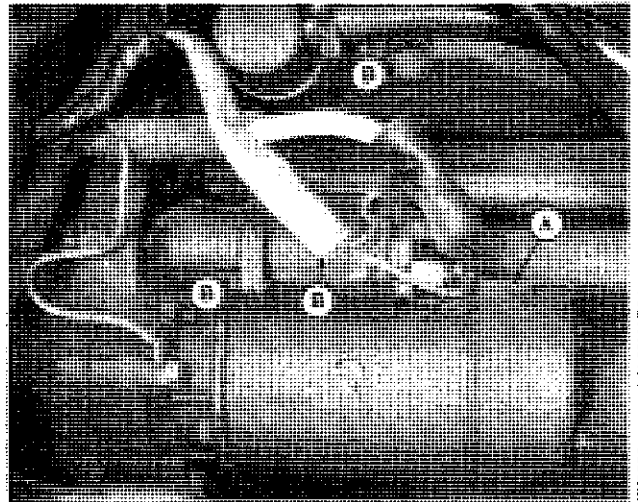


11. Attach driveshaft for front wheel drive if equipped.
(See Section 55, **Install Driveshaft**)

TM1563,1505,T -19-03MAR94

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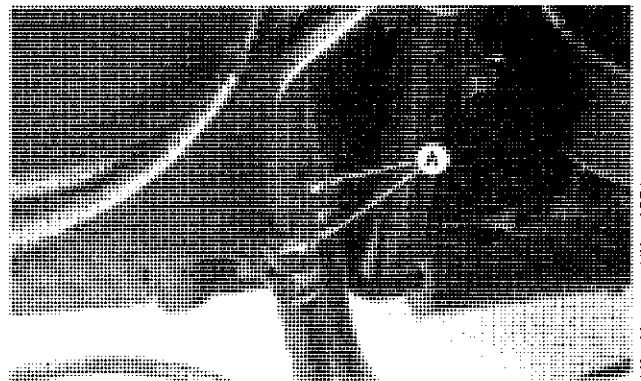
12. Install starter (A) and connect harness (B).



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TM1563,1505,U -19-11MAY94

13. Connect hydraulic hoses (A) from steering cylinder to steel line connections, if tractor is equipped with power steering.

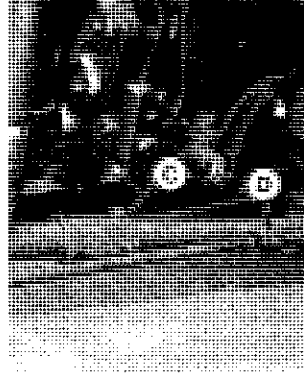


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TM1563,HX05,A -19-11MAY94

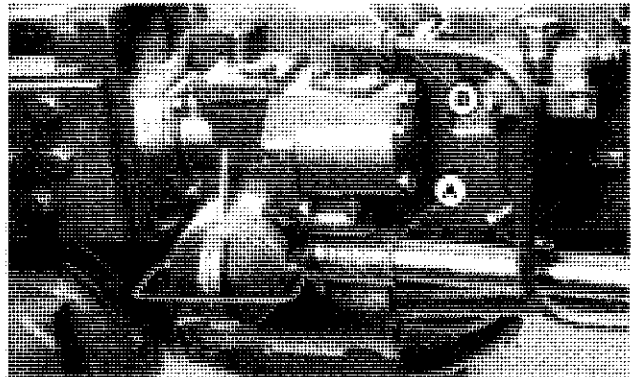
Separating Engine From Transmission/Connecting Engine to Transmission

14. Connect hydraulic pump pressure line at (D) and (B).



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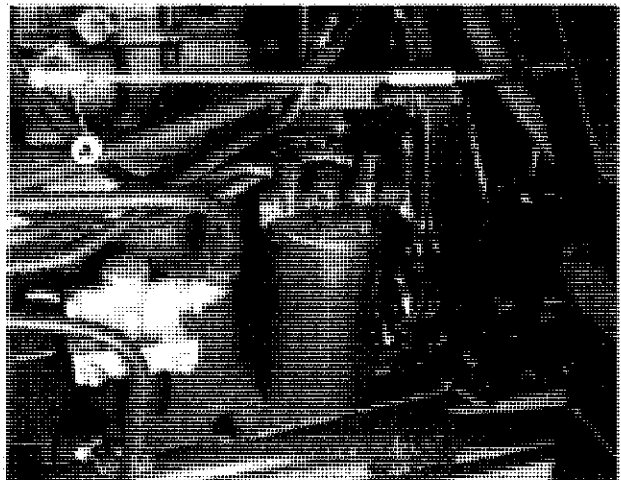
15. Connect hydraulic pump suction line at (C) and (A).



