PART NO. EM18J-1-2

HITACHI

Operator's Manual

EX1200-6

Hydraulic Excavator

Serial No 001001 and up

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MEMO

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CONTENTS

MACHINE NUMBERS

SAFETY

Recognize Safety Information S-1
Understand Signal Words S-1
Follow Safety Instructions S-2
Prepare for Emergencies S-2
Wear Protective Clothing S-3
Protect Against Noise S-3
Inspect Machine S-3
General Precautions for Cab S-4
Use Handholds and Steps S-5
Adjust the Operator's Seat S-5
Ensure Safety Before Rising From or Leaving Operator's Seat S-5
Fasten Your Seat Belt S-6
Move and Operate Machine Safely S-6
Handle Starting Aids Safely S-6
Operate Only from Operator's Seat S-7
Jump Starting S-7
Keep Riders off Machine S-7
Precautions for Operations S-8
Investigate Job Site Beforehand S-9
Protect Against Falling Stones and Debris S-10
Provide Signals for Jobs Involving Multiple Numbers of Machines S-10
Confirm Direction of Machine to be Driven S-10
Drive Machine Safely S-11
Avoid Injury from Rollaway Accidents S-13
Avoid Injury from Back-Over and Swing Accidents S-14
Keep Person Clear from Working Area S-15
Never Position Bucket Over Anyone S-15
Avoid Undercutting S-15
Avoid Tipping S-16
Never Undercut a High Bank S-16
Dig with Caution S-17
Operate with Caution S-17
Avoid Power Lines S-18
Precautions for Lightening S-18
Object Handling S-18
Protect Against Flying Debris S-19
Park Machine Safely S-19
Handle Fluids Safely – Avoid Fires S-19
Transport Safely S-20
Practice Safe Maintenance S-21
Warn Others of Service Work S-22
Support Machine Properly S-22
Stay Clear of Moving Parts S-22
Prevent Parts from Flying S-23
Store Attachments Safely S-23
Prevent Burns S-24
Replace Rubber Hoses Periodically S-24
Avoid High-Pressure Fluids S-25
Prevent Fires S-26
Evacuating in Case of Fire S-27
Beware of Exhaust Fumes S-27
Precautions for Welding and Grinding S-27
Avoid Heating Near Pressurized Fluid Lines S-28
Avoid Applying Heat to Lines Containing Flammable Fluids S-28
Remove Paint before Welding or Heating S-28
Beware of Asbestos Dust S-29
Prevent Battery Explosions S-29
Service Air Conditioning System Safely S-29
Handle Chemical Products Safely S-30
Dispose of Waste Properly S-30

SAFETY SIGNS S-31

COMPONENTS NAME

Components Name 1-1

GETTING ON / OFF THE MACHINE

Getting ON / OFF the Machine 1-2

HANDLING LADDER

Using Ladder (Optional) 1-3
Operating Ladder on the Ground 1-4
Operating Ladder on the Upper-Structure 1-4

HANDLING EMERGENCY ROPE

Emergency Rope (Elevated Cab) 1-5

EMERGENCY EXIT

Emergency Exit 1-6
Evacuating in Case of Fire 1-6

OPERATOR'S STATION

Cab Features 1-8
Multi Function Monitor 1-9
Outline 1-10
Menu Screen (19) 1-12
Hour Meter 1-13
Fuel Gauge 1-13
Clock 1-13
Back Monitor Selector 1-13
Menu Key 1-14
Optional Function Key 1-14
Return to Basic Screen Key 1-14
Alarm Light 1-14
Optional Function Display 1-14
Coolant Temperature Gauge 1-15
Operating Status Icon Display 1-15
Displaying Basic Screen by Password Input (Optional) 1-16
In Case of Inputting an Incorrect Password 1-17
Extending Password Duration Time 1-19
Alarm Occurrence Screen 1-20
Contents of Alarms 1-22
Clock Setting 1-25
Time Adjustment 1-25

