

3-25. FUEL TANK SUPPLY AND RETURN LINES REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Tools

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

Equipment Condition

Engine right splash shield removed (para. 10-20).

Materials/Parts

Two locknuts (Appendix G, Item 70)

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

Manual References

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

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

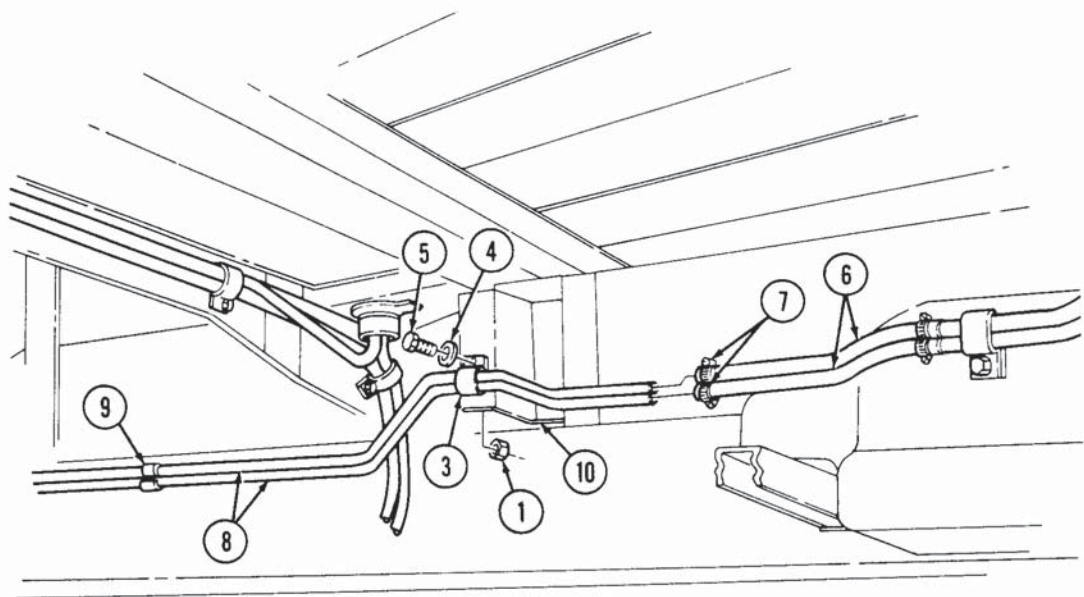
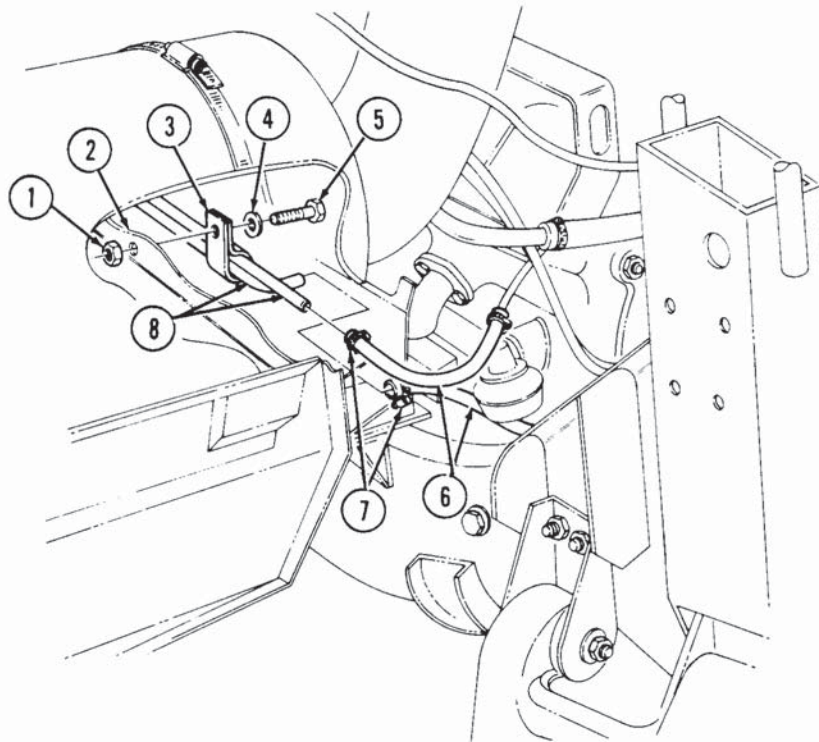
Have drainage container ready to catch fuel.

1. Loosen clamps (7) and disconnect hoses (6) from fuel tank return and supply lines (8).
2. Remove two locknuts (1), capscrews (5), washers (4), clamps (3) and return and supply lines (8) from front body bracket (2) and rear body bracket (10). Discard locknuts (1).
3. Remove three clips (9) securing lines together.

b. Installation

1. Install return and supply lines (8) on front body bracket (2) and rear body bracket (10) with two clamps (3), washers (4), capscrews (5), and locknuts (1).
2. Connect supply and return lines (8) to hoses (6) and tighten clamps (7).
3. Secure fuel supply and return lines (8) together with three clips (9).

3-25. FUEL TANK SUPPLY AND RETURN LINES REPLACEMENT (Cont'd)



- FOLLOW-ON TASKS:
- Install engine right splash shield (para. 10-20).
 - Fill fuel tank (TM 9-2320-280-10) and check for fuel leaks.

