

D51-24



D51EX/EXi/PX/PXi-24 S/N 10001-UP Crawler Dozer

Lubrication &
Filtration

Power Train

Hydraulic System

Cooling System

Undercarriage

Lighting

Operation & Comfort

IMC Machines

KOMATSU[®]

GENUINEPARTS

The Difference Matters™

LUBRICATION & FILTRATION

SERVICE REFILL CAPACITIES AND CHANGE INTERVALS

Fuel Tank	273 ltr / 72.1 Gal
Engine oil pan	15.5 ltr / 4.1 Gal <i>Premium Engine Oil LA/CJ-4140110H1 (1 Gal) / 1401101H1 (5 Gal)</i>
Final drive case (each)	5.5 ltr / 1.5 Gal <i>Power Train Oil TO30 1400504H2 (1 Gal) / 1400505H1 (5 Gal)</i>
Hydraulic tank	63 ltr / 16.6 US Gal <i>Power Train Oil TO30 1400504H2 (1 Gal) / 1400505H1 (5 Gal)</i>
DEF Tank	24.8 ltr / 6.6 Gal <i>Diesel Exhaust Fluid (DEF) 1401450H1 (2.5 Gal)</i>

500 HOUR

Fuel Pre-Filter	600-319-3610
Engine Oil Filter	6736-51-5142

1000 HOUR

Hydraulic Tank Breather Element	421-60-35170
DEF Tank Breather Element	421-60-35170
Fuel Tank Breather Element	421-60-35170
Fuel Main Filter Cartridge	600-319-3750

2000 HOUR

Hydraulic Oil Filter	11Y-60-51310
DEF Filter	6540-71-2320
KCCV Filter Element	600-331-2900
HST Charge Filter	12Y-60-38710
Fuel Line Filter	6754-71-7402

ONCE PER YEAR

A/C Fresh Air Element	12Y-979-1174
A/C Recirculated Air Filter	12Y-979-6180

AS NEEDED

Air Cleaner Assembly	6753-81-9500
<i>Air Cleaner Element</i>	<i>600-185-3100</i>

POWER TRAIN

ENGINE

Engine Model	KOMATSU SAA4D107E-3B
Engine	6753-80-0010T4
Turbocharger (VGT) Kit	6753-81-8290
Valve Cover Gasket	6751-11-1810

ENGINE LUBRICATION SYSTEM

Engine Oil Pump	6751-51-1112
Engine Oil Cooler	6754-61-2110

ENGINE FUEL SYSTEM

Fuel Injection Pump	6755-71-1010
<i>Reman</i>	<i>R6755-71-1010</i>
Fuel Injector (6)	6755-11-3100
<i>Reman</i>	<i>R6755-11-3100</i>

ENGINE ELECTRICAL SYSTEM

Alternator, 85A	600-861-8110
<i>Reman</i>	<i>R600-861-8110</i>
Starter, 5.5 kW	600-863-5131
<i>Reman</i>	<i>R600-863-5131</i>

ENGINE COOLING SYSTEM

Engine Water Pump	6754-61-1210
AC Compressor	12Y-Z79-3121
Drive Belt	6746-61-3710
Cooling Fan Belt Tensioner	6754-61-4111

BATTERY

Battery	EP130E41L
Battery Relay Switch	08088-70000

TIER 4

SCR Assembly	6544-01-0080
KDOC Assembly	6534-01-0080
DEF Mixing Tube	6753-01-0070
DEF Injector	6540-71-1110
EGR Valve	6753-41-9610
EGR Cooler	6753-61-7300

FRAME & FINAL

Final Drive, (D51PX,PXi-24)	
<i>LH</i>	<i>12Y-27-30300</i>
<i>RH</i>	<i>12Y-27-30400</i>
Final Drive, (D51EX, EXI-24)	
<i>LH</i>	<i>12Y-27-30100</i>
<i>RH</i>	<i>12Y-27-30200</i>

HYDRAULIC SYSTEM

Cooling Fan Motor	708-7S-00810
HST Pump	720-2L-00030
Work Equipment Pump	708-1U-00360
Charge Pump	705-22-33270
Lubricating Oil Pump	6751-51-1112
Blade Lift Cylinder, LH	
<i>Standard</i>	<i>707-G0-02050</i>
<i>IMC Machine</i>	<i>707-G0-02050</i>
<i>Lift Cylinder Seal Kit</i>	<i>721-98-02520</i>
Blade Lift Cylinder, RH	
<i>Standard</i>	<i>707-G0-02090</i>
<i>IMC Machine</i>	<i>707-G7-00450</i>
<i>Lift Cylinder Seal Kit</i>	<i>721-98-02520</i>

Angle Cylinder, LH	
<i>Standard</i>	<i>707-G0-02040</i>
<i>IMC Machine</i>	<i>707-G7-00440</i>
<i>Angle Cylinder Seal Kit</i>	<i>721-98-02550</i>

Angle Cylinder, RH	
<i>Standard</i>	<i>707-G0-02040</i>
<i>IMC Machine</i>	<i>707-G0-02040</i>
<i>Angle Cylinder Seal Kit</i>	<i>721-98-02550</i>

