

## 4-5. PROTECTIVE CONTROL BOX MAINTENANCE

This task covers:

- |  |                        |
|--|------------------------|
| <p>a. Removal</p> <p>b. Inspection</p> | <p>c. Installation</p> |
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### INITIAL SETUP:

Tools

General mechanic's tool kit:  
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-280-10  
TM 9-2320-280-24P

Materials/Parts

Silicone compound (Appendix C, Item 48)

Equipment Condition

- Battery ground cable disconnected (para. 4-73).
- Hood raised and secured (TM 9-2320-280-10).

Personnel Required

One mechanic  
One assistant

### CAUTION

The control box must be supported from inside the vehicle during removal and installation or damage to protective control box/unit may result.

#### a. Removal

1. Working under hood, disconnect engine wiring harness cannon plug (6) from control box (5).
2. From inside the vehicle, disconnect body wiring harness cannon plug (3) from control box (5).
3. Remove four screws (1) and control box (5) from cowl (2).

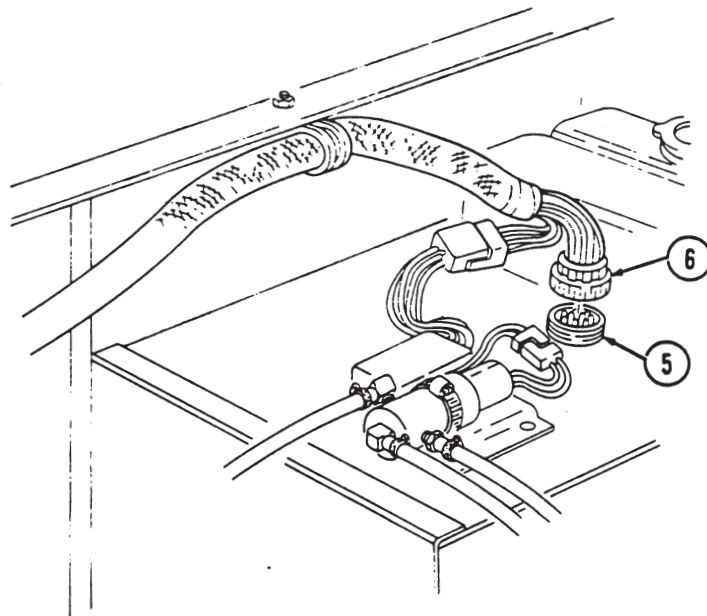
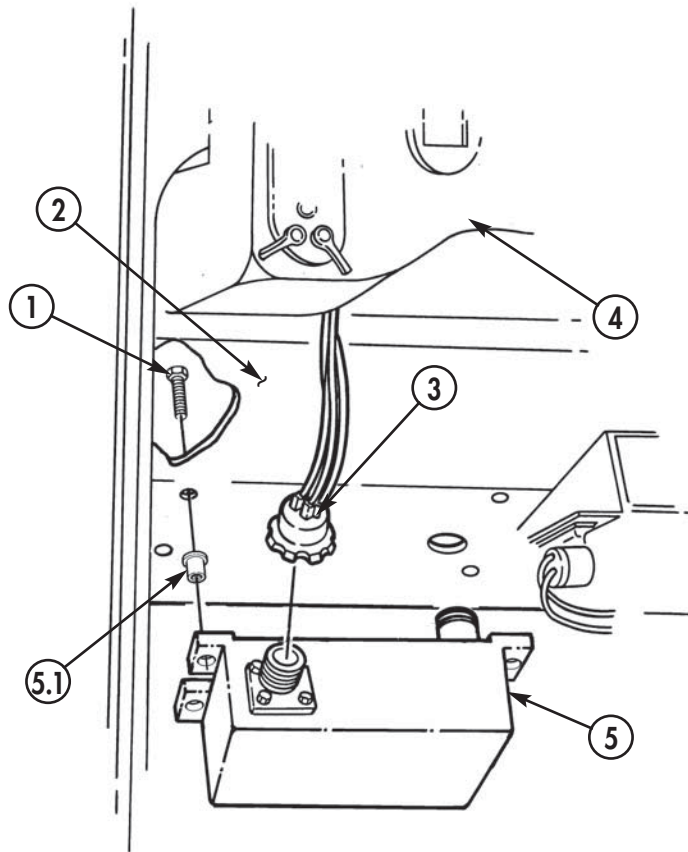
#### b. Inspection

Inspect rivnuts (5.1) for damage. Replace rivnuts (5.1) if damaged (para. 10-66).

#### c. Installation

1. Position control box (5) under instrument panel (4) against cowl (2).
2. From under hood, install control box (5) on cowl (2) with four screws (1). Tighten screws (1) to 6 lb-ft (8 N•m).
3. Fill engine wiring cannon plug (6) and control box connection (5) to capacity with silicone.
4. From inside vehicle, connect body wiring harness cannon plug (3) to control box (5).
5. Connect engine wiring harness cannon plug (6) to control box (5).

**4-5. PROTECTIVE CONTROL BOX MAINTENANCE (Cont'd)**



- FOLLOW-ON TASKS:**
- Lower and secure hood (TM 9-2320-280-10).
  - Connect battery ground cable (para. 4-73).

