

**Door module (RL)****Legend**Wiring diagram no. **81.99192.2990** Sheet **1** of 5

Change status: 03.01

**A = Central locking, passenger door****B = Window lift, passenger door**

A100 (255) Central fuse, relay and terminal block  
 A302 (352) Central computer 2  
 A451 (440) Door module (passenger side)  
 A453 (443) Window lift (passenger side)  
 A465 (453) Door lock (passenger side)

S519 (522) Lock nut switch, left  
 S527 (525) Control switch, window lift, left

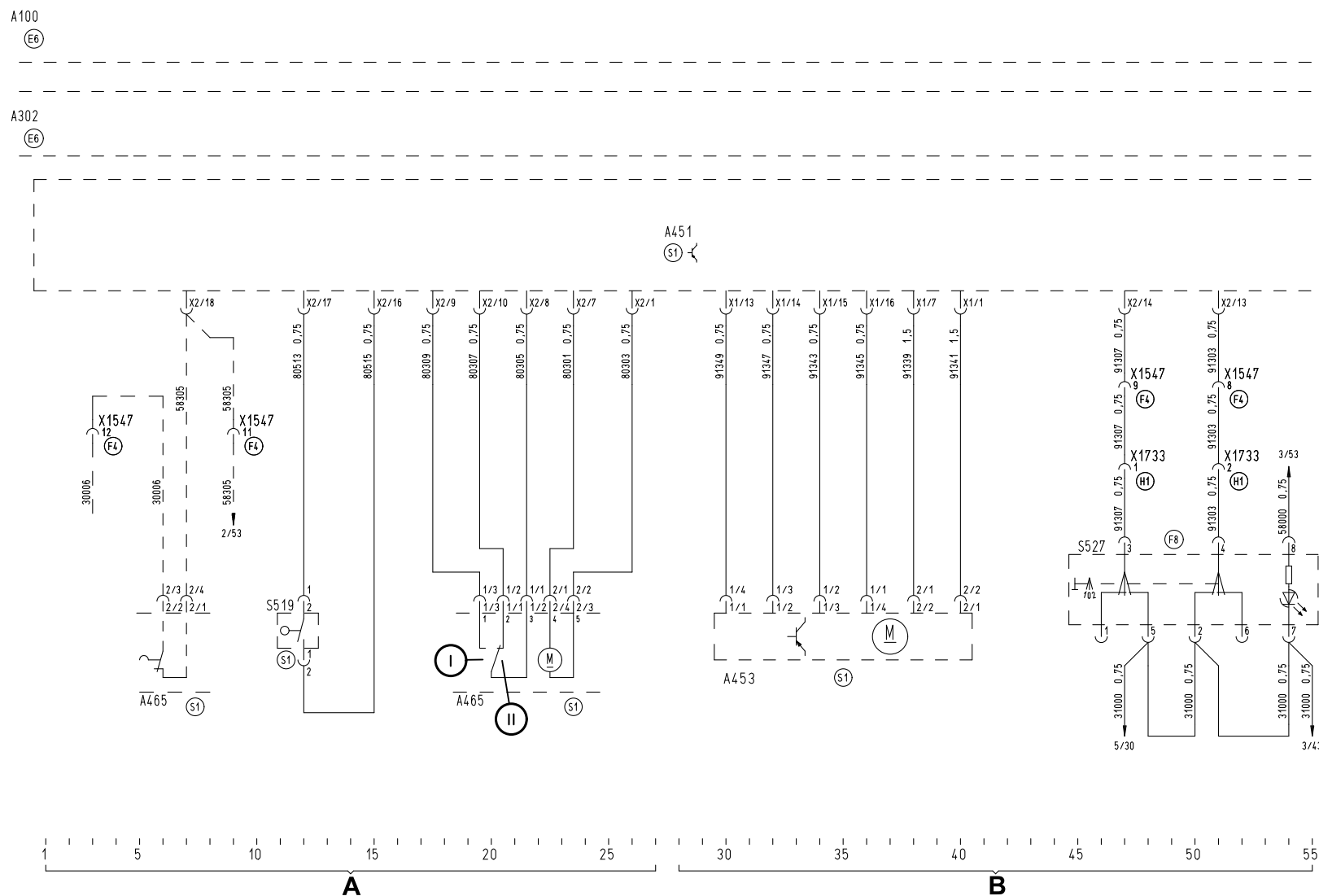
X1547 Stvd. door, left  
 X1733 Stvd. switch sunroof

