

LW 110.B Wheel Loader Service Manual 6-72402

Table of Contents

Description	Section No.	Form No.
General	Tab 1	
Section Index - General		6-72440
Standard Torque Specifications	1001	6-49790
Fluids and Lubricants	1002	6-72451
Metric Conversion Chart	1003	6-49810
Englace	Tab 0	
Engines	Tab 2	6-72460
Section Index - Engines	2000	6-72460
Engine and Radiator Removal and Installation Stall Tests		
	2002	6-72481
Engine		6-49731
Fuel System	Tab 3	
Section Index - Fuel System		6-72490
For Fuel System Repair, See the Engine Service Manual		
Electrical	Tab 4	
Section Index - Electrical		6-72500
Removal and Installation of Starter and Alternator	4001	6-72510
Electrical Specifications and Troubleshooting	4002	6-72520
Batteries	4003	6-72530

Instrument Cluster and Digital Display

4005

6-73550

LW 110.B Wheel Loader Service Manual 6-72402

Table of Contents

Steering Fab 5 Section Index - Steering 6-72580 Removal and Installation of Steering Components 5001 6-72600 Steering Control Valve 5003 6-72610 Steering Cylinders 5006 6-72620 Steering Cylinders 5006 6-72620 Center Pivot 5006 6-72630 Auxillary Steering Motor and Pump 5007 6-72650 Power Train Tab 6 5 Section Index - Power Train 6-72640 Removal and Installation of Power Train Components 6001 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission Control Valve 6004 6-72700 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72700 72740 Transmission Control Valve 6-72600 6-72700 Brake Accumulators 7004 6-72700 <	Description	Section No.	Form No.
Removal and Installation of Steering Components 5001 6-72590 Steering Specifications, Pressure Checks, and Troubleshooting 5002 6-72600 Steering Control Valve 5004 6-72620 Steering Cylinders 5005 6-72630 Center Pivot 5006 6-72630 Center Pivot 5007 6-72650 Power Train Tab 6 6-72660 Removal and Installation of Power Train Components 6001 6-72630 Power Train 6002 6-72630 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72600 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72700 Transmission Control Valve 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72700 Brakes Tab 7 5 5 Section Index - Brakes 6-72700 6-72700 Prever Train 7001 6-72700 Brake Accumulators 7001 6-72700 Praving Brake 7001 6-72780	Steering	Tab 5	
Steering Specifications, Pressure Checks, and Troubleshooting 5002 6-72600 Steering Control Valve 5003 6-72610 Steering Priority Valve 5005 6-72630 Steering Cylinders 5005 6-72640 Auxiliary Steering Motor and Pump 5007 6-72650 Power Train 6001 6-72670 Removal and Installation of Power Train Components 6001 6-72670 Transmission 6003 6-72680 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72730 Transmission Control Valve 6007 6-72730 Brakes 7001 6-72750 Section Index - Brakes 6-72750 Removal and Installation of Brake Components 6007 6-72730 Parkes 7004 6-72750 Parkong Trake 7004 6-72750 Parkong Trake 7004 6-72750 Parking Brake 7004 6-72750 Parking Brake 6003 6-72811	Section Index - Steering		6-72580
Steering Control Valve 5003 6-72610 Steering Driority Valve 5004 6-72620 Steering Cylinders 5005 6-72630 Auxiliary Steering Motor and Pump 5007 6-72650 Power Train Tab 6 6 Section Index - Power Train 6001 6-72650 Removal and Installation of Power Train Components 6001 6-72650 Transmission 6003 6-72680 Transmission 6003 6-72690 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72700 Wheels and Tires 6006 6-72730 Transmission Control Valve 6006 6-72700 Brakes 672750 6-72260 Brakes 6006 6-72730 Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7004 6-72780 Brake Components 7004 6-72780 Parking Brake 7008 6-72790 Whetal Installation of	Removal and Installation of Steering Components	5001	6-72590
Steering Priority Valve 5004 6-72620 Steering Cylinders 5005 6-72630 Center Pivot 5006 6-72640 Auxiliary Steering Motor and Pump 5007 6-72650 Power Train Tab 6 5005 5-72650 Power Train 6001 6-72660 Removal and Installation of Power Train Components 6001 6-72690 Transmission Specifications, Pressure Checks, and Troubleshooting 6003 6-72690 Transmission 6003 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72700 Wheels and Tires 6006 6-72700 Transmission Control Valve 6007 6-72700 Brakes Tab 7 5 Section Index - Brakes 6-72700 6-72700 Parke Accumulators 7001 6-72700 Parke Accumulators 7004 6-72700 Parking Brake 7008 6-72700 Parking Brake 6005 6-72700 Parking Brake 6006 6-72700 <td>Steering Specifications, Pressure Checks, and Troubleshooting</td> <td>5002</td> <td>6-72600</td>	Steering Specifications, Pressure Checks, and Troubleshooting	5002	6-72600
Steering Cylinders 5005 6-72630 Center Pivot 5006 6-72640 Auxiliary Steering Motor and Pump 5007 6-72660 Power Train Tab 6 5 Section Index - Power Train 6-72660 Removal and Installation of Power Train Components 6001 6-72670 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6003 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72730 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes Tab 7 5 Section Index - Brakes 6-72750 7 Removal and Installation of Brake Components 7001 6-72780 Hydraulic Brake Troubleshooting 7002 6-72780 Parking Brake 7004 6-72780 Parking Brake 6001 6-72780 Parking Brake 6001 6-72780 Parking Brake	Steering Control Valve	5003	6-72610
