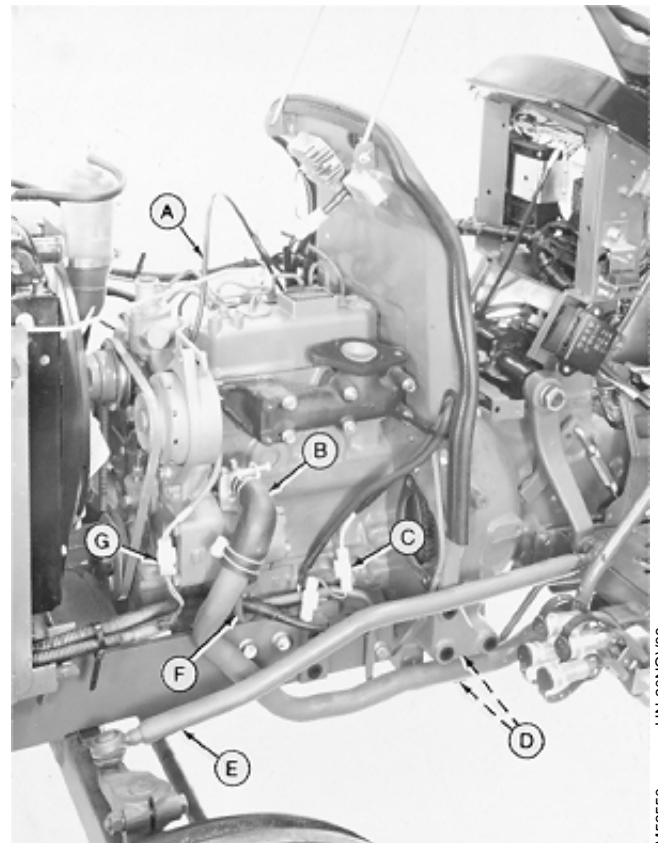
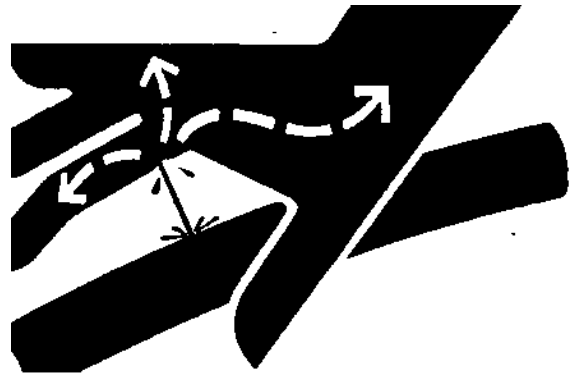


N **CAUTION:** Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury may call the Deere & Company Medical Department in Moline, Illinois, or other knowledgeable medical source.

8. Lower rockshaft arms.
9. Manual steering: Disconnect drag link (E).
10. Remove line clamp cap screws (D).
11. Disconnect hose (B) and flange (F). Close all openings with caps and plugs.
12. Power steering: Remove hydraulic lines. (See procedure in Section 60, Group 10.)
13. Disconnect wiring connectors (C and G).
14. Disconnect cable (A).

- A—Hour Meter Cable
- B—Pressure Line Hose
- C—Fusible Link Connector
- D—Cap Screws (2 used)
- E—Drag Link
- F—Supply Line Mounting Flange
- G—Alternator Wiring Connector



Left-Hand Side Shown

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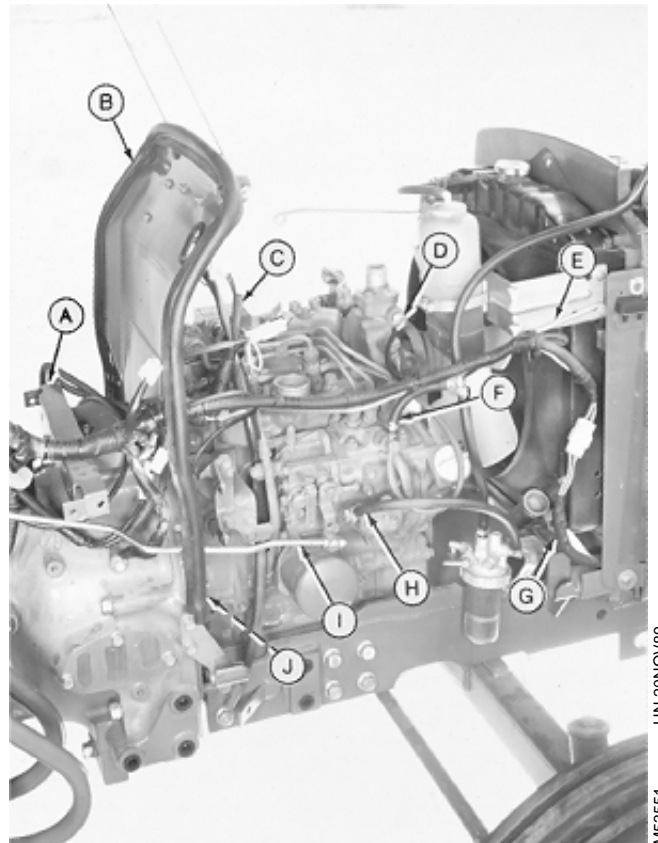
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15. Close shutoff valve on fuel filter.
16. Disconnect lines (F and H). Close all openings using caps and plugs.
17. Disconnect wiring harness (C and G).
18. Disconnect wiring leads (D and J).
19. Remove support rod (E).
20. Remove control rod (I).
21. Remove air shield (B).
22. Remove bracket (A).

