

# KOHLER ENGINES Service Parts List

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**Material No:** EK64719 - CH20S GARDNER-TERRAMITE BACKHOE

**Plant:** Kohler

**BOM Valid From Date:** 02/11/2009

*Quantities greater than one are shown in parentheses following the part description*

## CRANKSHAFT GROUPING

CRANKSHAFT 24 014 34-S  
PLUG, CUP 52 139 09-S

## CRANKCASE GROUPING

SEAL, OIL (HELIX LIP) 24 032 19-S  
USE 24 380 16-S PIN (6) 24 380 13-S  
PLUG, CUP 52 139 09-S  
KIT, CAMSHAFT 24 012 10-S  
PLUG, SQ HD PIPE 3/8" 25 139 57-S  
PLUG, SQ HD PIPE 3/8" 25 139 57-S  
RETAINER, RING 24 018 09-S  
SHAFT, GOVERNOR CROSS 24 144 38-S  
WASHER, FLAT 11/32" 24 468 15-S  
SEAL, GOVERNOR CROSS SHAFT 28 032 09-S  
WASHER, FLAT 9 MM M-931010-S  
RETAINER, PISTON PIN (4) 24 018 01-S  
KIT, PISTON W/RING SET (STD) (2) 24 874 38-S  
KIT, PISTON W/RING SET (.08) (2) 24 874 39-S  
CONNECTING ROD (STD) (2) 24 067 24-S  
CONNECTING ROD (.25) (2) 24 067 25-S  
RING SET (STD) 24 108 22-S  
RETAINER, PISTON PIN (2) 24 018 01-S  
KIT, PISTON ASSEMBLY W/RING SET(0.25,77M 24 874 48-S  
RETAINER, PISTON PIN (2) 24 018 01-S  
KIT,PISTON W/RING SET (0.5), 77MM 24 874 49-S

## LUBRICATION GROUPING

USE 24 009 150-S CLOSURE PLATE 24 009 82-S  
SCREW, FLG M8X1.25X45 (10) 24 086 17-S  
O-RING 24 153 08-S  
SEAL, OIL 25 032 06-S  
PLUG, CTSK PIPE 1/8" 25 139 60-S  
CONNECTOR, 90° HOSE 25 155 02-S  
SHAFT, GOVERNOR GEAR 12 144 02-S  
PIN, GOVERNOR REGULATING 12 380 01-S  
KIT, GOVERNOR GEAR W/PIN 24 043 12-S  
TAB, LOCKING 24 448 02-S  
O-RING, OIL PICK-UP 24 153 01-S  
PICK-UP, OIL 24 381 04-S  
KIT, OIL PICK-UP TUBE 82 755 29-S  
KIT, OIL PUMP ASSEMBLY 24 393 51-S  
USE 24 393 51-S KIT 24 393 37-S  
WASHER, FLAT 6 MM (2) M-631005-S  
SCREW, FLG THD FRM M6X1.0X25 (2) M-645025-S  
DIPSTICK 24 038 10-S  
FILTER, OIL 12 050 01-S

NIPPLE, OIL FILTER	24 136 01-S
SWITCH, OIL PRESSURE	25 099 27-S
KIT, DIPSTICK/DIPSTICK TUBES	24 755 121-S
CLOSURE PLATE ASSEMBLY	24 009 150-S

### CYLINDER HEAD, VALVE, BREATHER GROUPING

SCREW, FLG M10X1.5X90 (8)	12 086 16-S
KIT, CYLINDER HEAD GASKET (2)	24 841 01-S
VALVE, INTAKE (STD) (2)	24 017 01-S
SEAL, VALVE STEM (2)	66 032 05-S
VALVE, EXHAUST (STD) (2)	24 016 01-S
RETAINER, SPRING (4)	235011-S
KIT, RETAINER (8)	12 755 03-S
CAP, VALVE SPRING (4)	12 173 01-S
SPRING, VALVE (4)	24 089 02-S
ROD, PUSH (4)	24 411 05-S
PIVOT, ROCKER ARM (4)	24 599 02-S
ARM, ROCKER (4)	25 186 01-S
KIT, HYDRAULIC VALVE LIFTER (4)	25 351 04-S
SCREW, FLG M6X1.0X34 (4)	M-640034-S
KIT, OIL FILL CAP (BLACK)	25 755 13-S
KIT, VALVE COVER-OIL FILL	24 755 140-S
KIT, VALVE COVER-PLAIN	24 755 141-S
O-RING, VALVE COVER (2)	24 153 30-S
O-RING, DIPSTICK	25 153 02-S
STRAP, LIFTING	25 445 01-S
SCREW, FLG M6X1.0X30 (8)	M-651030-S
FILTER, BREATHER	24 050 11-S
REED, BREATHER	24 402 03-S
RETAINER, REED	66 018 04-S
SCREW, FLG THD FRM M5X.8X10	M-545010-S
GASKET, BREATHER	24 041 64-S
KIT, BREATHER COVER	24 096 86-S
HOSE, BREATHER	24 326 89-S
CLAMP, BAND SPRING HOSE	25 237 08-S
SCREW, FLG THD FRM M6X1.0X20 (4)	M-645020-S
VALVE, EXHAUST (.25) (2)	24 016 02-S
VALVE, INTAKE (.25) (2)	24 017 02-S
KIT, BREATHER ASSEMBLY	24 033 01-S
KIT, #1 CYLINDER HEAD ASSEMBLY	24 318 107-S
KIT, #2 CYLINDER HEAD ASSEMBLY	24 318 115-S
KIT, CYLINDER HEAD HARDWARE (2)	24 755 147-S
KIT, VALVE TRAIN	24 755 66-S

