 of the UCH P201 40-track connector Repair if necessary.
	Check the operation of the hazard warning lights control.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET023	<u>DIPPED HEADLIGHTS CONTROL</u>
NOTES	<p>Only on top of range UCH. There must be no faults present or stored. Activate the dipped headlights control. The state shown must be ACTIVE.</p>
ET023 INACTIVE	<p>Check the connection and condition of the light stalk connector. Change it if necessary.</p>
	<p>Check the connection and condition of the P201 40-track connector of the UCH. Change it if necessary.</p>
	<p>Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 2  lights stalk track B4 Repair if necessary.</p>
AFTER REPAIR	<p>Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.</p>

FAULT FINDING - INTERPRETATION OF STATES

ET024	<u>MAIN BEAM HEADLIGHT CONTROL</u>
NOTES	<p>Only on top of range UCH. There must be no faults present or stored. Activate the side lights control. The state shown must be ACTIVE.</p>
ET024 INACTIVE	<p>Check the connection and condition of the light stalk connector. Change it if necessary.</p>
	<p>Check the connection and condition of the P201 40-track connector of the UCH. Change it if necessary.</p>
	<p>Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 12 —————▶ stalk track B7 Repair if necessary.</p>
AFTER REPAIR	<p>Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.</p>

FAULT FINDING - INTERPRETATION OF STATES

ET028 ET029	<u>LEFT DIRECTION INDICATOR CONTROL</u> <u>RIGHT DIRECTION INDICATOR CONTROL</u>
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NOTES	There must be no faults present or stored. Switch on the ignition. Operate the left or right direction indicator. The state shown must be ACTIVE .
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ET028 or ET029 INACTIVE	Check the F22 (15A) indicator supply fuse. Change it if necessary.
	Check the connection and condition of the indicator stalk connector. Replace the connector if necessary.
	Ensure the continuity of the connections: direction indicator stalk track A6 —————> earth Repair if necessary.
	Disconnect the UCH P201 40-track connector while right or left indicator is operating. Ensure the continuity and insulation of the connections between: right indicator stalk track A5 —————> track 28 UCH P201 40-track connector left indicator stalk track A7 —————> track 27 UCH P201 40-track connector Repair if necessary.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET031	<u>REAR SCREEN WASHER CONTROL</u>
NOTES	There must be no faults present or stored. Switch on the ignition. Put the windscreen wiper stalk in the rear screen wash position. The state shown must be ACTIVE .
ET031 INACTIVE	Check the F13 (20A) fuse Change it if necessary.
	Check the connection and condition of the windscreen wiper stalk connector. Replace the connector if necessary.
	Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 24 —————▶ wiper stalk track B1 earth —————▶ wiper stalk track B5 + after ignition feed —————▶ windscreen wiper stalk tracks B4 and A7 Repair if necessary.
	Check the correct operation of the washer pump, in particular the continuity and insulation of the following connections: pump track 2 —————▶ track A4 wiper stalk pump track 1 —————▶ track B1 wiper stalk Repair if necessary.
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES




ET032	<u>WINDSCREEN WASHER SWITCH</u>
NOTES	There must be no faults present or stored. Switch on the ignition. Put the windscreen wiper stalk in the rear screen wash position. The state shown must be ACTIVE .
ET032 INACTIVE	Check fuse F4 (20A) . Change it if necessary.
	Check the connection and condition of the windscreen wiper stalk connector. Change it if necessary.
	Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 25 —————> wiper stalk track A4 earth —————> wiper stalk track B5 + after ignition feed —————> windscreen wiper stalk tracks B4 and A7 Repair if necessary.
	Check the correct operation of the washer pump, in particular the continuity and insulation of the following connections: pump track 2 —————> track A4 wiper stalk pump track 1 —————> track B1 wiper stalk Repair if necessary.
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES



