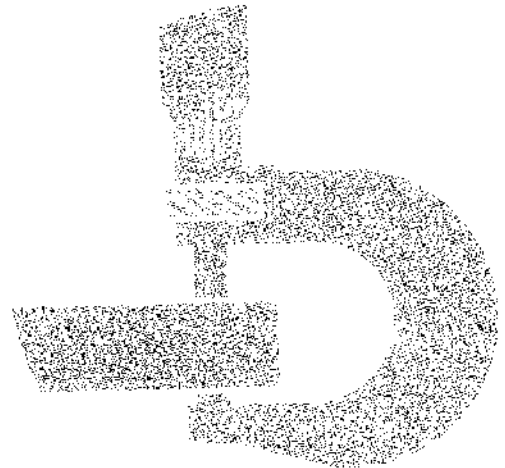


**JD743-A
Tree Harvester
JD743-A
Feller-Buncher**



TECHNICAL MANUAL

TM-1226
LITHO IN U.S.A.

SECTION AND GROUP CONTENTS OF THIS MANUAL

SECTION I - GENERAL INFORMATION

- Group I - Contents, Index and Page List
- Group II - Introduction and Safety Information
- Group III - General Specifications
- Group IV - Predelivery, Delivery and After-Sales Services
- Group V - Lubrication

SECTION 1 - WHEELS

- Group 0110 - Powered Wheels, Tires and Fastenings
- Group 0199 - Specifications and Special Tools

SECTION 2 - AXLES AND SUSPENSION SYSTEMS

- Group 0201 - Drive Axle Housing and Support
- Group 0210 - Differential or Bevel Drive
- Group 0225 - Input Drive Shaft and U-Joints
- Group 0243 - Axle Lock Mounting
- Group 0250 - Axle Shaft, Bearings, Reduction Gears
- Group 0260 - Hydraulic System
- Group 0299 - Specifications and Special Tools

SECTION 3 - TRANSMISSION

- Group 0315 - Controls
- Group 0325 - Input Drive Shafts and U-Joints
- Group 0341 - Housings and Covers
- Group 0342 - Mounting Parts
- Group 0350 - Gears, Shafts, Bearings and Power Shift Clutch
- Group 0360 - Hydraulic System
- Group 0370 - Clutch Disconnect and Controls
- Group 0399 - Specifications and Special Tools

SECTION 4 - ENGINE

- Group 0400 - Engine Removal and Installation
- Group 0401 - Crankshaft and Main Bearings
- Group 0402 - Camshaft and Valve Actuating Means
- Group 0403 - Connecting Rods and Pistons
- Group 0404 - Cylinder Block
- Group 0407 - Oiling System
- Group 0408 - Ventilating System
- Group 0409 - Cylinder Head and Valves
- Group 0410 - Exhaust Manifold
- Group 0413 - Fuel Injection System
- Group 0414 - Intake Manifold
- Group 0416 - Turbocharger
- Group 0417 - Water Pump
- Group 0418 - Thermostats, Housings and Water Piping
- Group 0419 - Oil Cooler
- Group 0420 - Fuel Filter
- Group 0422 - Starting Motor and Fastenings
- Group 0429 - Fan Drive
- Group 0433 - Flywheel, Housing and Fastenings
- Group 0499 - Specifications and Special Tools

SECTION 5 - ENGINE AUXILIARY SYSTEMS

- Group 0505 - Cold Weather Starting Aids
- Group 0510 - Cooling Systems
- Group 0515 - Engine Speed Controls
- Group 0520 - Intake Systems
- Group 0503 - External Exhaust Systems
- Group 0540 - Mounting Frame
- Group 0560 - External Fuel Supply Systems
- Group 0599 - Specifications and Special Tools

The specifications and design information contained in this manual were correct at the time it was printed. It is John Deere's policy to continually improve and update our machines. Therefore, the specifications and design information are subject to change without notice. Wherever applicable, specifications and design information are in accordance with SAE and ICED standards.

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SECTION AND GROUP CONTENTS OF THIS MANUAL—Continued

SECTION 9 - STEERING SYSTEM

- Group 0930 - Emergency Steering
- Group 0960 - Hydraulic System
- Group 0999 - Specifications and Special Tools

SECTION 10 - SERVICE BRAKES

- Group 1011 - Active Elements
- Group 1015 - Controls Linkage
- Group 1060 - Hydraulic System
- Group 1099 - Specifications and Special Tools

SECTION 11 - PARKING-EMERGENCY BRAKES

- Group 1111 - Active Elements
- Group 1115 - Controls Linkage
- Group 1199 - Specifications and Special Tools

SECTION 16 - ELECTRICAL SYSTEM

- Group 1671 - Batteries, Support and Cables
- Group 1672 - Alternator, Regulator and Charging System Wiring
- Group 1673 - Lighting System
- Group 1674 - Wiring Harness and Switches
- Group 1675 - System Controls
- Group 1676 - Instruments and Indicators
- Group 1699 - Specifications and Special Tools

SECTION 17 - FRAMES, CHASSIS OR SUPPORTING STRUCTURE

- Group 1740 - Frame Installation
- Group 1746 - Frame Bottom Guards
- Group 1799 - Specifications and Special Tools

SECTION 18 - OPERATOR'S STATION

- Group 1810 - Operator Enclosure
- Group 1821 - Seat and Seat Belt
- Group 1830 - Heating and Air Conditioning
- Group 1899 - Specifications and Special Tools

SECTION 19 - SHEET METAL AND STYLING

- Group 1910 - Hood or Engine Enclosure
- Group 1913 - Miscellaneous Shields
- Group 1921 - Grille and Grille Housing

SECTION 20 - SAFETY, CONVENIENCE AND MISCELLANEOUS

- Group 2001 - Radio
- Group 2002 - Mirror
- Group 2003 - Fire Extinguisher
- Group 2004 - Horn
- Group 2006 - Cigar Lighter
- Group 2099 - Specifications and Special Tools

SECTION 21 - MAIN HYDRAULIC SYSTEM

- Group 2160 - Hydraulic System
- Group 2199 - Specifications and Special Tools

SECTION 32 - BULLDOZERS

- Group 3201 - Blades
- Group 3215 - Controls Linkage
- Group 3260 - Hydraulic System
- Group 3299 - Specifications and Special Tools

SECTION 37 - ARCH OR BOOM, OR CRANES

- Group 3715 - Controls Linkage
- Group 3740 - Frames
- Group 3760 - Hydraulic System
- Group 3799 - Specifications and Special Tools

SECTION 38 - GRAPPLE

- Group 3803 - Grapple Mechanism
- Group 3813 - Shielding
- Group 3860 - Hydraulic System
- Group 3899 - Specifications and Special Tools

SECTION 39 - SHEAR

- Group 3901 - Blades and Cutting Elements
- Group 3903 - Tongue and Forks
- Group 3915 - Controls Linkage
- Group 3940 - Frame
- Group 3960 - Hydraulic System
- Group 3999 - Specifications and Special Tools

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SECTION AND GROUP CONTENTS OF THIS MANUAL—Continued

