

Section-0 General**Serial No.**

Equipment Layout -----	ES00-03-0051.0R0	2000-
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Section-1 Upper Mechanism

Power Transmission System -----	ES01-01-0053.0R0	2000-
Front And Rear Drum Shaft Maintenance Chart-----	ES01-10-2050.0R0	2000-
Front And Rear Drum Shaft Disassembly And Reassembly -----	ES01-10-6062.0R0	2000-
Third Drum Shaft Structure And Outline -----	ES01-12-0032.0R0	2000-
Third Drum Shaft Maintenance Chart -----	ES01-12-2032.0R0	2000-
Third Drum Shaft Disassembly And Reassembly -----	ES01-12-6032.0R0	2000-
Boom Hoist Drum Structure And Outline -----	ES01-15-0064.0R0	2000-
Boom Hoist Drum Disassembly And Reassembly -----	ES01-15-6062.0R0	2000-
Clutch Structure And Outline -----	ES01-17-0027.1R0	2000-
Clutch Maintenance Chart (2-Cylinder Type,Third Drum) -----	ES01-17-2025.1R0	2000-
Clutch Maintenance Chart -----	ES01-17-2073.0R0	2000-
Clutch Troubleshooting (2-Cylinder Type) -----	ES01-17-4009.0R0	2000-
Clutch Troubleshooting (1-Cylinder Type) -----	ES01-17-4023.0R0	2000-
Clutch Disassembly And Reassembly (1-Cylinder Type) -----	ES01-17-6025.3R0	2000-
Clutch Disassembly And Reassembly (2-Cylinder Type) -----	ES01-17-6032.0R0	2000-
Turntable Bearing Maintenance Chart -----	ES01-30-2030.1R0	2000-
Turntable Bearing Disassembly And Reassembly -----	ES01-30-6051.0R0	2000-
Power Divider (Pump Splitter) Maintenance Chart -----	ES01-40-2032.0R0	2000-
Power Divider (Pump Splitter) Disassembly And Reassembly -----	ES01-40-6062.0R0	2000-

Section-2 Lower Mechanism

Lower General Explanation -----	ES02-01-0050.0R0	2000-
Tread Drive Sprocket Maintenance Chart -----	ES02-05-2051.0R0	2000-
Tread Drive Sprocket Disassembly And Reassembly -----	ES02-05-6045.0R0	2000-
Take-Up Idler Maintenance Chart -----	ES02-07-2032.0R0	2000-
Take-Up Idler Inspection And Adjustment -----	ES02-07-5045.0R0	2000-
Take-Up Idler Disassembly And Reassembly -----	ES02-07-6049.0R0	2000-
Carrier Roller Maintenance Chart -----	ES02-08-2051.0R0	2000-
Carrier Roller Disassembly And Reassembly -----	ES02-08-6033.0R0	2000-
Track Roller Maintenance Chart -----	ES02-09-2049.0R0	2000-
Track Roller Disassembly And Reassembly -----	ES02-09-6033.0R0	2000-
Track Shoe Maintenance Chart -----	ES02-10-2049.0R0	2000-
Track Shoe Inspection And Adjustment -----	ES02-10-5049.0R0	2000-
Track Shoe Disassembly And Reassembly -----	ES02-10-6049.0R0	2000-

Section-3 Control System

Front And Rear Drum Brakes Control Maintenance Chart -----	ES03-05-2064.0R0	2000-
Front And Rear Drum Brakes Control Disassembly And Reassembly -----	ES03-05-6063.0R0	2000-
Third Drum Brake Control Maintenance Chart -----	ES03-07-2032.0R0	2000-
Third Drum Brake Control Inspection And Adjustment -----	ES03-07-5032.0R0	2000-
Third Drum Brake Control Disassembly And Reassembly -----	ES03-07-6032.0R0	2000-

Section-4 Hydraulic System

Hydraulic Circuit Outline -----	ES04-01-0068.0R0	2000-
Hydraulic Circuit Pressure Adjustment -----	ES04-01-5068.0R0	2000-