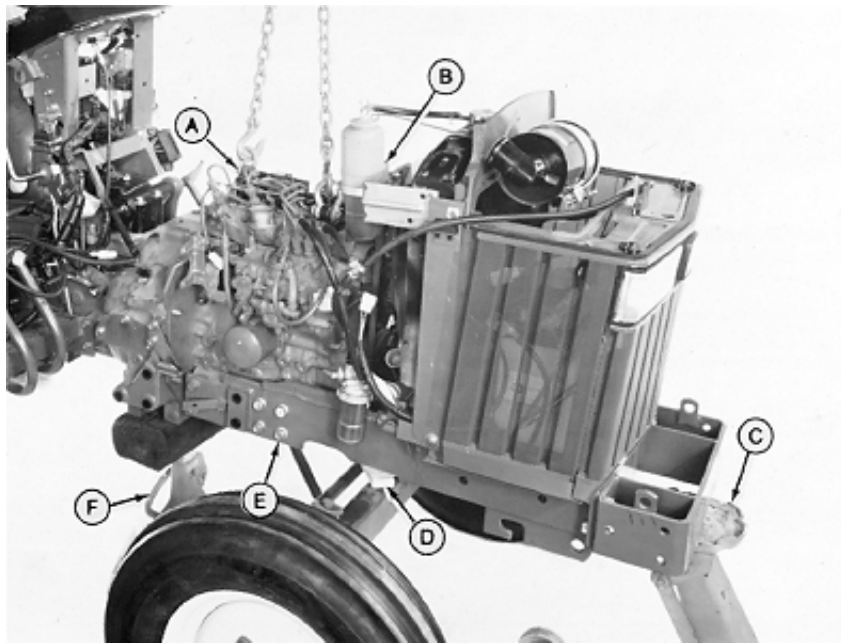
- A—Fuel Tank Support Bracket
- B—Air Shield
- C—Wiring Harness
- D—Coolant Temperature Switch Wiring Lead
- E—Radiator Support Rod
- F—Return Fuel Leak-Off Line
- G—Wiring Harness
- H—Fuel Pump Supply Line
- I—Throttle Control Rod
- J—Engine Oil Pressure Switch Wiring Lead



Right-Hand Side Shown

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A—Lifting Brackets (2 used)
B—Recovery Tank Assembly

C—Floor Jack
D—Wood Block (2 used)

E—Cap Screw (12 used)

F—Support Stand

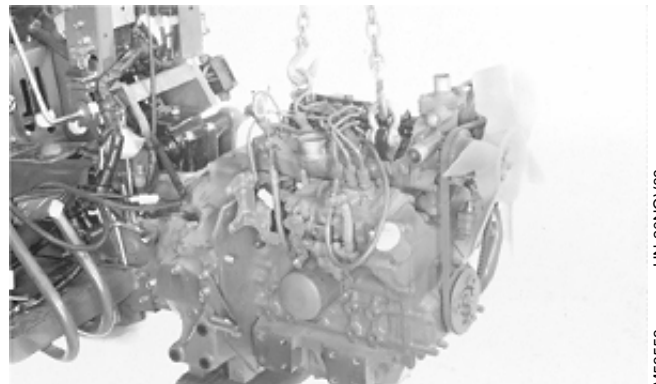
23. Remove recovery tank assembly (B).
24. Remove rocker arm cover.
25. Install lifting brackets such as JDG19 or JT01748 Lifting Brackets (A).
26. Attach a hoist to engine.
27. Install support stand (F) under clutch housing.

28. Install a floor jack (C) under front weight support.
29. Install a wood block (D) between front axle and frame on both sides.
30. Remove six cap screws (E) from each side of frame.
31. Roll front end away from tractor.

