

PARKING ASSIST UNIT (OPTICAL) REMOVAL/INSTALLATION [(E)]

Warning

• Handling a front seat equipped with a side air bag improperly can accidentally operate (deploy) the air bag, which may seriously injure you. Read the service warnings/cautions in the Workshop Manual before handling the front seat (side air bag integrated). (See [AIR BAG SYSTEM SERVICE WARNINGS \[STANDARD DEPLOYMENT CONTROL SYSTEM\]](#).) (See [AIR BAG SYSTEM SERVICE CAUTIONS \[STANDARD DEPLOYMENT CONTROL SYSTEM\]](#).) (See [AIR BAG SYSTEM SERVICE WARNINGS \[TWO-STEP DEPLOYMENT CONTROL SYSTEM\]](#).) (See [AIR BAG SYSTEM SERVICE CAUTIONS \[TWO-STEP DEPLOYMENT CONTROL SYSTEM\]](#).)

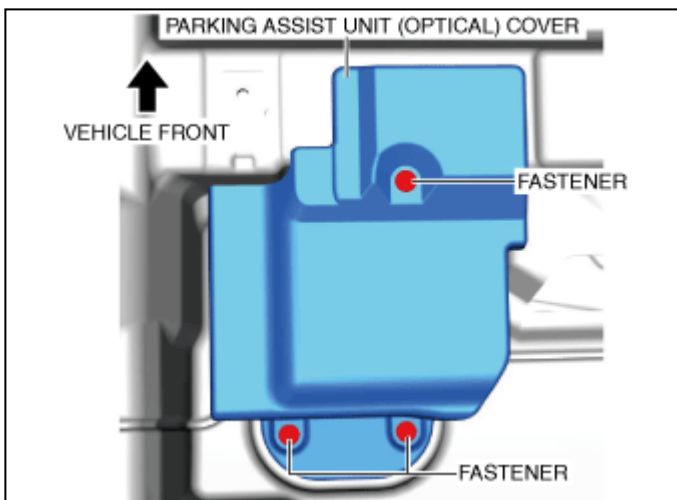
1. Remove the head restraint.
2. Remove the front seat installation bolts. (See [FRONT SEAT REMOVAL/INSTALLATION \[\(E\)\]](#).)
3. Remove the front seat belt lower anchor. (See [FRONT SEAT BELT REMOVAL/INSTALLATION](#).)
4. Perform the following procedure. (without Mazda M Hybrid)
 - (1) Switch the ignition off.
 - (2) Disconnect the negative battery terminal and wait for 1 min or more. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION \[\(E\)\]](#).)
5. Perform the following procedure. (with Mazda M Hybrid, without seat warmer system)
 - (1) Switch the ignition off.
 - (2) Disconnect the negative battery terminal and wait for 1 min or more. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION \[\(E\)\]](#).)
6. Perform the following procedure. (with Mazda M Hybrid, with seat warmer system)
 - (1) Verify if the ground plate needs to be disconnected and if it does, disconnect it. (See [GROUND PLATE DISCONNECTION/CONNECTION](#).)
7. Remove the front seat (LH). (See [FRONT SEAT REMOVAL/INSTALLATION \[\(E\)\]](#).)
8. Perform the following procedure to allow the backup power supply to deplete its stored power. (With backup power supply)

Note

• While the power stored in the backup power supply is being depleted, the door latch and lock actuator does not operate. This does not indicate an improper procedure. Continue to perform the procedure.
• After performing Step (3) and the door latch and lock actuator starts to operate, the door lock switch (driver's side) no longer needs to be operated.

