

DESCRIPTION AND OPERATION

Drivers Door

The BCU controls operation of the drivers door lock via the drivers door module. The drivers door module (C2017) is provided a constant battery feed from fuse 11 of the passenger compartment fuse box (C0585) on an RP wire. The module (C2017) is earthed on an N wire.

The BCU (C0660) communicates with the drivers door module (C2058) via the P-bus on a UR wire. If the drivers door module (C2058) receives an unlock signal from the BCU, it provides a feed to the door lock motor (C1449) on a U wire. Current flows across the motor (C1449) and is provided an earth path via the drivers door module (C2058) on a B wire.

The drivers door can also be unlocked using the key. The drivers door module (C2058) monitors the condition of the door lock barrel switch (C1449) on a WB wire. When the door lock is moved to the unlock position, the switch contacts close and an earth path is created on an N wire. Sensing this, the drivers door module unlocks the drivers door.

If the drivers door module (C2058) receives a lock signal from the BCU, it provides a feed to the door lock motor (C1449) on a B wire. Current flows across the motor (C1449) and is provided an earth path via the drivers door module (C2058) on a U wire.

If the drivers door module (C2058) receives a superlock signal from the BCU, it provides a feed to the superlock motor (C1449) on a W wire. Current flows across the superlock motor (C1449) and is provided an earth path via the drivers door module (C2058) on a U wire.

The drivers door can also be locked using the key. The drivers door module (C2058) monitors the condition of the door lock barrel switch (C1449) on a UR wire. When the door lock is moved to the lock position, the switch contacts close and an earth path is created on an N wire. Sensing this, the drivers door module locks the drivers door.

Front Passenger Door

The BCU controls operation of the front passenger door lock via the passenger door module. The passenger door module (C2016) is provided a constant battery feed from fuse 24 of the passenger compartment fuse box (C0583) on an RW wire. The module (C2016) is earthed on an N wire.

The BCU (C0660) communicates with the passenger door module (C2057) via the P-bus on a UR wire. If the passenger door module (C2057) receives an unlock signal from the BCU, it provides a feed to the door lock motor (C1451) on a U wire. Current flows across the motor (C1451) and is provided an earth path via the drivers door module (C2057) on a B wire.

If the passenger door module (C2057) receives a lock signal from the BCU, it provides a feed to the door lock motor (C1451) on a B wire. Current flows across the motor (C1451) and is provided an earth path via the passenger door module (C2057) on a U wire.

If the passenger door module (C2057) receives a superlock signal from the BCU, it provides a feed to the superlock motor (C1451) on a W wire. Current flows across the superlock motor (C1451) and is provided an earth path via the drivers door module (C2057) on a U wire.