ET034	<u>POSITION OF PASSENGER SIDE ELECTRIC WINDOW BUTTON</u>									
NOTES	<p>Only on top of range UCH.</p> <p>There must be no faults present or stored.</p> <p>Switch on the ignition.</p> <p>When the raise button is pressed the state must be RAISE.</p> <p>When the lower button is pressed the state must be LOWER.</p> <p>When there is no operation of the electric window button the state must be RELEASED.</p>									
<p>Check the connection and condition of the UCH P201 40-track connector.</p> <p>Change it if necessary.</p>										
<p>Check the connection and condition of the electric window switch connector.</p> <p>Change it if necessary.</p>										
<p>Ensure the continuity and insulation of the connections between:</p> <table><tr><td>UCH 40-track connector track 3</td><td>————▶</td><td>track A3 electric window switch connector</td></tr><tr><td>UCH 40-track connector track 4</td><td>————▶</td><td>track B1 electric window switch connector</td></tr><tr><td>earth</td><td>————▶</td><td>track A2 electric window switch connector</td></tr></table> <p>Repair if necessary.</p>		UCH 40-track connector track 3	————▶	track A3 electric window switch connector	UCH 40-track connector track 4	————▶	track B1 electric window switch connector	earth	————▶	track A2 electric window switch connector
UCH 40-track connector track 3	————▶	track A3 electric window switch connector								
UCH 40-track connector track 4	————▶	track B1 electric window switch connector								
earth	————▶	track A2 electric window switch connector								

AFTER REPAIR	<p>Repeat the fault finding procedure on the system.</p> <p>Deal with any other possible faults.</p> <p>Clear the stored faults.</p>
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FAULT FINDING - INTERPRETATION OF STATES

ET035	<u>WINDSCREEN WIPER INTERMITTENT WIPE</u>
NOTES	There must be no faults present or stored. Switch on the ignition. Put the wiper stalk in the intermittent wipe position. The state shown must be ACTIVE .
ET035 INACTIVE	Check fuse F4 (20A) . Change it if necessary.
	Check the connection and condition of the windscreen wiper stalk connector. Change it if necessary.
	Ensure the continuity and insulation of the connections between: <div>UCH P201 40-track connector track 6  wiper stalk track A6 earth  wiper stalk track B5 + after ignition feed  windscreen wiper stalk tracks B4 and A7</div> Repair if necessary.
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES

ET036	<u>REAR SCREEN WIPER INTERMITTENT WIPE</u>
NOTES	There must be no faults present or stored. Switch on the ignition. Engage reverse gear and operate the wiper (low speed, high speed or intermittent wipe). The state must be ACTIVE .
ET036 INACTIVE	<div>Check the F13 (20A) fuse. Change it if necessary.</div> <div>Check the + after ignition feed to the stalk on tracks A7 and B4. Repair if necessary.</div> <div>Ensure the continuity and insulation of the connections between: <div>UCH P201 40-track connector track 34  stalk track B2 UCH P201 40-track connector track 16  rear screen wiper motor track 2</div> Repair if necessary.</div>
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.


FAULT FINDING - INTERPRETATION OF STATES

ET051	<u>WINDSCREEN WIPER LOW SPEED CONTROL</u>
NOTES	There must be no faults present or stored. Switch on the ignition. Switch the wiper stalk to the low speed position: the state should be ACTIVE
ET051 INACTIVE	Check fuse F4 (20A) . Repair if necessary.
	Check the + after ignition feed to the stalk on tracks A7 and B4 . Repair if necessary.
	Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 22  stalk track A2 Repair if necessary.
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES


ET052	<u>FRONT WINDSCREEN WIPER HIGH SPEED COMMAND</u>
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NOTES	There must be no faults present or stored. Switch on the ignition. Switch the wiper stalk to the high speed position: the state should be ACTIVE .
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ET052 INACTIVE	Check fuse F4 (20A) . Repair if necessary.
	Check the + after ignition feed to the stalk on tracks A7 and B4 . Repair if necessary.
	Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 21  stalk track A1 Repair if necessary.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET141	<u>REVERSE GEAR ENGAGED</u>
NOTES	There must be no faults present or stored. Switch on the ignition. With reverse gear engaged the state must be ACTIVE .
Manual gearbox	<div>Check the connection and condition of the UCH P201 40-track connector. Replace the connector if necessary.</div> <div>Ensure the continuity and insulation of the connections between: UCH P201 40-track connector track 32  gear lever switch Repair if necessary.</div>
Automatic transmission	Perform a fault finding procedure on the multiplex network, see section 88 Multiplex network cabling.
AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.