Section-5 Hydraulic Unit

Variable Delivery Pump Outline And Structure -----	ES05-02-0051.0R0	2000-
Variable Delivery Pump Maintenance Chart -----	ES05-02-2050.0R0	2000-
Variable Delivery Pump Troubleshooting -----	ES05-02-4009.0R0	2000-
Gear Pump Disassembly And Reassembly -----	ES05-03-6032.1R0	2000-
Accumulator Structure And Working -----	ES05-05-0009.2R0	2000-
Accumulator Inspection And Adjustment -----	ES05-05-5009.1R0	2000-
Accumulator Disassembly And Reassembly -----	ES05-05-6009.2R0	2000-
Motor Structure And Outline -----	ES05-09-0025.0R0	2000-
Motor Maintenance Chart -----	ES05-09-2025.0R0	2000-
Motor Troubleshooting -----	ES05-09-4025.0R0	2000-
Motor Disassembly And Reassembly -----	ES05-09-6025.0R0	2000-
Rotating Joint Disassembly And Reassembly -----	ES05-14-6029.1R0	2000-
Remote Control Valve Structure And Operation -----	ES05-17-0009.1R0	2000-
Remote Control Valve Troubleshooting -----	ES05-17-4009.0R0	2000-
Remote Control Valve Disassembly And Reassembly -----	ES05-17-6009.1R0	2000-
Clutch Cylinder Disassembly And Reassembly (2-Cylinder Type, R.H.) -----	ES05-18-6003.1R0	2000-
Clutch Cylinder Disassembly And Reassembly (2-Cylinder Type, L.H.) -----	ES05-18-6005.1R0	2000-
Clutch Cylinder Disassembly And Reassembly (1-Cylinder Type) -----	ES05-18-6032.1R0	2000-
Clutch Cylinder Disassembly And Reassembly (1-Cylinder Type) -----	ES05-18-6073.0R0	2000-
Automatic Brake Cylinder Disassembly And Reassembly -----	ES05-19-6032.0R0	2000-
Retract Cylinder Disassembly And Reassembly -----	ES05-23-6033.0R0	2000-
Line Filter Inspection -----	ES05-30-5061.0R0	2000-
Line Filter Disassembly And Reassembly -----	ES05-30-6061.0R0	2000-
Return Filter Inspection -----	ES05-32-5011.0R1	2000-
Return Filter Disassembly And Reassembly -----	ES05-32-6011.0R0	2000-
8-Way Rotating Joint Inspection -----	ES05-34-5012.0R0	2000-
8-Way Rotating Joint Disassembly And Reassembly -----	ES05-34-6012.0R0	2000-

Control Valve (2-Series) Structure And Outline	ES05-36-0032.0R0	2000-
Check Block Structure And Outline	ES05-49-0012.0R0	2000-
Take-Up Cylinder Disassembly And Reassembly	ES05-57-6035.0R0	2000-

Section-6 Gantry

Gantry Maintenance Chart	ES06-01-2035.0R0	2000-
Gantry Disassembly And Reassembly	ES06-01-6035.0R0	2000-

Section-7 Crane attachment

Boom Foot Pin Maintenance Chart	ES07-08-2032.0R0	2000-
Sheave Maintenance Chart	ES07-09-2076.0R0	2000-

