

GEHL®

Form No.
918038
Revision E
Oct. 2008

Model 303

Compact Excavator

Serial Number Range

Engine Tier I Models: AD00001 to AD01819

Engine Tier II Models: AD01820 to AE02400



Parts Manual

INTRODUCTION

When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number. For your safety and continued proper operation, use only genuine GEHL service parts.

The model and serial number for this unit are on a tag located on a panel on the front of the cab.

“Right” and “left” are determined from a position sitting on the operator’s seat and facing forward.

GEHL Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for special parts descriptions. Standard attaching hardware torque values are also provided near the back of this manual. Metric torque values shown in the illustrations are in Newton-meters and are converted to foot-pounds by multiplying by 0.738.

Specific reference numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers between 1000 and 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

Serial number exceptions and inclusion are indicated as follows:

- (SN 999 and before except 997) - indicates serial numbers up to and including 999, EXCEPT 997.
- (SN 1000 - 2000 except 1996 including 997) - indicates serial numbers between 1000 and 2000, INCLUDING 997 EXCEPT 1996.
- (SN 2001 and up including 1996) - indicates serial numbers including 2001 and after, INCLUDING 1996.

Unless otherwise specified, all cap screws and bolts are Grade 8.8, cadmium or zinc plated.

NOTE: *The following abbreviations may be used herein:*

ASSD	Assembled
ASSY	Assembly
AR	As Required
CB	Carriage Bolt
CP	Cotter Pin
CS	Cap Screw (Hexagon Head)
CYL	Cylinder
DIA	Diameter
DIN	Deutsches Institut für Normung (German Institute for Standardization)
FHCS	Flat Head Cap Screw
GR	Grade
HB	Hexagon Bolt
HLN	Hexagon Lock Nut
HN	Hexagon Nut
HP	High Pressure
HYD	Hydraulic
INS	Insert
LH	Left Hand
LN	Lock Nut
LT	Left
LW	Lock Washer
M	Meter or Meters
MM/mm	Millimeter
MTG	Mounting
NPT	National Pipe Threaded
NSS	Not Sold Separately
RH	Right Hand
RT	Right
SHCS	Socket Head Cap Screw
SLTD	Slotted
SN	Serial Number or Slotted Nut
SQ	Square
W/	With
W/O	Without
ZO	Zinc Oxide
ZY	Zinc Yellow
	Measurement Required

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DECAL LOCATIONS

GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted. The listing includes decal illustration reference number, part number, description and quantity information. Refer to the illustrations for appropriate replacement locations.

To ensure proper selection of the correct replacement decals, compare all of the various closeup location drawings to the machine before starting to

refinish the unit. Then circle each decal shown (applicable to the machine) while checking off its part number in the listing. After verifying all the decals needed for replacement, place any extra unnecessary decals aside for disposal.

NOTE: *Refer to the SAFETY chapter of the Operator's Manual for the specific information provided on the various safety decals furnished in the decal kit(s).*

DECAL LOCATIONS

NEW DECAL APPLICATION

Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out the decal surface.



CAUTION

ALWAYS follow safety precautions on decals. Replace the decals if they are damaged, or if the unit is repainted. If repainting, **BE SURE** all applicable decals are affixed to the unit.

