MAIN BATTERY CABLE

2102T–01

REPLACEMENT

NOTICE:

- **When working on the high voltage systems, always wear insulating gloves.**
- **After removing the service plug grip, do not operate the power switch as it may damage the hybrid vehicle control ECU.**
- **Keep the removed service plug in your pocket to prevent other technicians from reconnecting it while you are servicing the vehicle.**
- **After removing the service plug grip, do not touch the high voltage connectors and terminals for 5 minutes.**

1. **PRECAUTION (See page 21–8)**
2. **REMOVE REAR FLOOR BOARD NO.2 (See page 21–120)**
3. **REMOVE DECK FLOOR BOX REAR (See page 21–120)**
4. **REMOVE REAR FLOOR BOARD NO.3 (See page 21–120)**
5. **DISCONNECT BATTERY NEGATIVE TERMINAL (See page 21–120)**
6. **REMOVE SERVICE PLUG GRIP (See page 21–120)**
7. **REMOVE DECK TRIM COVER REAR (See page 21–56)**
8. **REMOVE TONNEAU COVER ASSY (See page 21–56)**
9. **REMOVE REAR SEAT CUSHION ASSY (See page 21–56)**
10. **REMOVE REAR FLOOR BOARD NO.1 (See page 21–56)**
11. **REMOVE REAR SIDE SEAT BACK FRAME LH (See page 21–56)**
12. **REMOVE REAR SIDE SEAT BACK FRAME RH (See page 21–56)**
13. **REMOVE REAR FLOOR BOARD NO.4 (See page 21–56)**
14. **REMOVE DECK FLOOR BOX LH (See page 21–56)**
15. **REMOVE DECK TRIM SIDE PANEL ASSY LH (See page 21–56)**
16. **REMOVE DECK TRIM SIDE PANEL ASSY RH (See page 21–56)**
17. **REMOVE BATTERY CARRIER BRACKET (See page 21–56)**
18. **REMOVE QUARTER VENT DUCT INNER NO.2 (See page 21–56)**
19. **REMOVE BATTERY BRACKET REINFORCEMENT (See page 21–56)**
20. **REMOVE QUARTER VENT DUCT (See page 21–56)**
21. **REMOVE BATTERY CARRIER PANEL NO.6 (See page 21–56)**
22. **REMOVE JUNCTION TERMINAL (See page 21–56)**

NOTICE:

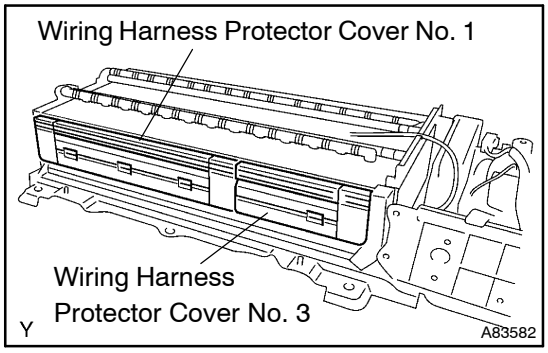
Wear insulating gloves.

23. **REMOVE FRAME WIRE (See page 21–56)**

NOTICE:

Wear insulating gloves.

24. **REMOVE HV BATTERY ASSY (See page 21–56)**
25. **REMOVE BATTERY COVER SUB–ASSY (See page 21–56)**



26. REMOVE WIRING HARNESS PROTECTOR COVER NO.1

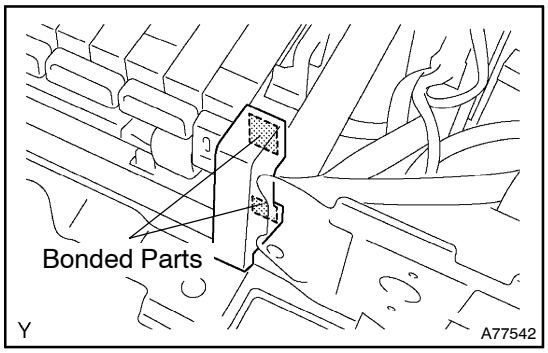
NOTICE:

Wear insulating gloves.

27. REMOVE WIRING HARNESS PROTECTOR COVER NO.3

NOTICE:

Wear insulating gloves.

