BEFORE OPERATING THE MACHINE

WARNING: *Do not attempt to operate this machine unless you have first read and perfectly understood the safety messages and instructions appearing in this manual.*

CE-NA000

Before operating this machine, be sure to do the following:

1. Check the level of all fluids (engine oil, hydraulic fluid, and coolant) and make sure that the fluids and lubricants are suitable for prevailing conditions. See Chapter 6.
2. Carry out the daily maintenance operations.
3. Inspect the machine, look for any signs of possible leakage and check the hoses. Tighten or replace as necessary. See Chapter 6.
4. See Run-in period if the machine is new or if the engine has been reconditioned.
5. Check the track assemblies.
6. Clean the steps and access handles. Grease, oil, mud or ice (in winter) on the steps and access handles can causes accidents. Make sure they are kept clean at all times.
7. Clean or replace any decals which are illegible. See Decals in Chapter 2.
8. Make sure that the engine hood and the side doors are properly closed and latched.
9. Secure the cab door in either fully closed or fully opened position.
10. Remove any obstructions which hinder visibility. Clean the windshield, the windows and the rear view mirrors.
11. Check that no tools or other items have been left on the machine (be it on the undercarriage or the upperstructure) or in the operator's compartment.
12. Make sure no one is on or under the machine. The operator must be alone on the machine.
13. Make sure nobody is standing in the machine working area.
14. Find out about current safety measures in use on the work site.
15. Work out a convenient means of escape from the machine (emergency exit via the windshield, the rear window glass) in the event of the cab door being jammed or the machine turning over.
16. Before undertaking any travel or working operations during hours of darkness, make sure the lighting and signaling equipment is fully operative.

OPERATING THE MACHINE

WARNING: *Check all controls and safety devices in a safe, open area before starting work.*

CE-NA000

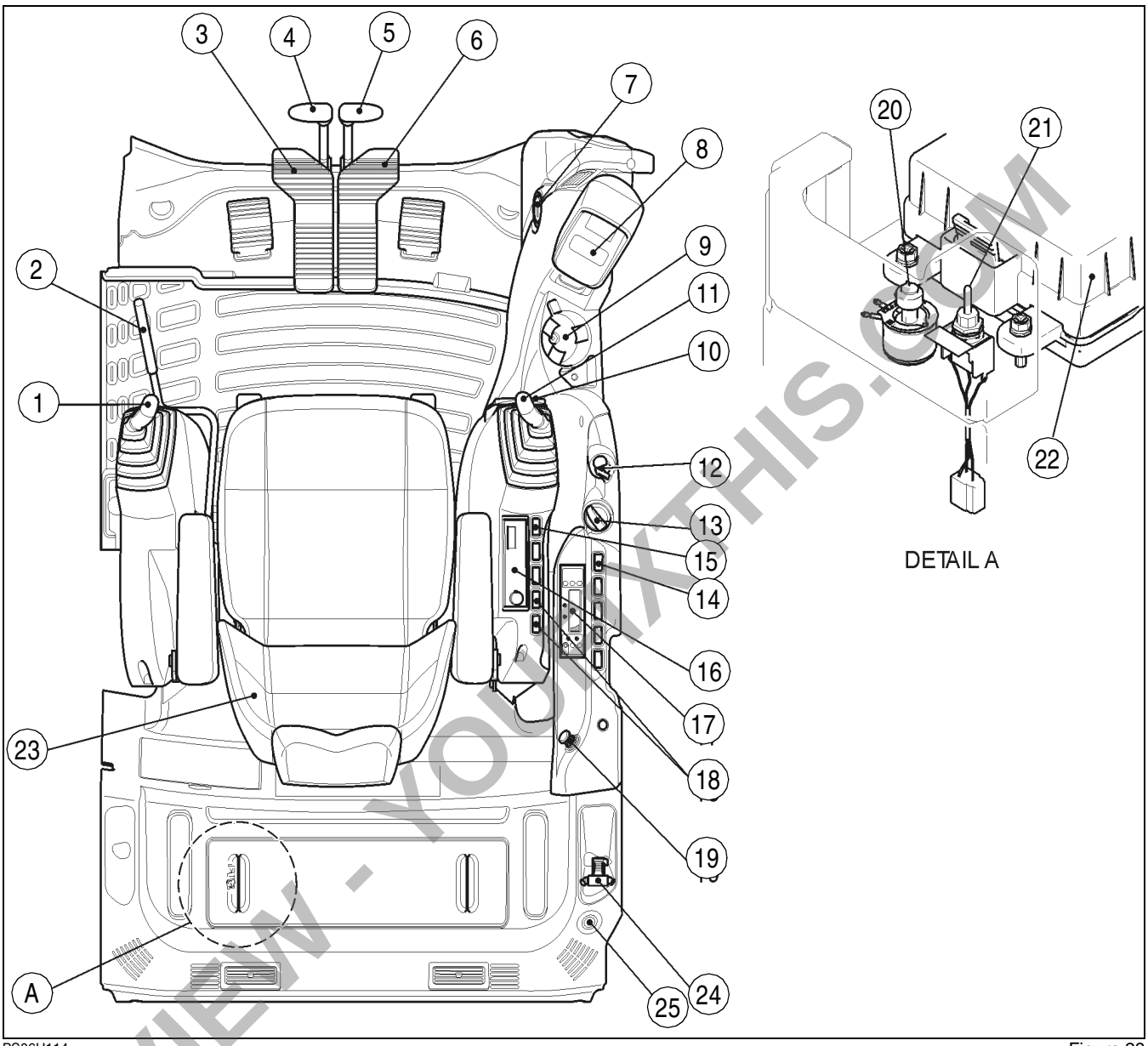
When operating the machine, be sure to do the following:

1. When starting the engine, be sure to use the correct procedure for the prevailing weather conditions. See Starting The Engine in this chapter.
2. Regularly consult the hourmeter to ensure that all servicing operations are carried out punctually. See Chapter 5.
3. If you use your machine in particularly harsh conditions (dusty or corrosive atmosphere), the servicing intervals should be reduced accordingly.
4. Take note of the locations of pipes/cables before starting work.
5. Do not work near overhead high-voltage electric lines without checking beforehand that all necessary measures have been taken to respect the safest distances: See the decal on this machine for safe working distances.
6. When working on a public highway, use standard traffic signs and take into consideration the working range of the upperstructure and its attachments. Local regulations stipulate the number, type and location of reflector strips.
7. Never operate the working or travel controls unless you are properly seated in the operator's seat with the seat belt correctly fastened.
8. Modify your driving to suit the type of work and working conditions. See Operating instructions in the Job Site Operation section.
9. Do not allow anyone within the machine's operating radius. Stop all operations until everyone has moved away.
10. Operate all controls gradually to ensure smooth machine operation.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OPERATOR'S COMPARTMENT CONTROLS AND ACCESSORIES



BS06H114

Figure 28

COMPONENTS

1. LEFT HAND OPERATOR CONTROL LEVER (HORN SWITCH)
2. SAFETY LOCK LEVER
3. LEFT TRAVEL PEDAL
4. LEFT TRAVEL LEVER
5. RIGHT TRAVEL LEVER
6. RIGHT TRAVEL PEDAL
7. HOUR METER
8. GAUGE CLUSTER
9. CUP HOLDER
10. ASH TRAY
11. RIGHT HAND OPERATOR CONTROL LEVER (POWER BOOST SWITCH)
12. STARTER KEY SWITCH
13. THROTTLE POTENTIOMETER
14. WORKING LIGHT SWITCH (BOOM, DECK)
15. TRAVEL ALARM SELECT SWITCH (OPTION)
16. RADIO
17. AIR CONDITIONER CONTROL PANEL
18. OPTIONAL SWITCHES
19. CIGARETTE LIGHTER
20. POTENTIOMETER FOR EMERGENCY MODE
21. SWING PARKING BRAKE RELEASE SWITCH
22. FUSE & RELAY BOX
23. OPERATOR SEAT
24. LIFE HAMMER
25. 12 VOLT SUPPLY

