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INTRODUCTION

With correct maintenance and proper use, GEHL® skid loaders will give years of dependable service. This service manual is intended to be a guide in the assembly and disassembly, installation and removal, adjustment and testing, troubleshooting and replacement of components that together make up the GEHL SL5635 and SL6635 Series II skid loaders.

In many of the procedures found within, the installation steps are the exact opposite of the removal steps and vice versa, and therefore, the opposite procedure is not written. Instead, a note to reverse the procedure will be stated. This reduces redundancy and excessive pages in the manual. In cases though, where the assembly and disassembly or removal and installation procedures differ and additional steps or safety concerns are paramount, the entire reverse procedure will be written out to include the new information.

The Table of Contents and Index can be used to make the procedure you need to find an easier process. Also, there are black tabs extending off the pages highlighting the chapters for those who prefer to thumb through the manual. Many schematics, photographs, and line art drawings are used to help perform the necessary repairs, tests, or adjustments that the SL5635/6635 Series II skid loader needs to keep it in good running condition.

If you have any additional questions, please contact your authorized GEHL dealer or call the GEHL Service Department for assistance.

TABLE OF CONTENTS

Specifications	Page 1-1
Specifications	1-1
Tire Op tions	1-1
Buckets and Ca pac ities	1-1
General Specifications	1-2
Safety	Page 2-1
General Information	2-1
Signal Words	2-1
Ad di tional Safety Reminders	2-1
Man da tory Safety Shut down Pro ce dure	2-2
Liftarm Sup port De vice	2-3
Liftarm Sup port De vice En gage ment	2-3
Liftarm Sup port De vice Dis en gage ment	2-4
Roll over Pro tec tive Struc ture (ROPS) - Raising	2-4
Roll over Pro tec tive Struc ture (ROPS) - Lowering	2-5
Relieving Hy draulic Pres sure.	2-6
Loader Raising Pro ce dure	2-7
Loader Lowering Pro ce dure.	2-7
Lubrication	Page 3-1
General Information	3-1
Hy draulic Oil Res er voir	3-2
Crank case Oil.	3-2
Chaincases	3-3
Grease Fitting Lo ca tions	3-3

Mainframe Page 4-1

Introduction	4-1
Engine Access Cover Removal and Installation	4-2
Roll over Protective Structure (ROPS) Removal and Installation	4-3
Seat Removal and Installation	4-4
Seat Slide Replacement	4-4
Roll over Protective Structure (ROPS) Rear Window Removal and Installation	4-5
Restraint Bar Removal and Installation	4-7
Gehl All-Tach™ Attachment Removal and Installation	4-9
Liftarm Removal and Installation	4-10
Liftarm Bushing Replacement	4-13
Liftarm Stop Installation and Adjustment	4-14
Control Cover Removal and Installation	4-16
Floor Cover Removal and Installation	4-17
Fuel Level Sender Removal and Installation	4-18
Rear Grille Removal and Installation	4-19
Crossmember Removal and Installation	4-20

Wheel Drives Page 5-1

Introduction	5-1
Drive Chain Adjustment	5-2
Drive Chain Removal and Installation	5-3
Axle Housing Assembly Removal and Installation	5-5
Axle and Wheel Bearing Disassembly and Assembly	5-6
Idler Sprocket and Bearing Removal and Installation	5-8

Controls Page 6-1

Introduction	6-1
Control Handle Removal and Installation	6-4
Control Handle Position Adjustment	6-5
Control Handle Tracking Adjustment, Traction Controls	6-6
Left Control Handle Assembly - Single Speed Control Handles	6-7
Left Control Handle Assembly - Two-Speed Control Handles	6-10
Right Control Handle Assembly	6-12
Pivot Tube Removal and Installation - T-bar, Hand/Foot and Dual Hand Controls	6-19
Neutral Centering Device Adjustment	6-21
Control Arm Assembly Removal and Installation	6-22

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Lift/Tilt Control Removal and Installation	6-23
Lift/Tilt Control Adjustment	6-26
Auxiliary Hydraulics Cable Removal and Installation - T-bar and Dual Hand Controls	6-30
Auxiliary Hydraulics Cable Adjustment - T-bar and Dual Hand Controls	6-31
Auxiliary Hydraulics Linear Actuator Adjustment	6-33
Auxiliary Hydraulics Linear Actuator Removal and Installation - Hand/Foot Controls	6-34
Auxiliary Hydraulics Mechanical Cable Adjustment - Hand/foot Controls	6-35
Auxiliary Hydraulics Mechanical Cable Removal and Installation - Hand/foot Controls	6-36
Hand Throttle, Throttle Rod and Cable Removal and Installation - T-bar and Dual Hand Controls	6-38
Foot Throttle Removal and Installation - T-bar and Dual Hand Controls	6-39
Hand Throttle and Throttle Cable Removal and Installation - Hand/Foot Controls	6-40
Hand Throttle Adjustment - Hand/foot	6-41
Hand Throttle Tension Adjustment	6-42
Foot Throttle Adjustment - T-bar and Dual Hand Controls	6-43

Hydrostatic System

Page 7-1

Introduction	7-1
Troubleshooting Guide	7-3
Case Drain Test	7-7
Charge Pressure Test and Adjustment	7-9
Hydrostatic Pump Relief Valves	7-10
Hydrostatic Pump Removal and Installation	7-11
Hydrostatic Pump Drive Coupling Removal and Installation	7-12
Drive Motor Removal and Installation	7-13

