

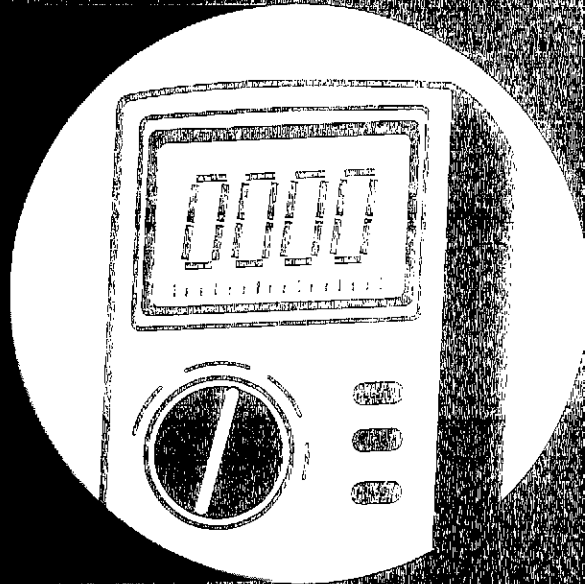
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Operator's Manual



# TECHNICAL MANUAL





# 2155, 2355N, 2355, 2555, 2755, 2855N, 2955 AND 3155 TRACTORS TECHNICAL MANUAL TM4436 (MAY-90)

## SECTION CONTENTS IN GROUPS – OPERATION AND TESTS

### 210 – Safety

### 220 – Engine

- 05 – Radiator and viscous fan drive
- 10 – Tests

### 230 – Fuel and Air Intake System

- 05 – Fuel tank, auxiliary fuel tank and water trap
- 10 – Cold weather starting aids
- 15 – Speed control linkage
- 20 – Air cleaner

### 240 – Electrical System

- 05 – General
- 10 – Electrical diagrams (without SGB or ROPS)
- 15 – Circuit diagnosis (without SGB or ROPS)
- 16 – Electrical diagrams (GP tractors without SGB, from Serial No. 618 700L)
- 17 – Circuit diagnosis (GP tractors without SGB, from Serial No. 618 700L)
- 20 – Electrical diagrams (with SGB or ROPS)
- 25 – Circuit diagnosis (with SGB or ROPS)
- 30 – Testing components
- 35 – Starting motor
- 40 – Alternator

### 250 – Power Train

- 05 – Clutch operating linkages
- 10 – Engine single-stage clutch (without reverser)
- 15 – Engine single-stage clutch (with reverser)
- 20 – Engine dual-stage clutch
- 25 – Hi-Lo shift unit
- 30 – Reverser
- 35 – Creeper transmission
- 40 – Transmission shift linkages
- 45 – Synchronized transmission and transmission oil pump
- 50 – Coliar shift transmission and transmission oil pumps
- 55 – Differential
- 60 – Final drives
- 65 – Independent PTO
- 70 – Continuous-running PTO
- 75 – Front PTO
- 80 – Front wheel drive u.j. drive shaft and disk clutch

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## SECTION CONTENTS IN GROUPS – OPERATION AND TESTS (CONTD.)

### - Steering System and Brakes



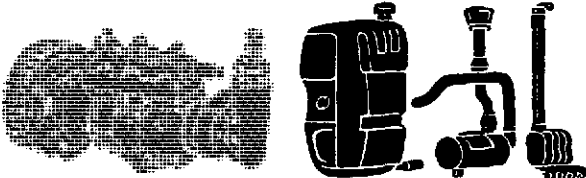
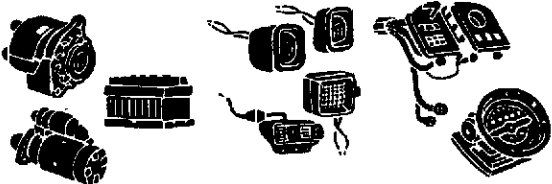

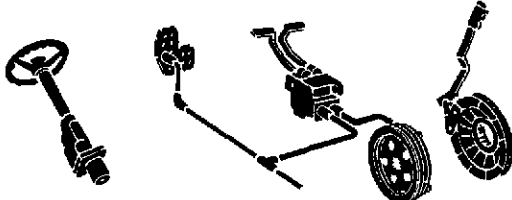
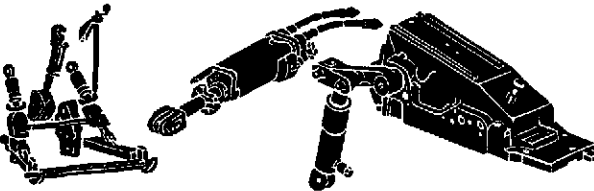

Hydrostatic steering  
Power steering  
Hydraulic brakes  
Handbrake

### - Hydraulic System

Operation and tests  
Valves, filters, oil cooler and oil reservoir  
Hydraulic pumps  
Rockshaft  
Selective control valves (spool type)  
Selective control valves (poppet valve type)  
ISO breakaway couplers  
ISO quick couplers  
Remote cylinder

### 290 – Operator's Station

05 – Air conditioning system  
10 – Cab ventilation and heating system

<b>SAFETY</b>		<b>210</b>
<b>ENGINE</b>		<b>220</b>
<b>FUEL AND AIR INTAKE SYSTEM</b>		<b>230</b>
<b>ELECTRICAL SYSTEM</b>		<b>240</b>
<b>POWER TRAIN</b>		<b>250</b>
<b>STEERING SYSTEM AND BRAKES</b>		<b>260</b>
<b>HYDRAULIC SYSTEM</b>		<b>270</b>
<b>OPERATOR'S STATION</b>		<b>290</b>

**SAFETY AND YOU**

This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.



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**IMPORTANT**

The **IMPORTANT** message identifies potential problems which may cause consequential damage to machine. Following recommended procedure will instruct technician how to avoid problem.

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**NOTES**

The word **NOTE** is followed by a statement that identifies a qualification or exception to a previous statement. A "NOTE" may also identify nice-to-know information pertinent to, but not directly related to previous statement.

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