SECTION 41 - MISCELLANEOUS FUNCTION MECHANICAL DRIVE

- Group 4125 - Input Drive Shafts
- Group 4141 - Housings and Covers
- Group 4151 - Gears, Shafts and Bearings
- Group 4152 - Clutch
- Group 4160 - Hydraulic System
- Group 4199 - Specifications and Special Tools

SECTION 43 - SWING, ROTATION OR PIVOTING SYSTEM

- Group 4315 - Controls
- Group 4350 - Mechanical Drive Elements
- Group 4360 - Hydraulic System
- Group 4399 - Specifications and Special Tools

SECTION 44 - CUTTING MECHANISMS

- Group 4401 - Blades
- Group 4440 - Frames
- Group 4460 - Hydraulic System
- Group 4499 - Specifications and Special Tools

SECTION 90 - SYSTEM TESTING

- Group 9005 - General Information
- Group 9010 - Engine
- Group 9015 - Electrical System
- Group 9015A - Electrical System (Automatic Control)
- Group 9020 - Power Train
- Group 9025 - Hydraulic System (Flow Meter)
- Group 9030 - Miscellaneous Components
- Group 9031 - Heating and Air Conditioning
- Group 9035 - Specifications and Special Tools

ALPHABETICAL INDEX

A

Accumulator, brake	1060-4
Active elements, service brakes	1011-3
After sales inspection	I-IV-27
Air conditioning and heating system testing ..	9031-1
Air filters	1830-34
Alternator, regulator and charging system wiring	1672-1
Automatic control circuit schematic	9015A-46
Axle housing	0250-4
Axle lock mounting	0243-1
Axle shaft, bearings, reduction gears	0250-1
Axle stabilizer cylinder	0260-7
Axle stabilizer valve	0260-1, 9025-18
Axle stabilizer valve testing	9015-32

B

Batteries, support and cables	1671-3
Blade control valve, bulldozers	3260-1
Blades and cutting elements	3901-3
Blades, bulldozer	3201-3
Blades (delimber knives)	4401-3
Block diagram	9015-3, 9015A-6
Blower motor	1830-32
Brake accumulator	1060-4, 9025-10
Brake system lines	1060-8
Brake valve	9025-11

C

C1 - C2 accumulators	0360-12
Camshaft and valve actuating means	0402-1
Cigar lighter	2006-1
Circuit protectors	1674-1
Clutch housings, transmission	0350-11
Clutch, mechanical drive	4152-1
Clutch valve linkage	0315-3
Cold weather starting aids	0505-3
Compressor	1830-5
Compressor relief valve	1830-30
Condenser	1830-21
Connecting rods and pistons	0403-1
Controls linkage, arch or boom	3715-3
Controls linkage, bulldozer	3215-1
Controls, swing, rotation system	4315-3
Cooling system	0510-1
Crankshaft and main bearings	0401-1
Cylinder block	0404-1
Cylinder, bulldozer	3260-5
Cylinder, delimber knives and feed rolls ..	4460-18
Cylinder head and valves	0409-1
Cylinders, steering	0960-10

D

(Delimber carriage), frames	4440-1
Delimber knives and feed rolls cylinders ..	4460-18
Delimber knives and feed roll valve ..	4460-1, 9025-22
Delivery service	I-IV-27
Diagnosing malfunctions	9015A-11, 9025-45
Differential housing with lock	0210-4
Differential case and cover	0210-1
Differential drive shaft, front	0225-3
Differential drive shaft, rear	0225-1
Differential, front	0210-1
Differential lock valve	0210-32, 9025-16
Differential lock valve hydraulics	0210-34
Differential or bevel drive	0210-1
Differential, rear	0210-1
Drive axle housing and support	0201-3

E

Electrical schematic complete	9015-43
Emergency steering	0930-3
Emergency steering accumulator	0930-3
Emergency steering low pressure warning switch	0930-6, 9025-15
Engine coolant heater	0505-5
Engine oil cooler	0419-1
Engine oiling system	0407-1
Engine removal and installation	0400-3
Engine system testing	9010-1
Engine ventilating system	0408-1
Evaporator core	1830-26
Exhaust manifold	0410-1
Expansion valve	1830-28
External exhaust systems	0530-1
External fuel supply systems	0560-1

F

Fan	0510-1
Fan belt tightener	0429-1
Fan drive	0429-1
Fan drive support	0429-3
Fire extinguisher	2003-1
Fire stack valve	9025-26
Fire suppression system	9015-41
Flywheel, housing and fastenings	0433-1
Forks and tongue	3903-3
Frames - arch or boom	3740-1
Frames (delimber carriage)	4440-1
Front differential	0210-1
Front differential drive shaft	0225-3
Fuel filter	0420-1
Fuel injection nozzles	0413-9
Fuel injection pump	0413-5
Fuel injection system	0413-1

Fuel line	0560-6
Fuel supply pump	0560-1
Fuel tank	0560-4
Fuel transfer pump	0413-1
Frame bottom guards	1746-1
Frame installation	1740-3

G

Gears, shafts and bearings, mechanical drive	4151-1
General information	9015A-5
General specifications	I-III-1
Grapple hydraulic system	3860-1
Grapple mechanism	3803-3
Grapple shielding	3813-1
Grille and grille housing	1921-1

H

Harvesting control box wiring	9015A-45
Heater blowers	1830-4
Heater core	1830-2
Heater valve	1830-1
Heater pipes and hoses	1830-4
Heating and air conditioning system testing	9031-1
Hood or engine enclosure	1910-3
Horn	2004-1
Housing and covers	0341-1
Housing and covers, mechanical drive	4141-1
Hydraulic charge pump	2160-25
Hydraulic in-line filter	2160-47
Hydraulic manifold	2160-37
Hydraulic oil cooler and check valve	2160-45
Hydraulic oil filters	2160-39
Hydraulic pump	2160-6
Hydraulic pump destroke solenoid	9015-32
Hydraulic reservoir	2160-41
Hydraulic schematics	9025-105
Hydraulic service recommendations	2160-3
Hydraulic steering valve	0960-1
Hydraulic system	0260-1
Hydraulic system accumulator	2160-33
Hydraulic system, arch or boom	3760-1
Hydraulic system, cutting mechanism	4460-1
Hydraulic system, grapple	3860-1
Hydraulic system, mechanical drive	4160-1
Hydraulic system, steering	0960-1
Hydraulic system, swing and rotation system	4360-1
Hydraulic warm-up switch	9015-35

I

Indicator isolation diodes	1674-7
Input drive shafts and U-joints	0225-1, 0325-1
Input drive shafts, mechanical drive	4125-1
Instruments and indicators	1676-2
Instruments and indicators, testing	9015-25
Intake manifold	0414-1

Intake manifold pressure test	9010-19
Intake system	0520-1
Introduction	I-II-1

L

Lighting system	1673-1
Lighting system testing	9015-16
Log accumulator	9015-40
Log accumulator valve	9025-29
Lubrication	I-V-1