ZT0594
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TM1563,1505,W -19-11MAY94

16. Install throttle rod (A) to injection pump.



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TM1563,1505,X -19-11MAY94

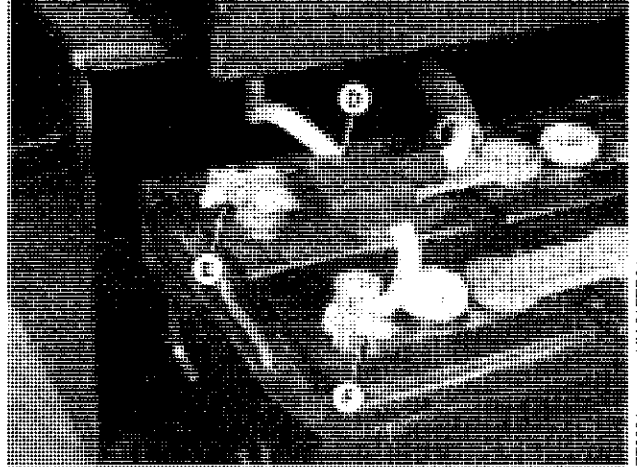
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Separating Engine From Transmission/Connecting Engine to Transmission

17. Connect positive (+) battery cable (E) and then connect negative (-) battery cable (F) to battery and install cover (D) over positive terminal.

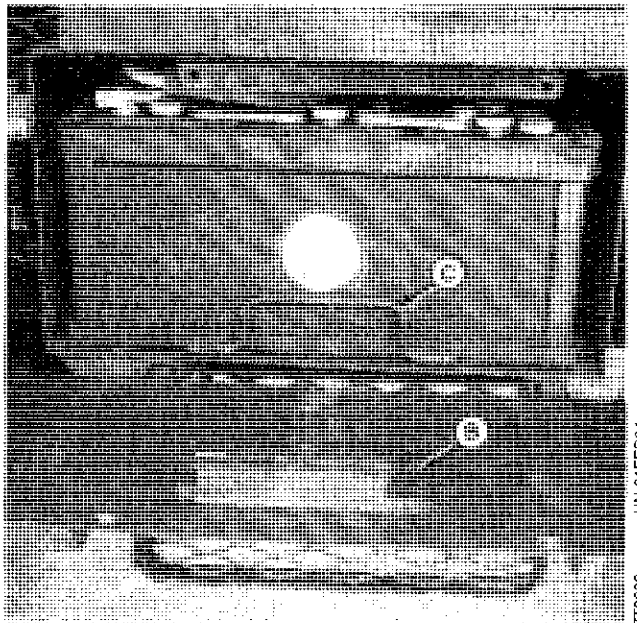
18. Push battery (C) in compartment.

19. Install bolts (A) to battery access cover.

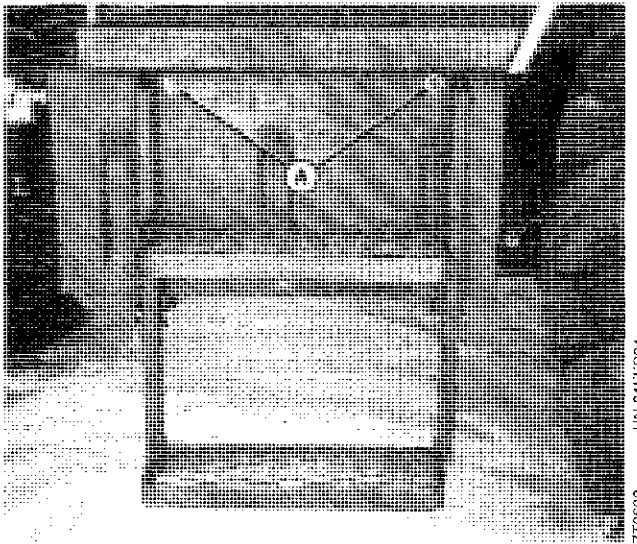


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ZT0603
-UN-01FEB94



ZT0602
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TM1563,1505.Y -19-11MAY94

Separating Engine From Transmission/Connecting Engine to Transmission

20. Refill transmission with hydraulic oil. (See Specifications at beginning of this section for proper quantity of oil.)