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NOTE: Put transmission in neutral to ease clutch shaft alignment with engine during installation.

32. Put transmission shift lever in neutral.
33. Remove eight cap screws and lock washers. Remove engine.
34. Make repairs as necessary. (See CTM-3.)



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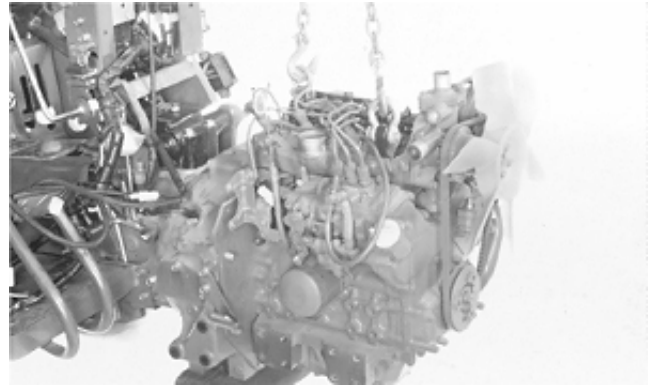
INSTALL ENGINE

1. Put transmission shift lever in neutral to ease clutch shaft alignment with engine.

2. Apply multipurpose grease to end of clutch shaft.

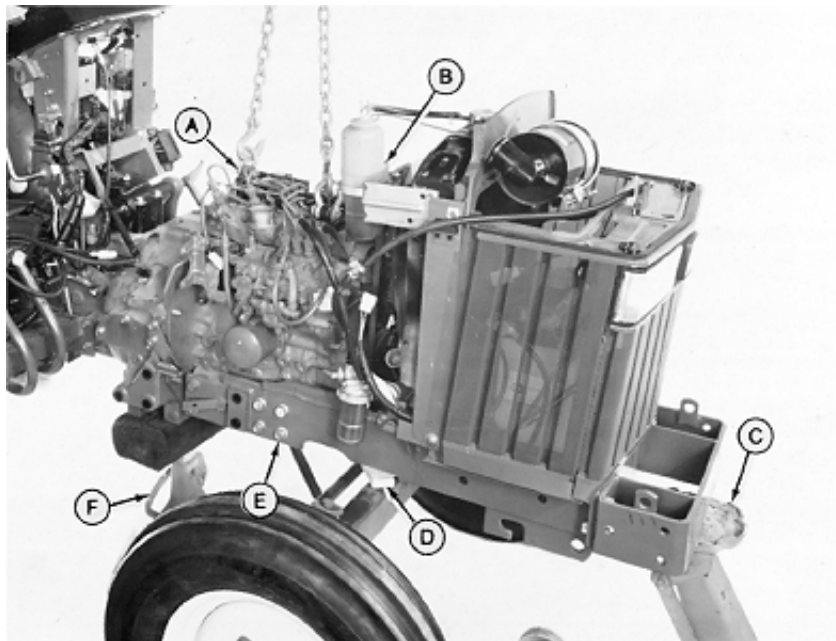
NOTE: Turn flywheel when installing engine, to engage engine with clutch shaft(s).

3. Install engine. Tighten cap screws to 54 N·m (40 lb-ft).



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A—Lifting Brackets (2 used)
B—Recovery Tank Assembly

C—Floor Jack
D—Wood Block (2 used)

E—Cap Screw (12 used)

F—Support Stand

4. Apply thread lock and sealer (medium strength) to threads of cap screws (E).

5. Install front end to tractor. Tighten cap screws (E) to 90 N·m (65 lb-ft).

6. Remove wood blocks (D), floor jack (C) and support stand (F).

7. Remove lifting brackets (A).

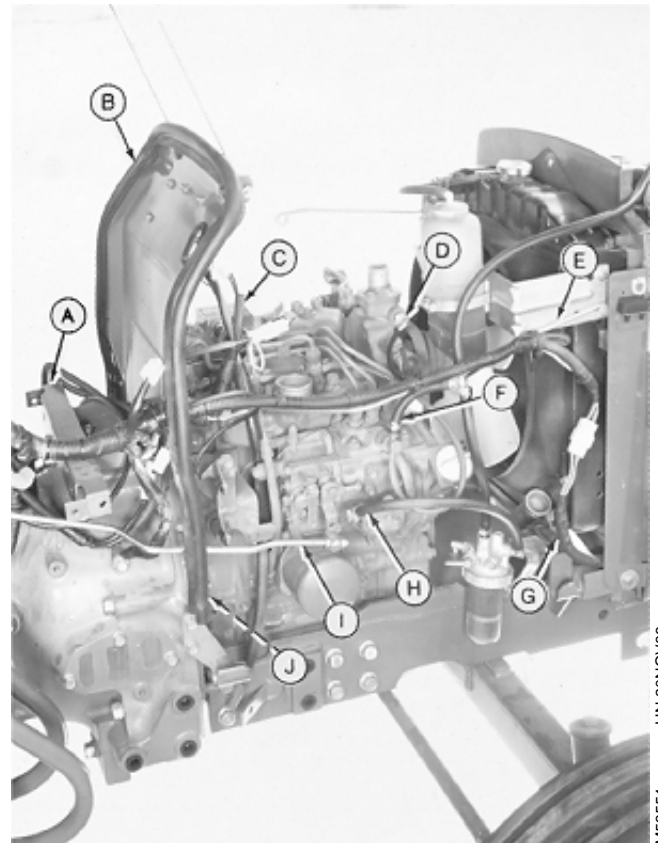
8. Install rocker arm cover.