M

Main hydraulic pump	9025-3
Mechanical drive elements, swing, rotating	
▪ system	4350-1
Mirror	2002-1
Miscellaneous accessories	9015-28
Miscellaneous components system testing ..	9030-1
Miscellaneous shields	1913-1
Mounting frame	0540-1
Mounting parts	0342-1
Multi stem shear operation	9025-32
Multi-stem shear valve ..	3960-15, 9015-35, 9025-30

O

Operator enclosure	1810-3
Oscillating supports, differential	0210-20

P

Parking-emergency brakes active elements	1111-3
Parking-emergency brakes control linkage ..	1115-1
Planet pinion carrier	0250-4
Planetary pack	0350-27
Power shaft countershaft	0350-42
Power shift transmission assembly	0350-5
Power train system testing	9020-1
Precautions	9015A-10
Predelivery service	I-IV-1
Pressure control valve	2160-29, 9025-8
Pressure reducing valve ..	4460-14, 9015-40, 9025-27
Pump drive and support assembly	2160-33

R

Radiator and fan shroud	0510-2
Radio	2001-3
Rear differential	0210-1
Rear differential drive shaft	0225-1
Receiver-dryer	1830-24
Relays	1674-3, 1674-4

S

Seat	1821-1
Seat belt	1821-1
Service brake valve	1060-1
Service brakes active elements	1011-3
Service brakes controls linkage	1015-1

Shear and grapple control valve	3960-1
Shear cylinder	3960-19
Shear frame	3940-1
Shear grapple cylinder	3960-29
Shear/grapple valve	9015-35
Shear hydraulic system	3960-1
Shears controls linkage	3915-1
Shorted circuit test	9015A-10
Special procedures	9025-49
Special tools:	
Air conditioning system	1899-6
Alternator, regulator and charging system wiring	1699-7
Batteries, support and cables	1699-5
Camshaft and valve actuating means	0499-29
Clutch disconnect and controls, transmission	0399-26
Clutch, mechanical drive	4199-2
Connecting rods and pistons	0499-31
Cooling system	0599-4
Crankshaft and main bearings	0499-28
Cylinder block	0499-32
Cylinder head and valves	0499-34
Electrical system	9035-15
Electrical system (automatic control)	9035-19
Emergency steering accumulator	0999-6
Emergency steering valve	0999-7
Engine	9035-3
Fuel injection system	0499-36
Gears, shafts, bearings and power shift clutch transmission	0399-23
Grapple hydraulic system	3899-3
Housing and covers, transmission	0399-22
Hydraulic system	0299-13, 2199-11
Hydraulic system, arch or boom	3799-5
Hydraulic system, bulldozer	3299-3
Hydraulic system, cutting mechanisms	4499-2
Hydraulic system (flow meter)	9035-27
Operating enclosure	1899-4
Removal and installation, engine	0499-25
Service brakes hydraulic system	1099-3
Shear blades and cutting elements	3999-7
Shear hydraulic system	3999-8
Starting motor and fastenings	0499-40
Turbocharger	0499-38
Water pump	0499-39
Wheels and fastening	0199-2
Specifications:	
Air conditioning system	1899-2
Alternator, regulator and charging system wiring	1699-1
Axle lock mount	0299-10
Axle shafts, bearing, reduction gears	0299-10
Basic engine	9035-1
Batteries, support and cables	1699-1

Specifications (Continued):	
Blades, cutting mechanisms	4499-1
Camshaft and valve actuating means	0499-3
Clutch disconnect and controls, transmission	0399-20
Cold weather starting aids	0599-1
Connecting rods and pistons	0499-5
Cooling systems	0599-1
Crankshaft and main bearings	0499-2
Cylinder block	0499-8
Cylinder head and valves	0499-12
Differential or bevel drive	0299-2
Drive axle housing and support	0299-1
Electrical system	9035-5
Electrical system (automatic control)	9035-17
Emergency steering accumulator	0999-1
Emergency steering cylinder	0999-5
Emergency steering valve	0999-1
Engine break-in	0499-1
Engine oil cooler	0499-21
Engine oiling system	0499-10
External fuel supply system	0599-4
Fan drive	0499-24
Fire extinguisher	2099-1
Flywheel housing and fastenings	0499-24
Frame installation	1799-1
Frames, cutting mechanisms	4499-1
Fuel injection system	0499-15
Gears, shafts and bearings, mechanical drive	4199-3
Grapple hydraulic system	3899-1
Heating and air conditioning	9035-30
Housing and covers, mechanical drive	4199-2
Hydraulic system	0299-11
Hydraulic system, arch or boom	3799-1
Hydraulic system, bulldozers	3299-1
Hydraulic system, cutting mechanisms	4499-2
Hydraulic system (flow meter)	9035-22
Hydraulic system, mechanical drive	4199-11
Hydraulic system, swing and rotation system	4399-3
Hydraulic system, transmission	0399-3
Input drive shafts and U-joints	0299-9
Input drive shaft, mechanical drive	4199-1
Instruments and indicators	1699-4
Intake manifold	0499-17
Intake system	0599-3
Lighting system	1699-3
Miscellaneous components	9035-29
Mechanical drive elements, swing and rotation system	4399-1
Mounting frame	0599-4
Operator enclosure	1899-1

Specifications (Continued):

Parking brake active elements	1199-1
Parking-emergency brakes controls linkage	1199-1
Power train	9035-21
Service brakes hydraulic system	1099-1
Shears, blades and cutting elements	3999-1
Shear frames	3999-2
Shear hydraulic system	3999-4
Speed controls	0599-2
Starting motor and fastenings	0499-22
System controls	1699-4
Thermostats, housings and water piping	0499-20
Transmission gears, shafts, bearings and power shift clutch	0399-3
Transmission input drive shafts and U-joints	0399-1
Transmission mounting parts	0399-2
Turbocharger	0499-18
Water pump	0499-19
Wheels and fastenings	0199-1
Wiring harness and switches	1699-3
Speed controls	0515-1
Stabilizer cylinder, axle	0260-7
Stabilizer valve, axle	0260-1
Starting circuit	9015-11
Starting motor and fastenings	0422-1
Steering cylinders	0960-10
Steering system lines	0960-13
Steering valve	9025-12
Stroke control valve	2160-6
Stroke control valve assembly	9025-3
Surge relief valve	9025-8
Swing crossover relief valve	9025-25
Swing motor	9025-24
Switches	1674-4, 1674-6
System accumulator	9025-9
System controls	1675-1
System testing, engine	9010-1
System testing, heating and air conditioning	9031-1
System testing, miscellaneous components	9030-1
System testing, power train	9020-1

T

Test port locations	9025-39
Test procedures	9015A-12
Testing and adjustment	9025-54
Thermal fuse and superheat shut-off switch	1830-31
Thermostats, housings and water piping	0418-1
Thermostats temperature control switch	1830-29