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

LUBRICATION AND MAINTENANCE QUICK REFERENCE CHART

Service intervals	page	Service points	INITIAL NEW MACHINE	Intervals in hours				
				clean	check	replace	lubricate	drain
As Required (AR)	6-32	Fan and air conditioning drive belt				AR		
	6-41	Air filter			AR			
	6-23	Fuel tank filter			AR	AR		
	6-17	Steel track shoe bolt torque			AR			
Every 8 hours	6-12	Engine oil level			8			
	6-44	Coolant level			8			
	6-14	Hydraulic reservoir level			8			
	6-24	Radiator and oil cooler			8			
	6-32	Fan/alternator belt tension			8			
Every 50 hours	6-20	Attachment					50	
	6-23	Drain fuel tank sediment						50
	6-58	Hydraulic system lines			50			
	6-42	Hydraulic return filter				50		
	6-17	Track shoe bolt torque	Run-in		50			
	8-23	Bolt and nut torque	Run-in		50			
	6-26	Battery check			50			
Every 250 hours	6-18	Idler wheel and rollers			250			
	6-46	Hydraulic Breaker return filter				250		
	6-33	Radiator hoses & clamps			250			
	6-28	Swing reduction gear	Run-in					250
	6-31	Travel reduction gears	Run-in					250
	6-17	Track shoe bolt torque			250			
	8-23	Bolt and nut torque			250			
	6-27	Fan/alternator belt tension			250			
	6-26	Battery electrolyte level			250			
Every 500 hours	6-21	Engine oil	50			500		
	6-21	Engine oil filters	50			500		
	6-20	Machine Grease Points					500	
	6-28	Turntable bearing					500	
	6-35	Fuel filter				500		
	6-35	Fuel pre-filter				500		
Every 1000 hours	6-20	Attachment					1000	
	6-46	Hydraulic fluid condition			1000			
	6-46	Reservoir breather filter				1000		
	6-42	Hydraulic return filters				1000		
	6-41	Primary air filter element		250		1000		
	6-41	Secondary air filter element		250		1000		
	SM	Tappet clearances			1000			

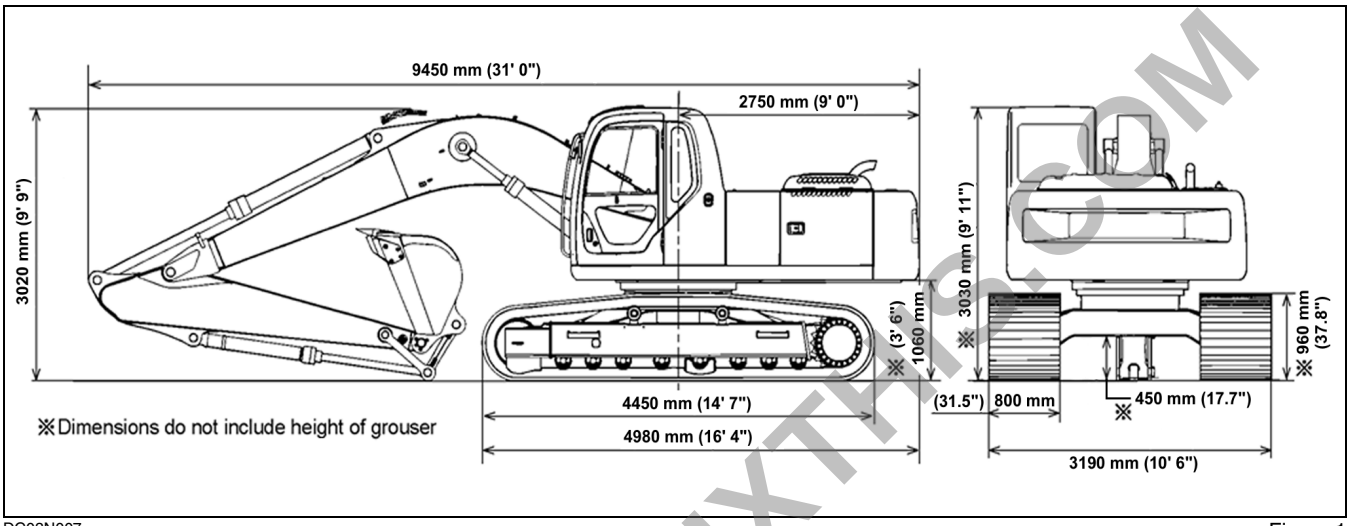
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SK210-8 GENERAL SPECIFICATIONS