**Pin assignment A451:**

X2/18 Central locking, lock latch switch E  
 X2/17 Central locking, lock nut switch E  
 X2/16 Central locking, lock nut switch A  
 X2/9 Central locking, actuator element locked/unlocked  
 X2/10 Central locking, actuator element locked/unlocked  
 X2/8 Central locking, actuator element locked/unlocked  
 X2/7 Central locking, engine, actuator element +  
 X2/1 Central locking, engine, actuator element -  
 X1/13 Window lift, hall sensor 2 signal  
 X1/14 Window lift, hall sensor 1 signal  
 X1/15 Window lift, hall sensor 1/2 +  
 X1/16 Window lift, hall sensor 1/2 -  
 X1/7 Window lift, engine +  
 X1/1 Window lift, engine -  
 X2/14 Close window lift  
 X2/13 Open window lift

**Marking of mounting positions**

- |                            |                                |
|----------------------------|--------------------------------|
| Ⓐ Tail                     | Ⓕ Driving seat                 |
| Ⓑ Engine                   | Ⓖ Passenger seat               |
| Ⓑ Gearbox                  | Ⓖ Control panel                |
| Ⓒ Front                    | Ⓖ Battery box                  |
| Ⓒ Bumper                   | Ⓖ B-pillar on driver's side    |
| Ⓒ Entrance right           | Ⓖ A-pillar on driver's side    |
| Ⓒ Entrance left            | Ⓖ B-pillar on passenger's side |
| Ⓖ Central electrics area   | Ⓖ A-pillar on passenger's side |
| Ⓖ Control unit racks       | Ⓖ Ceiling/roof                 |
| Ⓖ Rear wall of cab         | Ⓖ Front axle                   |
| Ⓖ Instrument panel         | Ⓖ Rear axle                    |
| Ⓖ Central part             | Ⓖ Front part of frame          |
| Ⓖ Steering wheel/column    | Ⓖ Rear part of frame           |
| Ⓖ Foot pedals              | Ⓖ Door left                    |
| Ⓖ Front wall, inside left  | Ⓖ Door right                   |
| Ⓖ Front wall, inside right |                                |
| Ⓘ Locking                  |                                |
| Ⓙ Unlocking                |                                |

Wiring diagram no. **81.99192.2990** Sheet **1** of **5**

## Door module (RL)

### Legend

Wiring diagram no. **81.99192.2990** Sheet 2 of 5

Change status: 03.01

**A = Mirror adjustment/mirror heating, passenger door**

**B = Power supply, passenger door**

**C = CAN**

A100 (255) Central fuse, relay and terminal block  
A157 (449) Main mirror (passenger side)  
A251 (447) Wide-angle mirror (passenger side)  
A253 (445) Curb mirror (passenger side)  
A302 (352) Central computer 2  
A451 (440) Door module (passenger side)

V645 (117) Diode group, door module  
V646 Diode, waking ZBR

X1547 Stvd. door, left  
X1583 Stvd. main and wide-angle mirror, left  
X1585 Stvd. curb mirror, left

### Pin assignment A451:

X1/6 Curb mirror + terminal 30  
X1/12 Curb mirror, earth  
X1/10 Curb mirror, serial  
X1/5 Main and wide-angle mirror + terminal 30  
X1/11 Main and wide-angle mirror, earth  
X1/9 Main and wide-angle mirror, serial  
X1/4 Power supply +15 (mirror)  
X1/2 Power supply +30 (cab + central locking)  
X1/8 Earth, load  
X1/17 CAN low  
X1/18 CAN high  
X2/15 Central vehicle computer, hazard warning light