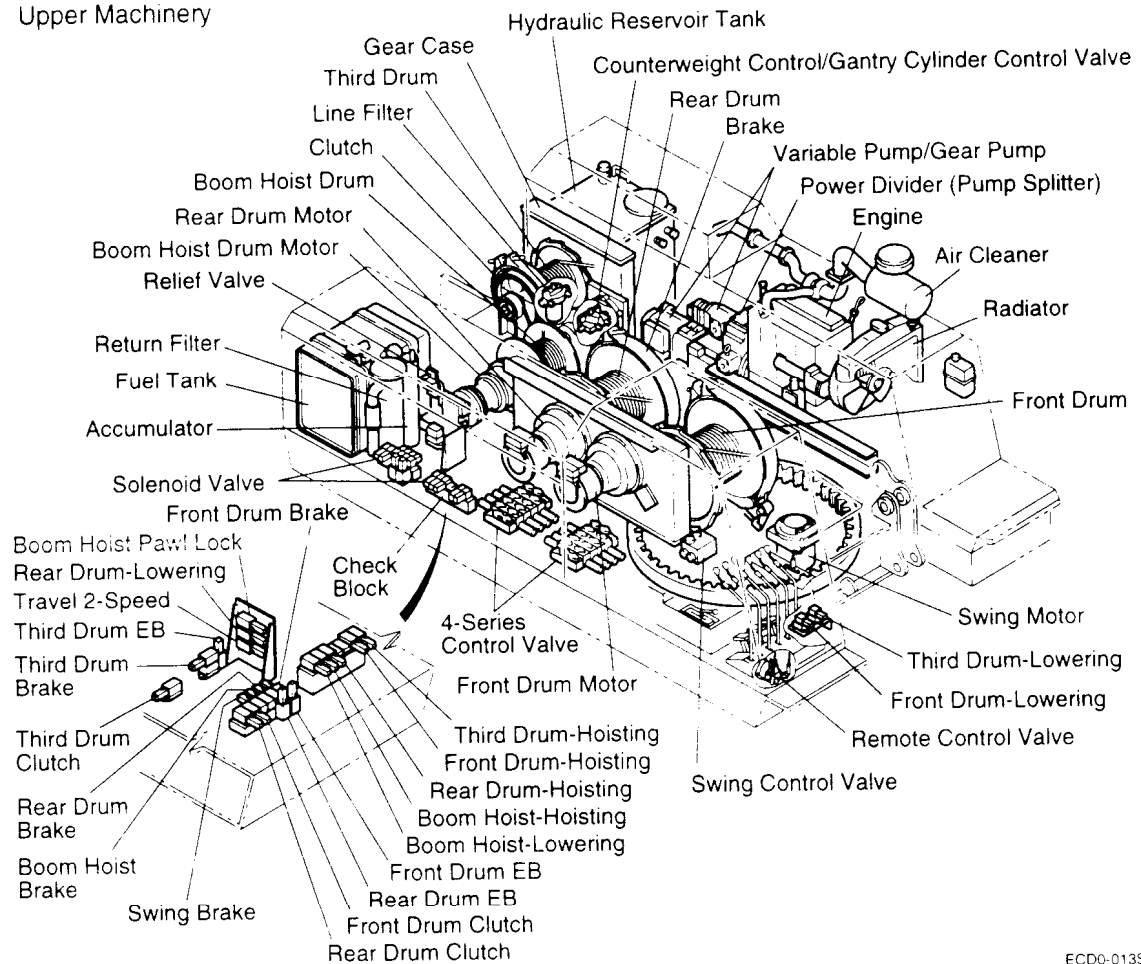
Section-13 Electrical System

Electrical Diagram	ES13-01-0055.0R0	2000-
Electrical System Standardization	ES13-01-9032.0R0	2000-
Storage Battery Servicing And Installation	ES13-04-5003.0R0	2000-