Tongue and forks	3909-3
Transmission case	0350-15
Transmission clutch carrier assembly and elements	0370-1
Transmission clutch linkage	0370-7
Transmission clutch pack	0350-2
Transmission clutch valve	0360-8
Transmission clutch valve assembly	0360-4
Transmission control valve shift linkage	0315-5
Transmission hydraulic system	9025-35
Transmission oil cooler	0360-16
Transmission oil filter	0360-13
Transmission oil pressure regulating valve	0360-10
Transmission oil pump	0360-1
Transmission suction screen filter	0350-1
Turbocharger	0416-1

V

Valve, axle stabilizer	9025-18
Valve, brake	9025-11
Valve, delimeter knives and feed roll	4460-1
Valve, differential lock	9025-16
Valve, fire stack	9025-26
Valve, heater	1830-1
Valve, log accumulator	9025-29
Valve, multi stem shear	9025-30
Valve, pressure control	9025-8
Valve, pressure reducing	4460-14, 9015-40, 9025-27
Valve, service brake	1060-1
Valve, steering	0960-1, 9025-12
Valve, surge relief	9025-8
Valve, swing crossover relief	9025-25
Vibration damper	0401-8
Visual inspection	9015A-10, 9025-48

W

Water pump	0417-1
Wheel and fastenings	0110-3
Wire terminal location	9015A-7
Wiring diagram, complete	9015-45
Wiring harnesses and switches	1674-1

**COMPLETE PAGE LISTING
WITH LATEST DATE LINES**

I-I-1,2	(May-80)	1-0110-1,2	(May-80)	3-0315-1,2	(May-80)
I-I-3,4	(May-80)	1-0110-3,4	(May-80)	3-0315-3,4	(May-80)
I-I-5,6	(May-80)	1-0110-5,6	(May-80)	3-0315-5,6	(May-80)
I-I-7,8	(May-80)	1-0199-1,2	(May-80)	3-0325-1,2	(May-80)
I-I-9,10	(May-80)			3-0341-1,2	(May-80)
I-I-11,12	(May-80)	2-0201-1,2	(May-80)	3-0341-3,4	(May-80)
I-I-13,14	(May-80)	2-0201-3,4	(May-80)	3-0341-5,6	(May-80)
I-II-1,2	(May-80)	2-0201-5,6	(May-80)	3-0341-7,8	(May-80)
I-II-3,4	(May-80)	2-0201-7,8	(May-80)	3-0342-1,2	(May-80)
I-II-5,6	(May-80)	2-0210-1,2	(May-80)	3-0350-1,2	(May-80)
I-II-7,8	(May-80)	2-0210-3,4	(May-80)	3-0350-3,4	(May-80)
I-III-1,2	(May-80)	2-0210-5,6	(May-80)	3-0350-5,6	(May-80)
I-III-3,4	(May-80)	2-0210-7,8	(May-80)	3-0350-7,8	(May-80)
I-III-5,6	(May-80)	2-0210-9,10	(May-80)	3-0350-9,10	(May-80)
I-IV-1,2	(May-80)	2-0210-11,12	(May-80)	3-0350-11,12	(May-80)
I-IV-3,4	(May-80)	2-0210-13,14	(May-80)	3-0350-13,14	(May-80)
I-IV-5,6	(May-80)	2-0210-15,16	(May-80)	3-0350-15,16	(May-80)
I-IV-7,8	(May-80)	2-0210-17,18	(May-80)	3-0350-17,18	(May-80)
I-IV-9,10	(May-80)	2-0210-19,20	(May-80)	3-0350-19,20	(May-80)
I-IV-11,12	(May-80)	2-0210-21,22	(May-80)	3-0350-21,22	(May-80)
I-IV-13,14	(May-80)	2-0210-23,24	(May-80)	3-0350-23,24	(May-80)
I-IV-15,16	(May-80)	2-0210-25,26	(May-80)	3-0350-25,26	(May-80)
I-IV-17,18	(May-80)	2-0210-27,28	(May-80)	3-0350-27,28	(May-80)
I-IV-19,20	(May-80)	2-0210-29,30	(May-80)	3-0350-29,30	(May-80)
I-IV-21,22	(May-80)	2-0210-31,32	(May-80)	3-0350-31,32	(May-80)
I-IV-23,24	(May-80)	2-0210-33,34	(May-80)	3-0350-33,34	(May-80)
I-IV-25,26	(May-80)	2-0210-35,36	(May-80)	3-0350-35,36	(May-80)
I-IV-27,28	(May-80)	2-0225-1,2	(May-80)	3-0350-37,38	(May-80)
I-IV-29,30	(May-80)	2-0225-3,4	(May-80)	3-0350-39,40	(May-80)
I-IV-31,32	(May-80)	2-0243-1,2	(May-80)	3-0350-41,42	(May-80)
I-IV-33,34	(May-80)	2-0250-1,2	(May-80)	3-0350-43,44	(May-80)
I-IV-35,36	(May-80)	2-0250-3,4	(May-80)	3-0350-45,46	(May-80)
I-IV-37,38	(May-80)	2-0250-5,6	(May-80)	3-0350-47,48	(May-80)
I-IV-39,40	(May-80)	2-0260-1,2	(May-80)	3-0350-49,50	(May-80)
I-IV-41,42	(May-80)	2-0260-3,4	(May-80)	3-0350-51,52	(May-80)
I-IV-43,44	(May-80)	2-0260-5,6	(May-80)	3-0350-53,54	(May-80)
I-IV-45,46	(May-80)	2-0260-7,8	(May-80)	3-0350-55,56	(May-80)
I-IV-47,48	(May-80)	2-0260-9,10	(May-80)	3-0350-57,58	(May-80)
I-IV-49,50	(May-80)	2-0299-1,2	(May-80)	3-0350-59,60	(May-80)
I-IV-51,52	(May-80)	2-0299-3,4	(May-80)	3-0360-1,2	(May-80)
I-IV-53,54	(May-80)	2-0299-5,6	(May-80)	3-0360-3,4	(May-80)
I-IV-55,56	(May-80)	2-0299-7,8	(May-80)	3-0360-5,6	(May-80)
I-IV-57,58	(May-80)	2-0299-9,10	(May-80)	3-0360-7,8	(May-80)
I-V-1,2	(May-80)	2-0299-11,12	(May-80)	3-0360-9,10	(May-80)
		2-0299-13,14	(May-80)	3-0360-11,12	(May-80)