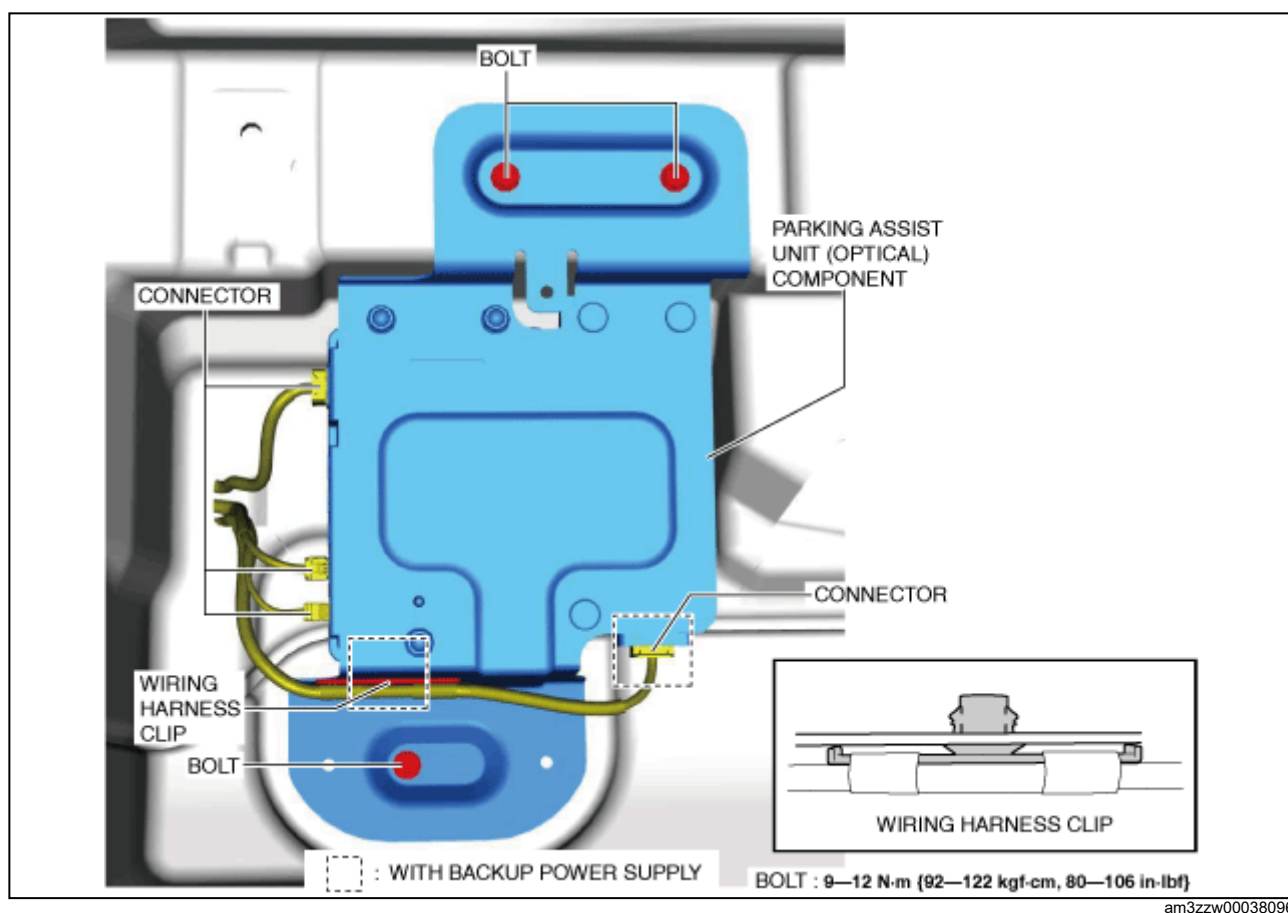
- (1) Close the front door (driver's side).
- (2) Open the front door (driver's side).
- (3) Within 30 s after performing Step (2), press and hold the unlock side of the door lock switch (driver's side) for 5 s or more.
- (4) Wait until the door latch and lock actuator stops.

9. Remove the fastener.



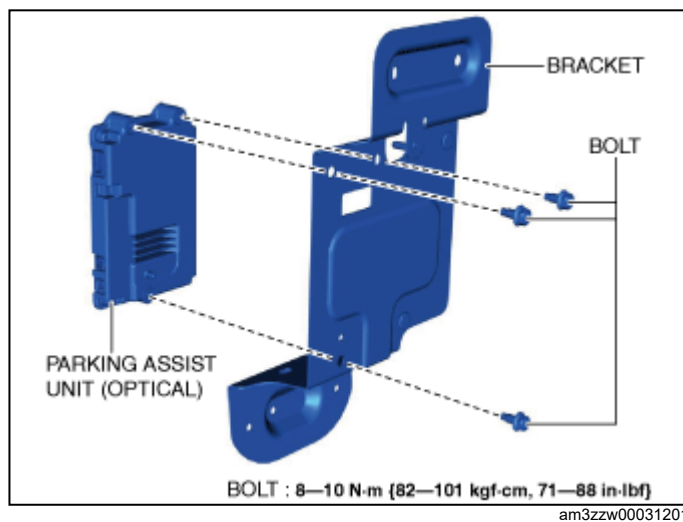
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10. Remove the parking assist unit (optical) cover.
11. Remove the bolts.



12. Disconnect the connectors.
13. Remove the wiring harness clip. (With backup power supply)
14. Remove the parking assist unit (optical) component.
15. When removing the bracket, perform the following procedure:

- (1) Remove the bolts.



- (2) Remove the bracket.

16. Install in the reverse order of removal.

Note

- When replacing the bracket, remove the backup power supply. (With backup power supply) (See [BACKUP POWER SUPPLY REMOVAL/INSTALLATION \[\(E\)\]](#).)