FAULT FINDING - INTERPRETATION OF STATES

ET192 ET111	<u>FRONT DOORS</u> <u>REAR DOORS</u>
NOTES	Check that there are no faults present. Open the front and rear doors.
Check that for each open door the corresponding state is ACTIVE or for each closed door the corresponding state is INACTIVE.	
Check the connection of the door wiring harness and the passenger compartment wiring harness and the continuity and insulation between: the lock concerned and the UCH the lock concerned and earth Repair if necessary (see wiring diagram for the vehicle concerned).	
Open the door, disconnect the lock and close the lock. Check the continuity between the earth input track and the track on the UCH. Pull the handle to open the lock and check that there is no longer continuity between the earth input track and the UCH track. In the event of a fault, replace the lock.	
Check that the lock engages correctly in the striker plate.	

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - STATE INTERPRETATION OF STATES

ET193	<u>RF SIGNAL RECEIVED</u>
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NOTES	<p>Check that there are no faults present.</p> <p>The state declared is YES when the remote control is pressed.</p> <p>If the state declared is NO switch ignition off and on, and retry with another vehicle key.</p>
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ET193 NO: when the remote control unit is operated.

Press the remote control button of another vehicle in the same family (CLIO II 07/01> or TRAFIC 09/01>) or blank key: Check that the state changes to **YES** when it is pressed.

If **state YES** is displayed, replace the faulty vehicle remote control unit.

If **state NO** is displayed, replace the **UCH**.

AFTER REPAIR	<p>Repeat the fault finding procedure on the system.</p> <p>Deal with any other possible faults.</p> <p>Clear the stored faults.</p>
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FAULT FINDING - INTERPRETATION OF STATES

ET217	<u>DOOR LOCK WARNING LIGHT</u>
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NOTES	There must be no faults present or stored. From inside the vehicle, lock the doors using the electric door lock button.
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Check that when the electric door lock button is pressed that the corresponding state is ON; if the state remains OFF, check the insulation, continuity and ensure the absence of interference resistance on the following connections: UCH P201 40-track connector track 15 —————→ track B3 door locking button fuse box F21 (5A) —————→ track B2 door locking button Repair if necessary.	
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AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET231	<u>TWILIGHT SENSOR</u>
NOTES	<p>Only on top of range UCH. There must be no faults present or stored. The rain and twilight sensors are not separable. Switch on the ignition. When the light level is low the state should be YES. Switch a light on in front of the twilight sensor: the state should change to NO.</p>
Check fuse F3 (15A) . Repair if necessary.	
Check the operation of the rain sensor by pouring water onto it, with automatic intermittent wipe activated. If the windscreen wipers operate, replace the sensor.	
Check + after ignition feed to the rain sensor on track A2 . Repair if necessary.	
<p>Ensure the continuity and insulation of the connections between:</p> <div><div>UCH P201 40-track connector track 13 earth</div><div><div>→</div><div>rain sensor track B2 rain sensor track A3</div></div><p>Repair if necessary.</p></div>	

AFTER REPAIR	<p>Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.</p>
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FAULT FINDING - INTERPRETATION OF STATES

ET240	<u>LUGGAGE COMPARTMENT OPEN</u>
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NOTES	There must be no faults present or stored. Open the luggage compartment, the luggage compartment open state should be YES . Close the luggage compartment, the luggage compartment open state should be NO .
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Check that for each open door the corresponding state is ACTIVE or for each closed door the corresponding state is INACTIVE.
Check the connection of the rear wiring harness and the passenger compartment wiring harness. Check the connection of the luggage compartment wiring harness and the rear wiring harness and the continuity and insulation between: <div>the luggage compartment lock track 1 —————→ track 39 UCH P201 40-track connector</div> <div>the luggage compartment lock track 2 —————→ earth</div> Repair if necessary (see wiring diagram for the vehicle concerned).
Open the luggage compartment, disconnect the lock and close it. Check for continuity between track 2 earth input and track 1 of the UCH. Pull the handle to open the lock and check that there is no longer continuity between the earth input track and the UCH track. In the event of a fault, replace the lock.
Check that the lock engages correctly in the striker plate.