The specifications found in this section are given on the Standard SK210-8 Hydraulic Excavator as manufactured by Kobelco Construction: **Boom 6.5 m (21' 4"), Arm 2.94 m (9' 8"), and 0.80 m^3 (1.05 yd^3) SAE Bucket**. No modification or options are taken into consideration in regard to these specifications.

MACHINE DIMENSIONS



DC03N007

Figure 1

WORKING WEIGHT

TRIPLE GROUSER SHOES				
Track Shoe Width - mm (in)	600 (23.6)	700 (27.6)	800 (31.5)	900 (35.4)
Overall Width - m (ft - in)	3.00 (9' 10")	3.09 (10' 2")	3.19 (10' 6")	3.29 (10' 10")
Ground Pressure - kg/cm^2 (psi)	0.42 (5.97)	0.38 (5.40)	0.34 (4.83)	0.30 (4.27)
Working Weight - kg (lbs)		21 000 (46 300)	21 315 (47 000)	21 500 (47 400)
Bucket Weight: 650 kg (1,430 lbs)				

DIGGING FORCES

	ARM LENGTH		
	2.4 m (7' 10")	**2.94 m (9' 8")**	**3.5 m (11' 6")**
Bucket Digging Force	*14 379 kgf (*31 700 lbf)	*14 379 kgf (*31 700 lbf)	13 063 kgf (28 800 lbf)
Arm Crowding Force	*10 523 kgf (*23 200 lbf)	*11 113 kgf (*24 500 lbf)	8 754 kgf (19 300 lbf)
	*** Power boost engaged.**		

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TORQUE SPECIFICATIONS

The following Torque Specifications are provided for use when actual torque value of a fastener is not known.

CAPSCREWS & NUT

METRIC COARSE THREAD STANDARD TIGHTENING TORQUE VALUES

Make certain to tighten all Capscrews & Nuts to proper torque values.