Center Pivot 5006 6-72640 Auxiliary Steering Motor and Pump 5007 6-72650 Power Train Tab 6 6 Section Index - Power Train 6001 6-72660 Removal and Installation of Power Train Components 6001 6-72670 transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6003 6-72690 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72730 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72750 Brakes 6-72750 6-72750 Removal and Installation of Brake Components 7001 6-72780 Hydraulic Brake 7004 6-72780 Parking Brake 7004 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulics 6-72800 6-72800 6-72800 Removal and Installation of Hydraulic Components	Steering Priority Valve	5004	6-72620
Auxiliary Steering Motor and Pump 507 6-72650 Power Train 6-72660 Removal and Installation of Power Train Components 6001 6-72670 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission 6003 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72730 Wheels and Tires 6006 6-72700 Transmission Control Valve 6007 6-72700 Brakes Tab 7 6-72700 Section Index - Brakes 6-72730 6-72750 Removal and Installation of Brake Components 7001 6-72700 Hydraulic Brake Troubleshooting 7002 6-72700 Parke Accumulators 7004 6-72700 Parke Accumulators 7004 6-72700 Parke Accumulators 7004 6-72780 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components	Steering Cylinders	5005	6-72630
Power TrainTab 6Section Index - Power Train6-72660Removal and Installation of Power Train Components60016.726707ransmission Specifications, Pressure Checks, and Troubleshooting60026.7268060036-72680Transmission60036-72700Drive Shafts, Center Bearing, and Universal Joints60056-72730Wheels and Tires60066-72730Transmission Control Valve60076-72740Brakes6-72750Removal and Installation of Brake Components70016-72760Hydraulic Brake Troubleshooting70026-72770Parking Brake70046-72780Parking Brake70086-72780Removal and Installation of Hydraulic Components70086-72780Removal and Installation of Hydraulic Components80016-72811Hydraulics6-728006-728006-72800Removal and Installation of Hydraulic Components80016-72811Hydraulics Specifications, Troubleshooting, and Pressure Checks80026-72820Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72830Cleaning the Hydraulic System80066-72830Loader Control Valve80056-72830Cleaning the Hydraulic System80066-72830Loader Control Valve80056-72830Cleaning the Hydraulic System80066-72830Loader Control Valve80056-72830Cyl	Center Pivot	5006	6-72640
Section Index - Power Train 6-72660 Removal and Installation of Power Train Components 6001 6-72670 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6003 6-72680 Transmission Specifications, Pressure Checks, and Troubleshooting 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6006 6-72730 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes 701 6-72760 Removal and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72780 Parking Brake 7004 6-72780 Parking Brake 7008 6-72800 Hydraulics 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Parking Brake 7008 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72801 <td>Auxiliary Steering Motor and Pump</td> <td>5007</td> <td>6-72650</td>	Auxiliary Steering Motor and Pump	5007	6-72650
Removal and Installation of Power Train Components 6001 6-72670 Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission 6003 6-72690 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72700 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72700 Parke Accumulators 7004 6-72800 Removal Brake 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal Brake 6-72800 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal Brake Components 8001 6-72800 Removal and Installation of Hydraulic Components	Power Train	Tab 6	
Transmission Specifications, Pressure Checks, and Troubleshooting 6002 6-72680 Transmission 6003 6-72690 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72700 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72800 Parking Brake 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72801 Parking Brake 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8002 6-72800 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8002 6-72810 Loader Conrt	Section Index - Power Train		6-72660
Transmission 6003 6-72690 Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72780 Removal and Installation of Hydraulic Components 8001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72780 Removal and Installation of Hydraulic Components 8001 6-72800 Indicator Control Valve 8003 6-72800 Indige Envirous Control Removal and Installation of Hydraul	Removal and Installation of Power Train Components	6001	6-72670
Front and Rear Axle 6004 6-72700 Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72700 Brakes 6007 6-72750 Removal and Installation of Brake Components 7001 6-72700 Hydraulic Brake Troubleshooting 7002 6-72700 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72780 Parking Brake 6001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulics 6-72800 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72821 Cleaning the Hydraulic System 8003 6-72800 Loader Conrtol Valve 8005 6-72800 Cylinders 6006 6-72811 Hydraulic System 8003 6-72800 Loader Conrtol Valve	Transmission Specifications, Pressure Checks, and Troubleshooting	6002	6-72680