COMPLETE PAGE LISTING—Continued

3-0360-13,14	(May-80)	4-0407-1,2	(May-80)	4-0499-13,14	(May-80)
3-0360-15,16	(May-80)	4-0407-3,4	(May-80)	4-0499-15,16	(May-80)
3-0370-1,2	(May-80)	4-0407-5,6	(May-80)	4-0499-17,18	(May-80)
3-0370-3,4	(May-80)	4-0408-1,2	(May-80)	4-0499-19,20	(May-80)
3-0370-5,6	(May-80)	4-0409-1,2	(May-80)	4-0499-21,22	(May-80)
3-0370-7,8	(May-80)	4-0409-3,4	(May-80)	4-0499-23,24	(May-80)
3-0399-1,2	(May-80)	4-0409-5,6	(May-80)	4-0499-25,26	(May-80)
3-0399-3,4	(May-80)	4-0410-1,2	(May-80)	4-0499-27,28	(May-80)
3-0399-5,6	(May-80)	4-0413-1,2	(May-80)	4-0499-29,30	(May-80)
3-0399-7,8	(May-80)	4-0413-3,4	(May-80)	4-0499-31,32	(May-80)
3-0399-9,10	(May-80)	4-0413-5,6	(May-80)	4-0499-33,34	(May-80)
3-0399-11,12	(May-80)	4-0413-7,8	(May-80)	4-0499-35,36	(May-80)
3-0399-13,14	(May-80)	4-0413-9,10	(May-80)	4-0499-37,38	(May-80)
3-0399-15,16	(May-80)	4-0413-11,12	(May-80)	4-0499-39,40	(May-80)
3-0399-17,18	(May-80)	4-0413-13,14	(May-80)	4-0499-41,42	(May-80)
3-0399-19,20	(May-80)	4-0413-15,16	(May-80)		
3-0399-21,22	(May-80)	4-0413-17,18	(May-80)	5-0505-1,2	(May-80)
3-0399-23,24	(May-80)	4-0413-19,20	(May-80)	5-0505-3,4	(May-80)
3-0399-25,26	(May-80)	4-0414-1,2	(May-80)	5-0505-5,6	(May-80)
		4-0414-3,4	(May-80)	5-0510-1,2	(May-80)
4-0400-1,2	(May-80)	4-0416-1,2	(May-80)	5-0510-3,4	(May-80)
4-0400-3,4	(May-80)	4-0416-3,4	(May-80)	5-0510-5,6	(May-80)
4-0400-5,6	(May-80)	4-0416-5,6	(May-80)	5-0515-1,2	(May-80)
4-0400-7,8	(May-80)	4-0416-7,8	(May-80)	5-0515-3,4	(May-80)
4-0400-9,10	(May-80)	4-0417-1,2	(May-80)	5-0520-1,2	(May-80)
4-0400-11,12	(May-80)	4-0417-3,4	(May-80)	5-0530-1,2	(May-80)
4-0400-13,14	(May-80)	4-0417-5,6	(May-80)	5-0540-1,2	(May-80)
4-0401-1,2	(May-80)	4-0417-7,8	(May-80)	5-0560-1,2	(May-80)
4-0401-3,4	(May-80)	4-0418-1,2	(May-80)	5-0560-3,4	(May-80)
4-0401-5,6	(May-80)	4-0419-1,2	(May-80)	5-0560-5,6	(May-80)
4-0401-7,8	(May-80)	4-0420-1,2	(May-80)	5-0599-1,2	(May-80)
4-0402-1,2	(May-80)	4-0422-1,2	(May-80)	5-0599-3,4	(May-80)
4-0402-3,4	(May-80)	4-0422-3,4	(May-80)		
4-0402-5,6	(May-80)	4-0422-5,6	(May-80)	9-0930-1,2	(May-80)
4-0402-7,8	(May-80)	4-0422-7,8	(May-80)	9-0930-3,4	(May-80)
4-0403-1,2	(May-80)	4-0422-9,10	(May-80)	9-0930-5,6	(May-80)
4-0403-3,4	(May-80)	4-0429-1,2	(May-80)	9-0960-1,2	(May-80)
4-0403-5,6	(May-80)	4-0429-3,4	(May-80)	9-0960-3,4	(May-80)
4-0403-7,8	(May-80)	4-0433-1,2	(May-80)	9-0960-5,6	(May-80)
4-0403-9,10	(May-80)	4-0499-1,2	(May-80)	9-0960-7,8	(May-80)
4-0404-1,2	(May-80)	4-0499-3,4	(May-80)	9-0960-9,10	(May-80)
4-0404-3,4	(May-80)	4-0499-5,6	(May-80)	9-0960-11,12	(May-80)
4-0404-5,6	(May-80)	4-0499-7,8	(May-80)	9-0960-13,14	(May-80)
4-0404-7,8	(May-80)	4-0499-9,10	(May-80)	9-0999-1,2	(May-80)
4-0404-9,10	(May-80)	4-0499-11,12	(May-80)	9-0999-3,4	(May-80)
				9-0999-5,6	(May-80)
				9-0999-7,8	(May-80)

COMPLETE PAGE LISTING—Continued

10-1011-1,2	(May-80)	17-1740-1,2	(May-80)	20-2003-1,2	(May-80)
10-1011-3,4	(May-80)	17-1740-3,4	(May-80)	20-2003-3,4	(May-80)
10-1015-1,2	(May-80)	17-1740-5,6	(May-80)	20-2003-5,6	(May-80)
10-1060-1,2	(May-80)	17-1740-7,8	(May-80)	20-2003-7,8	(May-80)
10-1060-3,4	(May-80)	17-1746-1,2	(May-80)	20-2003-9,10	(May-80)
10-1060-5,6	(May-80)	17-1799-1,2	(May-80)	20-2004-1,2	(May-80)
10-1060-7,8	(May-80)			20-2006-1,2	(May-80)
10-1099-1,2	(May-80)	18-1810-1,2	(May-80)	20-2099-1,2	(May-80)
10-1099-3,4	(May-80)	18-1810-3,4	(May-80)		
		18-1810-5,6	(May-80)	21-2160-1,2	(May-80)
11-1111-1,2	(May-80)	18-1810-7,8	(May-80)	21-2160-3,4	(May-80)
11-1111-3,4	(May-80)	18-1810-9,10	(May-80)	21-2160-5,6	(May-80)
11-1111-5,6	(May-80)	18-1810-11,12	(May-80)	21-2160-7,8	(May-80)
11-1115-1,2	(May-80)	18-1810-13,14	(May-80)	21-2160-9,10	(May-80)
11-1199-1,2	(May-80)	18-1821-1,2	(May-80)	21-2160-11,12	(May-80)
		18-1830-1,2	(May-80)	21-2160-13,14	(May-80)
16-1671-1,2	(May-80)	18-1830-3,4	(May-80)	21-2160-15,16	(May-80)
16-1671-3,4	(May-80)	18-1830-5,6	(May-80)	21-2160-17,18	(May-80)
16-1671-5,6	(May-80)	18-1830-7,8	(May-80)	21-2160-19,20	(May-80)
16-1671-7,8	(May-80)	18-1830-9,10	(May-80)	21-2160-21,22	(May-80)
16-1672-1,2	(May-80)	18-1830-11,12	(May-80)	21-2160-23,24	(May-80)
16-1672-3,4	(May-80)	18-1830-13,14	(May-80)	21-2160-25,26	(May-80)
16-1672-5,6	(May-80)	18-1830-15,16	(May-80)	21-2160-27,28	(May-80)
16-1672-7,8	(May-80)	18-1830-17,18	(May-80)	21-2160-29,30	(May-80)
16-1672-9,10	(May-80)	18-1830-19,20	(May-80)	21-2160-31,32	(May-80)
16-1672-11,12	(May-80)	18-1830-21,22	(May-80)	21-2160-33,34	(May-80)
16-1672-13,14	(May-80)	18-1830-23,24	(May-80)	21-2160-35,36	(May-80)
16-1672-15,16	(May-80)	18-1830-25,26	(May-80)	21-2160-37,38	(May-80)
16-1673-1,2	(May-80)	18-1830-27,28	(May-80)	21-2160-39,40	(May-80)
16-1674-1,2	(May-80)	18-1830-29,30	(May-80)	21-2160-41,42	(May-80)
16-1674-3,4	(May-80)	18-1830-31,32	(May-80)	21-2160-43,44	(May-80)
16-1674-5,6	(May-80)	18-1830-33,34	(May-80)	21-2160-45,46	(May-80)
16-1674-7,8	(May-80)	18-1899-1,2	(May-80)	21-2160-47,48	(May-80)
16-1675-1,2	(May-80)	18-1899-3,4	(May-80)	21-2199-1,2	(May-80)
16-1675-3,4	(May-80)	18-1899-5,6	(May-80)	21-2199-3,4	(May-80)
16-1675-5,6	(May-80)			21-2199-5,6	(May-80)
16-1675-7,8	(May-80)	19-1910-1,2	(May-80)	21-2199-7,8	(May-80)
16-1676-1,2	(May-80)	19-1910-3,4	(May-80)	21-2199-9,10	(May-80)
16-1676-3,4	(May-80)	19-1913-1,2	(May-80)	21-2199-11,12	(May-80)
16-1676-5,6	(May-80)	19-1921-1,2	(May-80)	21-2199-13,14	(May-80)
16-1676-7,8	(May-80)				
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16-1699-3,4	(May-80)	20-2001-3,4	(May-80)		
16-1699-5,6	(May-80)	20-2002-1,2	(May-80)		
16-1699-7,8	(May-80)				