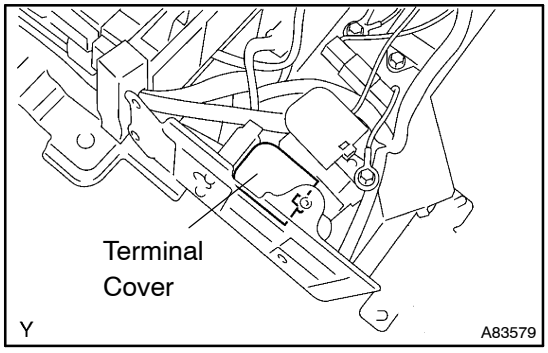


28. REMOVE BATTERY CARRIER CUSHION NO.3

NOTICE:

Wear insulating gloves.

(a) Peel off the bonded parts, then remove the battery carrier cushion No. 3.

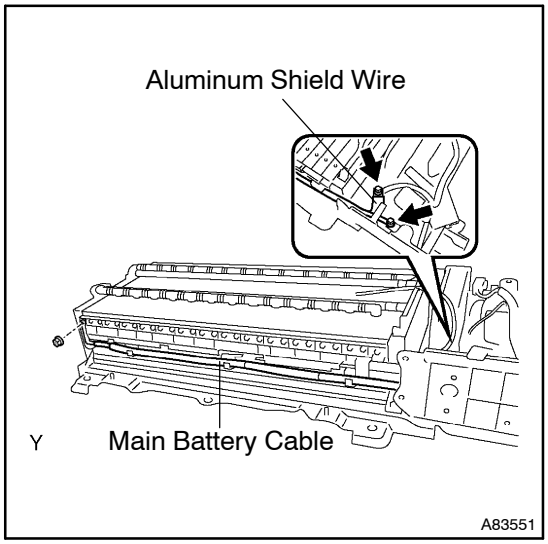


29. REMOVE MAIN BATTERY CABLE

NOTICE:

Wear insulating gloves.

(a) Remove the terminal cover shown in the illustration.

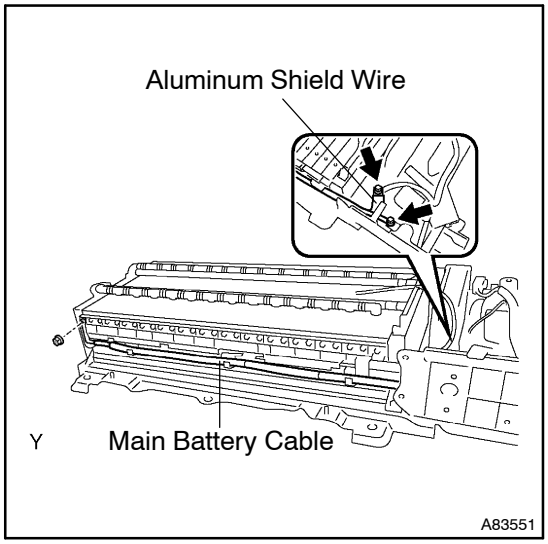


(b) Remove the nut, then disconnect the aluminum shield wire.

(c) Remove the nut, then disconnect the main battery cable from the system main relay No. 3.

(d) Remove the nut, then disconnect the main battery cable from the frame wire No. 2.

(e) Remove the main battery cable from the HV battery.



30. INSTALL MAIN BATTERY CABLE

NOTICE:

Wear insulating gloves.

(a) Temporarily fasten the main battery cable to the HV battery.

(b) Install the main battery cable to the frame wire No. 2 with a new nut.

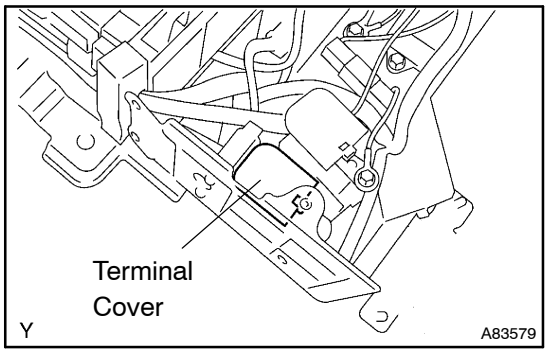
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

(c) Install the main battery cable to the system main relay No. 3 with a new nut.

