

Section-0 General

Serial No.

Equipment Layout-----	ES00-03-0058.0R0S	3000-
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Section-1 Upper Mechanism

Power Transmission System-----	ES01-01-0058.0R0S	3000-
Front And Rear Drum Shaft Maintenance Chart-----	ES01-10-2052.0R0S	3000-
Front And Rear Drum Shaft Disassembly And Reassembly-----	ES01-10-6063.0R0S	3000-
Boom Hoist Drum Structure And Outline-----	ES01-15-0067.0R0S	3000-
Boom Hoist Drum Disassembly And Reassembly-----	ES01-15-6064.0R0S	3000-
Clutch Structure And Outline-----	ES01-17-0055.0R0S	3000-
Clutch Maintenance Chart-----	ES01-17-2073.0R0S	3000-
Clutch Troubleshooting-----	ES01-17-4023.0R0S	3000-
Clutch Disassembly And Reassembly-----	ES01-17-6051.0R0S	3000-
Tumtable Bearing Disassembly And Reassembly-----	ES01-30-6053.0R0S	3000-
Drum Indicator Troubleshooting (Mechanical Type)-----	ES01-50-4001.0R0S	3000-

Section-2 Lower Mechanism

Lower General Explanation-----	ES02-01-0052.0R0S	3000-
Tread Drive Sprocket Maintenance Chart-----	ES02-05-2056.0R0S	3000-
Tread Drive Sprocket Disassembly And Reassembly-----	ES02-05-6046.0R0S	3000-
Take-Up Idler Maintenance Chart-----	ES02-07-2060.0R0S	3000-
Take-Up Idler Inspection And Adjustment-----	ES02-07-5047.0R0S	3000-
Take-Up Idler Disassembly And Reassembly-----	ES02-07-6054.0R0S	3000-
Carrier Roller Maintenance Chart-----	ES02-08-2051.0R0S	3000-
Carrier Roller Disassembly And Reassembly-----	ES02-08-6033.0R0	3000-
Track Roller Maintenance Chart-----	ES02-09-2049.0R0	3000-
Track Roller Disassembly And Reassembly-----	ES02-09-6033.0R0	3000-
Track Shoe Maintenance Chart-----	ES02-10-2049.0R0	3000-
Track Shoe Inspection And Adjustment-----	ES02-10-5053.0R0S	3000-
Track Shoe Disassembly And Reassembly-----	ES02-10-6053.0R0S	3000-

Section-3 Control System

Front And Rear Drum Brakes Control Maintenance Chart-----	ES03-05-2068.0R0S	3000-
Front And Rear Drum Brakes Control Disassembly And Reassembly-----	ES03-05-6068.0R0S	3000-

Section-4 Hydraulic System

Hydraulic Circuit Outline-----	ES04-01-0072.0R0S	3000-
Hydraulic Circuit Pressure Adjustment-----	ES04-01-5076.0R0S	3000-

Section-5 Hydraulic Unit

Variable Delivery Pump Outline And Structure-----	ES05-02-0055.0R0S	3000-
Variable Delivery Pump Maintenance Chart-----	ES05-02-2050.0R0	3000-
Variable Delivery Pump Troubleshooting-----	ES05-02-4009.0R0	3000-

Gear Pump Disassembly And Reassembly	ES05-03-6051.0R0S	3000-
Accumulator Structure And Working	ES05-05-0034.0R1S	3000-
Accumulator Inspection And Adjustment	ES05-05-5031.0R2S	3000-
Accumulator Disassembly And Reassembly	ES05-05-6045.0R0S	3000-
Motor Structure And Outline	ES05-09-0043.0R0S	3000-
Motor Maintenance Chart	ES05-09-2025.0R0	3000-
Motor Troubleshooting	ES05-09-4025.0R0	3000-
Motor Disassembly And Reassembly	ES05-09-6025.0R0	3000-
Rotating Joint Disassembly And Reassembly	ES05-14-6029.2R1S	3000-
Remote Control Valve Structure And Operation	ES05-17-0029.0R1S	3000-
Remote Control Valve Troubleshooting	ES05-17-4027.0R0S	3000-
Remote Control Valve Disassembly And Reassembly	ES05-17-6027.0R0S	3000-
Clutch Cylinder Disassembly And Reassembly	ES05-18-6073.0R0	3000-
Automatic Brake Cylinder Disassembly And Reassembly	ES05-19-6032.0R0	3000-
Retract Cylinder Disassembly And Reassembly	ES05-23-6034.0R0S	3000-
Line Filter Inspection	ES05-30-5061.0	3000-
Line Filter Disassembly And Reassembly	ES05-30-6061.0	3000-
Return Filter Inspection	ES05-32-5011.0R	3000-
Return Filter Disassembly And Reassembly	ES05-32-6011.0R0	3000-
8-Way Rotating Joint Inspection	ES05-34-5012.0R0	3000-
8-Way Rotating Joint Disassembly And Reassembly	ES05-34-6012.0R0	3000-
Control Valve (2-Series) Structure And Outline	ES05-36-0033.0R0S	3000-
Control Valve (1-Series) Structure And Outline	ES05-36-0034.0R0S	3000-
Control Valve (4-Series) Structure And Outline	ES05-38-0042.0R0S	3000-
Check Block Structure And Outline	ES05-49-0013.0R0S	3000-
Take-Up Cylinder Disassembly And Reassembly	ES05-57-6048.0R0S	3000-