### Marking of mounting positions

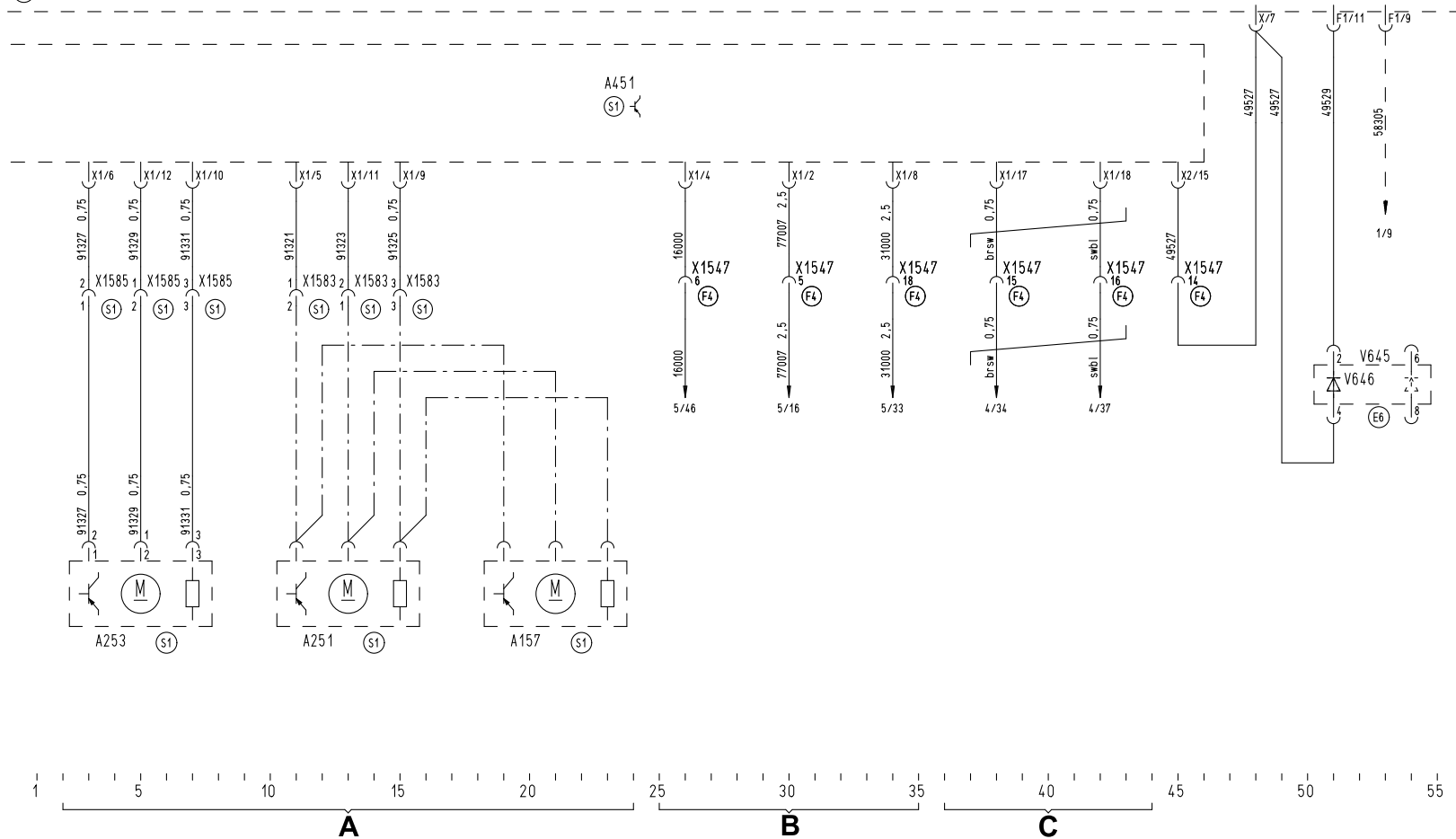
|                            |                                |
|----------------------------|--------------------------------|
| Ⓐ Tail                     | Ⓕ Driving seat                 |
| Ⓑ Engine                   | Ⓖ Passenger seat               |
| Ⓑ Gearbox                  | Ⓖ Control panel                |
| Ⓒ Front                    | Ⓖ Battery box                  |
| Ⓒ Bumper                   | Ⓖ B-pillar on driver's side    |
| Ⓒ Entrance right           | Ⓖ A-pillar on driver's side    |
| Ⓒ Entrance left            | Ⓖ B-pillar on passenger's side |
| Ⓖ Central electrics area   | Ⓖ A-pillar on passenger's side |
| Ⓖ Control unit racks       | Ⓖ Ceiling/roof                 |
| Ⓖ Rear wall of cab         | Ⓖ Front axle                   |
| Ⓖ Instrument panel         | Ⓖ Rear axle                    |
| Ⓖ Central part             | Ⓖ Front part of frame          |
| Ⓖ Steering wheel/column    | Ⓖ Rear part of frame           |
| Ⓖ Foot pedals              | Ⓖ Door left                    |
| Ⓖ Front wall, inside left  | Ⓖ Door right                   |
| Ⓖ Front wall, inside right |                                |