COMPLETE PAGE LISTING—Continued

32-3201-1,2	(May-80)	39-3901-1,2	(May-80)	41-4151-7,8	(May-80)
32-3201-3,4	(May-80)	39-3901-3,4	(May-80)	41-4151-9,10	(May-80)
32-3201-5,6	(May-80)	39-3901-5,6	(May-80)	41-4151-11,12	(May-80)
32-3215-1,2	(May-80)	39-3901-7,8	(May-80)	41-4151-13,14	(May-80)
32-3215-3,4	(May-80)	39-3901-9,10	(May-80)	41-4151-15,16	(May-80)
32-3260-1,2	(May-80)	39-3903-1,2	(May-80)	41-4151-17,18	(May-80)
32-3260-3,4	(May-80)	39-3903-3,4	(May-80)	41-4151-19,20	(May-80)
32-3260-5,6	(May-80)	39-3915-1,2	(May-80)	41-4151-21,22	(May-80)
32-3260-7,8	(May-80)	39-3940-1,2	(May-80)	41-4151-23,24	(May-80)
32-3260-9,10	(May-80)	39-3940-3,4	(May-80)	41-4151-25,26	(May-80)
32-3299-1,2	(May-80)	39-3960-1,2	(May-80)	41-4151-27,28	(May-80)
32-3299-3,4	(May-80)	39-3960-3,4	(May-80)	41-4151-29,30	(May-80)
		39-3960-5,6	(May-80)	41-4152-1,2	(May-80)
37-3715-1,2	(May-80)	39-3960-7,8	(May-80)	41-4152-3,4	(May-80)
37-3715-3,4	(May-80)	39-3960-9,10	(May-80)	41-4152-5,6	(May-80)
37-3715-5,6	(May-80)	39-3960-11,12	(May-80)	41-4160-1,2	(May-80)
37-3715-7,8	(May-80)	39-3960-13,14	(May-80)	41-4199-1,2	(May-80)
37-3715-9,10	(May-80)	39-3960-15,16	(May-80)	41-4199-3,4	(May-80)
37-3740-1,2	(May-80)	39-3960-17,18	(May-80)	41-4199-5,6	(May-80)
37-3740-3,4	(May-80)	39-3960-19,20	(May-80)	41-4199-7,8	(May-80)
37-3740-5,6	(May-80)	39-3960-21,22	(May-80)	41-4199-9,10	(May-80)
37-3740-7,8	(May-80)	39-3960-23,24	(May-80)	41-4199-11,12	(May-80)
37-3740-9,10	(May-80)	39-3960-25,26	(May-80)		
37-3760-1,2	(May-80)	39-3960-27,28	(May-80)	43-4315-1,2	(May-80)
37-3760-3,4	(May-80)	39-3960-29,30	(May-80)	43-4315-3,4	(May-80)
37-3760-5,6	(May-80)	39-3960-31,32	(May-80)	43-4350-1,2	(May-80)
37-3760-7,8	(May-80)	39-3960-33,34	(May-80)	43-4350-3,4	(May-80)
37-3760-9,10	(May-80)	39-3999-1,2	(May-80)	43-4350-5,6	(May-80)
37-3760-11,12	(May-80)	39-3999-3,4	(May-80)	43-4350-7,8	(May-80)
37-3760-13,14	(May-80)	39-3999-5,6	(May-80)	43-4350-9,10	(May-80)
37-3799-1,2	(May-80)	39-3999-7,8	(May-80)	43-4350-11,12	(May-80)
37-3799-3,4	(May-80)			43-4360-1,2	(May-80)
37-3799-5,6	(May-80)	41-4125-1,2	(May-80)	43-4360-3,4	(May-80)
		41-4125-3,4	(May-80)	43-4360-5,6	(May-80)
38-3803-1,2	(May-80)	41-4125-5,6	(May-80)	43-4360-7,8	(May-80)
38-3803-3,4	(May-80)	41-4125-7,8	(May-80)	43-4360-9,10	(May-80)
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38-3813-1,2	(May-80)	41-4125-11,12	(May-80)	43-4360-13,14	(May-80)
38-3860-1,2	(May-80)	41-4141-1,2	(May-80)	43-4399-1,2	(May-80)
38-3860-3,4	(May-80)	41-4141-3,4	(May-80)	43-4399-3,4	(May-80)
38-3860-5,6	(May-80)	41-4141-5,6	(May-80)		
38-3860-7,8	(May-80)	41-4151-1,2	(May-80)		
38-3899-1,2	(May-80)	41-4151-3,4	(May-80)		
38-3899-3,4	(May-80)	41-4151-5,6	(May-80)		