### IGNITION/CHARGING GROUP

PLUG, SPARK (STD) (2)	12 132 02-S
KIT, 25 AMP STATOR ASSY.	28 085 02-S
CONNECTOR	SAME
CONNECTOR	25 155 41-S
SCREW, THD FROM M5X0.8X30 (2)	M-545030-S
SCREW, FLG M10X1.5X45	12 086 14-S
WASHER, FLAT 13/32"	12 468 03-S
FLYWHEEL	24 025 55-S
KEY, 3/16" X 5/8"	X-42-15-S
FAN	24 157 11-S
SCREEN, GRASS	24 162 43-S
SCREW, SEMS DOG POINT (4)	25 086 126-S
BOLT, SHOULDER (4)	25 086 47-S
KIT, MODULE IGNTN (CDI FIXED) (2)	24 584 45-S
SCREW, FLG THD FRM M5X.8X20 (4)	M-545020-S

BRACKET, GROUND STRAP	24 126 137-S
SCREW, HEX FLANGE HI-LO (2)	25 086 157-S
REGULATOR, RECTIFIER	25 403 20-S
CLIP, CABLE	235173-S
HARNESS, WIRING	24 176 14-S
TIE (2)	25 454 07-S
WASHER, FLAT 1/4"	X-25-63-S
CONNECTOR	25 155 06-S
TIE	25 454 05-S
CLIP	210281-S
SHAFT	52 144 19-S
SCREW, FLG M8X1.25X25 (4)	M-839025-S
<b>BLOWER HOUSING &amp; BAFFLE GROUPING</b>	
SCREW, FLG THD FRM M5X0.8X16	M-545016-S
SCREW, FLG THD FRM M6X1.0X20 (3)	M-645020-S
SCREW, FLG THD FRM M5X.8X16	M-561016-S
KIT, BACKING PLATE	24 146 55-S
SCREW, FLG THD FRM M6X1.0X16 (4)	M-645016-S
BAFFLE, VALLEY #2 SIDE	32 063 02-S
BAFFLE, VALLEY #1 SIDE	32 063 03-S
KIT, CYL BAFFEL #1 SIDE	24 063 85-S
KIT, CYL BAFFEL #2 SIDE	24 063 88-S
SCREW, FLG THD FRM M5X.8X10 (2)	M-545010-S
SCREW, FLG THD FRM M5X0.8X16 (2)	M-545016-S
SCREW, FLG THD FRM M6X1.0X16	M-645016-S
KIT, BLOWER HOUSING ASSEMBLY	24 027 175-S
<b>STARTING GROUPING</b>	
STARTER, SOLENOID SHIFT	25 098 11-S
SCREW, EXTERNAL TORX HEAD (3)	25 086 113-S
KIT, BRUSH HOLDER	25 221 01-S
USE 25 435 06-S SOLENOID ASSY	25 435 05-S
KIT, STARTER PINION	25 755 33-S
NUT, FLG M8X1.25	M-841080-S
SCREW, FLG M8X1.25X80 (2)	M-851080-S
<b>FUEL SYSTEM GROUPING</b>	
CARBURETOR W/GASKETS KSF	24 853 32-S
SCREW, IDLE	24 086 10-S
SPRING, IDLE SPEED ADJ SCREW	24 089 10-S
SPRING, IDLE NEEDLE	24 089 11-S
O-RING, SLOW JET (2)	24 153 02-S
CAP, CHOKE LEVER	24 173 02-S
JET, SLOW	24 337 01-S
JET, MAIN - OPTIONAL	24 337 10-S
NEEDLE, IDLE	24 368 01-S
KIT, REPAIR CHOKE	24 757 07-S
JET, MAIN	24 337 02-S
GASKET, CARBURETOR BODY	24 041 09-S
SCREW, CARBURETOR BODY (4)	24 086 09-S
CLIP, INLET NEEDLE VALVE	24 154 01-S
VALVE, INLET NEEDLE	24 462 01-S
KIT, REPAIR FLOAT	24 757 02-S
SCREW, SOLENOID (2)	24 086 07-S
O-RING, SOLENOID	24 153 04-S
O-RING, SOLENOID	24 153 05-S
O-RING, SOLENOID	24 153 06-S
SOLENOID ASSEMBLY	24 435 01-S
SEAT, SOLENOID	24 521 01-S
KIT, HIGH ALTITUDE	24 755 125-S