ADDITIONAL WIRING DIAGRAMS

Wiring diagram no. **81.99192.2990** Sheet 2 of 5

A100  
(E6)

A302  
(E6)



**Door module (RL)****Legend**Wiring diagram no. **81.99192.2990** Sheet **3** of 5

Change status: 03.01

**A = Central locking, driver's door****A = Window lift, driver's door**

A100 (255) Central fuse, relay and terminal block  
 A302 (352) Central computer 2  
 A452 (441) Door module (driver's side)  
 A454 (443) Window lift (driver side)  
 A466 (454) Door lock (driver's side)

S518 (522) Lock nut switch, driver's door  
 S526 (525) Control switch, window lift, right

X1546 Stvd. door, right  
 X1733 Stvd. switch sunroof  
 X2542 (246) Potential distributor, 21-pin line 58000

**Pin assignment A451:**

X2/18 Central locking, lock latch switch E  
 X2/17 Central locking, lock nut switch E  
 X2/16 Central locking, lock nut switch A  
 X2/9 Central locking, actuator element locked/unlocked  
 X2/10 Central locking, actuator element locked/unlocked  
 X2/8 Central locking, actuator element locked/unlocked  
 X2/7 Central locking, engine, actuator element +  
 X2/1 Central locking, engine, actuator element -  
 X1/13 Window lift, hall sensor 2 signal  
 X1/14 Window lift, hall sensor 1 signal  
 X1/15 Window lift, hall sensor 1/2 +  
 X1/16 Window lift, hall sensor 1/2 -  
 X1/7 Window lift, engine +  
 X1/1 Window lift, engine -  
 X2/14 Close window lift  
 X2/13 Open window lift

**Marking of mounting positions**

- |                            |                                |
|----------------------------|--------------------------------|
| Ⓐ Tail                     | Ⓕ Driving seat                 |
| Ⓑ Engine                   | Ⓖ Passenger seat               |
| Ⓑ Gearbox                  | Ⓖ Control panel                |
| Ⓒ Front                    | Ⓖ Battery box                  |
| Ⓒ Bumper                   | Ⓖ B-pillar on driver's side    |
| Ⓒ Entrance right           | Ⓖ A-pillar on driver's side    |
| Ⓒ Entrance left            | Ⓖ B-pillar on passenger's side |
| Ⓖ Central electrics area   | Ⓖ A-pillar on passenger's side |
| Ⓖ Control unit racks       | Ⓖ Ceiling/roof                 |
| Ⓖ Rear wall of cab         | Ⓖ Front axle                   |
| Ⓖ Instrument panel         | Ⓖ Rear axle                    |
| Ⓖ Central part             | Ⓖ Front part of frame          |
| Ⓖ Steering wheel/column    | Ⓖ Rear part of frame           |
| Ⓖ Foot pedals              | Ⓖ Door left                    |
| Ⓖ Front wall, inside left  | Ⓖ Door right                   |
| Ⓖ Front wall, inside right |                                |
| Ⓘ Locking                  |                                |
| Ⓙ Unlocking                |                                |

A100  
(E6)

A302  
(E6)