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CONTENTS

Password Change (Optional) 1-26
Back Monitor Settings 1-29
Auto-Control: OFF 1-30
Maintenance Settings 1-31
Maintenance Information Display ON/OFF ... 1-31
Change Interval Settings 1-32
Resetting Data 1-33
Screen Display when Maintenance Information Display is ON 1-34
Language Settings 1-36
Lists of Display Language 1-37
Switch Panel 1-38
Engine Control Dial 1-39
Auto-Idle Switch 1-39
Power Mode Switch 1-40
Travel Mode Switch 1-40
Work Light Switch 1-41
Wiper/Washer Switch 1-42
Switch Panel (Optional Included) 1-43
Key Switch 1-45
Horn Switch 1-45
Cigar Lighter 1-46
Cab Light Switch 1-47
Step Light Switch 1-47
Installing Fire Extinguisher (Optional) 1-48
Engine Fault Diagnostics Switch 1-48
Pilot Control Shut-Off Lever 1-49
Fuse Box 1 1-50
Fuse Box 2 1-50
Air Conditioner Operation 1-51
Auto Air Conditioner 1-52
Cab Heater Operation 1-57
Cooling Operation 1-57
Defroster Operation 1-58
Tips for Optimal Air Conditioner Usage 1-59
AM/FM Radio Operation 1-60
Digital Clock Setting Procedure 1-61
Cab Door Release Lever 1-62
Opening Side Windows 1-62
Emergency Exit 1-63
Extinguisher --- If Equipped 1-63
Adjusting the Seat 1-64
Adjusting the Seat (Heater Seat Optional) 1-66
Seat with A Built-In Heater 1-67
Adjusting the Air-Suspension Seat (Optional) ... 1-68
Seat with A Built-In Heater 1-69
Adjusting Console Height 1-70
Seat Belt 1-71

BREAK-IN

Observe Engine Operation Closely 2-1
Every 10 Hours or Daily 2-1
After the First 50 Hours 2-1

OPERATING THE ENGINE

Inspect Machine Daily Before Starting 3-1
Before Starting Engine 3-2
Level Check 3-3
Starting the Engine in Ordinary Temperature 3-4
Starting the Engine in Cold Weather 3-5
Check Instruments After Starting 3-6
Using Booster Batteries 3-7
Stopping the Engine 3-9
Engine Stop Switch 3-10

DRIVING THE MACHINE

Drive the Machine Carefully 4-1
Steering the Machine Using Pedals 4-2
Steering the Machine Using Levers 4-3
Travel Mode Switch 4-4
Travel Alarm (Optional) 4-4
Operating on Soft Ground 4-5
Raise One Track Using Boom and Arm 4-5
Towing Machine a Short Distance 4-6
Operating in Water or Mud 4-7
Parking the Machine on Slopes 4-8
Parking the Machine 4-8

OPERATING THE MACHINE

Control Lever (ISO Pattern Backhoe) 5-1
Control Lever (ISO Pattern Loading Shovel) 5-2
Bucket Open-Close Pedals (Loading Shovel) 5-3
Control Lever (HITACHI Pattern Backhoe) 5-4
Control Lever (HITACHI Pattern Loading Shovel) 5-5
Pilot Control Shut-Off Lever 5-6
Warming-Up Operation 5-7
Auto-Idle 5-8
Engine Speed Control 5-9
Power Mode 5-10
E (Economy) Mode 5-11
P (Power) Mode 5-12
H/P (High Power) Mode 5-13
Heavy Lift 5-14
Operating Backhoe 5-15
Grading Operation 5-15
Avoid Abusive Operation 5-16
Operating Tips 5-17
Select Correct Track Shoes 5-17
Loading Shovel Operation 5-18
Prohibited Operation 5-18
Object Handling 5-21
Overnight Storage Instructions 5-22

TRANSPORTING

Packing Dimensions and Weights for Transportation 6-1

MAINTENANCE

Correct Maintenance and Inspection Procedures .. 7-1
Check the Hour Meter Regularly 7-2
Use Correct Fuels and Lubricants 7-2

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CONTROL LEVER (HITACHI PATTERN LOADING SHOVEL)

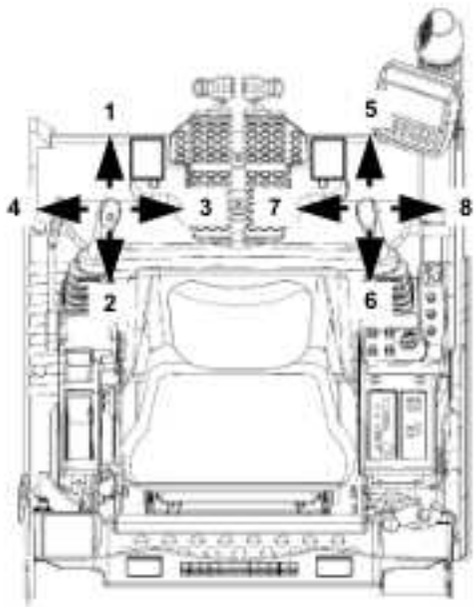
WARNING: Never place any part of body beyond window frame. It could be crushed by the boom if boom control lever is accidentally bumped or otherwise engaged. If window is missing or broken, replace immediately.
Prevent possible injury from unexpected machine movement.
Make sure you know the location and function of each control before operating.