Section-6 Gantry

Gantry Maintenance Chart	ES06-01-2065.0R0S	3000-
Gantry Disassembly And Reassembly	ES06-01-6037.0R0S	3000-

Section-7 Crane attachment

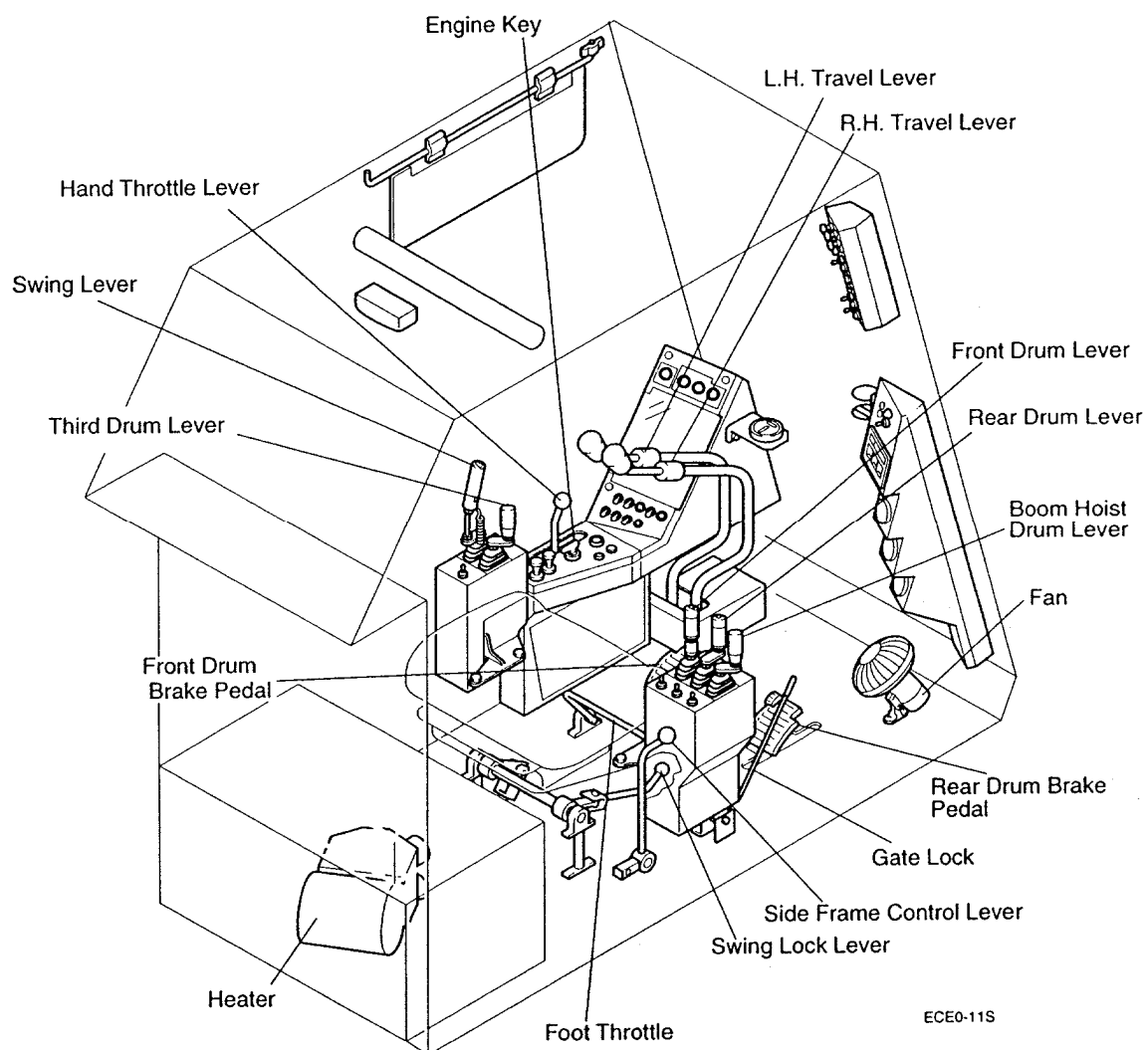
Boom Foot Pin Maintenance Chart	ES07-08-2032.0	3000-
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Section-13 Electrical System

