

GEHL®

Form No.
909878
Revision B
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Model 418

Wheel Loader



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
ASY.....	Assembly
ASSY.....	Assembly
AR.....	As Required
CB.....	Carriage Bolt
CP.....	Cotter Pin
CS.....	Cap Screw (Hexagon Head)
CYL.....	Cylinder
DIA.....	Diameter
FHCS.....	Flat Head Cap Screw
GR.....	Grade
HB.....	Hex Bolt
HLN.....	Hex Lock Nut
HN.....	Hex 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
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
	Measurement Required

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NOTES

DECALS

GENERAL INFORMATION

Decal 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. Refer to the listing for the part number, description and quantity of each decal provided in the kit.

To ensure proper selection of the correct replacement decals, compare all of the various drawings to your machine before starting to refinish the unit. Then circle each decal shown (applicable to your machine) while checking off its part number in the listing. After you have verified 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 all of the various safety decals furnished in the decal kit(s).

NEW DECAL APPLICATION

If there is a decal on a part that is to be replaced, be sure that the decal is applied to the replacement part. 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 your unit.

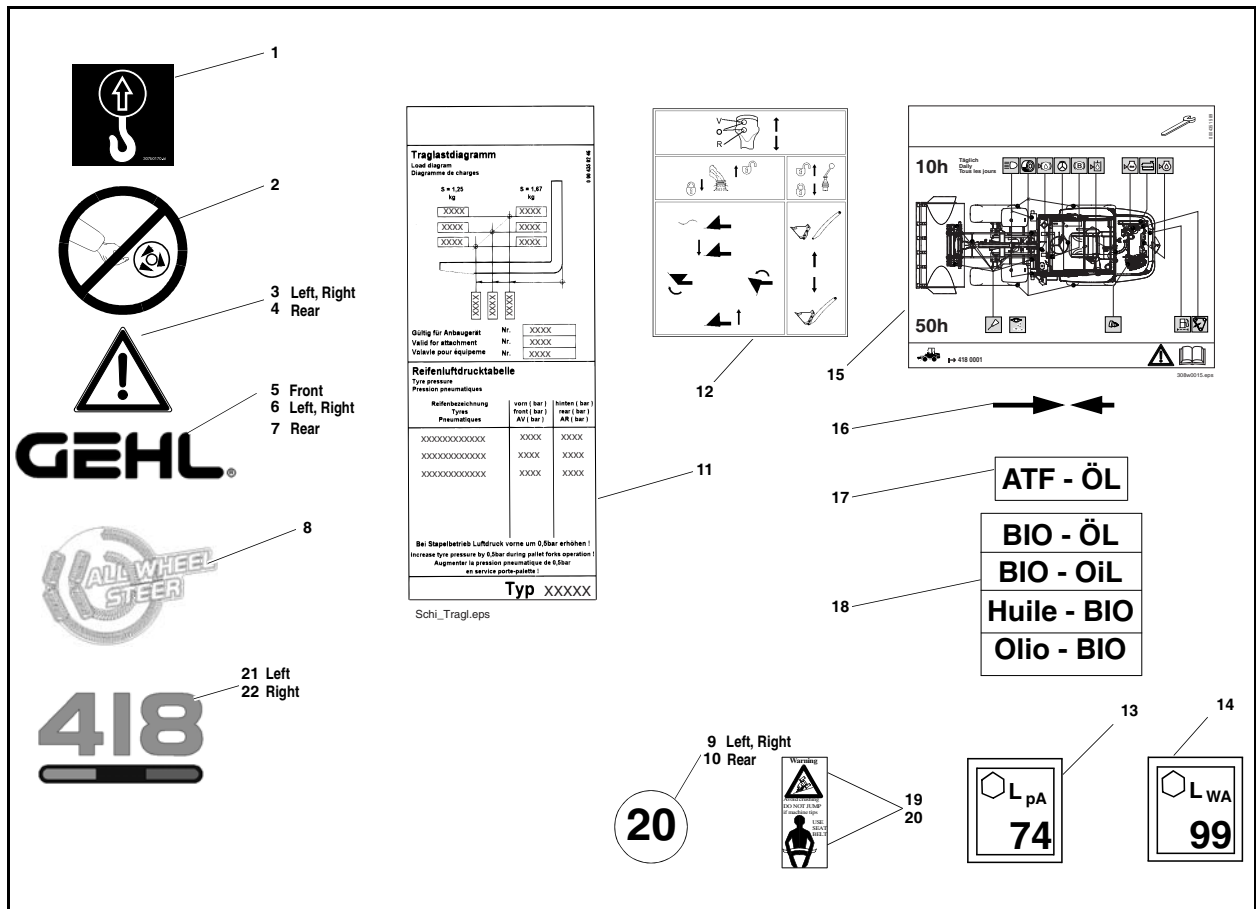
PAINT NOTICE

Use this list to order paint for refinishing:

167768	4 qts. AWS Yellow (GEHL)
167758	4 qts. Charcoal Gray (GEHL)
167774	4 qts. Dark Gray (GEHL)
167769	6 (12.8 oz. Spray Cans) AWS Yellow (GEHL)
167775	6 (12.8 oz. Spray Cans) Dark Gray (GEHL)
167760	6 (12.8 oz. Spray Cans) Charcoal Gray (GEHL)

Decals for model 418 All-Wheel-Steer Loader are listed on the following page.

DECALS

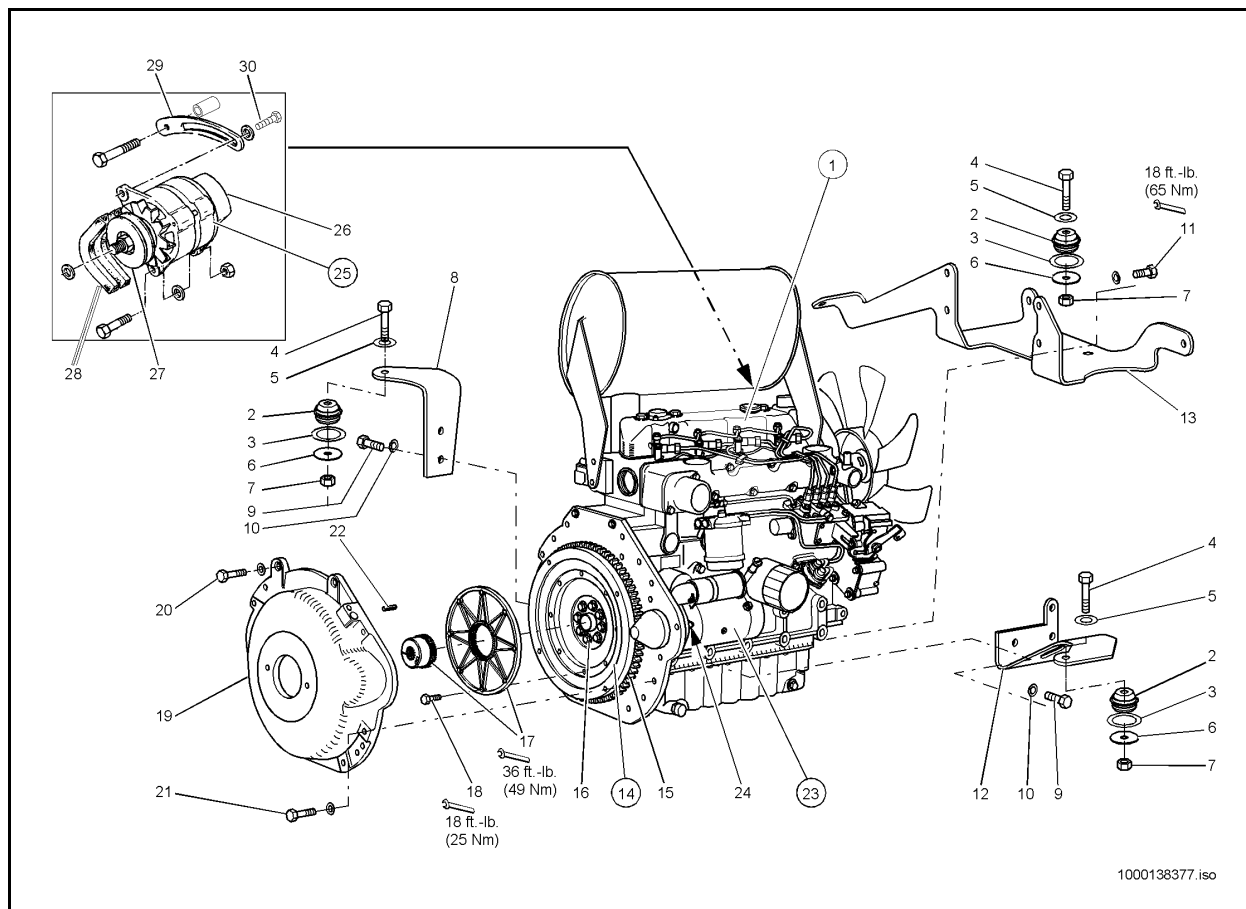


Ref. No.	Part No.	Description
1	1004357032	LABEL
2	0004355633	WARNING LABEL
3	0004355833	WARNING LABEL
4	0004355533	WARNING LABEL
5	139728	DECAL/GEHL 3.75 X 17.69
6	139732	DECAL/GEHL 6.25 X 29.48
7	139723	DECAL/GEHL 418 REARCOVER
8	139778	DECAL/ALL-WHEEL STEER
9	0004351529	LABEL 20 KM/H
10	0004353329	LABEL 20 KM/H
11	0004350346	LOAD DIAGRAM (PALLET FORKS)

Ref. No.	Part No.	Description
12	0004357434	LABEL
13	0004350237	INFORMATION LABEL
14	1004357433	INFORMATION LABEL
15	0004351589	MAINTENANCE SCHEDULE
16	0004351144	MARK
17	0004357527	LABEL ATF-OL
18	0004351536	INFO LABEL (BIODEGRADABLE OIL)
19	0004359734	WARNING LABEL USA
20	0004359834	WARNING LABEL USA