3-26. AUXILIARY FUEL PICKUP AND RETURN LINES REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1097, M1097A1, M1097A2, M1123

Manual References

TM 9-2320-280-24P

Tools

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

Equipment Condition

Fuel tank removed (para. 3-24).

Materials/Parts

Sealing compound (Appendix C, Item 44)
Tiedown strap (Appendix G, Item 311)

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

Have drainage container ready to catch fuel.

1. Remove screw (5) and clamp (7), securing fuel return line (6) and fuel pickup line (4) to fuel line clamp (8).
2. Remove fuel pickup line (4) from supply tube (3) on fuel tank (1).
3. Remove fuel return line (6) from supply tube (2).

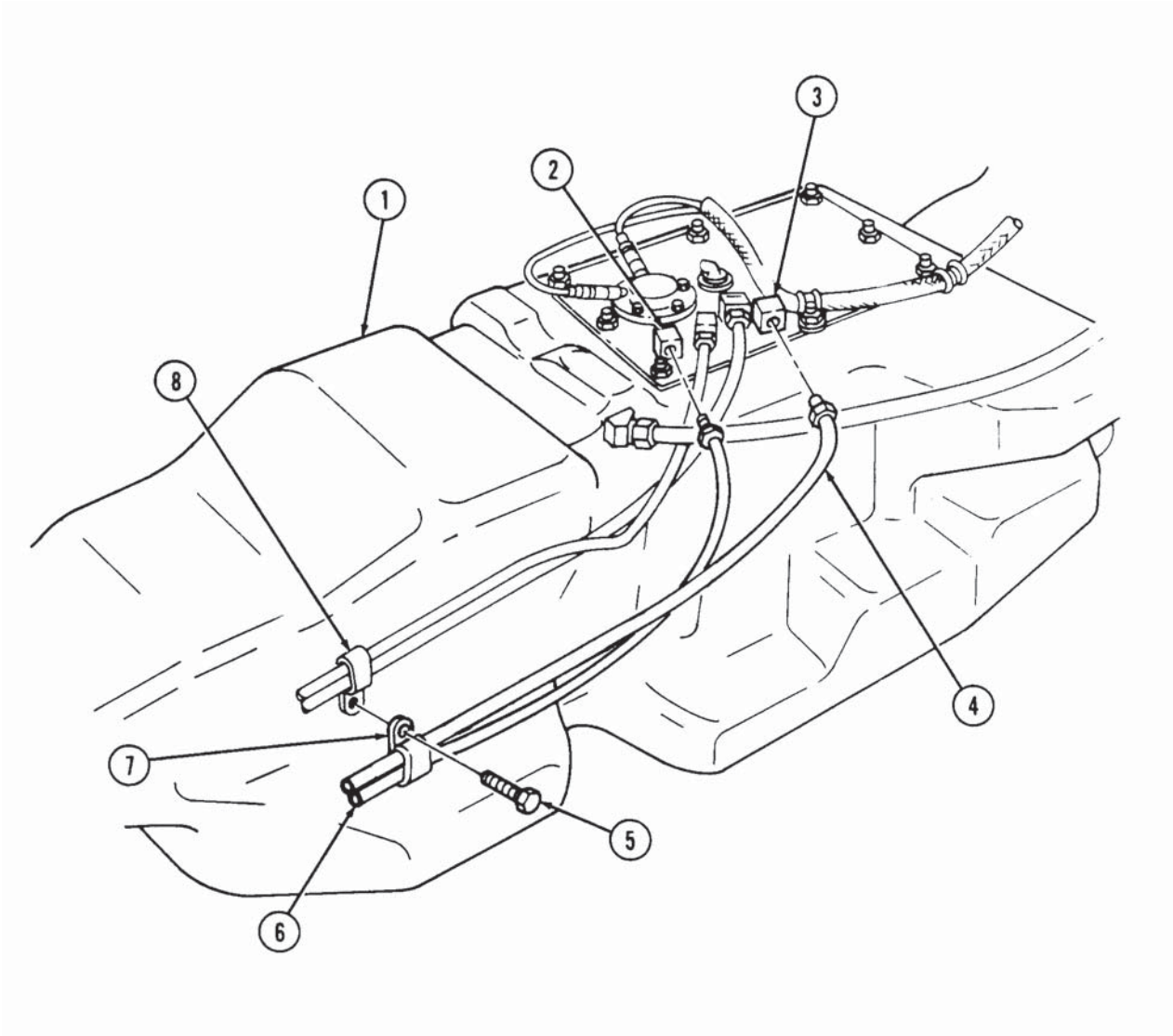
b. Installation

NOTE

Substitute tiedown strap for spring clamp when clamp is not available.

1. Apply sealing compound to threads of fuel return line (6) and fuel pickup line (4).
2. Install fuel return line (6) to supply tube (2) on fuel tank (1).
3. Install fuel pickup line (4) to supply tube (3).
4. Install clamp (7) on fuel return line (6) and fuel pickup line (4) and secure to fuel line clamp (8) with screw (5).

3-26. AUXILIARY FUEL PICKUP AND RETURN LINES REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install fuel tank (para. 3-24).