Electrical Diagram	ES13-01-0059.0R0S	3000-
Electrical System Standardization	ES13-01-9033.0R0S	3000-
Storage Battery Servicing And Installation	ES13-04-5004.0R0S	3000-

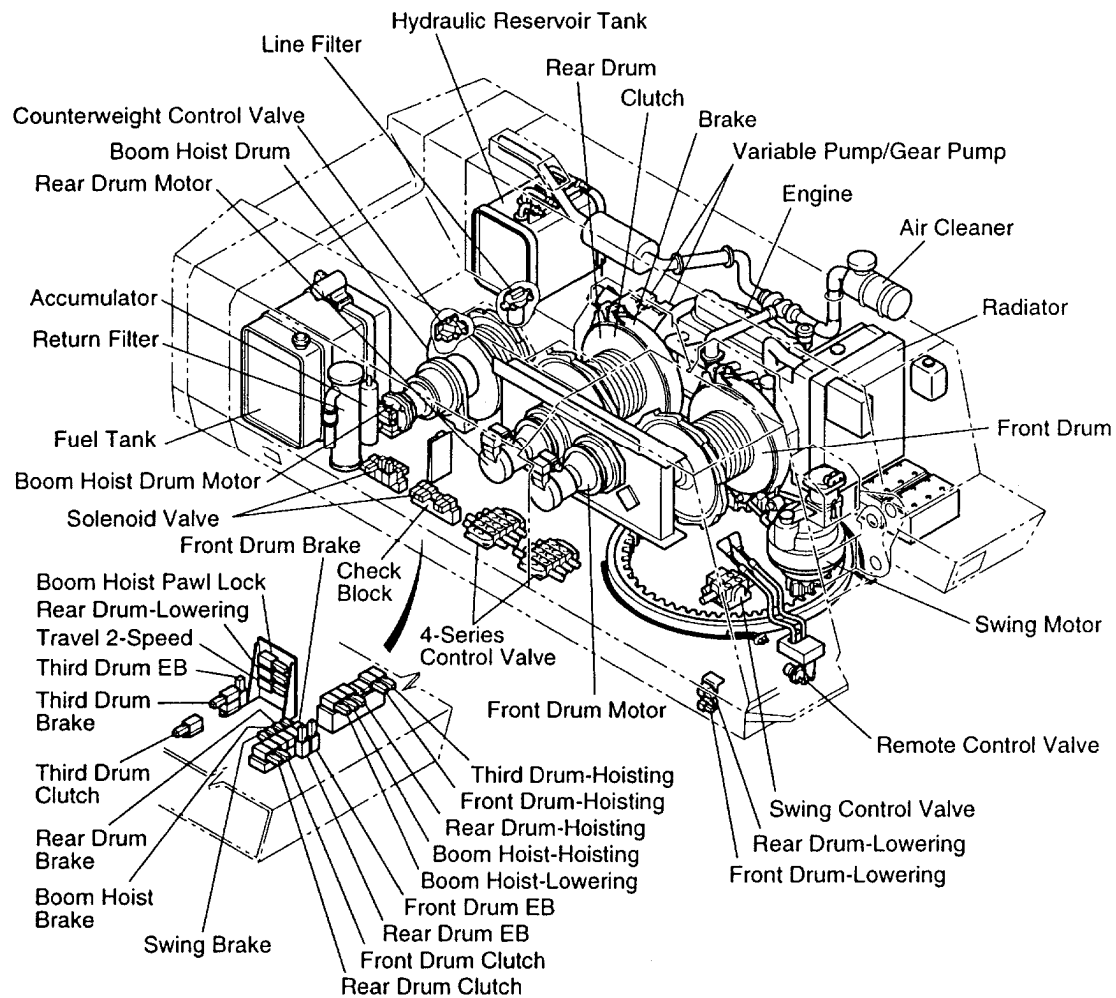