KIT, REPAIR SOLENOID	24 757 01-S
KIT, REPAIR CARBURETOR	24 757 03-S
LEAD, GROUND	24 518 24-S
SCREW, FLG M6X1.0X25 (2)	25 086 124-S
FILTER, FUEL	24 050 13-S
LINE, FUEL (24"-CUT TO LENGTH)	25 111 34-S
CLAMP, HOSE 1/2" (2)	25 237 14-S
SCREW, TAP M6X1.7X18 (2)	24 086 12-S
PUMP, FUEL	24 393 16-S
NUT, PLASTIC - BLACK (2)	25 100 37-S
LINE, FLEXIBLE FUEL 15 1/2"	24 353 02-S
LINE, FUEL (24"-CUT TO LENGTH)	25 111 34-S
SCREW, FLNG THD FRM M6X1.0X10	25 086 158-S
CLIP, CABLE	47 154 01-S

**ENGINE CONTROL GROUPING**

SPRING, THROTTLE LIMITER	24 089 51-S
LEVER, THROTTLE CONTROL	24 090 03-S
LEVER, CHOKE	24 090 05-S
LEVER, THROTTLE ACTUATOR	24 090 07-S
BRACKET, CONTROL	24 126 176-S
WASHER, FLAT 5.5 MM (3)	24 468 01-S
WASHER, SPRING 1/4"	41 468 03-S
SCREW, CAP M4X.7X30	M-401030-S
NUT, M4X0.7	M-446030-S
NUT, FLG M5X.8	M-541050-S
SCREW, FLG THD FRM M5X0.8X16	M-545016-S
SCREW, FLG THD FRM M5X.8X20	M-545020-S
NUT, LOCK M5X.8	M-547050-S
SCREW, FLG THD FRM M6X1.0X16 (4)	M-645016-S
WASHER, SPRING LOCK 1/4"	X-20-1-S
CLAMP, CABLE (2)	12 237 01-S
SPRING, CHOKE RETURN	24 089 03-S
SCREW, FLG THD FRM M5X0.8X16 (2)	M-545016-S
LEVER, GOVERNOR	24 090 51-S
BOLT, RD HD SQ NECK M6X1.0X25	24 211 03-S
NUT, FLG M6X1.0	M-641060-S
SPRING, LINKAGE	24 089 01-S
LINKAGE, CHOKE	24 079 21-S
SPRING, GOVERNOR (PURPLE)	24 089 48-S
LINKAGE, THROTTLE	24 079 01-S
BUSHING, LINKAGE RETAINING	25 158 08-S
BUSHING, THROTTLE LINKAGE	25 158 11-S

**AIR INTAKE/FILTRATION GROUPING**

GASKET, AIR CLEANER BASE	24 041 06-S
SCREW, FLG THD FRM M6X1.0X16 (3)	24 086 53-S
BASE, AIR CLEANER	24 094 39-S
BRACKET, AIR CLEANER BASE	24 126 130-S
SCREW, FLG THD FRM M5X.8X10 (2)	M-545010-S
NUT, WING	12 100 01-S
SEAL, INNER AIR CLEANER	24 032 03-S
ELEMENT, PRECLEANER	24 083 02-S
COVER, INNER AIR CLEANER	24 096 01-S
BRACKET, AIR CLEANER	24 126 21-S
ELEMENT, AIR CLEANER	47 083 03-S
COVER, AIR CLEANER	24 096 67-S
O-RING	24 153 20-S
KNOB, COVER	25 341 04-S
KIT, INTAKE MANIFOLD	24 164 93-S

GASKET, CARBURETOR	24 041 53-S
O-RING, INTAKE PORT (2)	24 153 27-S
SCREW, FLG M6X1.0X40 (4)	M-651040-S
KIT, AIR CLEANER COVER	24 743 05-S
KIT, KNOB W/SEAL	54 755 01-S
<b>EXHAUST GROUPING</b>	
GASKET, EXHAUST (2)	24 041 49-S
STUD M8X1.25X33 (4)	25 072 14-S
TIE	25 454 05-S
NUT, FLG M8X1.25 (4)	M-841080-S
<b>CH IDENTIFICATION GROUP</b>	
DECAL, 20 HP	24 113 12-S
DECAL, OIL SENTRY	25 113 05-S
DECAL, CLEAR LAMINATE	25 113 39-S
TIE	25 454 05-S
<b>SHORT BLOCK GROUPING</b>	
CH20 SHORT BLOCK	24 522 14Z
<b>MINI BLOCK GROUPING</b>	
CH18 MINI BLOCK	24 782 15
<b>Accessories</b>	
MUFFLER	24 068 05-S
BRACKET, MUFFLER	24 126 12-S
DEFLECTOR, EXHAUST	24 265 01-S
SCREW, FLG M6X1.0X12 (2)	M-650012-S
SCREW, FLG M8X1.25X20 (2)	M-839020-S
<b>Speed Settings</b>	
IDLE SPEED SETTING	RPM-1600
HIGH SPEED SETTING	RPM-3400

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\*\*\* System Announcements \*\*\*

System maintenance is scheduled every Sunday from 3:00 a.m. until 12:15 p.m. CST.  
 KOHLERnet may not be available during this time frame.