21	139722	DECAL/SIDE PANEL 418 LT
22	139717	DECAL/SIDE PANEL 418 RT

418 - ENGINE MOUNTS

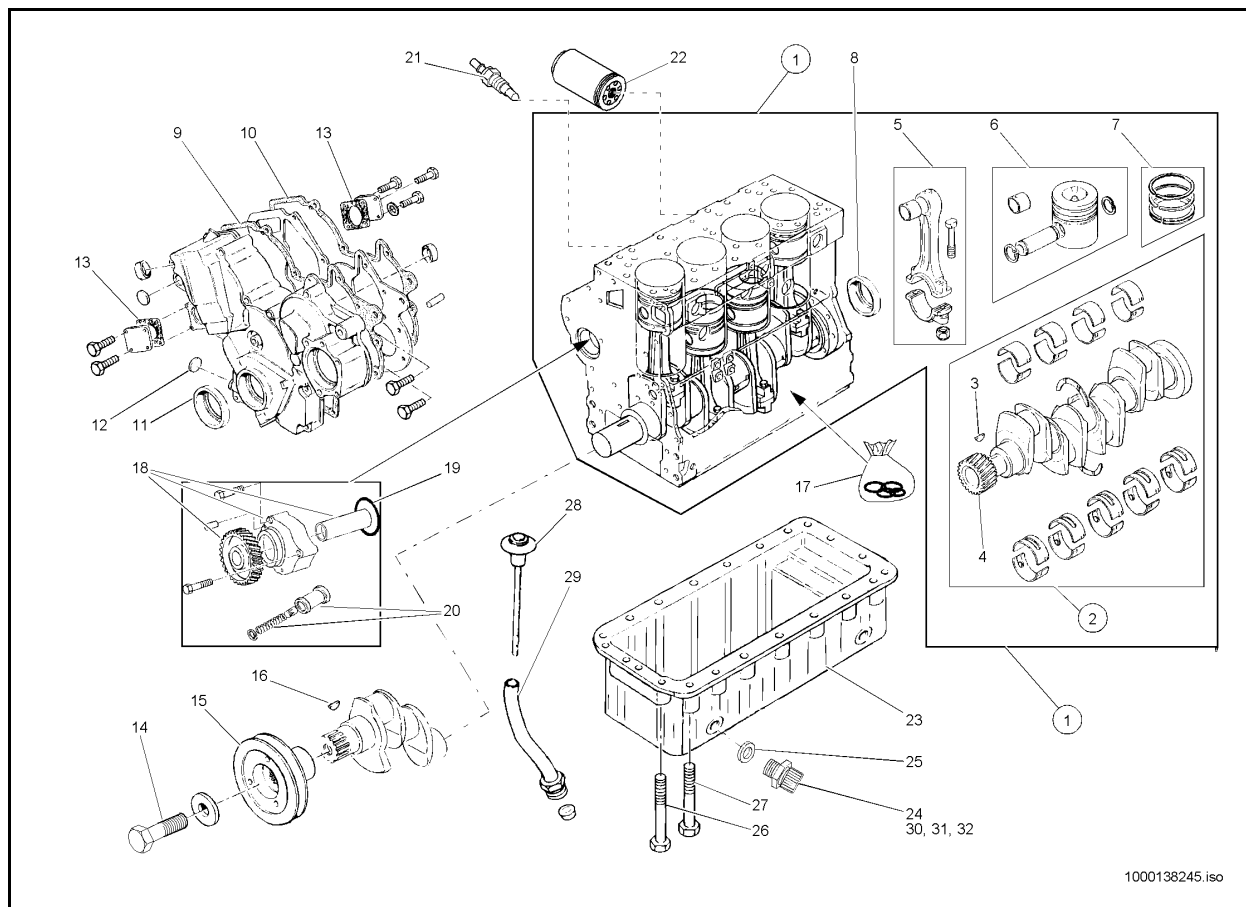
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	0260100103	ENGINE COMPLETE	1	16	204539	SCREW	8
2	0009935184	ISO MOUNT	3	17	0160110003	CLUTCH	1
3	0009934463	WASHER	3	18	651516	SHCS M8-1.25X25 C8.8 ZY	8
4	7234677175	HEX SCREW M16X80-8.8 A2C	3	19	0160110004	HOUSING	1
5	7451680116	WASHER B17-140HV A2C	3	20	651475	SHCS M10-1.25X30 F8.8 ZY	6
6	0009939764	WASHER	3	21	7252677086	SHCS M 10X45-8.8 A2C	2
7	651451	HLN INS M16-2.0 ZO	3	22	7514682237	STRAIGHT PIN	2
8	0160120051	ENGINE SUPPORT	1	23	0000805761	STARTER	1
9	7236677951	HEX SCREW M14X30-8.8 A2C	5	24	0000803785	SCREW	3
10	0009924428	SPRING WASHER VSK 14	5	25	0000805760	ALTERNATOR	1
11	179757	SCREW	4	26	0000805759	GOVERNOR	1
12	0160120052	ENGINE SUPPORT	1	27	0000805758	BELT PULLEY	1
13	0160120151	ENGINE SUPPORT	1	28	0000805746	V-BELT	1
14	204537	FLYWHEEL (INCL. REF 15)	1	29	0000805800	BRACKET	1
15	0000805764	RING GEAR	1	30	204538	SCREW	1

