

# INTRODUCTION

With correct maintenance and work limits, this Skid Loader will give years of dependable service. This shop 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 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 rewritten. A note to reverse the procedure will be stated. This reduces redundancy in carbon copy procedures 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 opposite procedure will be written out to include the new information.

A 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 Skid Loader needs to keep it in running order.

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

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# SPECIFICATIONS

**Gehl Skid Loader Models:**      **5635SX/DX**                      **5635SXT/DXT**                      **6635SXT/DXT**

**Engine:**

Make.....Deutz ..... Deutz (Turbo) ..... Deutz (Turbo)  
 Model.....F4M1011F ..... BF4M1011F ..... BF4M1011F  
 Fuel ..... Diesel ..... Diesel ..... Diesel  
 Displacement.....178 CID (2.9L)..... 178 CID (2.9L)..... 178 CID (2.9L)  
 Horsepower-Gross ..... SAE 60hp (45kW)@2650rpm ... SAE 80hp (60kW)@2650rpm....SAE 80hp (60kW)@2650rpm  
 Torque - Max. .... 130 ft/lbs (176Nm)@1800rpm .. 176 ft/lbs (239Nm)@1800rpm .. 176 ft/lbs (239Nm)@1800rpm  
**\*SAE Operating Capacity:**..... 1800 lbs (816 Kg)..... 1800 lbs (816 Kg) ..... 2300 lbs (1043 Kg)  
**Operating Weight:**..... 6960 lbs (3168 Kg) ..... 6960 lbs (3168 Kg) ..... 7365 lbs (3341 Kg)  
**Shipping Weight:** ..... 5790 lbs (2626 Kg) ..... 5790 lbs (2626 Kg)..... 6090 lbs (2765 Kg)  
**Capacities:**  
 Fuel Tank: ..... 19 Gallons (72 liters)..... 19 Gallons (72 liters) ..... 24 Gallons (91 liters)

**SPECIFICATIONS BELOW APPLY TO ALL 5635/6635 MODELS**

**Capacities:**

Hydraulic Reservoir..... 16 Gallons (60.5 liters)  
 Chaincases: ..... 2 Gallons (7.6 liters) each  
 Engine Crankcase: ..... 10.5 Quarts (10 liters)

**Electrical :**

Battery ..... 12 Volt DC with 950 CCA  
 Starter ..... 12 Volt DC (2.2 kW)  
 Alternator..... 14 Volt - 55 amp

**Flow Rates:**

Hydraulic System Pump:  
 Standard..... 20 gpm (76 l/m)@2750psi  
 High Flow (DX Models)..... 33 gpm (129 l/m)@2650psi

**Travel Speed:**

..... 0 to 8.5 mph (0 to 13.7 kph)

\*Operating capacity rated with 68" (1727cm) wide Dirt/Construction Bucket, 12 x 16.5 Tires and 175 lb (79 kg) operator in accordance with SAE J818.

>> **SL5635/6635 Skid Loader Specifications with Optional Sound Package** <<

**Sound Power Level (Environmental):** ..... 104 dB(A)

**Tire Options**

- Flotation Tire Set - 12 x 16.5 6-ply
- Heavy Duty Flotation Tire Set - 12 x 16.5 10-ply
- High Clearance Flotation Tire Set - 14.5 x 17 10-ply
- Chevron Tire Set - 8.25 x 15 6-ply
- Solid Rubber Tire Set - 8 x 16
- AirBoss Segmented Industrial Tire Set - 8.25 x 15
- AirBoss Segmented Flotation Tire Set - 12 x 16.5
- Extra Wide HD Tire Set - 33/15.50 x 16.5 12-ply

**Buckets & Capacities**

Width in(mm)	Bucket Description	Capacity (Heaped)	
		cu ft	cu m
68 (1727)	Dirt/Construction	15	.42
68 (1727)	Dirt/Construction	19	.54
72 (1829)	Dirt/Construction	20	.57
72 (1829)	Utility	23.5	.67
80 (2032)	Snow	30	.84
90 (2286)	Snow	41	1.16