OPERATOR'S MANUAL

WHEEL LOADER

521E
TIER 3

87479803 NA
Replaces 87647798 NA

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TABLE OF CONTENTS

CHAPTER 1
GENERAL INFORMATION
To the Owner 1-1
Machine Components 1-5

CHAPTER 2
SAFETY, AND DECALS
Table of Contents 2-1
Safety Rules 2-3
Personal Safety 2-3
Utility Safety 2-4
Decals 2-11

CHAPTER 3
INSTRUMENTS AND CONTROLS
Table of Contents 3-1
Instruments and Controls 3-3
Cab 3-4
Front Console 3-13
Instrument Panel Indicators 3-14
Control Levers 3-31
Side Console 3-36
Climate Control 3-37

CHAPTER 4
OPERATING INSTRUCTIONS
Table of Contents 4-1
Operating the Machine 4-6
Control Levers 4-13

CHAPTER 5
LUBRICATION, FILTERS, AND FLUIDS
Table of Contents 5-1
Servicing Instructions 5-3
Support Strut for Loader Lift Arms 5-4
Releasing Pressure in the Hydraulic System 5-5
Fluids and Lubricants 5-6
Engine Oil Viscosity / Temperature Ranges 5-7
Daily Inspections 5-11
Lubrication and Maintenance Quick Reference Chart 5-12
Access Doors and Fill Locations 5-13
Scheduled Maintenance 5-15

CHAPTER 6
MAINTENANCE AND ADJUSTMENTS
Table of Contents 6-1
Cab Service 6-22

CHAPTER 7
ELECTRICAL
Table of Contents 7-1
Electrical System 7-3
Batteries 7-5
Fuses and Relays 7-7
Machine Lights 7-10

MidWestTech | Case 521E Tier 3 Wheel Loader Operator's Manual | Publication 87479803... Order the manual at mid-west-tech.com >

CHAPTER 8

SPECIFICATIONS

Table of Contents 8-1
Specifications 8-3
Optional Equipment 8-7
Lift Capacity 521E Z-Bar 8-8
Lift Capacity 521E XT Lift Arm 8-9
Lift Capacity 521E XR Lift ARM 8-10
521E Z-Bar Operating Data and Dimensions 8-11
521E XT Lift Arm Operating Data and Dimensions 8-19
521E XR Lift Arm Operating Data and Dimensions 8-24
Material Weights 8-30
Torque Charts 8-31

CHAPTER 9

INDEX

MidWestTech | Case 521E Tier 3 Wheel Loader Operator's Manual | Publication 87479803... Order the manual at mid-west-tech.com >

Chapter 2

SAFETY, AND DECALS

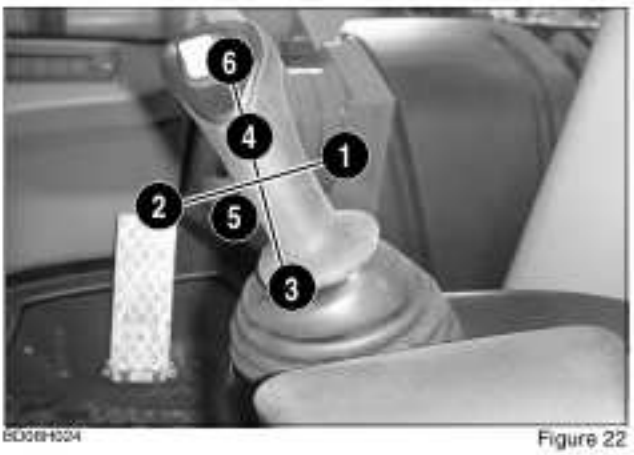
TABLE OF CONTENTS

SAFETY RULES 2-3
PERSONAL SAFETY 2-3
UTILITY SAFETY 2-4
Personal 2-5
General 2-5
Mounting and Dismounting Precautions 2-5
Starting and Stopping Precautions 2-5
Operating Precautions 2-6
Maintenance Precautions 2-7
Fuel Handling Precautions 2-8
Burn Prevention 2-8
Hazardous Chemical Precautions 2-8
Transporting Precautions 2-8
Fire Extinguisher 2-8
Seat Belt Precautions 2-9
Specific Precautions to this Machine 2-10
DECALS 2-11