Section-14 Tightening Torque Table

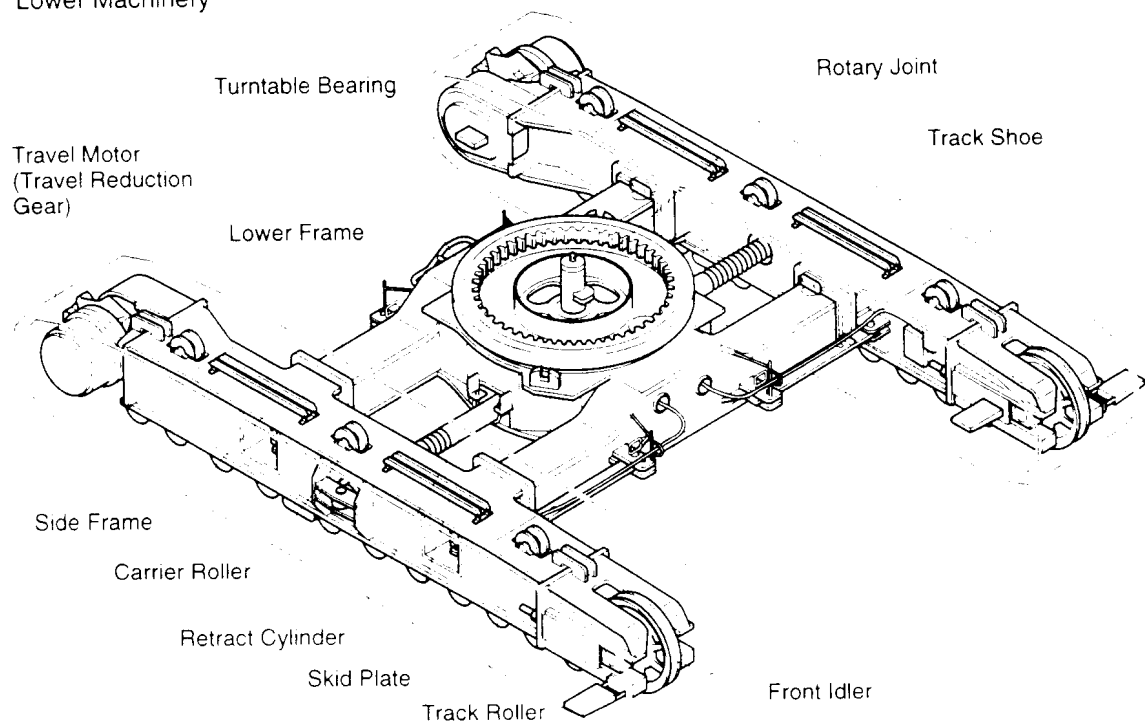
General Purpose Tightening Torques	ES14-02-0001.0R1	2000-
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