## Door module (RL)

### Legend

Wiring diagram no. **81.99192.2990** Sheet **4** of 5

Change status: 03.01

**A = Mirror adjustment/mirror heating, driver's door**

**B = Power supply, driver's door**

**C = CAN**

**D = Sunroof**

**E = Diagnosis**

A100 (255) Central fuse, relay and terminal block  
A157 (450) Main mirror (driver)  
A252 (448) Wide-angle mirror (driver)  
A254 (446) Curb mirror (driver)  
A302 (352) Central computer 2  
A452 (441) Door module (driver's side)

X147 Stvd. sunroof/roof hatch  
X1546 Stvd. door right  
X1582 Stvd. main and wide-angle mirror, right  
X1584 Stvd. curb mirror, right  
X2544 (246) Potential distributor 21-pin K-line

### Pin assignment A452:

X1/6 Curb mirror + terminal 30  
X1/12 Curb mirror, earth  
X1/10 Curb mirror, serial  
X1/5 Main and wide-angle mirror + terminal 30  
X1/11 Main and wide-angle mirror, earth  
X1/9 Main and wide-angle mirror, serial  
X1/4 Power supply +15 (serial)  
X1/2 Power supply +30 (cab + central locking)  
X1/8 Earth, load  
X1/17 CAN low  
X1/18 CAN high  
X2/15 Sunroof  
X2/12 K-line  
X2/5 Alarm system

### Marking of mounting positions

- |                            |                                |
|----------------------------|--------------------------------|
| Ⓐ Tail                     | Ⓕ Driving seat                 |
| Ⓑ Engine                   | Ⓖ Passenger seat               |
| Ⓑ Gearbox                  | Ⓖ Control panel                |
| Ⓒ Front                    | Ⓖ Battery box                  |
| Ⓒ Bumper                   | Ⓖ B-pillar on driver's side    |
| Ⓒ Entrance right           | Ⓖ A-pillar on driver's side    |
| Ⓒ Entrance left            | Ⓖ B-pillar on passenger's side |
| Ⓒ Central electrics area   | Ⓖ A-pillar on passenger's side |
| Ⓒ Control unit racks       | Ⓖ Ceiling/roof                 |
| Ⓒ Rear wall of cab         | Ⓖ Front axle                   |
| Ⓒ Instrument panel         | Ⓖ Rear axle                    |
| Ⓒ Central part             | Ⓖ Front part of frame          |
| Ⓒ Steering wheel/column    | Ⓖ Rear part of frame           |
| Ⓒ Foot pedals              | Ⓖ Door left                    |
| Ⓒ Front wall, inside left  | Ⓖ Door right                   |
| Ⓒ Front wall, inside right |                                |
| Ⓖ Sunroof                  |                                |

A100  
(E6)

A302  
(E6)

A452  
(S2) 



## Door module (RL)

### Legend

Wiring diagram no. **81.99192.2990** Sheet **5** of 5

Change status: 03.01

### A = Supply voltage

**A100** (255) Central fuse, relay and terminal block

**A302** (352) Central computer 2

**F376** (101) Fuse, cab interior (terminal 15)

**F382** (130) Fuse, door module (terminal 15)

**F383** (130) Fuse, door module (terminal 30)

**X1733** Stvd. switch sunroof

### Marking of mounting positions

Ⓐ Tail

Ⓑ Engine

Ⓑ Gearbox

Ⓒ Front

Ⓒ Bumper

Ⓒ Entrance right

Ⓒ Entrance left

Ⓔ Central electrics area

Ⓔ Control unit racks

Ⓔ Rear wall of cab

Ⓔ Instrument panel

Ⓔ Central part

Ⓔ Steering wheel/column

Ⓔ Foot pedals

Ⓔ Front wall, inside left

Ⓔ Front wall, inside right

Ⓕ Driving seat

Ⓕ Passenger seat

Ⓕ Control panel

Ⓕ Battery box

Ⓕ B-pillar on driver's side

Ⓕ A-pillar on driver's side

Ⓕ B-pillar on passenger's side

Ⓕ A-pillar on passenger's side

Ⓕ Ceiling/roof

Ⓕ Front axle

Ⓕ Rear axle

Ⓕ Front part of frame

Ⓕ Rear part of frame

Ⓕ Door left

Ⓕ Door right

ADDITIONAL WIRING DIAGRAMS

Wiring diagram no. **81.99192.2990** Sheet 5 of 5

