

6620, Sidehill 6620 7720 and 8820 Combines



TECHNICAL MANUAL

6620, Sidehill 6620 7720 and 8820 Combines

TM1202 (01JAN88) English

John Deere Harvester Works TM1202 (01JAN88)

ENGLISH



6620, SIDEHILL 6620, 7720 AND 8820 COMBINES TECHNICAL MANUAL

TM-1202 (Jan-88)

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in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

intended for service only. They do not include normal factory manufacturing tolerances.

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AND TESTS

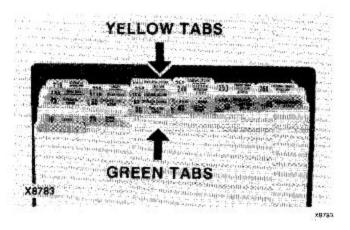
TECHNICAL MANUAL TABS

INTRODUCTION

To fully utilize this technical manual, you must understand how it is organized.

Only two tab colors are used—green and yellow. Each color represents a different type of information.

Spend a minute reading this now and save many minutes of searching later.



GREEN TAB SECTIONS

The green tab sections are repair sections that tell how to repair the components of the various systems.

Repair of a component includes:

Removal from machine (when necessary)

Disassembly

Inspection

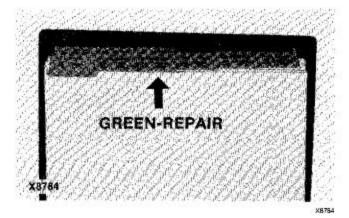
Replacement of parts

Assembly

Adjustment

Installation on machine (when necessary)

The numbers used for the repair (green tab) sections are part of an overall service publication numbering system. The numbers identify the same sections in the parts catalog, flat rate manual, service information bulletins, and service training courses.



YELLOW TAB SECTIONS

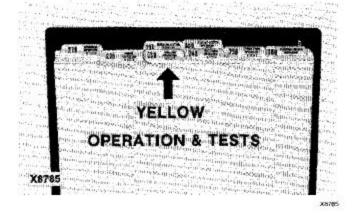
Each yellow tab section contains information on:

System Operation

System Tests

System operation explains how the system and its components work.

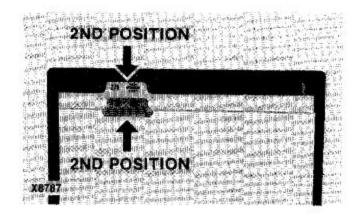
System tests tell how to test the system and diagnose the problem.



TAB POSITIONS

Each green tab and its corresponding yellow tab have the same tab position. This is to help you quickly locate the related information.

COLOR	POSITION	SEC. NO.	DESCRIPTION
Green	2nd	20	Engine Repair
Yellow	2nd	220	Engine Operation and Tests

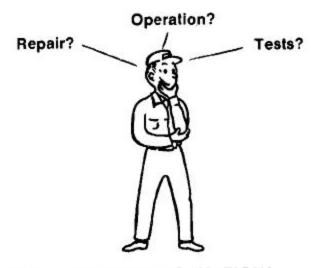


HOW TO USE

Use the following three-step procedure to locate the desired information.

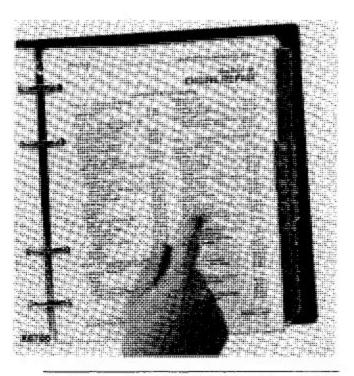
- Determine the type of information you need. Is it repair, operation, or tests?
- 2. Go to the appropriate section tab:

Green for Repair Yellow for Operation or Tests



X8788 TYPE OF INFORMATION?

Use the table of contents on the first page of the section to locate the information.