1 Upper Machinery



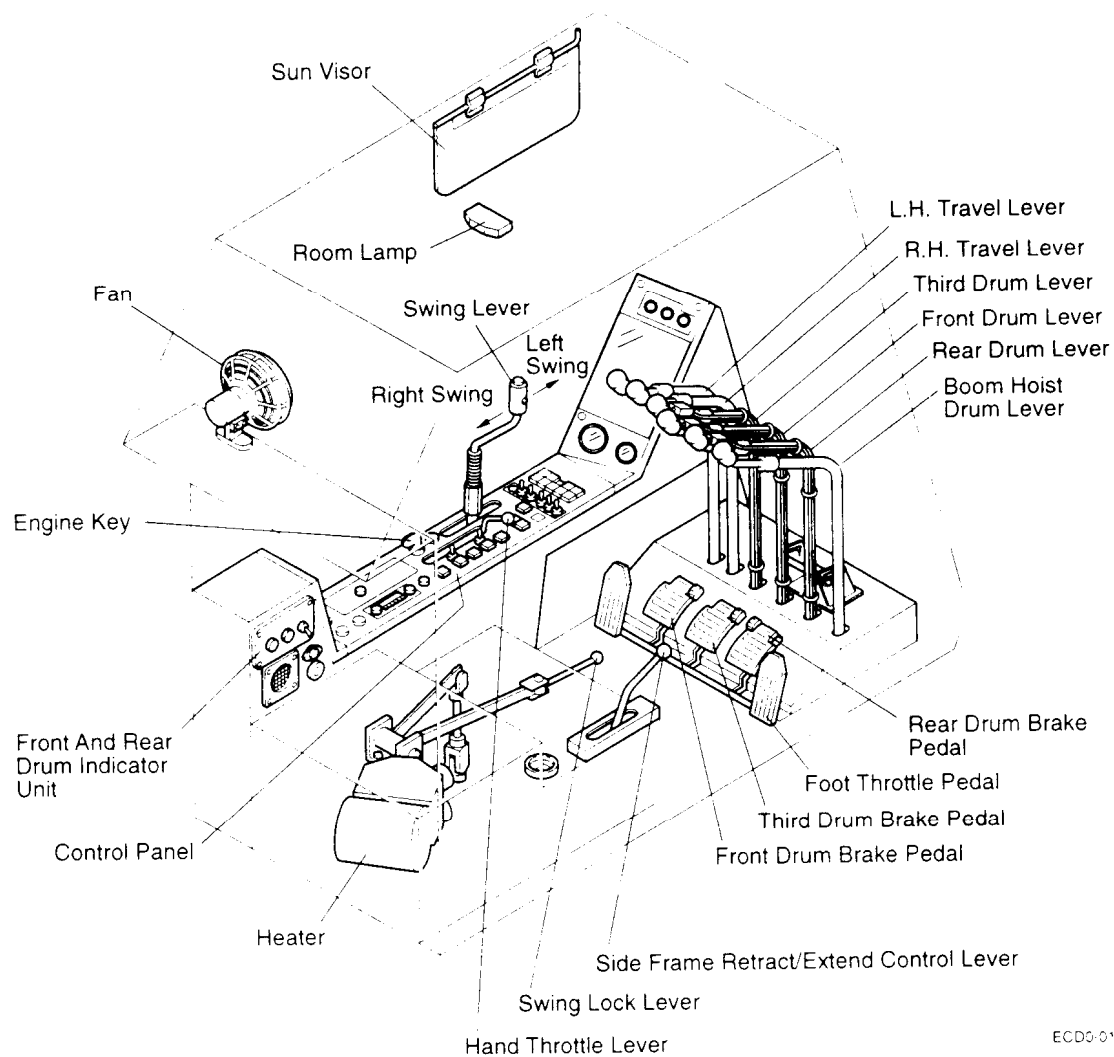
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2 Lower Machinery