418 - ENGINE BLOCK

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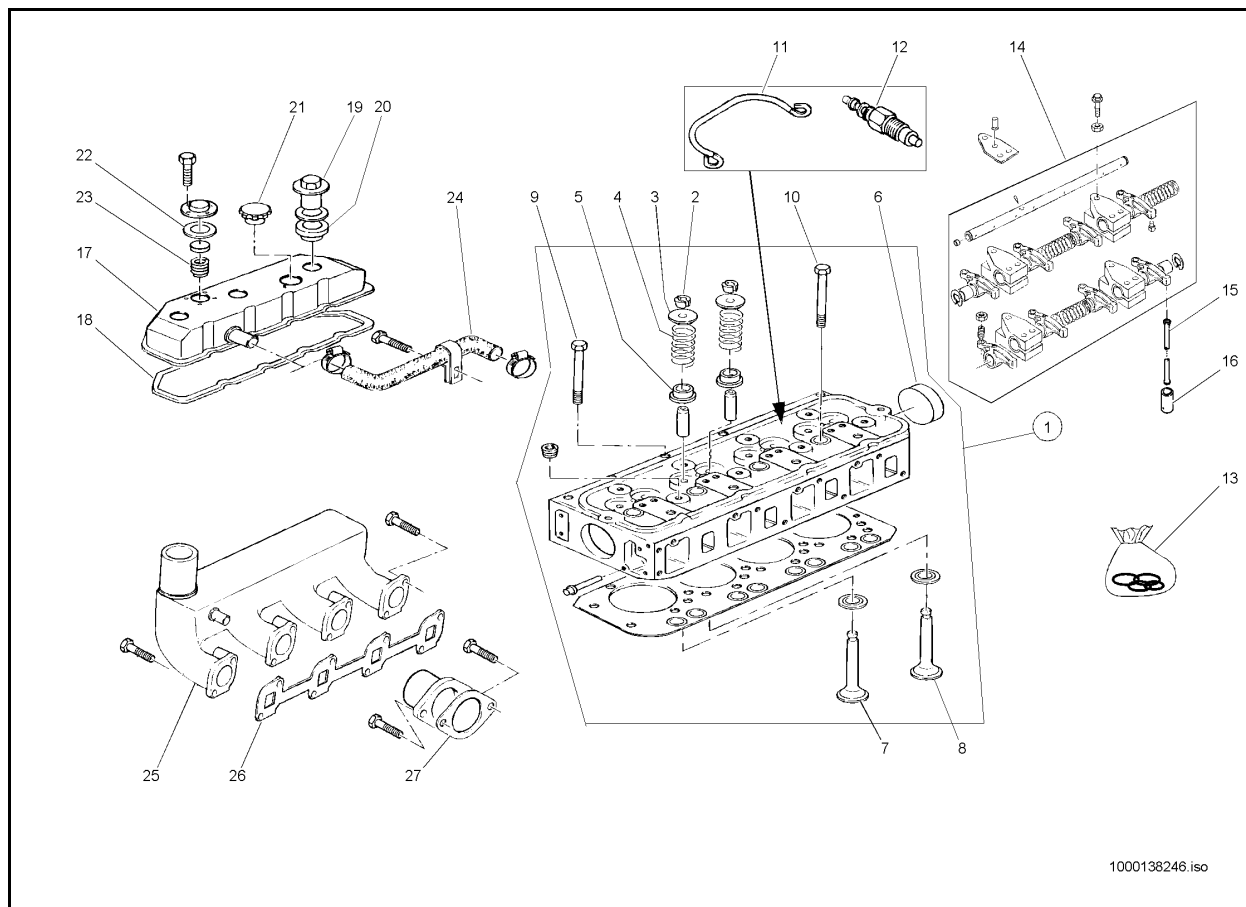