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TM1563,1505,Z -19-11MAY94

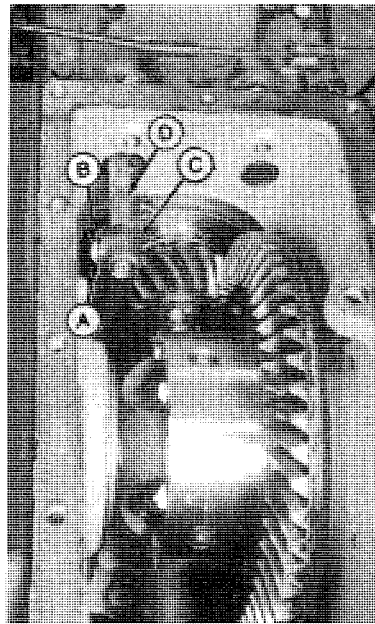
REMOVE TRANSMISSION

1. Remove operator station. (See Section 90 Group 20 **Remove Operator Station**.)
2. Separate engine from transmission (See Group 05 **Separating Engine From Transmission** in this section.)
3. Remove hydraulic cover. (See Section 70 Group 10 **Remove Hydraulic Cover**.)

TM1563,1510,A -19-11MAY94

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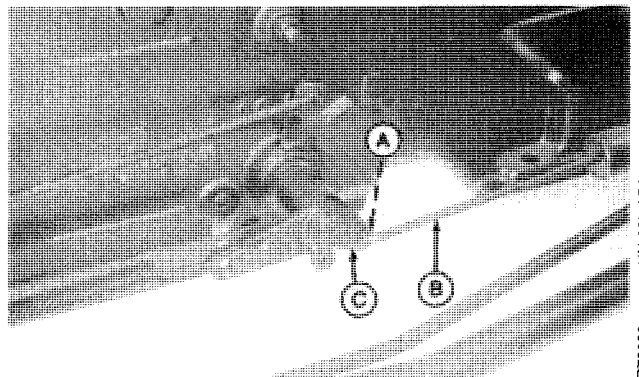
4. Bend up tab on lock washer (A).
5. Remove cap screw (B) from shift fork (C).
6. Remove shift fork (C) from shift rail (D).



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TM1563,1510,B -19-11MAY94

7. Remove snap ring (A) from park brake rod (B) and remove from lever (C).



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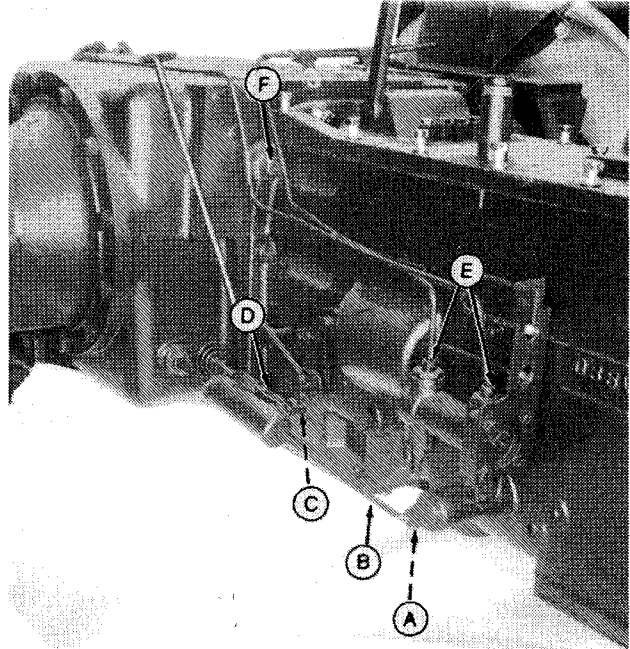
TM1563,1510,C -19-11MAY94

Transmission/Remove Transmission

8. Remove cotter pin (A) from park brake rod (B) and remove rod from lever.
9. Remove cotter pin (C) from differential lock rod (D). Remove rod from lever.
10. Remove brake lines (E) from proportional valve.
11. Attach hoist or other suitable lifting device to transmission.