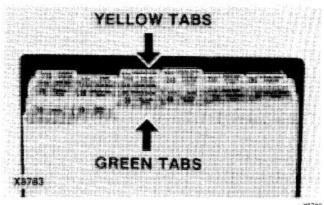
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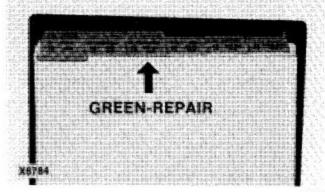
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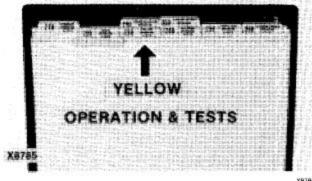
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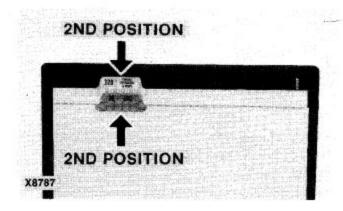
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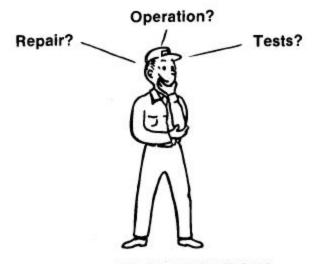


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X8788 TYPE OF INFORMATION?

Use the table of contents on the first page of the section to locate the information.



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Care and Maintenance of Belts and Chains 1	

Group 00 GENERAL SPECIFICATIONS

SERIAL NUMBERS

Serial Number Unit	Location	Serial Number Unit Location
Separator(-1982) Rear left hand upri (1983-) Near right hand sid box	•	Cutting Platform and Pickup Platform Left-hand side of main frame
		Corn Head Lower right-hand side on
Engine Front side of engine block jacket directly above		bulk-head frame
· · · · · · · · · · · · · · · · · · ·		Row-Crop Head Left-hand side end
Sundstrand Hydrostatic Unit Under pum	p section	sheet of main frame
Eaton Hydrostatic Unit Side of motor	r section	
Cam Lobe 4-Wheel Drive Motor Top	of motor	
Planetary 4-Wheel Drive Motor	None	

GROUND SPEED IN MPH (km/h) 6620 COMBINE (Posi-Torq Drive) 10 TO 82 AND 11 TO 90 RATIO FINAL DRIVES

	Tire						
Size	Type	Ply	1st Gear	2nd Gear	3rd Gear	4th Gear	Reverse Gear
23.1-26	Cleat	8, 10	.7 to 1.7	1.6 to 3.9	2.9 to 7.2	6.6 to 16.5	1.3 to 3.2
			(1.1 to 2.7)	(2.6 to 6.3)	(4.7 to 11.6)	(10.6 to 26.6)	(2.1 to 5.2)
23.1-26	Low Profile	8	.7 to 1.7	1.5 to 3.8	2.8 to 6.9	6.4 to 16.0	1.2 to 3.1
			(1.1 to 2.7)	(2.4 to 6.1)	(4.5 to 11.1)	(10.3 to 25.7)	(2.1 to 5.0)
23.1-26	Cane & Rice	8,10	.7 to 1.8	1.7 to 4.2	3.0 to 7.6	7.0 to 17.4	1.4 to 3.4
			(1.1 to 2.9)	(2.7 to 6.8)	(4.8 to 12.2)	(11.3 to 28.0)	(2.3 to 5.5)
28.1-26	Cleat	10	.7 to 1.8	1.6 to 4.0	2.9 to 7.3	6.7 to 16.9	1.3 to 3.3
			(1.1 to 2.9)	(2.6 to 6.4)	(4.8 to 11.8)	(10.8 to 27.2)	(2.1 to 5.3)
28.1-26	Cane & Rice	10	.7 to 1.8	1.7 to 4.2	3.0 to 7.6	7.0 to 17.4	1.4 to 3.4
			(1.1 to 2.9)	(2.7 to 6.8)	(4.8 to 12.2)	(11.3 to 28.0)	(2.3 to 5.5)

