

Section 40

ELECTRICAL SYSTEM — REPAIR

Contents

	Page		Page
Group 05—Battery, Starting Motor and Alternator		Instrument panel/transmission wiring harness	
Starting motor repair	40-05-1	Replacement	40-15-2
Battery			
Starting motor			
Alternator/regulator			
Alternator repair	40-05-3		
 Group 10—Switches and Sending Units			
Air filter restriction switch			
Replacement	40-10-1		
Coolant temperature sender			
Replacement	40-10-1		
Engine speed sensor			
Replacement	40-10-1		
Fuel shut-off solenoid			
Replacement	40-10-2		
Engine oil pressure switch			
Replacement	40-10-2		
Manifold heater			
Key switch			
Replacement	40-10-3		
Light switch			
Replacement	40-10-4		
Hazard warning light switch			
Replacement	40-10-5		
Turn signal controller			
Replacement	40-10-5		
Instrument panel			
Replacement	40-10-6		
Rear PTO switch			
Replacement	40-10-8		
ral start switch			
Replacement	40-10-8		
Parking brake switch			
Replacement	40-10-8		
Brake pedal switches			
Replacement	40-10-9		
Fuel level sender			
Replacement	40-10-9		
 Group 15—Wiring Harnesses			
Engine wiring harness			
Replacement	40-15-1		

STARTING MOTOR REPAIR

For complete starting motor repair information refer to relevant Component Technical Manual (CTM) in conjunction with this manual.



AT.5STM.HJH0263-19-01MAR98

TS225
-UN-17JAN89

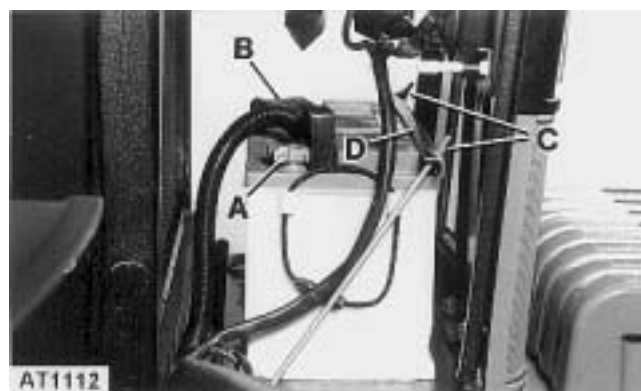
REMOVE AND INSTALL BATTERY

CAUTION: Keep all sparks and flames away from batteries, as gas given off by electrolyte is explosive. To avoid sparks, connect ground cable last and disconnect it first.

To avoid shocks and burns, disconnect battery ground cable before servicing any part of electrical system.



1. Remove side grille panels.
2. Disconnect negative cable (B) first, then the positive one (A).
3. Loosen nuts (C) and rotate hold-down bracket (D) away from battery.
4. Remove battery. Clean and service as necessary.
5. Install battery.
6. Install hold-down bracket and tighten nuts.
7. Connect positive cable (B), then negative one (A).
8. Apply petroleum jelly on battery terminals.
9. Install grille panels.



AT1112

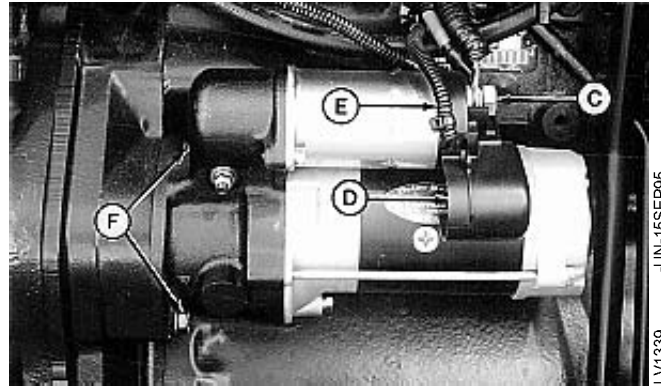
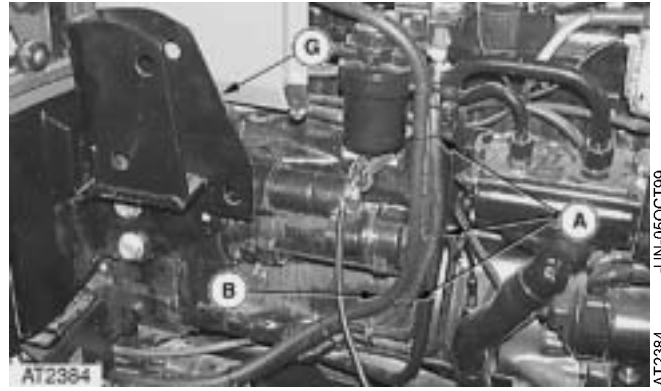
AT.5NTM.ESPD026-19-01JUN99