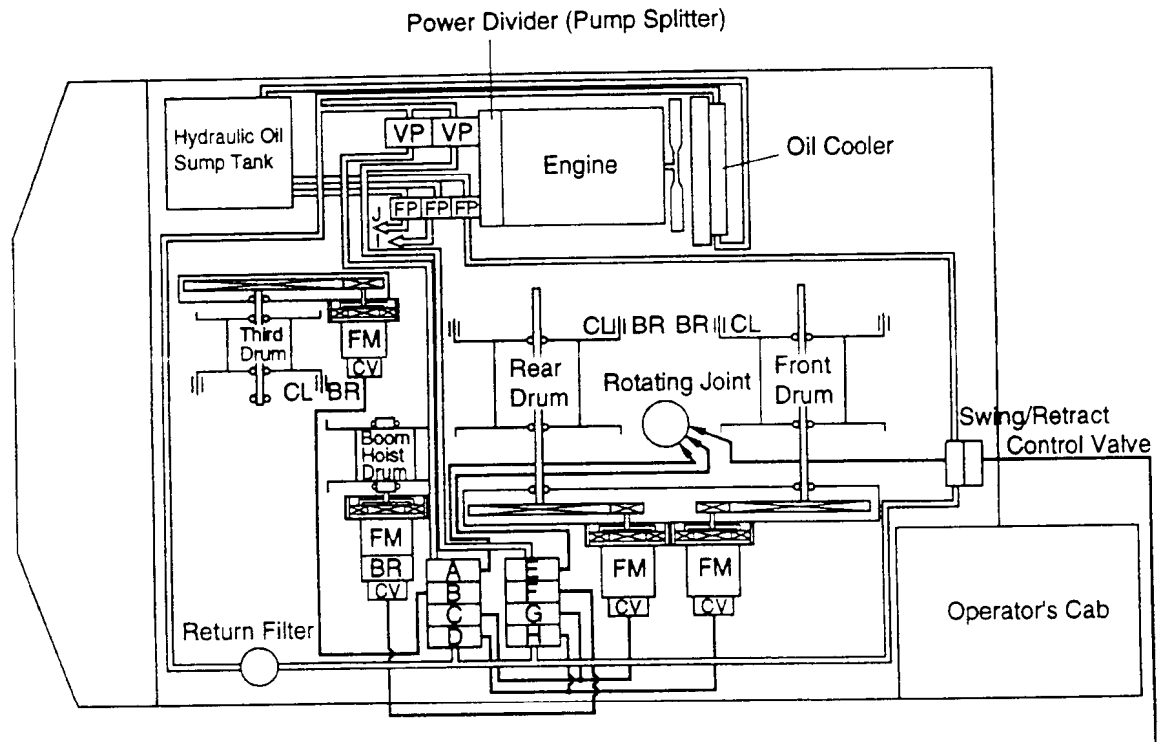
ECD0-014S

3 Components In Operator's Cab



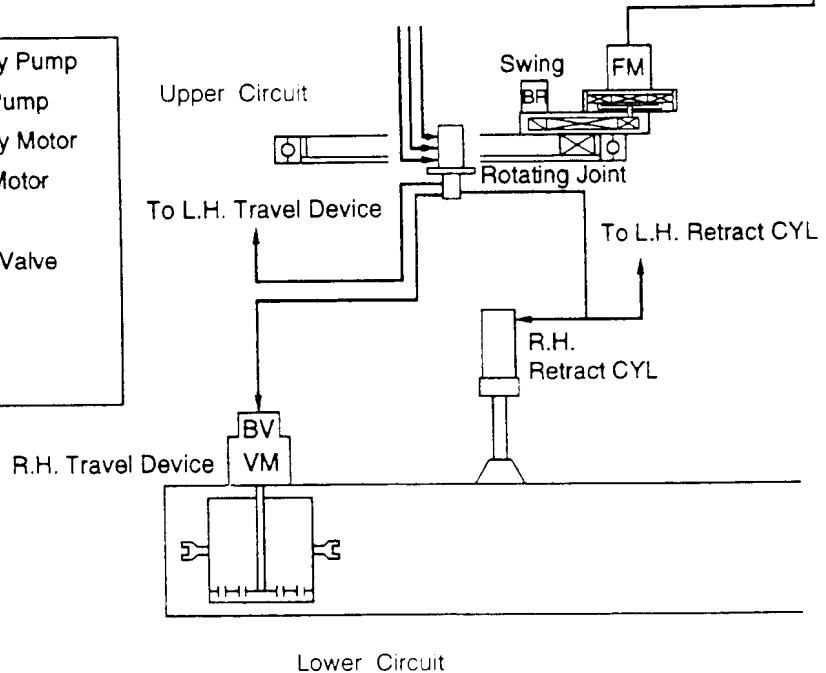
Note : For more details of operating levers, pedals and switches on the panel, refer to the operator's manual.

Power from the engine is separated by the power divider (pump splitter) to 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 pipelines, to various actuators.



VP	Variable-Capacity Pump
FP	Fixed-Capacity Pump
VM	Variable-Capacity Motor
FM	Fixed-Capacity Motor
BV	Brake Valve
CV	Counterbalance Valve
CL	Clutch
BR	Brake
CYL	Cylinder

- A : L.H. Travel
 B : Third Drum
 C : Rear High 2-Speed
 D : Front Low 1-Speed
 E : R.H. Travel
 F : Boom Hoist
 G : Rear Low 1-Speed
 H : Front High 2-Speed
 I : To Control Device And Counterweight Removal Device And Gantry Raising/Lowering Device.
 J : To Tagline



Unit: inches (mm)

Item	Part Name	Number Of Teeth	※	Back-Lash	Treatment
1	Pinion	3	3.088" (78.43)	.083" (2.1)	Replacement
2	Spur Gear	8	9.113" (231.48)		
3	Pinion	4	4.273" (108.53)	.094" (2.4)	Replacement
4	Spur Gear	7	22.346" (568.60)		

※ Allowable Displacement Over A Given Number Of Teeth.