PAINT NOTICE

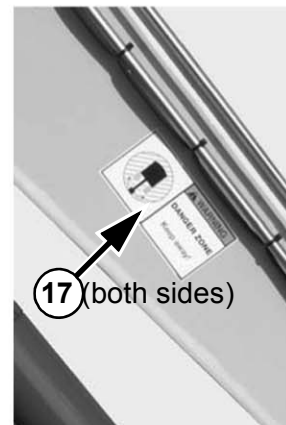
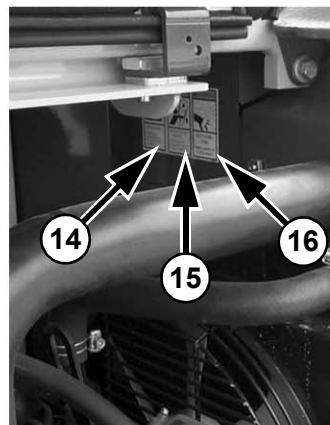
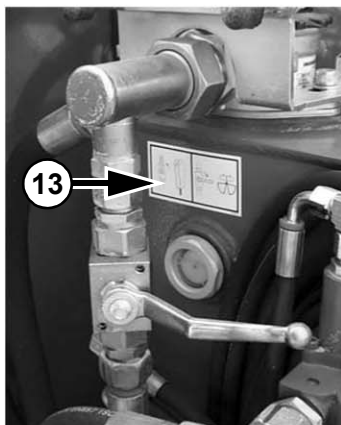
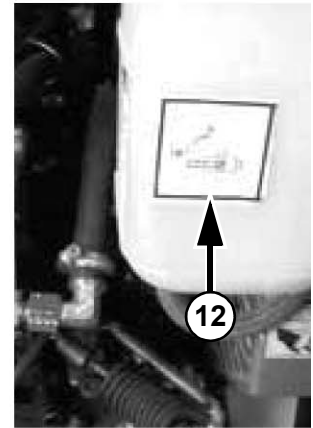
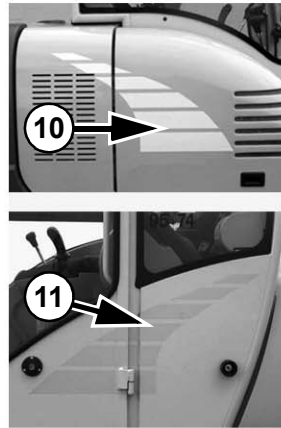
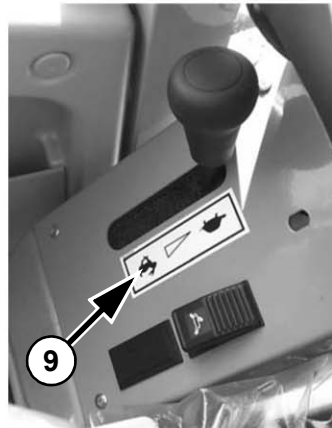
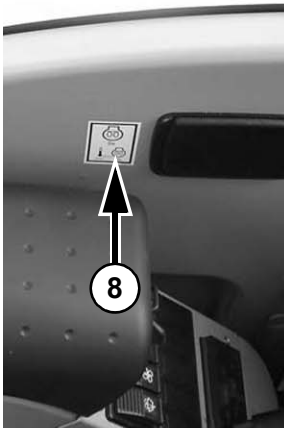
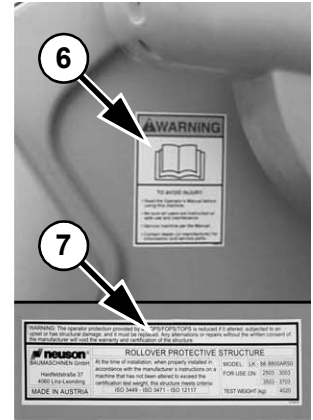
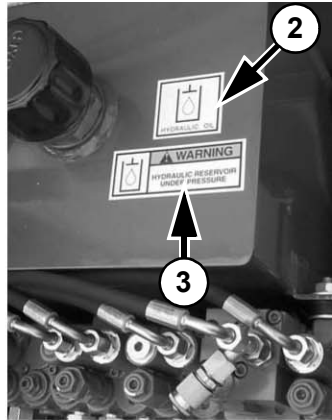
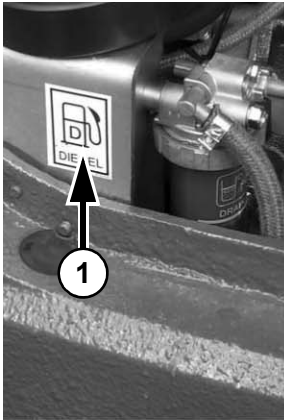
Use this list to order paint for refinishing:

167788	4 qts. Construction Yellow (GEHL)
167780	4 qts. Light Gray (GEHL)
167774	4 qts. Dark Gray (GEHL)
167789	6 (12.8 oz. Spray Cans) Yellow (GEHL)
167775	6 (12.8 oz. Spray Cans) Dark Gray (GEHL)
167781	6 (12.8 oz. Spray Cans) Light Gray (GEHL)

The Compact Excavator decal kit is as follows:

Ref. No.	Part No.	Description	Qty.
	163985	Decal Kit - 303	1
1	161965	Diesel Fuel	1
2	161966	Hydraulic Oil	1
3	161969	WARNING - Hydraulic Reservoir	1
4	164854	WARNING - Avoid Injury	1
5	161967	Lubrication	1
6	161986	WARNING - Read Manual	1
7	165909	WARNING - Rollover Protection	1
8	165906	Glow Plug	1
9	163974	Throttle Speed	1
10	163993	Graphic RT	1
11	165907	Graphic LT	1
12	161968	Heater Valve (cab models only)	1
13	179730	Bypass Ball Valve	1
14	163978	WARNING - Hot Surface	1
15	163977	WARNING - Entanglement Hazard	1
16	161987	WARNING - Rotating Fan	1
17	161985	WARNING - Keep Away	2
18	164853	Engine Compartment Latch	1
19	162832	Hydraulics Compartment Latch	1
20	163979	ISO/SAE Valve Position	1
21	203796	303 Lifting Capacity	1
22	161981	Lift Point	4
23	161982	Tiedown Point	4
24	161970	Arrow	2
25	163975	WARNING - Avoid Injury	2
26	179704	WARNING - Counterweight	2
27	163973	WARNING - Mandatory Shutdown	1
28	163976	WARNING - Avoid Injury	1
29	162452	Joystick Control RT	1
30	162450	Travel LT	1
31	162451	Travel RT	1
32	162453	Joystick Control LT	1
33	179687	Dozer Blade Control	1
34	184306	GEHL (4.75" x 20.16")	1
35	183963	GEHL (3.75" x 16")	2
36	164988	303	2
37	184043	GEHL (white / 3.75" x 16" / cab models)	1
	104833	GEHL (white / 2" x 8.5" / canopy models)	1

DECAL LOCATIONS



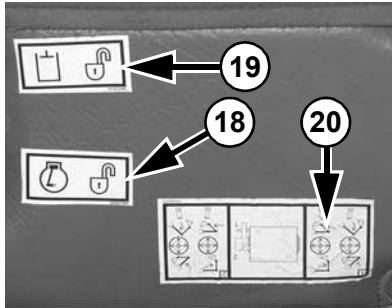
DECAL LOCATIONS

NOTE: The following is a duplicate listing from page 4 for conveniently selecting decals from the appropriate illustrations.

The Compact Excavator decal kit is as follows:

Ref. No.	Part No.	Description	Qty.
	163985	Decal Kit - 303	1
1	161965	Diesel Fuel	1
2	161966	Hydraulic Oil	1
3	161969	WARNING - Hydraulic Reservoir	1
4	164854	WARNING - Avoid Injury	1
5	161967	Lubrication	1
6	161986	WARNING - Read Manual	1
7	165909	WARNING - Rollover Protection	1
8	165906	Glow Plug	1
9	163974	Throttle Speed	1
10	163993	Graphic RT	1
11	165907	Graphic LT	1
12	161968	Heater Valve (cab models only)	1
13	179730	Bypass Ball Valve	1
14	163978	WARNING - Hot Surface	1
15	163977	WARNING - Entanglement Hazard	1
16	161987	WARNING - Rotating Fan	1
17	161985	WARNING - Keep Away	2
18	164853	Engine Compartment Latch	1
19	162832	Hydraulics Compartment Latch	1
20	163979	ISO/SAE Valve Position	1
21	203796	303 Lifting Capacity	1
22	161981	Lift Point	4
23	161982	Tiedown Point	4
24	161970	Arrow	2
25	163975	WARNING - Avoid Injury	2
26	179704	WARNING - Counterweight	2
27	163973	WARNING - Mandatory Shutdown	1
28	163976	WARNING - Avoid Injury	1
29	162452	Joystick Control RT	1
30	162450	Travel LT	1
31	162451	Travel RT	1
32	162453	Joystick Control LT	1
33	179687	Dozer Blade Control	1
34	184306	GEHL (4.75" x 20.16")	1
35	183963	GEHL (3.75" x 16")	2
36	164988	303	2
37	184043	GEHL (white / 3.75" x 16" / cab models)	1
	104833	GEHL (white / 2" x 8.5" / canopy models)	1

DECAL LOCATIONS



303
ME3003

LIFTING CAPACITY ISO 10567

	11.5t	9.8t	8.2t	6.0t
1.5m	1676	1503	1508	1287
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99.5m	1676	1503	1508	1287
100.0m	1676	1503	1508	1287

AUXILIARY HYDRAULIC FLOW AND PRESSURE

	174	218	263	303	353	403	453	503	553	603	653	703	753	803	853	903	953	1003	1053	1103	1153	1203	1253	1303	1353	1403	1453	1503	1553	1603	1653	1703	1753	1803	1853	1903	1953	2003	2053	2103	2153	2203	2253	2303	2353	2403	2453	2503	2553	2603	2653	2703	2753	2803	2853	2903	2953	3003	3053	3103	315
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NOTES

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