CAUTION: Approximate weight of transmission is 455 Kg (1000 lbs.)

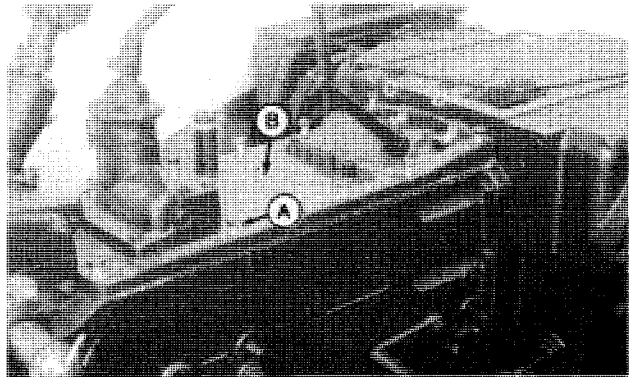
12. Remove twelve cap screws (F) from transmission to rear differential gearcase.



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-UN-23MAR94

TM1563,1510,D -19-11MAY94

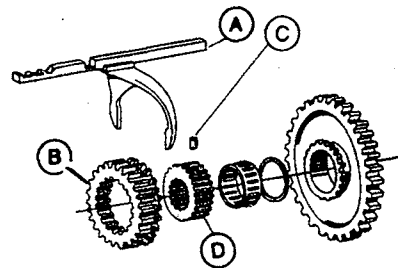
13. (Front-Wheel Drive Models Only) Remove twelve bolts (A) and remove transmission cover (B).



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-UN-23MAR94

TM1563,1510,I -19-11MAY94

14. (Front-Wheel Drive Models Only) Remove reduction gear shift fork (A). (Right-hand shift rail with fork)
15. (Front-Wheel Drive Models Only) Slide shift coupling gear (B) forward to access lock pins (C) in drive gear (D).
16. (Front-Wheel Drive Models Only) Remove lock pins (C) with M5 bolts.
17. Remove transmission front gearcase.



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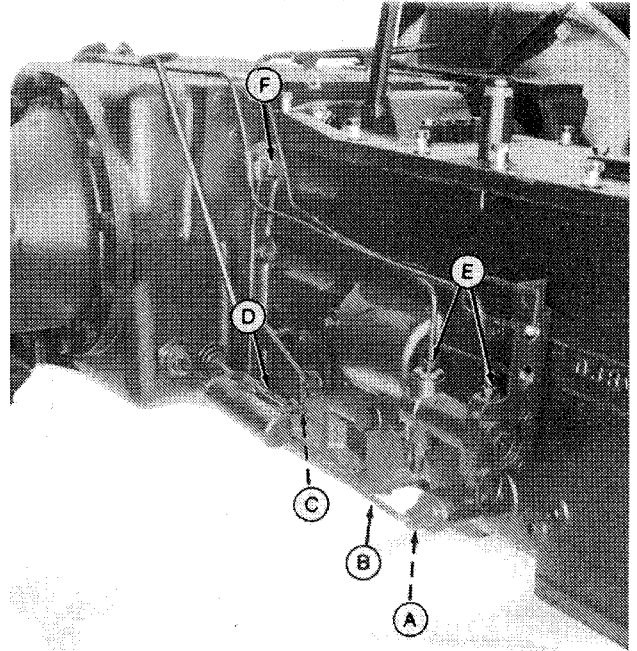
TM1563,1510,J -19-11MAY94

INSTALL TRANSMISSION

1. Install transmission to gearcase.
2. Install twelve M14 cap screws (F) through transmission into rear differential gearcase. Top two bolts and top right bolt through brake line clips.

NOTE: Apply TY3512 thread lock and sealer to threads.

