

515 Central Locking

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GENERAL

The central locking system uses electrical locking actuators at all four doors, the gas filler door and the trunk lid. The locking system can be actuated by either front door lock or by the trunk lid lock. When the key is in the lock position, a microswitch engages the central locking system via the general module. The general module is mounted beneath the rear seat.

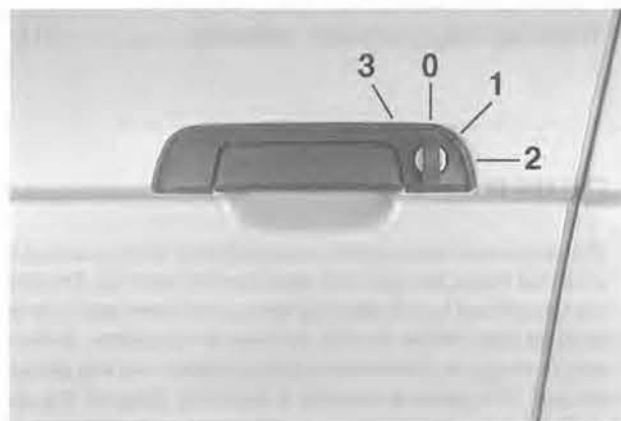
Microswitches are operated via the door lock cylinder at both front doors. Turning the key approximately 45° operates the door locking microswitch. Turning the key approximately 90° actuates the double locking microswitch. Turning the key approximately 45° in the opposite direction from position "0" actuates the unlocking microswitch and deactivates the alarm system.

The door lock microswitches are integrated in the front door handle/door lock assembly. See **411 Doors** for removal and replacement of the front door handle.

NOTE—

If just one of the central locking actuators does not operate, the locking linkage could be frozen or stiff enough to prevent actuation of the actuator. Remove the interior door panel and lubricate the locking linkage.

515-2 CENTRAL LOCKING



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Central locking function, checking

- Turn ignition on.
- Lower all windows.
- Open sunroof fully.
- Turn ignition off.
- Turn door lock to position 3 to double lock doors, trunk lid and fuel filler flap. (A loud click will be heard twice.)

NOTE—

Check that door catch buttons cannot be pulled up manually and that the alarm system is armed.

- Check that fuel filler flap and trunk lid are locked.
- Using ignition key, unlock all doors.
- Lock doors and wait at least 35 seconds.
- Lift door handle and hold for at least 5 seconds.
- Check heating of lock with your finger on the keyhole.

NOTE—

Door locks will be heated for 40 seconds. The heater can be switched on again afterwards by lifting the door handle. The heating function can only be activated three times within 40 minutes. Door lock heating can only be activated from the driver's door lock.

Emergency locking and unlocking doors

In the event of a power failure (discharged battery), the vehicle can be manually locked and unlocked at the front right (passenger) door.

NOTE—

On cars built before July 1990, the driver's door can also be manually unlocked using this method.

- To manually unlock passenger door, place ignition key in lock cylinder and lift door handle while turning key fully in clockwise direction.
 - To lock the door manually, turn key fully in the counter-clockwise direction.



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GENERAL

Synchronizing central locking system

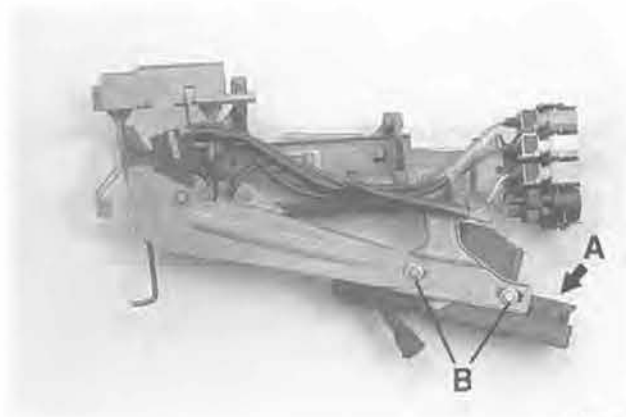
Under certain circumstances, the door locks may become unsynchronized. To synchronize the locks, close all doors and trunk lid. Lock the passenger door by turning the key clockwise into the emergency locking position (approximately 110° from position 0). Unlock the driver's door. If any of the locks do not operate, repeat the locking procedure until the locking system is synchronized.

NOTE —

Unsynchronization might happen if a door which is not completely closed is locked or a door handle is lifted before the interior lock button is raised.

Front door locking actuator, replacing

- Remove interior door panel. See 411 Doors.
- Disconnect harness connector from locking actuator by pushing back sliding lock on connector.
- ◀ Locking activator harness connection (A). Remove front door lock actuator mounting screws (B) and lift out locking actuator.
- Installation is reverse of removal. Check fit of actuator in linkage and locking operation before installing door panel.



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Front door locking actuator, adjusting

- Attach linkage rod to locking actuator and install locking actuator so that mounting screws are centered in elongated mounting holes.
- Connect actuator harness connector to locking actuator.
- Mount actuator on outside door handle and attach screws loosely.
- Push locking actuator into locked position.
- Push back locking actuator as far as possible. Compress central lock actuator by hand to relieve pressure from locking pawl.
- Tighten screws.