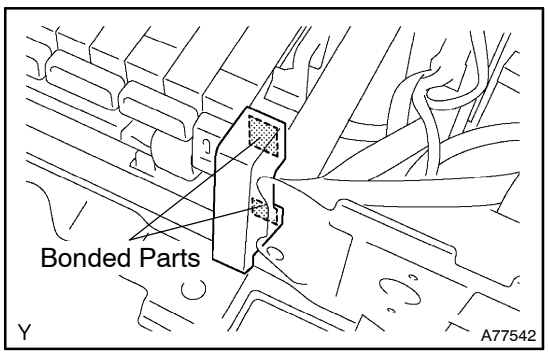
Torque: 5.6 N·m (57 kgf·cm, 50 in.·lbf)

(d) Install the aluminum shield wire with a new nut.

Torque: 3.3 N·m (34 kgf·cm, 29 in.·lbf)



(e) Install the terminal cover shown in the illustration.



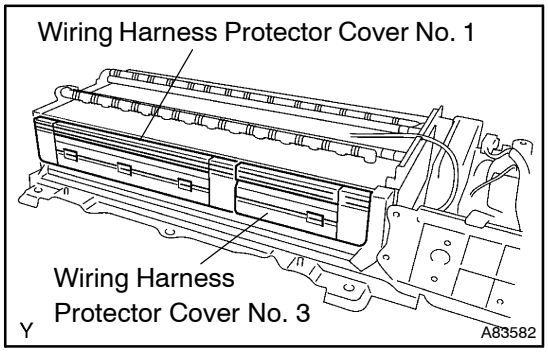
31. INSTALL BATTERY CARRIER CUSHION NO.3

NOTICE:

Wear insulating gloves.

(a) Degrease and clean the installation surface of the battery carrier cushion No. 3.

(b) Install a new battery carrier cushion No. 3.



32. INSTALL WIRING HARNESS PROTECTOR COVER NO.1

NOTICE:

Wear insulating gloves.

33. INSTALL WIRING HARNESS PROTECTOR COVER NO.3

NOTICE:

Wear insulating gloves.

34. INSTALL BATTERY COVER SUB–ASSY (See page 21–56)
35. INSTALL HV BATTERY ASSY (See page 21–56)
36. INSTALL FRAME WIRE (See page 21–56)

NOTICE:
Wear insulating gloves.

37. INSTALL JUNCTION TERMINAL (See page 21–56)

NOTICE:
Wear insulating gloves.

38. INSTALL BATTERY CARRIER PANEL NO.6 (See page 21–56)
39. INSTALL QUARTER VENT DUCT (See page 21–56)

NOTICE:
Wear insulating gloves.

40. INSTALL BATTERY BRACKET REINFORCEMENT (See page 21–56)
41. INSTALL QUARTER VENT DUCT INNER NO.2 (See page 21–56)
42. INSTALL BATTERY CARRIER BRACKET (See page 21–56)
43. INSTALL DECK TRIM SIDE PANEL ASSY RH
44. INSTALL DECK TRIM SIDE PANEL ASSY LH
45. INSTALL DECK FLOOR BOX LH
46. INSTALL REAR FLOOR BOARD NO.4
47. INSTALL REAR SIDE SEAT BACK FRAME RH
48. INSTALL REAR SIDE SEAT BACK FRAME LH
49. INSTALL REAR FLOOR BOARD NO.1
50. INSTALL REAR SEAT CUSHION ASSY
51. INSTALL TONNEAU COVER ASSY
52. INSTALL DECK TRIM COVER REAR
53. INSTALL SERVICE PLUG GRIP (See page 21–120)

NOTICE:
Wear insulating gloves.

54. CONNECT BATTERY NEGATIVE TERMINAL
    Torque: 6.0 N·m (61 kgf·cm, 53 in.·lbf)
55. INSTALL REAR FLOOR BOARD NO.3
56. INSTALL DECK FLOOR BOX REAR
57. INSTALL REAR FLOOR BOARD NO.2
58. POWER WINDOW CONTROL SYSTEM INITIALIZE (See page 01–29)