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CONTROL LEVERS

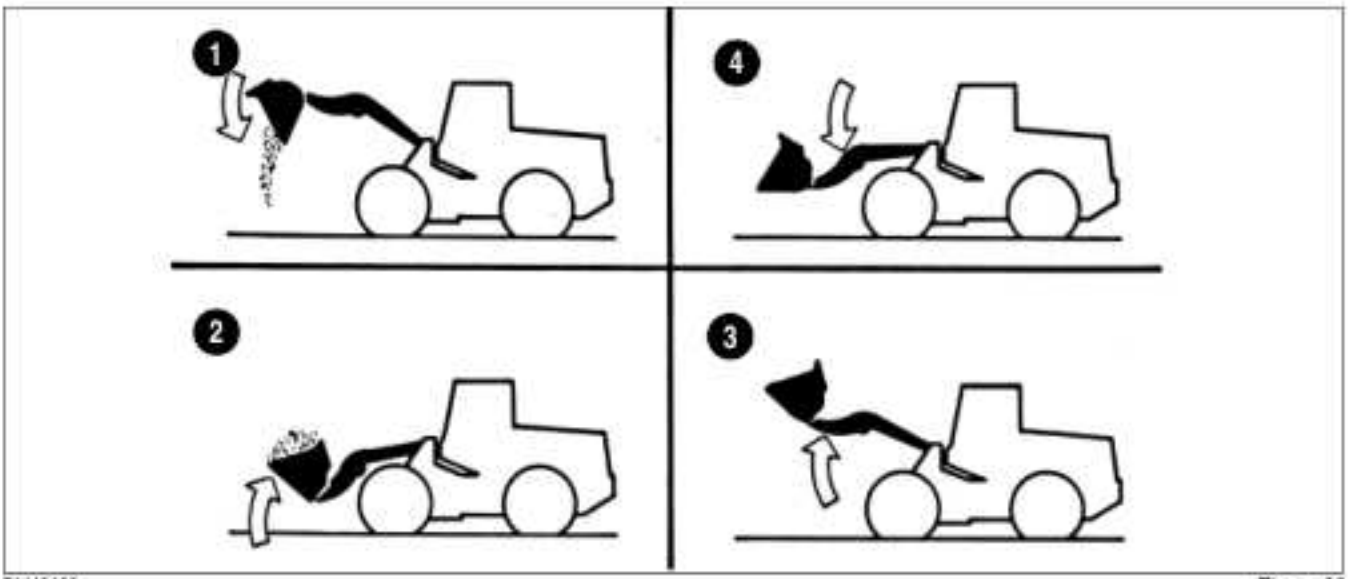
TWO SPOOL VALVE - ONE CONTROL LEVER



BD08H024 Figure 22

NOTE: *This page shows the basic loader control lever positions.*

See Loader Function Switches in this manual for RETURN-TO-DIG, BUCKET HEIGHT CONTROL and RETURN-TO-TRAVEL/FLOAT switches.



B1119A88 Figure 23

1. DUMP BUCKET
2. ROLLBACK BUCKET
3. RAISE LIFT ARMS
4. LOWER LIFT ARMS
5. HOLD: THE LOADER ARMS AND BUCKET WILL NOT MOVE WHEN THE CONTROL LEVER IS IN THE HOLD POSITION. WHEN RELEASED, THE CONTROL LEVER MUST BE MANUALLY MOVED FROM THE FLOAT POSITION TO THE HOLD POSITION. (ONLY WITH FLOAT DETENT SWITCH ENGAGED.)
6. FLOAT (DETENT): THIS IS A DETENT POSITION. WHEN IN THE FLOAT (DETENT) POSITION, THE LOADER BUCKET CAN FOLLOW LEVEL OF THE GROUND WITHOUT MOVEMENT OF THE CONTROL LEVER. (ONLY WITH FLOAT DETENT SWITCH ENGAGED.)

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1000 HOUR MAINTENANCE

CAB AIR FILTER

Replace the cab air filter when the hourmeter registers 1000 hours or more frequently when operating conditions are severe.



BD07G077 Figure 70

The cab filter is located on the right hand side of the machine, below the operator's compartment. Remove the two screws from the cab air filter cover, and remove the cover.



BD07G078-01 Figure 71

Pull filter forward to remove. Wipe the inside of the filter housing. Replace with a new filter. Reinstall the filter cover, replacing the two screws.

CAB AIR RECIRCULATION FILTER

The cab recirculation air filter is located behind the operator's seat. Replace the filter when the hourmeter registers 1000 hours.



BD06F095 Figure 72

1. Remove the retaining screw that holds the re-circulation air filter cover in place and remove the filter.
2. Replace with a new filter, and secure the access filter cover.

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LIFT CAPACITY 521E XR LIFT ARM

Lift Capacity 521E XR

	2.1 yd^3 (1.6 m^3) Bucket w/Bolt on Edge	2.1 yd^3 (1.6 m^3) Bucket w/Teeth
Full Height	11527 lb (5228 kg)	11424 lb (5182 kg)
Ground	19294 lb (8751 kg)	19198 lb (8708 kg)

Lift Capacity 521E XR

	2.3 yd^3 (1.8 m^3) Bucket w/Bolt on Edge	2.3 yd^3 (1.8 m^3) Bucket w/Teeth
Full Height	11443 lb (5190 kg)	11341 lb (5144 kg)
Ground	19101 lb (8664 kg)	18982 lb (8610 kg)

Lift Capacity 521E XR

	2.6 yd^3 (2.0 m^3) Bucket w/Bolt on Edge
Full Height	11512 lb (5222 kg)
Ground	19067 lb (8649 kg)

Lift Capacity 521E XR - ACS Buckets with Coupler

	2.1 yd^3 (1.6 m^3) Bucket w/Bolt on Edge	2.1 yd^3 (1.6 m^3) Bucket w/Bolt on Edge
Full Height	10512 lb (4768 kg)	10138 lb (4559 kg)
Ground	18148 lb (8232 kg)	17750 lb (8501 kg)

Lift Capacity 521E XR - JRB Buckets with Coupler

	2.0 yd^3 (1.5 m^3) Bucket w/Bolt on Edge
Full Height	10814 lb (4905 kg)
Ground	17924 lb (8130 kg)

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521E
621E
721E
821E
921E
Wheel Loader
Joystick Steering System

Operator's Manual

Supplement to Operator's Manuals
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CASE CONSTRUCTION

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