AFTER REPAIR	Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.
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FAULT FINDING - INTERPRETATION OF STATES

ET245	<u>POSITION OF DRIVER SIDE ELECTRIC WINDOW BUTTON</u>
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NOTES	<p>There must be no faults present or stored. Switch on the ignition. When the raise button is pressed the state must be RAISE. When the lower button is pressed the state must be LOWER. When there is no operation of the electric window button the state must be RELEASED.</p>
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<p>Check the connection and condition of the electric window switch connector. Replace the connector if necessary.</p>									
<p>Check the connection and condition of the UCH P201 40-track connector. Change it if necessary.</p>									
<p>Ensure the continuity and insulation of the connections between:</p> <table><tr><td>UCH 40-track connector track 37</td><td>————></td><td>track 5 electric window switch white connector</td></tr><tr><td>UCH 40-track connector track 38</td><td>————></td><td>track 6 electric window switch black connector</td></tr><tr><td>earth</td><td>————></td><td>track 4 electric window switch black connector</td></tr></table> <p>Repair if necessary.</p>	UCH 40-track connector track 37	————>	track 5 electric window switch white connector	UCH 40-track connector track 38	————>	track 6 electric window switch black connector	earth	————>	track 4 electric window switch black connector
UCH 40-track connector track 37	————>	track 5 electric window switch white connector							
UCH 40-track connector track 38	————>	track 6 electric window switch black connector							
earth	————>	track 4 electric window switch black connector							

AFTER REPAIR	<p>Repeat the fault finding procedure on the system. Deal with any other possible faults. Clear the stored faults.</p>
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FAULT FINDING - INTERPRETATION OF STATES

ET247	<u>WINDSCREEN WIPER REQUESTED BY RAIN SENSOR</u>
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NOTES	<p>Only on top of the range UCH.</p> <p>There must be no faults present or stored.</p> <p>Switch on the ignition.</p> <p>Pour some water onto the rain sensor when the automatic intermittent facility is in operation, according to the amount poured and the position of the wiper interval ring on the windscreen wiper stalk, the state will be LOW SPEED or HIGH SPEED.</p>
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Check the **F3 (15A)** fuse.
Repair if necessary.

Check + after ignition feed to the rain sensor on track **A2**.
Repair if necessary.

Ensure the continuity and insulation of the connections between:

UCH P201 40-track connector track 13	————→	rain sensor track B2
earth	————→	rain sensor track A3

Repair if necessary.

AFTER REPAIR

Repeat the fault finding procedure on the system.
Deal with any other possible faults.
Clear the stored faults.

FAULT FINDING - CUSTOMER COMPLAINTS

NOTES	These customer complaints should only be investigated after a complete check has been run using the diagnostic tool.
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NO COMMUNICATION WITH THE UCH

CHART 1

Lighting	
indicators do not operate	CHART 2
side lights do not operate	CHART 3
dipped headlights do not operate	CHART 4
main beam headlights do not operate	CHART 5
front foglights do not operate	CHART 6
rear fog lights do not operate	CHART 7

Wipers, windscreen washers, de-icing	
low speed front windscreen wipers do not operate	CHART 8
high speed front windscreen wipers do not operate	FAULT FINDING CHART 9
rear screen wiper does not operate	FAULT FINDING CHART 10
heated rear screen does not operate	FAULT FINDING CHART 11

FAULT FINDING - FAULT FINDING CHARTS

CHART 1	NO COMMUNICATION WITH THE UCH
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NOTES	None.
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Try the diagnostic tool on another vehicle.
Check: – the connection between the diagnostic tool and the diagnostic socket (wiring in good condition), – the engine and passenger compartment fuses.
Check for the presence of + 12 volts before ignition feed on track 16, + 12 volts after ignition feed on track 1 and an earth on tracks 4 and 5 of the diagnostic socket. Repair if necessary.
Check the computer connections.
Connect the bornier and check the insulation, continuity and interference resistance of the connections between: <div>UCH P201 40-track connector track 7 —————> fuse box UCH P202 15-track connector track B6 —————> earth UCH P201 40-track connector track 18 —————> track 7 of the diagnostic socket (line K)</div> Repair if necessary.