10 TO 95 AND 11 TO 104 RATIO FINAL DRIVES

Т.	ire or Tracks						
Size	Type	Ply	1st Gear	2nd Gear	3rd Gear	4th Gear	Reverse Gear
24.5-32	Cleat	10	.7 to 1.7	1.6 to 3.9	2.8 to 7.1	6.5 to 16.3	1.2 to 3.2
			(1.1 to 2.7)	(2.4 to 6.3)	(4.5 to 11.4)	(10.5 to 26.2)	(2.1 to 5.2)
24.5-32	Cane & Rice	10	.7 to 1.7	1.6 to 4.0	2.9 to 7.3	6.7 to 16.8	1.3 to 3.3
			(1.1 to 2.7)	(2.6 to 6.4)	(4.7 to 11.8)	(10.8 to 26.2)	(2.1 to 5.3)
Tracks			.3 to .8	.7 to 1.8	1.3 to 3.3	3.0 to 7.6	.6 to 1.5
			(.5 to 1.3)	(1.1 to 2.9)	(2.1 to 5.3)	(4.8 to 12.2)	(1.0 to 2.4)

GROUND SPEED IN MPH (km/h) 6620 COMBINE (Hydrostatic Drive) 10 TO 82 AND 11 TO 90 RATIO FINAL DRIVES

Tir	e					
			1st Gear	2nd Gear	3rd Gear	4th Gear
Size	Туре	Ply				
23.1-26	R1 Cleat	8, 10	0 to 1.7	0 to 3.8	0 to 6.9	0 to 16.0
			(0 to 2.7)	(0 to 6.2)	(0 to 11.3)	(0 to 26.2)
23.1-26	R3 Low Profile	8	0 to 1.6	0 to 3.7	0 to 6.7	0 to 15.4
			(0 to 2.6)	(0 to 6.0)	(0 to 10.9)	(0 to 25.1)
23.1-26	R2 Cane & Rice	8, 10	0 to 1.7	0 to 4.0	0 to 7.3	0 to 16.8
			(0 to 2.8)	(0 to 6.6)	(0 to 11.9)	(0 to 28.0)
28.1-26	R1 Cleat	10	0 to 1.7	0 to 3.9	0 to 7.1	0 to 16.3
			(0 to 2.8)	(0 to 6.3)	(0 to 11.6)	(0 to 26.7)
28.1-26	R2 Cane & Rice	10	0 to 1.7	0 to 4.0	0 to 7.3	0 to 16.8
			(0 to 2.8)	(0 to 6.6)	(0 to 11.9)	(0 to 27.4)

10 TO 95 AND 11 TO 104 RATIO FINAL DRIVES

Tire	e or Tracks		1st Gear	2nd Gear	3rd Gear	4th Gear
Size	Туре	Ply				
24.5-32	R1 Cleat	10	0 to 1.7	0 to 3.9	0 to 7.1	0 to 16.3
			(0 to 2.7)	(0 to 6.3)	(0 to 11.4)	(0 to 26.2)
24.5-32	R2 Cane & Rice	10	0 to 1.7	0 to 4.0	0 to 7.3	0 to 16.8
			(0 to 2.7)	(0 to 6.4)	(0 to 11.8)	(0 to 27.0)
Tracks			0 to .8	0 to 1.8	0 to 3.3	0 to 7.6
			(0 to 1.3)	(0 to 2.9)	(0 to 5.3)	(0 to 12.2)

GROUND SPEED CONTROL RANGE IN MPH (km/h) SIDEHILL 6620 COMBINE

		Tire	1st Gear	2nd Gear	3rd Gear	4th Gear
		Ply				
Size	Туре	Rating				
23.1-26	R1 Cleat	10	0 to 1.7	0 to 4.0	0 to 7.3	0 to 16.7
			(0 to 2.7)	(0 to 6.4)	(0 to 11.8)	(0 to 26.9)
23.1-26	R2 Cane & Rice	10	0 to 1.8	0 to 4.2	0 to 7.6	0 to 17.6
			(0 to 2.9)	(0 to 6.8)	(0 to 12.2)	(0 to 28.3)



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