

P

DOORS



DIAGNOSIS DOORS

P

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DIAGNOSIS DOORS

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Diagnosis
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Symptom / conditions

P01

Door closing faulty

Operating the door locking device, with the key or with the remote control, or locking a door from inside the car with the safety knob, one of the doors fails to lock correctly.

(if a door does not lock correctly when the door locking device is operated, the doors may lock and be unlocked straight after)

If the doors do not lock at all, see **Tables P10, P11**

DIAGNOSIS

Test results

Step Validity Operation to be performed



| Step | Validity | Operation to be performed | OK | Warning | Problems found | Intervention |
|------|----------|---|------------------------|---------|----------------------------------|--|
| 1 | | CHECK LOCK STRIKER Check correct fastening of lock striker | All OK Go to Step 2 | | Incorrect lock striker fastening | Restore correct lock striker fastening PROCEDURE OP. 7005A10 |
| 2 | | CHECK KEY OPERATION Check the doors open/close correctly with the key | All OK Go to Step 3 | | Faulty tierods | Restore correct coupling of tierods on outer handle and lock PROCEDURE OP. 7005C42 |
| | | | | | Incorrect lock fastening | Restore correct fastening of lock on door PROCEDURE OP. 7005N21 |
| 3 | | CHECK DOOR KNOB OPERATION Check the doors open/close correctly when operating the safety knob | All OK Go to Step 4 | | Faulty tierods | Restore correct coupling of lock tierod PROCEDURE OP. 7005C67 |
| | | | | | Incorrect lock fastening | Restore correct door lock fastening PROCEDURE OP. 7005N21 |

(Cont..)

(continued **Door closing faulty**)

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| | | | | Test results | | |
|----------|----------|---|---------------|---|---|---|
| Step | Validity | Operation to be performed | |  |  |  |
| 4 | | CHECK OUTER HANDLE OPERATION Check the doors open/close correctly when operating the outer handle (with safety knobs not engaged) | All OK | Go to Step 5 | Problems found Faulty tierods | Intervention Restore correct coupling of tierods on outer handle and lock PROCEDURE OP. 7005C42 |
| | | | | | Incorrect lock fastening | Restore correct lock fastening on door PROCEDURE OP. 7005N21 |
| 5 | | CHECK INNER HANDLE OPERATION Check doors open/close correctly when the outer handle is operated | All OK | Go to Step 6 | Problems found Faulty inner handle tierods | Intervention Restore correct coupling of tierod to handle PROCEDURE OP. 7005C55 |
| | | | | | Faulty tierods | Restore correct fastening of tierod to lock PROCEDURE OP. 7005C51 |
| 6 | | CHECK CORRECT OPERATION Check the fault is no longer present | All OK | End of test | — | — |

Diagnosis table

Symptom / conditions

P10

Door locking device not working

Operating the door locking device with the key (or with the remote control) the doors do not lock/unlock at all.

If the door locking device works with the key but not with the remote control, **see table P11**

Preliminary check:

- the repeat protection device has not been engaged
- battery voltage not less than 9 V

In these conditions, in fact, the door locking device is not powered by the ECU

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Test results

Step Validity Operation to be performed



| Step | Validity | Operation to be performed | OK | Warning | Key |
|----------|----------|--|---------------|---|--|
| 1 | | CHECK DOOR LOCKING DEVICE ELECTRIC CIRCUIT | All OK | Problems found | Intervention |
| | | Check in sequence: - door locking device fuse (F1) - connection between junction unit and door locking device ECU - connection between door locking device ECU and door lock (geared motor) - door locking device ECU earth - door lock switch earth (Wiring diagram: E3040 "Door locking device") | Go to Step 2 | Incorrect connections Faulty component | Restore connections Replace component (if it is a fuse, investigate the causes which may have triggered it) |
| 2 | | CHECK DOOR LOCKING DEVICE ECU AND GEARED MOTORS | All OK | Problems found | Intervention |
| | | Lock/unlock the doors and check: - 12V between door locking device ECU connector pins 2 and 3 - polarity is inverted at each operation (Wiring diagram: E3040 "Door locking device") | Go to Step 3 | No voltage Regular voltage | Check and if required replace the door lock geared motors PROCEDURE OP. 7005N27 Replace the door locking device ECU PROCEDURE OP. 7005N40 |
| 3 | | CHECK CORRECT OPERATION | All OK | Problems found | Intervention |
| | | Check the fault is no longer present | End of test | - | |

Diagnosis
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Symptom / conditions

P11 Door locking device not working with remote control

Operating the door locking device with the remote control the doors do not lock at all.

If the door locking device does not work with the key either, also see **table P11**

If the vehicle is fitted with an alarm and the alarm system is not turned on either, see **table A10**

Preliminary check:

– remote control battery charge

DIAGNOSIS

Test results

Step Validity Operation to be performed



| | | | | |
|---|---|---|---------------------------|---|
| 1 | CHECK DOOR LOCKING DEVICE ELECTRIC CIRCUIT | All OK Go to Step 2 | Problems found | Intervention |
| | | | Incorrect connections | Restore connections |
| | | | Faulty component | Replace component (if it is a fuse, investigate the causes which may have triggered it) |
| | | | Receiver not working | Replace receiver PROCEDURE OP. 5580E30 |
| 2 | CHECK CORRECT OPERATION | All OK End of test | Problems found | Intervention |
| | | | — | — |