AFTER REPAIR	Check that the system is functioning correctly.
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FAULT FINDING - FAULT FINDING CHARTS

CHART 2	INDICATORS DO NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool. Check the bulbs.
Check the condition of the fuses and change them if necessary.	
Activate the hazard warning light control and check that the state ET022 hazard warning lights control is active; if not refer to the section on how to deal with this state. Activate the right hand or left hand direction indicators and check that the right hand direction indicator switch and left hand direction indicator switch states ET228 and ET229 are active . If not, refer to the section on how to deal with these states.	
Check the condition of the UCH P203 15-track connector. Change it if necessary.	
Ensure the continuity of the following connections: UCH P203 15-track connector track A2 —————> LH indicator UCH P203 15-track connector track A3 —————> RH indicator Repair if necessary.	

AFTER REPAIR	Check that the system is functioning correctly.
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FAULT FINDING - FAULT FINDING CHARTS

CHART 3	SIDE LIGHTS DO NOT OPERATE
NOTES	<p>Only consult this customer complaint after a complete check using the diagnostic tool.</p> <p>Check the bulbs.</p> <p>Check the type of UCH installed in the vehicle (relayed or non-relayed lighting).</p>
Top of range UCH relayed lighting	<p>Activate the side lights control and check that the state signal ET020 side lights control is active; if not refer to the section on how to deal with this state signal.</p> <p>Check side lights supply fuses F26 (10A) and F27 (10A). Change them, if necessary.</p> <p>Check the continuity of the connection between:</p> <div><div>track B1</div><div>→</div><div>track 26 of the UCH P201 40-track connector</div></div> <p>Return to service condition if necessary</p> <p>Activate control AC100 side lights relay. Check that the relay is heard to operate correctly.</p>
YES	<p>Ensure the continuity of the following connections:</p> <div><div>side light running light relay track A5 fuse box F26 and F27</div><div>→ →</div><div>fuse box F26 and F27 side light wiring harness</div></div> <p>(See wiring diagram for the vehicle concerned).</p> <p>Repair if necessary.</p>
NO	<p>Ensure the continuity of the connections:</p> <div><div>UCH P201 40-track connector track 1</div><div>→</div><div>track A2 side light running light relay</div></div> <p>Repair if necessary.</p> <p>Check that the relay is functioning correctly.</p>
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 3 continued	
NOTES	<p>Only consult this customer complaint after a complete check using the diagnostic tool.</p> <p>Check the bulbs.</p> <p>Check the type of UCH installed in the vehicle (relayed or non-relayed lighting).</p>
Basic UCH with non-relayed lighting	<p>Check fuses F26 (10A) and F27 (10A) for the side lights supply. Change them, if necessary.</p> <p>Check the continuity connections between:</p> <div><div>lights stalk track B1</div><div>→</div><div>fuse box F26 and F27</div></div> <div><div>fuse box F26 and F27</div><div>→</div><div>side light wiring harness</div></div> <p>(See wiring diagram for the vehicle concerned).</p> <p>Repair if necessary.</p>
AFTER REPAIR	<p>Check that the system is functioning correctly.</p>

FAULT FINDING - FAULT FINDING CHARTS

CHART 4	DIPPED HEADLIGHTS DO NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool. Check the bulbs.
Top of range UCH with relayed lighting	<p>Activate the dipped headlights control and check that the state signal ET023 dipped headlights control is active; if not refer to the section on how to deal with this state signal.</p> <p>Check fuses F9 (10A) and F10 (10A) for the dipped headlights supply. Change them, if necessary.</p> <p>Check the continuity of the connection between: switch track B4 —————→ track 2 of the UCH P201 40-track connector</p> <p>Repair if necessary.</p> <p>Activate control AC098 dipped headlights relay. Check that the relay is heard to operate correctly.</p>
YES	<p>Ensure the continuity of the following connections:</p> <p>dipped headlights relay track A5 —————→ fuse box F9 and F10 fuse box F9 and F10 —————→ dipped headlights wiring harness</p> <p>See wiring diagram for the vehicle concerned.</p>
NO	<p>Ensure the continuity of the connections: UCH P201 40-track connector track 11 —————→ track A2 dipped headlight running light relay</p> <p>Repair if necessary.</p> <p>Check that the relay is functioning correctly.</p>
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 4 continued							
NOTES	<p>Only consult this customer complaint after a complete check using the diagnostic tool.</p> <p>Check the bulbs.</p> <p>Check the type of UCH installed in the vehicle (relayed or non-relayed lighting).</p>						
Basic UCH with non-relayed lighting	<p>Check fuses F9 (10A) and F10 (10A) for the dipped headlights supply. Change them, if necessary.</p> <p>Check the continuity connections between:</p> <table><tr><td>lights stalk track B4</td><td>————▶</td><td>fuse box F9 and F10</td></tr><tr><td>fuse box F9 and F10</td><td>————▶</td><td>side light wiring harness</td></tr></table> <p>(See wiring diagram for the vehicle concerned).</p> <p>Repair if necessary.</p>	lights stalk track B4	————▶	fuse box F9 and F10	fuse box F9 and F10	————▶	side light wiring harness
lights stalk track B4	————▶	fuse box F9 and F10					
fuse box F9 and F10	————▶	side light wiring harness					
AFTER REPAIR	<p>Check that the system is functioning correctly.</p>						