TS204
-UN-23AUG88

AT1112
-UN-28NOV96

REMOVE AND INSTALL STARTING MOTOR

1. Disconnect battery negative (-) cable.
2. Remove right-hand engine side shield.
3. If tractor is equipped with air conditioning system, cut tie straps (A) as necessary and move air conditioning lines (B) away from starting motor.
4. If tractor is equipped with ROPS, remove bracket (G).
5. Disconnect three cables at stud (C).
6. Remove cover (D).
7. Disconnect wiring lead at stud (E).
8. Remove cap screws and lock washers (F).
9. Remove starting motor.
10. Make repairs as necessary (see Component Technical Manual).
11. Install starting motor using cap screws and lock washers (F).
12. Connect wiring lead to stud (E) and cables at stud (C).
13. Install cover (D).
14. Connect battery negative (-) cable.
15. Install right-hand engine side shield.



- A—Tie Straps
- B—Air Conditioning Lines
- C—Starter Solenoid “B” Stud
- D—Cover
- E—Starter Solenoid “S” Stud
- F—Cap Screw and Lock Washer
- G—ROPS bracket

AT.5NTM,ESPD027-19-01JUN99



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading

ALTERNATOR/REGULATOR REPAIR

For complete alternator/regulator repair information refer to relevant Component Technical Manual (CTM) in conjunction with this manual.

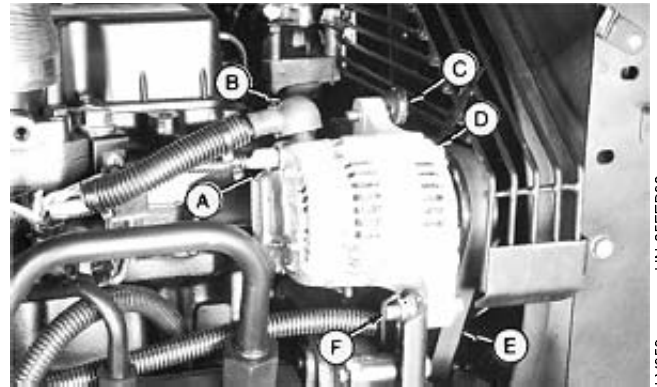


AT.5STM.HJH0264-19-01MAR98

TS225
-JUN-17JAN89

REPLACE ALTERNATOR/REGULATOR

1. Remove right-hand engine shield.
2. Disconnect negative (-) cable at battery.
3. Disconnect wiring connector (A) and cable (B).
4. Loosen cap screws (C) and (F).
5. Move alternator/regulator (D) towards engine. Lift belt (E) off pulley.
6. Remove adjustment and pivot cap screws.
7. Replace alternator/regulator.
8. Install cap screws.
9. Adjust belt tension (see procedure in Operator's Manual).
10. Connect wiring connector and cable.
11. Connect negative (-) cable at battery.
12. Install right-hand engine shield.



- A—Wiring Connector
- B—Cable
- C—Adjusting Screw
- D—Alternator/Regulator
- E—Belt
- F—Pivot Cap Screw

AT.5NTM.ESPD028-19-01JUN99

LV368
-JUN-25FEB92