## 4-5.1. DISTRIBUTION BOX MAINTENANCE

This task covers:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>a. Removal</li> <li>b. Inspection</li> </ul> | <ul style="list-style-type: none"> <li>c. Installation</li> </ul> |
|---|---|

### INITIAL SETUP:

Tools

General mechanic's tool kit:  
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-280-10  
TM 9-2320-280-24P

Personnel Required

One mechanic  
One assistant

Equipment Condition

- Battery ground cable disconnected (para. 4-73).
- Hood raised and secured (TM 9-2320-280-10).

### **CAUTION**

The distribution box must be supported from inside the vehicle during removal and installation, or damage to distribution box may result.

**a. Removal**

1. From inside the vehicle, disconnect body wiring harness cannon plug (3) from distribution box (4).
2. Working under hood, disconnect engine wiring harness cannon plug (6) and glow plug wiring harness cannon plug (7) from distribution box (4).
3. Remove four screws (1) and distribution box (4) from cowl (2).

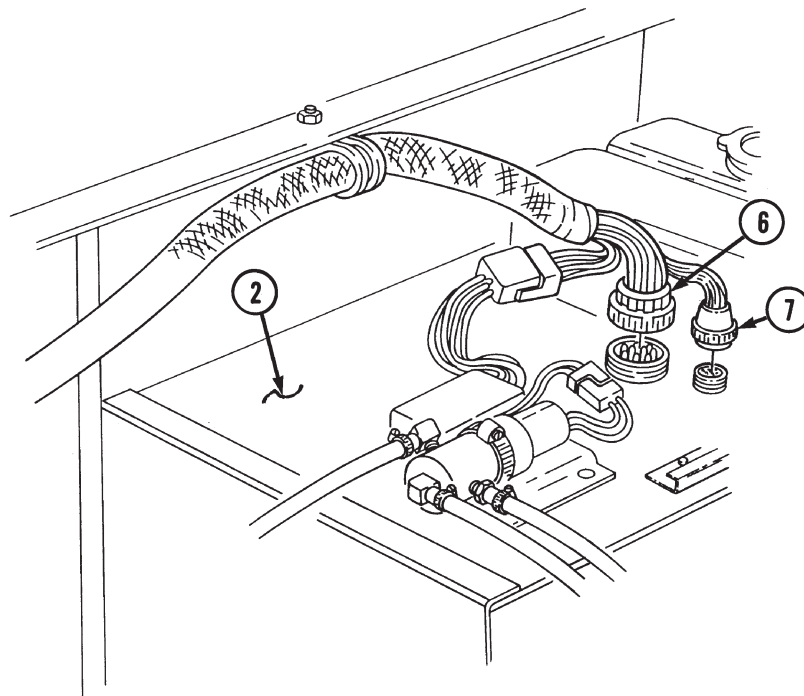
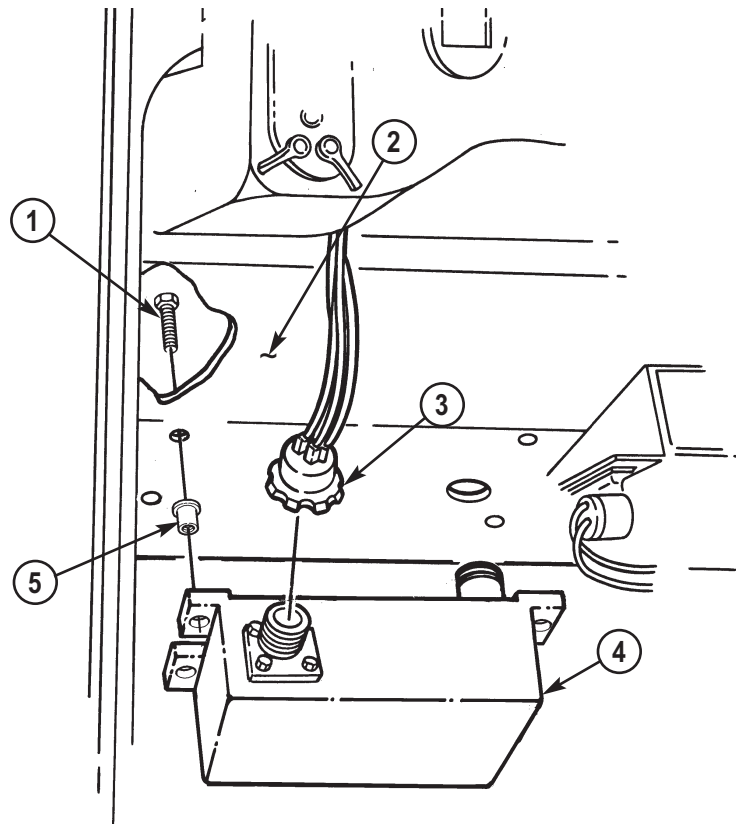
**b. Inspection**

Inspect rivnuts (5) for damage. Replace rivnuts (5) if damaged (para. 10-66).

**c. Installation**

1. From under hood, install distribution box (4) on cowl (2) with four screws (1). Tighten screws (1) to 71 lb-in. (8 N•m).
2. Connect body wiring harness cannon plug (3) to distribution box (4).
3. Connect engine wiring harness cannon plug (6) to distribution box (4).
4. Connect glow plug wiring harness cannon plug (7) to distribution box (4).

4-5.1. DISTRIBUTION BOX MAINTENANCE (Cont'd)



- FOLLOW-ON TASKS:
- Lower and secure hood (TM 9-2320-280-10).
  - Connect battery ground cable (para. 4-73).