FAULT FINDING - FAULT FINDING CHARTS

CHART 5	MAIN BEAM HEADLIGHTS DO NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool. Check the bulbs.
Top of range UCH with relayed lighting	<p>Activate the main beam headlights control and check that the state signal ET024 main beam headlights control is active; if not refer to the section on how to deal with this state signal.</p> <p>Check fuses F11 (10A) and F12 (10A) for the main beam headlights supply. Change them, if necessary.</p> <p>Check the continuity of the connection between:</p> <p>lights stalk track B7 —————→ track 12 of the UCH P201 40-track connector</p> <p>Repair if necessary.</p> <p>Activate control AC099 main beam headlights relay. Check that the relay is heard to operate correctly.</p>
YES	<p>Ensure the continuity of the following connections:</p> <p>main running light relay track B5 —————→ fuse box F11 and F10 fuse box F11 and F12 —————→ dipped headlights wiring harness</p> <p>See wiring diagram for the vehicle concerned.</p>
NO	<p>Ensure the continuity of the connections:</p> <p>UCH P203 15-track connector track A5 —————→ track B2 main running light</p> <p>Repair if necessary.</p> <p>Check that the relay is functioning correctly.</p>
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 5 continued	
NOTES	<p>Only consult this customer complaint after a complete check using the diagnostic tool.</p> <p>Check the bulbs.</p> <p>Check the type of UCH installed in the vehicle (relayed or non-relayed lighting).</p>
Basic UCH with non- relayed lighting	<p>Check fuses F11 (10A) and F12 (10A) for the main beam headlights supply. Change it if necessary.</p> <p>Check the continuity connections between:</p> <div><div>lights stalk track B7</div><div>→</div><div>fuse box F11 and F12</div></div> <div><div>fuse box F11 and F12</div><div>→</div><div>main beam headlight wiring harness</div></div> <p>See wiring diagram for the vehicle concerned.</p> <p>Repair if necessary.</p>
AFTER REPAIR	<p>Check that the system is functioning correctly.</p>

FAULT FINDING - FAULT FINDING CHARTS

Chart 6	FRONT FOG LIGHTS DO NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool. Check the bulbs.
Check fuse F18 (20A) and replace if necessary.	
Front fog lights activated. Check the + after ignition feed of the front fog light relay on track A1 . Repair if necessary.	
Ensure the continuity and insulation of the connections between: <div><div>earth</div><div>supply fuse (F18)</div><div>front fog lights</div><div>→</div><div>→</div><div>→</div><div>track A2 front fog light relay</div><div>track A3 front fog light relay</div><div>track A5 front fog light relay</div></div> Replace the relay if necessary.	

AFTER REPAIR	Check that the system is functioning correctly.
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FAULT FINDING - FAULT FINDING CHARTS

CHART 7	REAR FOG LIGHTS DO NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool. Check the bulbs.
Check fuse F23 (15A) and replace if necessary.	
Ensure the continuity and insulation of the connections between: <div>lights stalk track A3 —————> fuse box F23 fuse box F23 —————> rear fog lights</div> Repair if necessary.	