Blade Tilt Cylinder	
<i>Standard</i>	<i>707-G0-02100</i>
<i>IMC Machine</i>	<i>707-G7-00460</i>
<i>Tilt Cylinder Seal Kit</i>	<i>721-98-02570</i>
Ripper Lift Cylinder	707-11-11J00
<i>Ripper Lift Cylinder Seal Kit</i>	<i>721-98-02660</i>

COOLING SYSTEM

Thermostat	6751-61-6211
AC Condenser	12Y-979-1133
Radiator	12Y-03-32671
Aftercooler	12Y-03-32692
Oil Cooler	12Y-03-32661
Cooling Fan Motor	708-7S-00810

UNDERCARRIAGE

Track Link Assembly	
<i>Standard</i>	<i>12Y-32-00011</i>
<i>PLUS</i>	<i>12Y-32-00300</i>

Track Shoe, Single Grouser	
<i>510 mm</i>	<i>12Y-32-11110</i>
<i>560 mm</i>	<i>12Y-32-11340</i>
<i>710 mm</i>	<i>12Y-32-11350</i>

Track Shoe, Single Grouser, PLUS	
<i>510 mm</i>	<i>12Y-32-15110</i>
<i>560 mm</i>	<i>12Y-32-15340</i>
<i>710 mm</i>	<i>12Y-32-15350</i>

Track Shoe, Single Grouser, PLUS with Hole	
<i>510 mm</i>	<i>12Y-32-15360</i>
<i>560 mm</i>	<i>12Y-32-15370</i>
<i>710 mm</i>	<i>12Y-32-15380</i>

Track Shoe, Single Grouser, with Hole	
<i>510 mm</i>	<i>12Y-32-11360</i>
<i>560 mm</i>	<i>12Y-32-11370</i>
<i>710 mm</i>	<i>12Y-32-11380</i>

Master Shoe Bolt (8)	
<i>Standard</i>	<i>12Y-32-11310</i>
<i>PLUS</i>	<i>12Y-32-15310</i>

Track Roller Assembly S/F (8)	12Y-30-00021
Track Roller Assembly D/F (6)	12Y-30-00031

Track Roller Mounting	
<i>Bolt (56)</i>	<i>14x-60-51190</i>
<i>Washer (56)</i>	<i>01643-31645</i>

Track Roller Assembly S/F (PLUS) (8)	12Y-30-01020
Track Roller Assembly D/F (PLUS) (6)	12Y-30-01030

Track Roller Mounting	
<i>Bolt (56)</i>	<i>14x-60-51190</i>
<i>Washer (56)</i>	<i>01643-31645</i>
Shoe Bolt Kit (7)	12Y-32-05050
Carrier Roller (4)	12Y-30-00041
<i>Bolt</i>	<i>01010-81670 (8)</i>
<i>Washer</i>	<i>01643-31645 (8)</i>
Carrier Roller (4) - PLUS	12Y-30-01040
<i>Bolt (8)</i>	<i>01010-81670</i>
<i>Washer (8)</i>	<i>01643-31645</i>
Idler Assembly (2)	12Y-30-00051
<i>Bolt (16)</i>	<i>01010-81645</i>
<i>Washer (16)</i>	<i>01643-31645</i>
Sprocket Teeth (18)	2Y-27-11510
<i>Bolt (54)</i>	<i>09203-21860</i>
<i>Washer (54)</i>	<i>01803-01824</i>
Sprocket Teeth (PLUS) (18)	12Y-27-15210
<i>Bolt (54)</i>	<i>09203-21860</i>
<i>Washer (54)</i>	<i>01803-01824</i>

LIGHTING

Work Lamp (5)	11Y-06-11372
Replacement Bulb, 70W	421-06-23330

OPERATION & COMFORT

Ignition Switch & Key	7861-93-7104
Radio	2A5-06-11922
Rearview Camera	7835-33-2001
One-Camera System	1400177H1
Two-Camera System	1400178H1
Color Camera	1401802H1
Operator's Seat	12Y-57-31100
Seatbelt	12Y-57-21111
Mirror (Cab Rear View)	12Y-54-38520
Back-Up Alarm	12Y-06-31911
Horn Assembly	13Y-06-17210
Front Wiper	
<i>Blade</i>	<i>418-926-3950</i>
<i>Arm</i>	<i>11Y-06-2470</i>
<i>Motor</i>	<i>11Y-06-46210</i>
Rear Wiper	
<i>Blade</i>	<i>17A-Z11-2581</i>
<i>Arm</i>	<i>17A-Z11-2570</i>
<i>Motor</i>	<i>12Y-978-2441</i>

IMC MACHINES ONLY

Stroke Sensor Assy, Lift Cylinder	707-97-00270
Stroke Sensor Assy, Angle Cylinder	707-97-00460
Harness, Lift Stroke Sensor	12Y-06-35120
Harness, Angle Stroke Sensor	12Y-06-35132
IMU Sensor	7835-70-3111
Harness, IMU Sensor	12Y-06-35141



GENUINEPARTS
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