Section-14 Tightening Torque Table

General Purpose Tightening Torques	ES14-02-0004.0R0S	3000-
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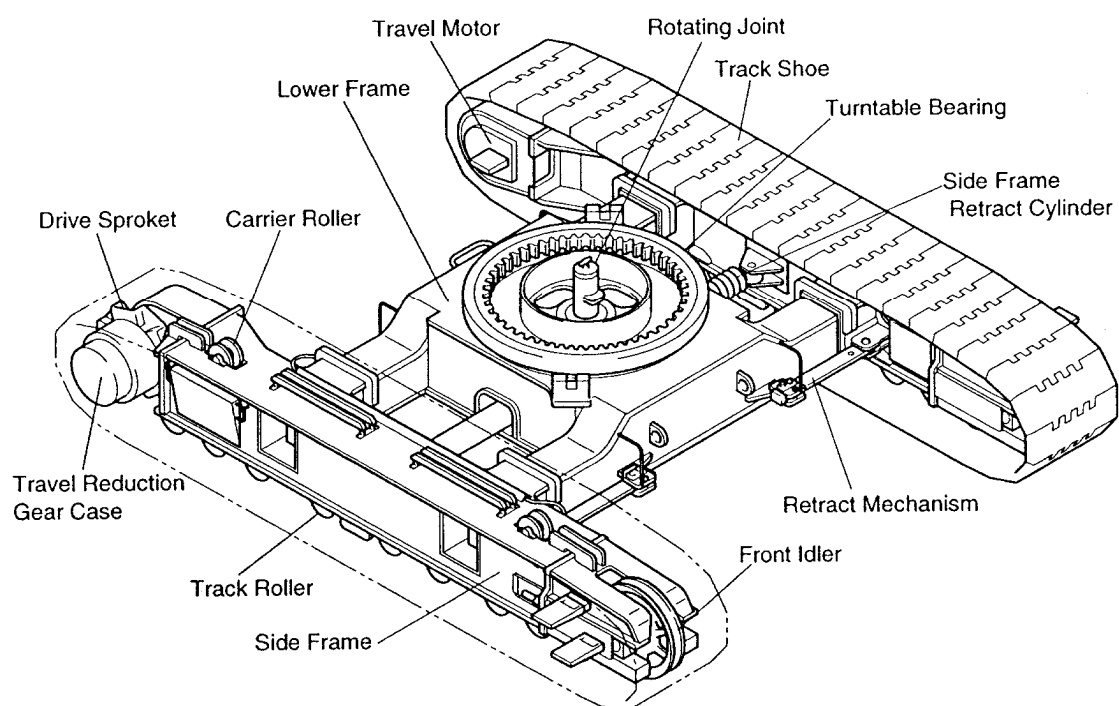
1 Components In Operator's Cab

※ : Indicates options.