Ref. No.	Part No.	Description	Qty.
1	204540	ENGINE BLOCK	1
2	204541	CRANKSHAFT SET	1
3	204546	WOODRUFF KEY	1
4	204542	GEAR	1
5	204543	CONNECTING ROD SET	4
6	204521	PISTON SET	
	0000805839	PISTON SET (OVERSIZE)	4
7	204544	PISTON RING SET	4
	0000805831	PISTON RING SET (OVERSIZE)	4
8	0000805741	ROTARY SHAFT SEAL	1
9	0000805819	SEAL	1
10	0000806075	SEAL	1
11	0000805740	ROTARY SHAFT SEAL	1
12	0000805743	PLUG	3
13	0000805815	SEAL	2
14	204545	SCREW	1
15	0000805763	BELT PULLEY	1
16	204546	WOODRUFF KEY	1

Ref. No.	Part No.	Description	Qty.
17	0000805837	SEALING KIT ENGINE BLOCK (SEAL KIT)	1
18	0000805824	OIL PUMP	1
19	0000805737	O-RING	1
20	0000805826	VALVE	1
21	0000800012	PRESSURE SWITCH	1
22	0000805472	OIL FILTER	1
23	204547	OIL PAN	1
24	0003631269	OIL DRAIN VALVE	1
25	7593641030	SEALING RING A 20X24	1
26	204548	SCREW	2
27	204549	SCREW	22
28	0000805774	OIL DIPSTICK	1
29	0000806076	PIPE	1
30	0000110003	DRAIN COUPLING	1
31	0003652009	HOSE DN 20 LG 300	1
32	0009931651	CLAMP 17/8	1

418 - CYLINDER HEAD

1000138246



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	0000805845	CYLINDER HEAD COMPLETE	1	15	204556	PUSH ROD	8
2	204550	KEY	16	16	204557	VALVE TAPPET	8
3	204551	SPRING CAP	8	17	0000805821	CYLINDER-HEAD COVER	1
4	0000805773	SPRING	8	18	0000805473	GASKET	1
5	0000805833	SEALING RING	8	19	0000805783	NUT	3
6	204552	LOCK PLUG	2	20	204558	SEAL RING	3
7	0000805766	EXHAUST VALVE	4	21	0000805789	COVER	1
8	204553	INTAKE VALVE	4	22	0000805820	SEALING RING	1
9	0000805776	SCREW	14	23	0000805772	SPRING	1
10	0000805779	SCREW	4	24	0000805791	HOSE	1
11	204554	CABLE	3	25	0000805825	INTAKE MANIFOLD	1
12	0000805755	GLOW PLUG	4	26	0000805809	GASKET	1
13	0000805840	SEALING KIT CYLINDER HEAD	1	27	0000805814	* SEAL (DISCONTINUE)	1
14	204555	ROCKER ARM SET	1				

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