AFTER REPAIR	Check that the system is functioning correctly.
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FAULT FINDING - FAULT FINDING CHARTS

CHART 8	LOW SPEED FRONT WINDSCREEN WIPERS DO NOT OPERATE
NOTES	Confirm the fault. Only consult this customer complaint after a complete check using the diagnostic tool.
Switch on the ignition. Activate control AC064 low speed front windscreen wipers and check operation of the front windscreen wipers. Are the wipers operating?	
YES	Check the + after ignition feed of the stalk, track A7 . Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track A2 —————→ track 22 UCH P201 40-track connector Repair if necessary.
NO	Check fuse F4 (20A) . Repair if necessary.
	Check the + after ignition feed to the stalk on tracks A7 and B4 . Repair if necessary.
	Check the + after ignition feed of the stalk track A4 UCH P202 15-track connector. Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track A2 —————→ track 22 UCH P201 40-track connector Repair if necessary.
	Ensure the continuity and insulation of the connections between: UCH P203 15-track connector track A9 —————→ track 3 front windscreen wiper motor earth —————→ track 5 front windscreen wiper motor Repair if necessary.
	Check that the motor operates correctly.
	Check that the wiper mechanism and motor are not jammed. Repair if necessary.
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 9	HIGH SPEED FRONT WINDSCREEN WIPERS DO NOT OPERATE
NOTES	Confirm the fault. Only consult this customer complaint after a complete check using the diagnostic tool.
Activate control AC065 high speed front windscreen wipers and check operation of the front windscreen wipers. Are the wipers operating?	
YES	Check the + after ignition feed of the stalk, track A7 . Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track A1 —————→ track 21 UCH P201 40-track connector Repair if necessary.
NO	Check fuse F4 (20A) . Repair if necessary.
	Check the + after ignition feed to the stalk on tracks A7 and B4 . Repair if necessary.
	Check the + after ignition feed of the stalk track A4 UCH P202 15-track connector. Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track A1 —————→ track 21 UCH P201 40-track connector Repair if necessary.
	Ensure the continuity and insulation of the connections between: UCH P202 15-track connector track A1 —————→ track 4 front windscreen wiper motor earth —————→ track 5 front windscreen wiper motor Repair if necessary.
	Check that the motor operates correctly.
	Check that the wiper mechanism and motor are not jammed. Repair if necessary.
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 10	REAR SCREEN WIPER DOES NOT OPERATE
NOTES	Confirm the fault. Only consult this customer complaint after a complete check using the diagnostic tool.
Switch on the ignition. Activate control AC029 rear screen wiper and check operation of the rear windscreen wiper. Are the wipers operating?	
YES	Check the + after ignition feed of the stalk, track B4 . Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track B2 —————→ track 34 UCH P201 40-track connector Repair if necessary.
NO	Check fuse F3 (15A) . Repair if necessary.
	Check the + after ignition feed to the stalk on tracks A7 and B4 . Repair if necessary.
	Check the + after ignition feed of the stalk track A2 UCH P202 15-track connector. Repair if necessary.
	Ensure the continuity and insulation of the connections between: wiper stalk track B2 —————→ track 34 UCH P201 40-track connector Repair if necessary.
	Ensure the continuity and insulation of the connections between: UCH P203 15-track connector track A8 —————→ track 1 rear wiper motor earth —————→ track 3 rear wiper motor Repair if necessary.
	Check that the motor operates correctly.
	Check that the wiper mechanism and motor are not jammed. Repair if necessary.
AFTER REPAIR	Check that the system is functioning correctly.

FAULT FINDING - FAULT FINDING CHARTS

CHART 11	HEATED REAR SCREEN DOES NOT OPERATE
NOTES	Only consult this customer complaint after a complete check using the diagnostic tool.
Check that state ET242 engine running is ENGINE RUNNING . Activate the heated rear screen control. And check that state signal ET008 heated rear screen button is activated . If not, refer to the section on how to deal with this state.	
Check fuse F30 (30A) . Repair if necessary.	
Activate control AC043 heated rear screen . Is the relay heard to operate correctly?	
YES	Ensure the continuity and insulation of the connections between: <div>UCH P203 15-track connector track B2 —————> heated rear screen earth —————> heated rear screen</div> Repair if necessary.
NO	Replace the UCH.
AFTER REPAIR	Check that the system is functioning correctly.