The machine is equipped with a label showing the control patterns of the levers and pedals.

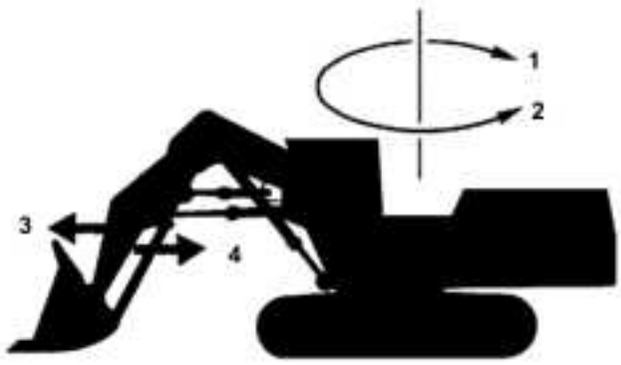
IMPORTANT: When digging, avoid hitting tracks with boom cylinders.
When digging over the end of the tracks, travel motors should be at the rear to maximize machine stability and lift capacity.

When a lever is released, it will automatically return to neutral, and that machine function will stop.

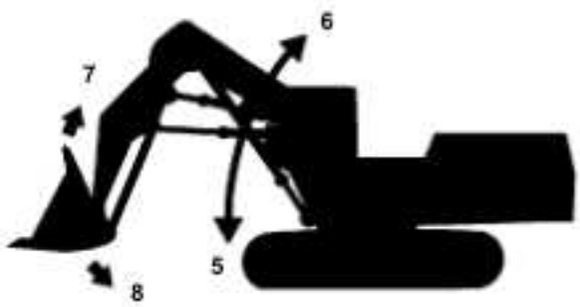
1- Swing Right
2- Swing Left
3- Arm Extend
4- Arm Retract
5- Boom Lower
6- Boom Raise
7- Bucket Tilt-In
8- Bucket Tilt-Out



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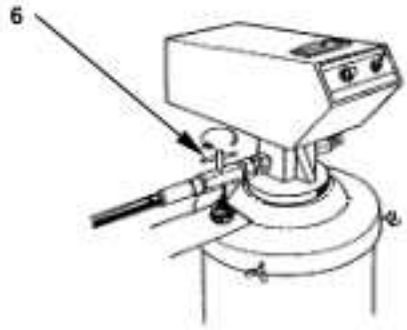
(4) Use the lubricator and grease gun to add grease to each greasing point.

NOTE:
- *See "A. GREASING" in the MAINTENANCE section for how to use the lubricator.*
- *Greasing points, other than bucket pins, swing bearing, and track adjusters, can be lubricated via the fittings provided on the greasing blocks located between the distribution valves and each greasing point.*

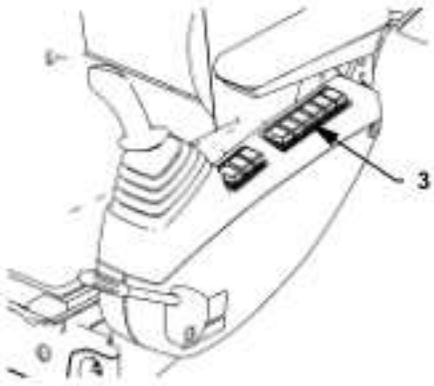
IMPORTANT: After the day's operation, release the remaining pressure from the grease pump to protect it from being damaged, as follows:

(5) Push lubrication mode switch (3) until lubrication mode indicator (4) shows OFF position.