Drive Shafts, Center Bearing, and Universal Joints 6005 6-72720 Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes 6007 6-72750 Section Index - Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72770 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72790 Vertic Hydraulics Fab 8 Section Index - Hydraulics 6-72800 Removal and Installation of Hydraulic Components 8001 6-72810 Network Hydraulics 6-72800 Section Index - Hydraulics 6-72800 Section Index - Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72820 6-72820 6-72820 6003 6-72830 6-72830 6-72830 6-72830 6-72830 6-72830 6-	Transmission	6003	6-72690
Wheels and Tires 6006 6-72730 Transmission Control Valve 6007 6-72740 Brakes Tab 7 Section Index - Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72790 Hydraulics 6-72800 Removal and Installation of Hydraulic Components 6001 6-72810 Hydraulics 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72821 Cleaning the Hydraulic System 8003 6-72830 Loader Conrtol Valve 8005 6-72850 Cylinders 8006 6-72810 Pilot Pressure Accumulator and Ride Control Accumulator 8003 6-72870	Front and Rear Axle	6004	6-72700
Transmission Control Valve 6007 6-72740 Brakes 6007 6-72740 Brakes 6-72750 Bernoval and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72790 Hydraulics 7008 6-72780 Section Index - Hydraulics 6001 6-72800 Parking Brake 7008 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72821 Cleaning the Hydraulic System 8003 6-72830 Loader Conrtol Valve 8005 6-72850 Cylinders 8006 6-72861 Coupler Solenoid Locking Valve 8007 6-72870 Pilot Pressure Accumulator and Ride Control Accumulator 8013 6-72870	Drive Shafts, Center Bearing, and Universal Joints	6005	6-72720
Brakes Tab 7 Section Index - Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72790 Vertice 7008 6-72780 Parking Brake 7008 6-72800 Parking Brake 7008 6-72800 Parking Brake 6001 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72830 Cleaning the Hydraulic System 8003 6-72830 Loader Control Valve 8005 6-72830 Cylinders 8006 6-72850 Cylinders 8006 6-72850 Pilot Pressure Accumulator and Ride Control Accumulator 8013 6-72870	Wheels and Tires	6006	6-72730
Section Index - Brakes 6-72750 Removal and Installation of Brake Components 7001 6-72760 Hydraulic Brake Troubleshooting 7002 6-72770 Brake Accumulators 7004 6-72780 Parking Brake 7008 6-72790 Hydraulics 6-72800 Removal and Installation of Hydraulic Components 8001 6-72811 Hydraulic Specifications, Troubleshooting, and Pressure Checks 8002 6-72821 Cleaning the Hydraulic System 6003 6-72830 Loader Conrtol Valve 8005 6-72850 Cylinders 8006 6-72861 Coupler Solenoid Locking Valve 8007 6-72870 Pilot Pressure Accumulator and Ride Control Accumulator 8013 6-72870	Transmission Control Valve	6007	6-72740
Removal and Installation of Brake Components70016-72760Hydraulic Brake Troubleshooting70026-72770Brake Accumulators70046-72780Parking Brake70086-72790Tab 8Colspan="2">Colspan="2"Colspa	Brakes	Tab 7	
Hydraulic Brake Troubleshooting70026-72770Brake Accumulators70046-72780Parking Brake70086-72790HydraulicsTab 8Section Index - Hydraulics6-72800Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Section Index - Brakes		6-72750
Brake Accumulators70046-72780Parking Brake70086-72790HydraulicsTab 8Section Index - Hydraulics6-72800Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72820Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Removal and Installation of Brake Components	7001	6-72760
Parking Brake70086-72790HydraulicsTab 8Section Index - Hydraulics6-72800Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72850Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Hydraulic Brake Troubleshooting	7002	6-72770
HydraulicsTab 8Section Index - Hydraulics6-72800Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Brake Accumulators	7004	6-72780
Section Index - Hydraulics6-72800Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Parking Brake	7008	6-72790
Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Hydraulics	Tab 8	
Removal and Installation of Hydraulic Components80016-72811Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Section Index - Hydraulics		6-72800
Hydraulic Specifications, Troubleshooting, and Pressure Checks80026-72821Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	-	8001	
Cleaning the Hydraulic System80036-72830Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	· · · ·	8002	6-72821
Loader Conrtol Valve80056-72850Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890		8003	6-72830
Cylinders80066-72861Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890			
Coupler Solenoid Locking Valve80076-72870Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	Cylinders		
Pilot Pressure Accumulator and Ride Control Accumulator80136-72890	•		
			6-72890

LW 110.B Wheel Loader Service Manual 6-72402

Table of Contents

Description	Section No.	Form No.
Mounted Equipment	Tab 9	
Section Index - Mounted Equipment		6-72910
Pedal and Levers	9001	6-72920
Air Conditioning Troubleshooting and System Checks For Systems with HFC-134a Refrigerant	9002	6-72930
Air Conditioner System Service	9003	6-72940
Removal and Installation of Air Conditioning and Heater Components	9004	6-72950
Loader	9006	6-72961
ROPS Cab and ROPS Canopy	9007	6-72970
Cab Glass Installation	9010	6-72980

Electrical Schematic Foldouts and Hydraulic Schematic Foldout

In Rear Pocket

6-72431

NOTE: New Holland Construction LLC reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

Thank you very much for your reading. **Please click here to buy** After you pay. Then, you can download the complete manual instantly. No waiting.