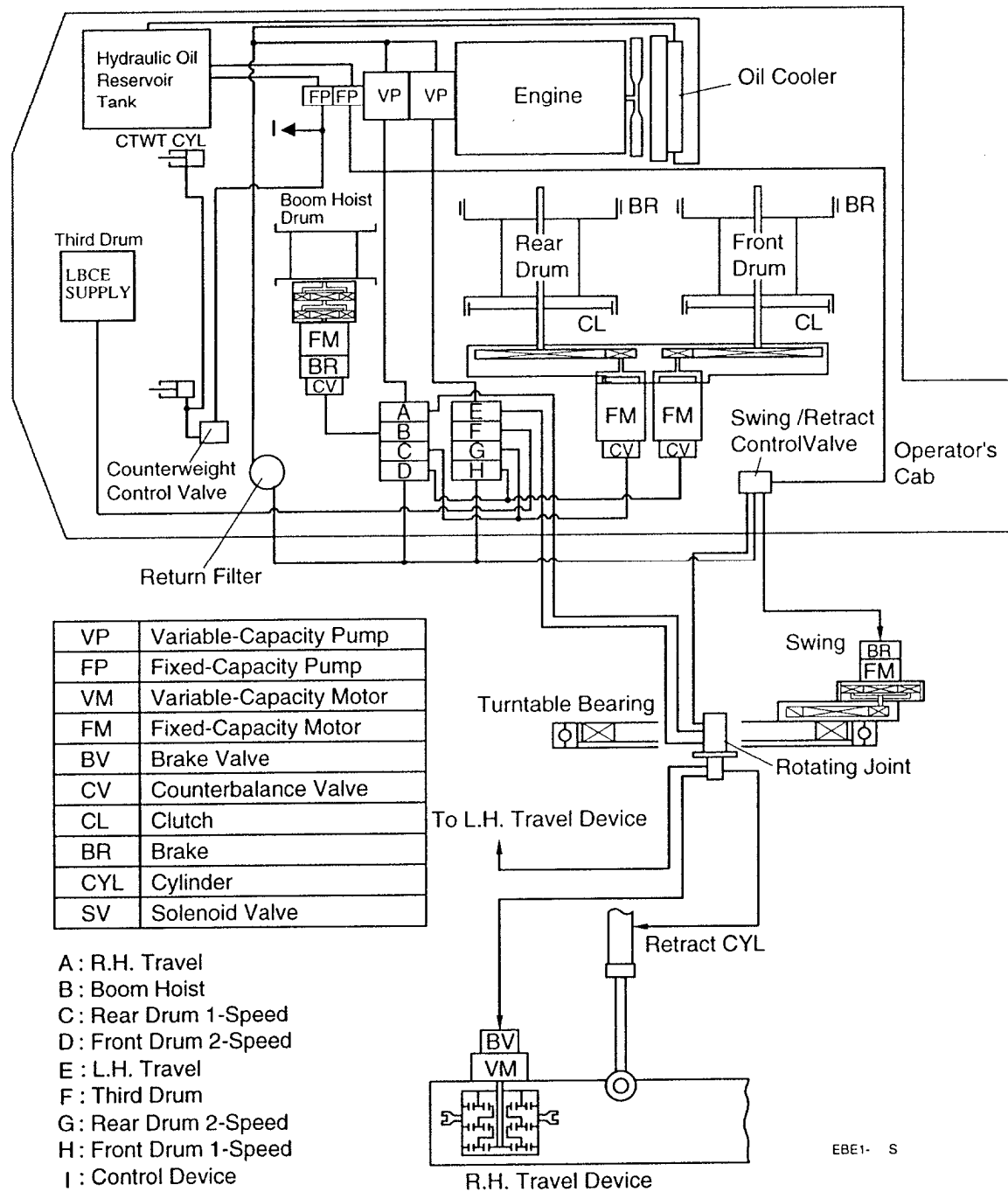
2 General Equipment Of Upper Machinery



3 Lower Travel Machinery



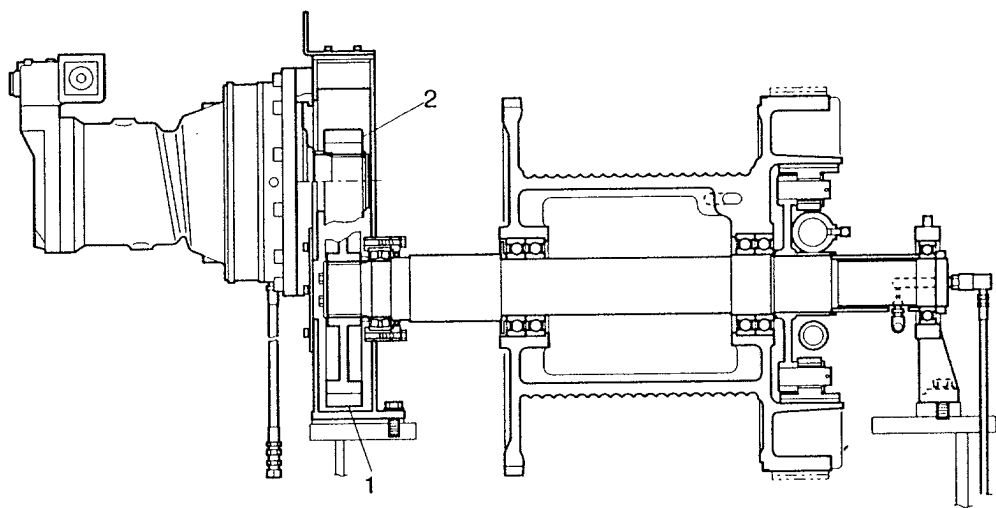
Power from the engine is drive hydraulic pumps. The rotating energy of engine power is also converted into fluid energy (the flow of high pressure hydraulic oil) which is directed by the control valves, through hydraulic lines, to various actuators.



Unit: inches (mm)

Item	Part name	Number Of Teeth	*1	Allowable Backlash	Treatment
1	Spur gear	6	8.0" (205.5)	.08" (2.0)	Replacement
2	Spur gear	3	3.7" (95.02)		

*1 Allowable Displacement Over A Given Number Of Teeth.



ECD1-177S