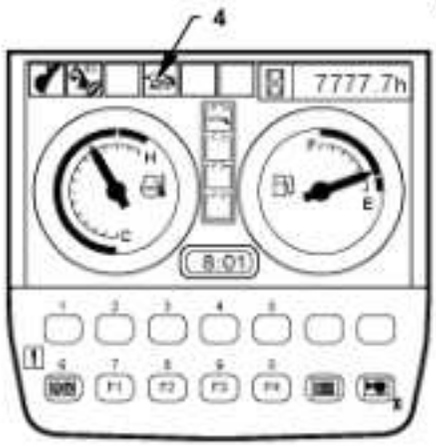
(6) Loosen check valve (6) or pull the grease gun to release the remaining pressure from the grease pump and hose on the hose reel. Some pressurized grease will come out from the check valve or from the grease gun.



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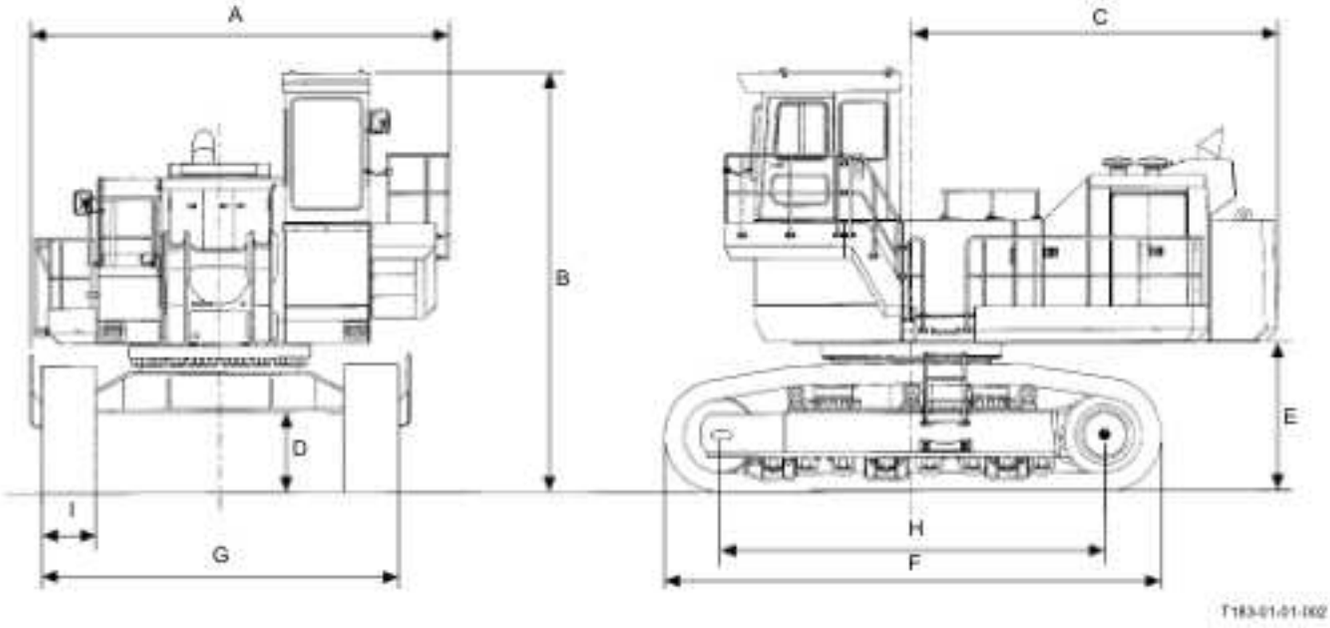