3. Torque bolts (F) to 120 N·m (88 lb-ft.)
4. Connect differential lock rod (D) to lever with cotter pin (C).
5. Connect park brake rod (B) to lever with cotter pin (A).
6. Connect brake lines (E) to proportional valve.

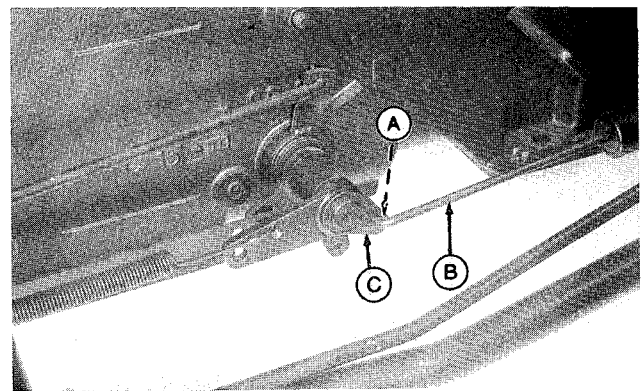


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TM1563,1510,E -19-11MAY94

7. Connect park brake rod (B) to lever (C).
8. Install cotter pin (A) on rod (B).

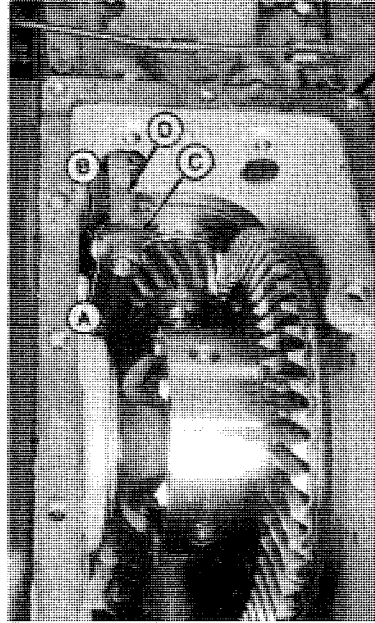


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TM1563,1510,F -19-11MAY94

Transmission/Remove Transmission

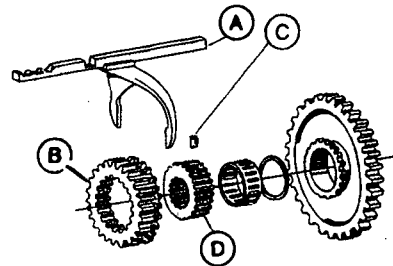
9. Install shift fork (C) to shift rail (D).
10. Install cap screw (B) with tab washer (A) in shift fork (C).
11. Bend down tab washer (A).
12. Remove splitting stands from front and rear of tractor.



-JUN-23MAR94
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TM1563,1510,G -19-11MAY94

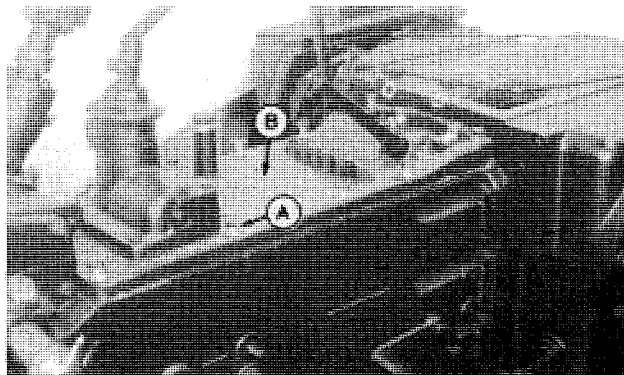
13. (Front-Wheel Drive Models Only) Install lock pins (C) with M5 bolts.
14. (Front-Wheel Drive Models Only) Slide shift coupling gear (B) rearward to access lock pins (C) in drive gear (D).
15. (Front-Wheel Drive Models Only) Install reduction gear shift fork (A) (Right-hand shift rail).



-JUN-23MAR94
ZT0914

TM1563,1510,L -19-11MAY94

16. (Front-Wheel Drive Models Only) Install transmission cover (B) and install twelve bolts (A).



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ZT0913

TM1563,1510,K -19-11MAY94



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