Hydraulic System

Page 8-1

Introduction	8-1
Troubleshooting Guide	8-4
System Pressure Test, Control Valve and High Flow (DX models)	8-8
Tilt Cylinder Test	8-10
Self-Leveling Valve Test	8-12
Lift Cylinder Test	8-13
Solenoid Valve Test	8-15
Hydraulic Oil Filter Element Replacement	8-16
Tilt Cylinder Removal and Installation	8-24
Lift Cylinder Removal and Installation	8-26
Lift and Tilt Cylinder Disassembly and Assembly	8-28
Gear Pump Removal and Installation	8-30
Self-Leveling Valve Removal and Installation	8-32

Self-Leveling Valve Adjustment	8-34
Lift and Tilt Solenoid Valve - Removal and Installation.	8-35
Lift and Tilt Solenoid Valve - Disassembly and Assembly.	8-37
Control Valve Removal and Installation	8-38
High-Flow Manifold Valve Removal and Installation (DX models)	8-41
High-Flow Manifold Valve Disassembly and Assembly (DX models)	8-42
Pilot Valve Removal and Installation - Hand/foot Controls	8-43
Hydraulic System Schematic, SL5635/6635 SX	8-46
Hydraulic System Schematic, SL5635/6635 DX	8-47

Electrical System	Page 9-1
--------------------------	-----------------

Description of Operation	9-1
Troubleshooting Guide.	9-2
Glow Control Relay Operation	9-4
Relay Test.	9-4
Seat Switch Removal and Installation	9-6
Restraint Bar Switch Removal and Installation	9-7
Front Work Light Bulb Replacement	9-8
Rear Work Light Bulb Replacement	9-8
Electrical System Schematic	9-10

Engine	Page 10-1
---------------	------------------

Introduction	10-1
Troubleshooting Guide.	10-2
Oil Filter Element Removal and Installation	10-4
Air Cleaner Assembly Removal and Installation.	10-5
Air Filter Element Removal and Installation.	10-6
Battery and Battery Tray Removal and Installation	10-7
Starter Removal and Installation	10-8
Exhaust Assembly Removal and Installation	10-9
Fan Belt Adjustment	10-10
Hydraulic Oil Cooler Removal and Installation	10-12
Fan Shroud Removal and Installation	10-13
Fan Shroud Adjustment	10-14
Engine Removal and Installation	10-15

Index

SPECIFICATIONS

	5635SX	5635SXT/DXT	6635SXT/DXT
Make of Engine	Deutz	Deutz (Turbo)	Deutz (Turbo)
Model	F4M1011F	BF4M1011F	BF4M1011F
Fuel	Diesel	Diesel	Diesel
Displacement	178 CID (2,9 L)	178 CID (2,9 L)	178 CID (2,9 L)
Horsepower	60 hp (44,8 kW) @ 2650 rpm	80 hp (58 kW) @ 2650 rpm	80 hp (58 kW) @ 2650 rpm
Horse power - Net (ISO 9249)	56 hp (41,8 kW) @ 2500 rpm	75 hp (56 kW) @ 2500 rpm	75 hp (56 kW) @ 2500 rpm
Torque - Maximum	130 ft-lbs (176 N•m) @ 1800 rpm	176 ft-lbs (239 N•m) @ 1800 rpm	176 ft-lbs (239 N•m) @ 1800 rpm
*SAE-Rated Operating Load	1900 lbs (862 kg)	1900 lbs (862 kg)	2350 lbs (1066 kg)
Operating Weight	7170 lbs (3252 kg)	7170 lbs (3252 kg)	7530 lbs (3416 kg)
Shipping Weight	5925 lbs (2688 kg)	5925 lbs (2688 kg)	6250 lbs (2835 kg)
Capacities: Fuel Tank	19 US gal (72 L)	19 US gal (72 L)	24 US gal (91 L)

Specifications below apply to all 5635 and 6635 Series II models

Capacities	
Hydraulic Reservoir	16 US gal (60,5 L)
Chaincases (each)	8 US quarts (7,6 L)
Engine Oil	10.5 US quarts (10 L)
Electrical	
Battery	12 volt DC with 950 CCA
Starter	12 volt DC (2,3 kW)
Alternator	55 A
Hydraulic System	
Main Hydraulic System Pressure	3000 psi (207 bar)
High-Flow Hydraulic System Pressure	2900 psi (200 bar)
Standard Flow Rate (Single)	23 gpm (87 L/min)
High-Flow Rate (Dual - DX models)	36 gpm (136 L/min)
Travel Speed - Single Speed	0 to 8.5 mph (0 to 13,7 km/h)
Travel Speed - Two-Speed Option	0 to 12.5 mph (0 to 20,1 km/h)

Tire Options	
12 x 16.5 - 10 ply	Heavy Duty Flo tation tires
14 x 17.5 - 12 ply	High Clearance Flo tation tires
33 x 15.5 x 16.5 - 12 ply	Extra Wide Heavy Duty tires
8 x 16	Solid Rubber tires
10 x 31	Solid Rubber tires
10 x 33	Solid Rubber tires
8.25 x 15	AirBoss Segmented Industrial tires
12 x 16.5	AirBoss Segmented Flo tation tires

Buckets and Capacities			
Width - inches (millimeters)	Bucket Description	Capacity (Heaped)	
68 inches (1727 mm)	Dirt/Construction	15.0 cubic feet	0,42 cubic meters
68 inches (1727 mm)	Utility	19.0 cubic feet	0,54 cubic meters
72 inches (1829 mm)	Dirt/Construction	20.4 cubic feet	0,58 cubic meters
72 inches (1829 mm)	Utility	27.0 cubic feet	0,77 cubic meters
72 inches (1829 mm)	Utility/Snow	32.1 cubic feet	0,91 cubic meters
90 inches (2286 mm)	Snow	41.3 cubic feet	1,17 cubic meters

*Operating load rated with a 68 inch (1727 mm) dirt/construction bucket in accordance with SAE J818.