COMPLETE PAGE LISTING—Continued

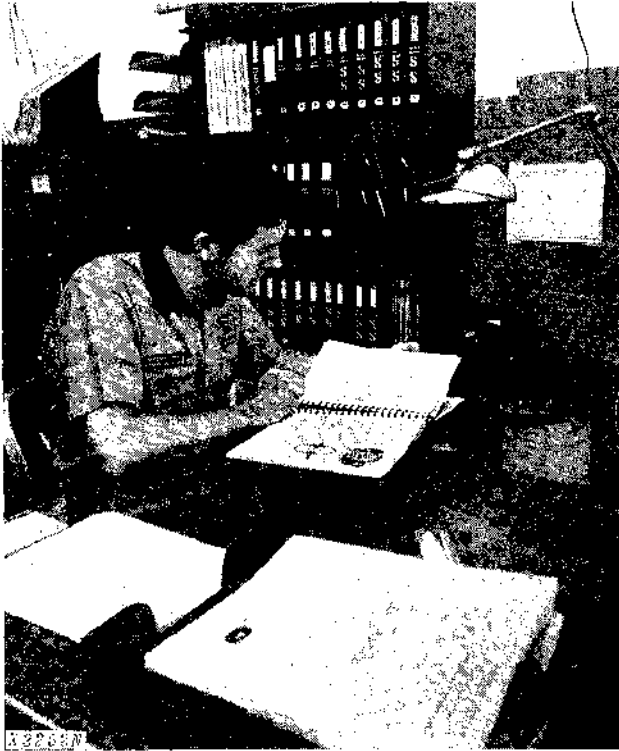
44-4401-1,2	(May-80)	90-9015-21,22	(May-80)	90-9020-15,16	(May-80)
44-4401-3,4	(May-80)	90-9015-23,24	(May-80)	90-9020-17,18	(May-80)
44-4401-5,6	(May-80)	90-9015-25,26	(May-80)	90-9020-19,20	(May-80)
44-4401-7,8	(May-80)	90-9015-27,28	(May-80)	90-9020-21,22	(May-80)
44-4440-1,2	(May-80)	90-9015-29,30	(May-80)	90-9020-23,24	(May-80)
44-4440-3,4	(May-80)	90-9015-31,32	(May-80)	90-9020-25,26	(May-80)
44-4460-1,2	(May-80)	90-9015-33,34	(May-80)	90-9020-27,28	(May-80)
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44-4460-9,10	(May-80)	90-9015-41,42	(May-80)	90-9025-3,4	(May-80)
44-4460-11,12	(May-80)	90-9015-43,44	(May-80)	90-9025-5,6	(May-80)
44-4460-13,14	(May-80)	90-9015-45,46	(May-80)	90-9025-7,8	(May-80)
44-4460-15,16	(May-80)	90-9015-47,48	(May-80)	90-9025-9,10	(May-80)
44-4460-17,18	(May-80)	90-9015-49,50	(May-80)	90-9025-11,12	(May-80)
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44-4460-21,22	(May-80)	90-9015A-3,4	(May-80)	90-9025-15,16	(May-80)
44-4460-23,24	(May-80)	90-9015A-5,6	(May-80)	90-9025-17,18	(May-80)
44-4499-1,2	(May-80)	90-9015A-7,8	(May-80)	90-9025-19,20	(May-80)
44-4499-3,4	(May-80)	90-9015A-9,10	(May-80)	90-9025-21,22	(May-80)
44-4499-5,6	(May-80)	90-9015A-11,12	(May-80)	90-9025-23,24	(May-80)
		90-9015A-13,14	(May-80)	90-9025-25,26	(May-80)
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90-9010-3,4	(May-80)	90-9015A-23,24	(May-80)	90-9025-35,36	(May-80)
90-9010-5,6	(May-80)	90-9015A-25,26	(May-80)	90-9025-37,38	(May-80)
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90-9010-15,16	(May-80)	90-9015A-35,36	(May-80)	90-9025-47,48	(May-80)
90-9010-17,18	(May-80)	90-9015A-37,38	(May-80)	90-9025-49,50	(May-80)
90-9010-19,20	(May-80)	90-9015A-39,40	(May-80)	90-9025-51,52	(May-80)
90-9015-1,2	(May-80)	90-9015A-41,42	(May-80)	90-9025-53,54	(May-80)
90-9015-3,4	(May-80)	90-9015A-43,44	(May-80)	90-9025-55,56	(May-80)
90-9015-5,6	(May-80)	90-9015A-45,46	(May-80)	90-9025-57,58	(May-80)
90-9015-7,8	(May-80)	90-9020-1,2	(May-80)	90-9025-59,60	(May-80)
90-9015-9,10	(May-80)	90-9020-3,4	(May-80)	90-9025-61,62	(May-80)
90-9015-11,12	(May-80)	90-9020-5,6	(May-80)	90-9025-63,64	(May-80)
90-9015-13,14	(May-80)	90-9020-7,8	(May-80)	90-9025-65,66	(May-80)
90-9015-15,16	(May-80)	90-9020-9,10	(May-80)	90-9025-67,68	(May-80)
90-9015-17,18	(May-80)	90-9020-11,12	(May-80)	90-9025-69,70	(May-80)
90-9015-19,20	(May-80)	90-9020-13,14	(May-80)	90-9025-71,72	(May-80)

COMPLETE PAGE LISTING—Continued

90-9025-73,74	(May-80)	90-9031-1,2	(May-80)	90-9035-1,2	(May-80)
90-9025-75,76	(May-80)	90-9031-3,4	(May-80)	90-9035-3,4	(May-80)
90-9025-77,78	(May-80)	90-9031-5,6	(May-80)	90-9035-5,6	(May-80)
90-9025-79,80	(May-80)	90-9031-7,8	(May-80)	90-9035-7,8	(May-80)
90-9025-81,82	(May-80)	90-9031-9,10	(May-80)	90-9035-9,10	(May-80)
90-9025-83,84	(May-80)	90-9031-11,12	(May-80)	90-9035-11,12	(May-80)
90-9025-85,86	(May-80)	90-9031-13,14	(May-80)	90-9035-13,14	(May-80)
90-9025-87,88	(May-80)	90-9031-15,16	(May-80)	90-9035-15,16	(May-80)
90-9025-89,90	(May-80)	90-9031-17,18	(May-80)	90-9035-17,18	(May-80)
90-9025-91,92	(May-80)	90-9031-19,20	(May-80)	90-9035-19,20	(May-80)
90-9025-93,94	(May-80)	90-9031-21,22	(May-80)	90-9035-21,22	(May-80)
90-9025-95,96	(May-80)	90-9031-23,24	(May-80)	90-9035-23,24	(May-80)
90-9025-97,98	(May-80)	90-9031-25,26	(May-80)	90-9035-25,26	(May-80)
90-9025-99,100	(May-80)			90-9035-27,28	(May-80)
90-9025-101,102	(May-80)			90-9035-29,30	(May-80)
90-9025-103,104	(May-80)			90-9035-31,32	(May-80)
90-9025-105,106	(May-80)				
90-9025-107,108	(May-80)				
90-9030-1,2	(May-80)				

Group II INTRODUCTION AND SAFETY INFORMATION

INTRODUCTION



Use FOS Manuals for Reference



Use Technical Manuals for Actual Service

This technical manual is part of a twin concept of service:

The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

■ FOS Manuals—for reference

Fundamentals of Service (FOS) Manuals cover basic theory of operation, *fundamentals* of trouble shooting, *general* maintenance, and *basic* types of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced service technicians.



When a service technician should refer to a FOS Manual for more information, a FOS symbol like the one at left is used in the TM to identify reference.

■ Technical Manuals—for actual service

Technical Manuals are concise service guides for a specific machine. Technical manuals are on-the-job guides containing only vital information needed by an experienced service technician.