9. Install recovery tank assembly (B).

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10. Install bracket (A).
11. Install air shield (B).
12. Install control rod (I).
13. Install support rod (E).
14. Connect wiring leads (D and J).
15. Connect wiring harness (C and G).
16. Connect lines (F and H).
17. Open shutoff valve on fuel filter.

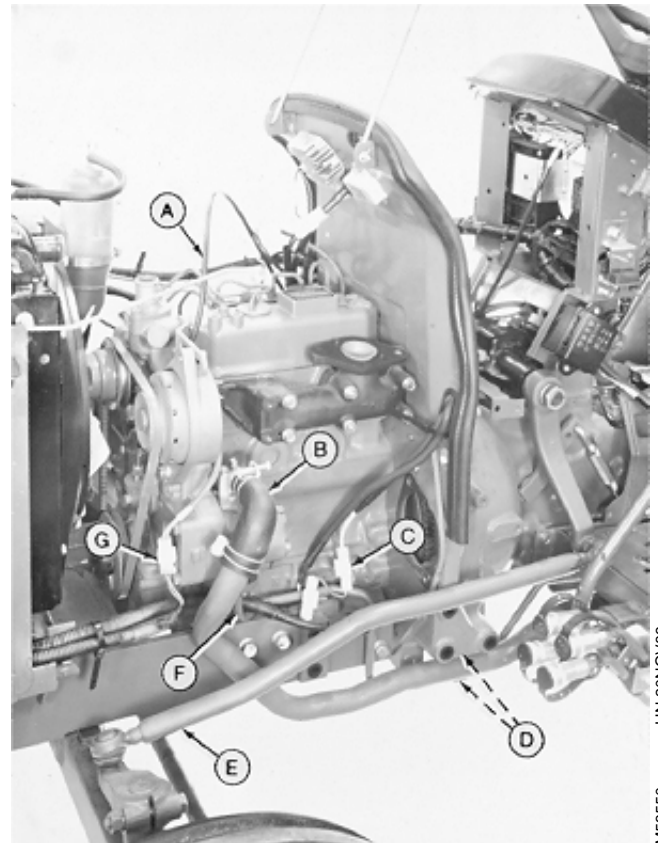
- A—Fuel Tank Support Bracket
- B—Air Shield
- C—Wiring Harness
- D—Coolant Temperature Switch Wiring Lead
- E—Radiator Support Rod
- F—Return Fuel Leak-Off Line
- G—Wiring Harness
- H—Fuel Pump Supply Line
- I—Throttle Control Rod
- J—Engine Oil Pressure Switch Wiring Lead



Right-Hand Side Shown

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18. Connect cable (A).
19. Connect wiring connectors (C and G).
20. Power steering: Install hydraulic lines. (See procedure in Section 60, Group 10.)
21. Connect flange (F) and hose (B).
22. Install line clamp cap screws (D).
23. Manual steering: Connect drag link (E).
24. Install muffler and new gasket.
25. Install radiator and air cleaner hoses.
26. MFWD: Install drive shaft. (See procedure in Section 50, Group 30.)
27. Install starter. (See procedure in Section 40, Group 10.)
28. Install fuel shut-off solenoid. (See procedure in Group 20.)
29. Install fuel tank. (See procedure in Group 20.)
30. Fill radiator with proper coolant to top of filler neck. (See Engine Coolant in Section 10, Group 20.)
31. Adjust throttle control linkage. (See Section 220, Group 15.)



Left-Hand Side Shown

- A—Hour Meter Cable
- B—Pressure Line Hose
- C—Fusible Link Connector
- D—Cap Screws (2 used)
- E—Drag Link
- F—Supply Line Mounting Flange
- G—Alternator Wiring Connector

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