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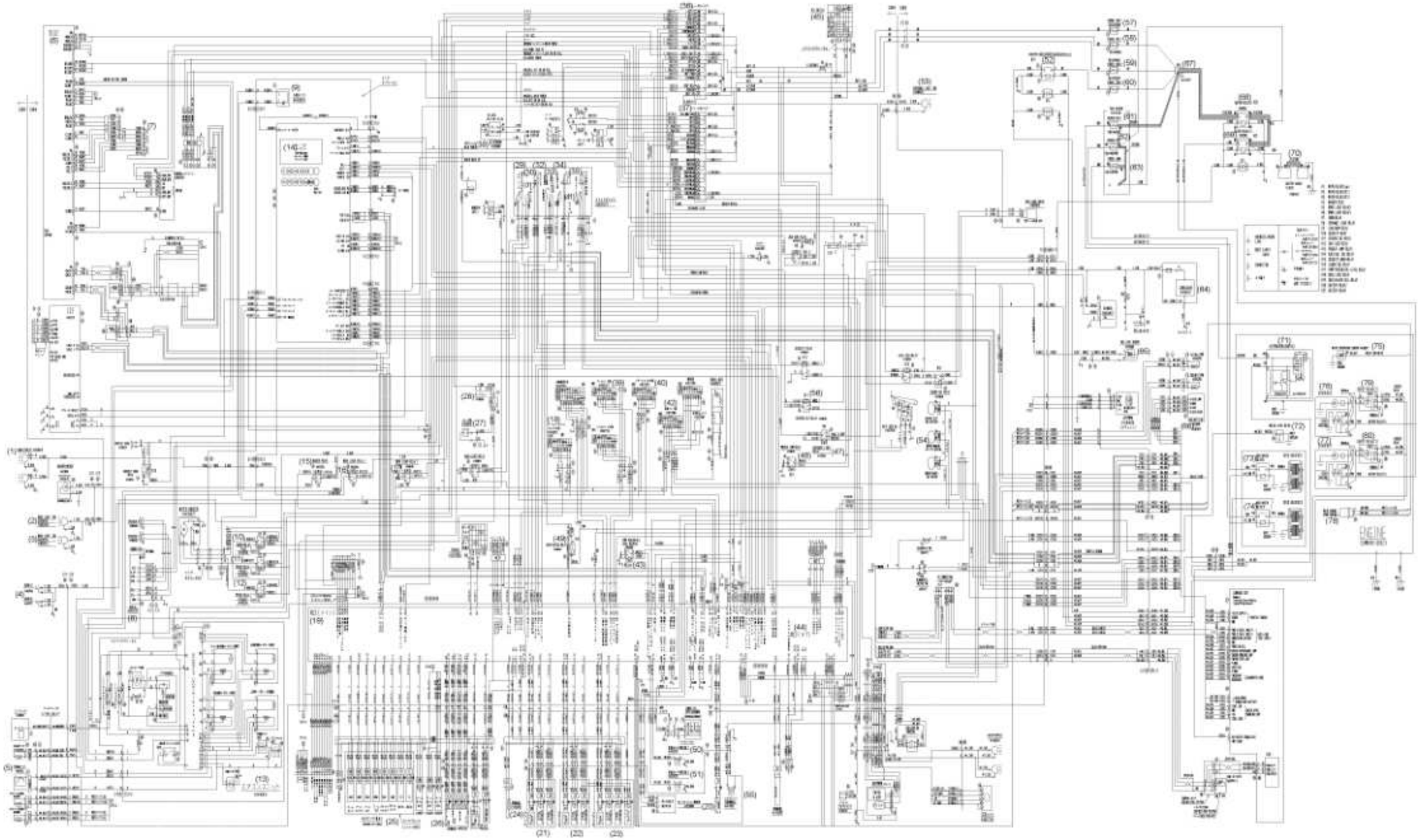


Model	EX1200-6 Hydraulic Excavator
Type of Front-End Attachment	Loading Shovel
Bucket Capacity (Heaped)	PCSA 6.5 m^3 (8.5 yd^3)
Operating Weight	114000 kg (251000 lb)
Base Machine Weight	83800 kg (185000 lb)
Engine	CumminsQSK23 567 kW/1800 min^{-1} (771 PS/1800 rpm)
A: Overall Width	5430 mm (17 ft 10 in)
B: Cab Height	*5440mm (17 ft 10 in)
C: Rear End Swing Radius	4850 mm (15 ft 11 in)
D: Minimum Ground Clearance	1020 mm (3 ft 4 in) (Excluding shoe lug)
E: Counterweight Clearance	1820 mm (6 ft 0 in)
F: Undercarriage Length	6500 mm (21 ft 4 in)
G: Undercarriage Width	4600 mm (15 ft 1 in)
H: Sprocket Center to Idler Center	5090 mm (16 ft 8 in)
I: Track Shoe Width	700 mm (28 in) (Grouser shoe)
Ground Pressure	146 kPa (1.49 kgf/cm^2, 21.2 psi)
Swing Speed	5.8 min^{-1} (rpm)
Travel Speed (Fast/Slow)	3.5/2.4 km/h (2.2/1.5 mph)
Gradeability	35° ($\tan\theta = 0.70$)

*NOTE: * The standard specification loading shovel is equipped with an elevated cab.*

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EX1200-6 ELECTLICAL CIRCUIT DIAGRAM



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