This technical manual was planned and written for you—an experienced service technician. Keep it in a permanent binder in the shop where it is handy. Refer to it whenever in doubt about correct service procedures or specifications.


Some features of this manual:

- Inside front cover - "Table of Contents".
- Section I - Contents, safety information, general specifications and general services.
- Sections 1 through 44 - Removal, repair, testing (components removed), installation, and adjustment.
- Section 90 - Detailed explanation of system operation, diagnosis, visual inspection, testing, and adjustments.
- Specifications grouped and illustrated at the end of each section.

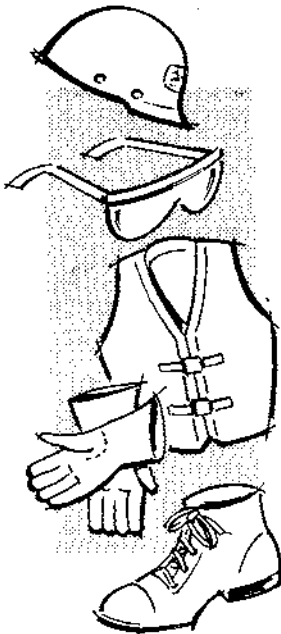
MAINTENANCE WITHOUT ACCIDENT WORK SAFELY



T27999N

 This safety alert symbol is used for important safety messages. When you see this symbol, the possibility of personal injury exists if safety message is not followed.

EVERY EMPLOYER HAS A SAFETY PROGRAM. KNOW WHAT IT IS!



T27601N

Consult your shop supervisor for specific instructions on a job, and the safety equipment required.

For instance, you may need: Hard hat, safety shoes, safety goggles, heavy gloves, reflector vests, ear protectors, respirators.

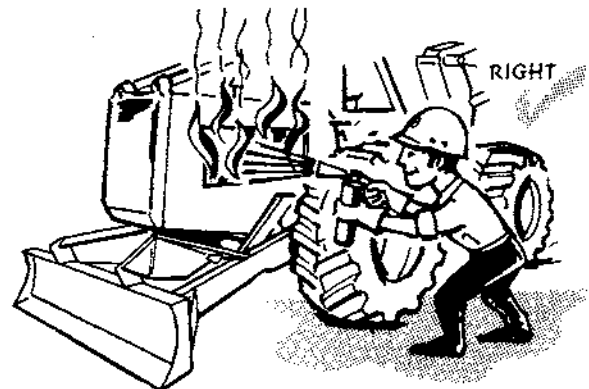
RIGHT



WRONG

T27502N

ALWAYS AVOID loose clothing or any accessory—flopping cuffs, dangling neckties and scarves, or rings and wrist watches—that can catch in moving parts and put you out of work.

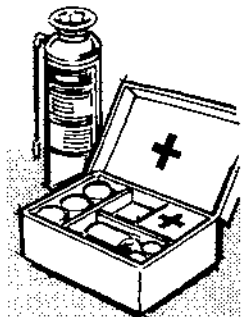


RIGHT

T50032N

BE ALERT!

Plan ahead—work safely—avoid accidental damage and injury. If a careless moment does cause an accident or fire, react quickly with the tools and skills at hand—know how to use a first aid kit and a fire extinguisher—and where to get aid and assistance. In an emergency, split-second action is the key to safety.



T27504N

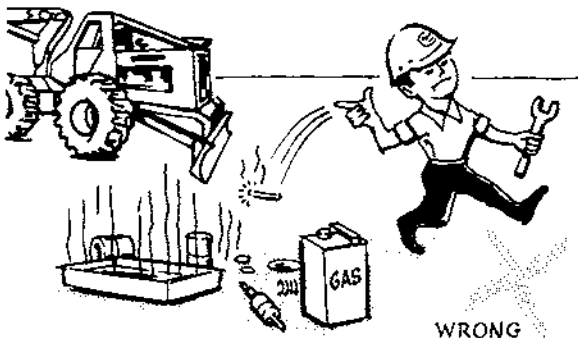
MAINTENANCE WITHOUT ACCIDENT

Specific safety procedures should always be observed, whether servicing or making repairs on tree harvester or feller-buncher. Remembering these—in time!—can prevent an injury...or save your life....

AVOID FIRE HAZARDS—

Fuel Is Dangerous!

- Don't smoke while refueling.
- Don't smoke while handling highly flammable material.
- Engine should be shut off when refueling.
- Use care in refueling if engine is hot.

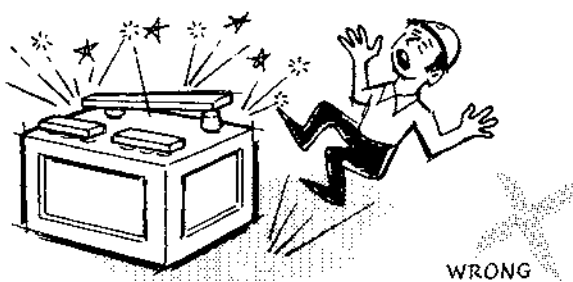


T10833N

Don't use open pans of gasoline or diesel fuel for cleaning parts. Good commercial, nonflammable solvents are preferred.

Battery Gas Is Highly Flammable!

Provide adequate ventilation when charging batteries.



T27506N

Don't check battery charge by placing metal objects across the posts.

- Don't allow sparks or open flame near batteries.
- Don't smoke near battery.

Flame Is Not a Flashlight!

Never check fuel, battery electrolyte or coolant levels with an open flame.

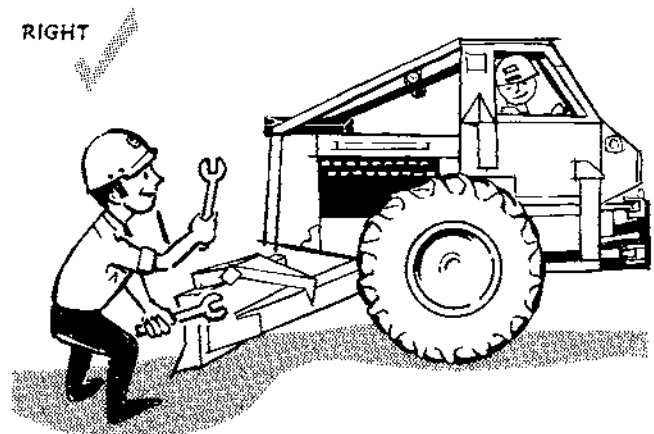
Never use an open flame to look for leaks anywhere on equipment.

Know Where Fire Extinguishers Are Kept!

UNDER ALL MAINTENANCE CONDITIONS—

Do not perform any work on the tree harvester or feller-buncher unless authorized to do so. Then be sure you understand the services required. Follow recommended procedures.

Never service equipment while it is being operated.



T50834N

Avoid working on equipment with the engine running. If it is necessary to make checks with the engine running, **ALWAYS USE TWO SERVICE TECHNICIANS**—one, the operator, at the controls, the other checking in view of the operator. Also, put the transmission in neutral, set the brake, and apply any safety locks provided. **KEEP HANDS AWAY FROM MOVING PARTS.**