Tightening Torque

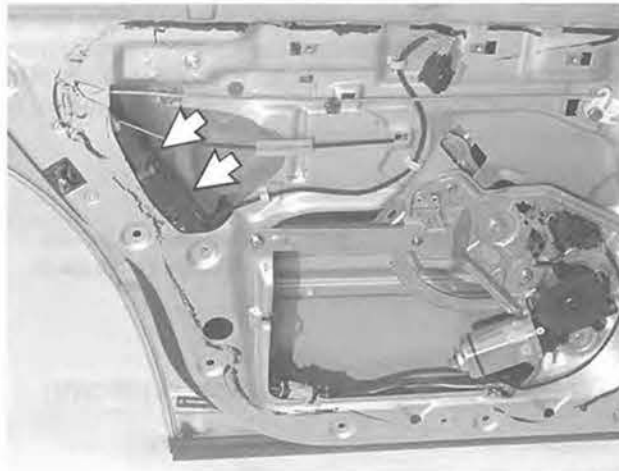
- Central lock actuator to lock assembly .2 Nm (18 in-lb)

GENERAL

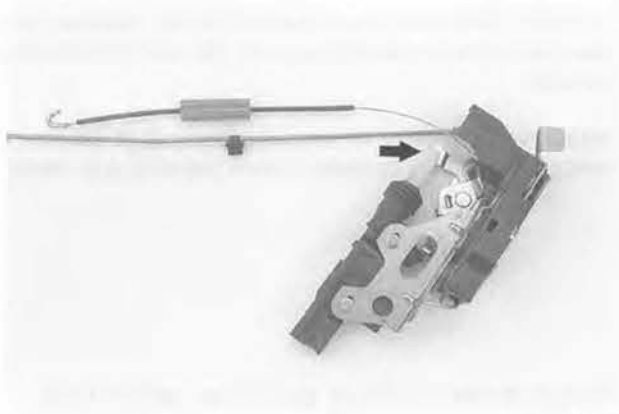
515-4 CENTRAL LOCKING

Rear door locking actuator, replacing

- Remove interior door panel. See **411 Doors**.
- Remove locking actuator mounting screws (**arrows**) and undo wire connectors to enable actuator to be tilted upward.
- Lift out locking actuator and disconnect harness connector.



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- Rear door locking actuator correctly engaged to linkage (**arrow**).
- Installation is reverse of removal. Check fit of actuator in linkage and locking operation before installing door panel.

GENERAL

Rear door locking actuator, adjusting

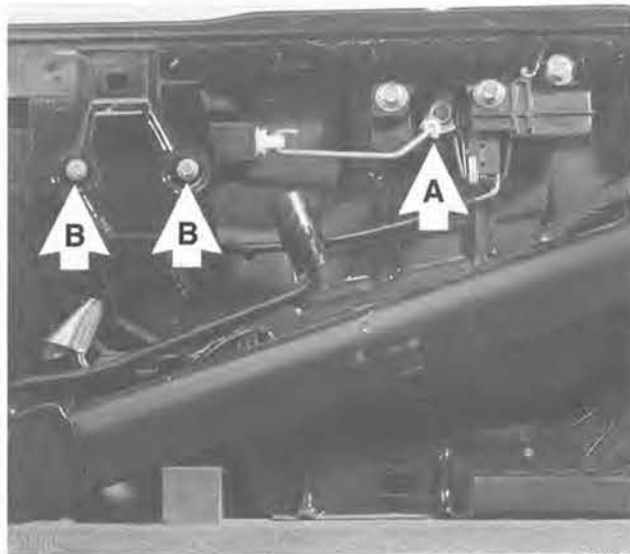
- Attach linkage rod to locking actuator and install locking actuator so that mounting screws are centered in elongated mounting holes.
- Connect actuator harness connector to locking actuator.
- Mount actuator to door and attach screws loosely.
- Push locking actuator into locked position.
- Push back locking actuator as far as possible. Compress the central lock actuator by hand to relieve pressure from the locking pawl.
- Tighten screws.

Tightening Torque

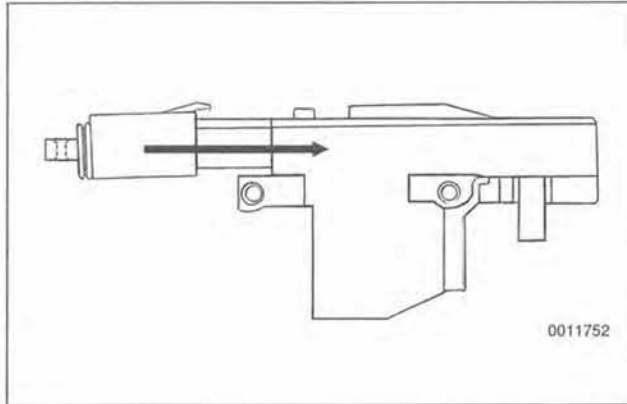
- Central lock actuator to door 2 Nm (18 in-lb)

Trunk lid locking actuator, replacing

- Remove trunk rear trim panel from around lock area.
- ✦ Disconnect locking linkage at lock cylinder (A). Unscrew locking actuator mounting screws (B) and remove actuator.
- Installation is reverse of removal. Adjust linkage as described below.



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Trunk lid locking actuator, adjusting

- Place lock in unlocked position.
- Connect actuator and linkage.
- Loosely tighten bolts.
- Push actuator into locked position (**arrow**) prior to adjusting and pull locking actuator body slightly to left and tighten screws.
- Check function.

Tightening Torque

- Central lock actuator to door. 2 Nm (18 in-lb)



GENERAL