Metric Coarse Thread Standard Tightening Torque Values							
Classification		4.8 T		7 T		10.9 T	
NOMINAL SIZE		NO LUBRICATION	OIL LUBRICATION	NO LUBRICATION	OIL LUBRICATION	NO LUBRICATION	OIL LUBRICATION
M6	P=1	0.45 ± 0.05 (3.2 ± 0.4)	0.38 ± 0.04 (2.7 ± 0.3)	0.98 ± 0.1 (7.1 ± 0.7)	0.83 ± 0.08 (6.0 ± 0.6)	1.77 ± 0.18 (12.8 ± 1.3)	1.5 ± 0.15 (10.8 ± 1.1)
M8	P=1.25	1.09 ± 0.11 (7.9 ± 0.8)	0.92 ± 0.09 (6.6 ± 0.7)	2.4 ± 0.2 (17.3 ± 1.4)	2.0 ± 0.2 (14.4 ± 1.4)	4.3 ± 0.4 (31.0 ± 2.9)	3.6 ± 0.4 (26.0 ± 2.9)
M10	P=1.5	2.2 ± 0.2 (15.9 ± 1.4)	1.83 ± 0.18 (13.2 ± 1.3)	4.7 ± 0.5 (33.9 ± 3.6)	4.0 ± 0.4 (28.9 ± 2.9)	8.5 ± 0.9 (61.3 ± 6.5)	7.2 ± 0.7 (52.0 ± 5.1)
M12	P=1.75	3.7 ± 0.4 (26.7 ± 2.9)	3.2 ± 0.3 (23.1 ± 2.2)	8.1 ± 0.8 (58.5 ± 5.8)	6.8 ± 0.7 (49.1 ± 5.1)	14.6 ± 1.5 (105 ± 10.8)	12.3 ± 1.2 (88.8 ± 8.7)
M14	P=2	5.9 ± 0.6 (42.6 ± 4.3)	5.0 ± 0.5 (36.1 ± 3.6)	12.8 ± 1.3 (92.5 ± 9.4)	10.8 ± 1.1 (78.0 ± 7.9)	23 ± 2 (166 14)	19.5 ± 1.9 (140 ± 14)
M16	P=2	9.0 ± 0.9 (64.9 ± 6.5)	7.6 ± 0.7 (54.8 ± 5.1)	19.5 ± 2.0 (140 ± 14.4)	16.4 ± 1.6 (118 ± 11.5)	35 ± 4 (252 ± 28.9)	29 ± 3 (209 ± 21.6)
M18	P=2.5	12.4 ± 1.2 (89.6 ± 8.7)	10.5 ± 1.0 (75.8 ± 7.2)	27 ± 3 (195 ± 22)	23 ± 2 (166 ± 14)	49 ± 5 (354 ± 36)	41 ± 4 (296 ± 29)
M20	P=2.5	17.5 ± 1.7 (126 ± 12.3)	14.7 ± 1.4 (106 ± 10.1)	38 ± 4 (274 ± 29)	32 ± 3 (231 ± 22)	68 ± 7 (491 ± 51)	57 ± 6 (412 ± 43)
M22	P=2.5	23 ± 2 (166 ± 14)	19.6 ± 2 (142 ± 14)	51 ± 5 (368 ± 36)	43 ± 4 310 ± 29)	92 ± 9 (663 ± 65)	77 ± 7 (555 ± 58)
M24	P=3	30 ± 3 (217 ± 22)	24 ± 3 (173 ± 22)	65 ± 7 (469 ± 51)	53 ± 5 (383 ± 36)	118 ± 12 (852 ± 87)	96 ± 10 (693 ± 72)
M27	P=3	44 ± 4 (318 ± 29)	36 ± 3 (260 ± 22)	96 ± 10 (693 ± 72)	78 ± 8 (563 ± 58)	173 ± 17 (1250 ± 120)	140 ± 14 (1010 ± 100)
M30	P=3.5	60 ± 6 (433 ± 43)	50.5 ± 5 (361 ± 36)	131 ± 13 (946 ± 94)	110 ± 11 (794 ± 79)	235 ± 24 (1700 ± 170)	198 ± 20 (1430 ± 140)
M33	P=3.5	81 ± 8 (585 ± 58)	68 ± 7 (491 ± 51)	176 ± 18 (1270 ± 130)	148 ± 15 (1070 ± 110)	317 ± 32 (2290 ± 200)	266 ± 27 (1920 ± 200)
M36	P=4	105 ± 10 (758 ± 72)	88 ± 9 (636 ± 65)	227 ± 23 (1640 ± 170)	190 ± 19 (1370 ± 140)	409 ± 41 (2960 ± 300)	343 ± 34 (2480 ± 250)
							TORQUE VALUE UNIT: kgf (ft-lbs)

PREVIEW. YOUFIXTHIS.COM

Download full manual at youfixthis.com

TABLE OF CONTENTS

CHAPTER 1
GENERAL INFORMATION
To the Owner 1-1
Right, Left, Front, and Rear of the Machine 1-2
Machine Components 1-3
Identification Numbers 1-4

CHAPTER 2
SAFETY, DECALS, AND HAND SIGNALS
Table of Contents 2-1
Safety Rules 2-3
Operator Precautions 2-4
Decals 2-10
Hand Signals 2-28

CHAPTER 3
INSTRUMENTS AND CONTROLS
Table of Contents 3-1
Operator Cab and Operator Seat 3-3
Machine Access Compartments and Doors 3-9
Operator's Compartment Controls and Accessories 3-11
B1. I.T.C.S. Controller CPU Display 3-19
Operating Levers and Controls 3-37

CHAPTER 4
OPERATING INSTRUCTIONS
Table of Contents 4-1
Before Operating the Machine 4-3
Operating the Machine 4-3
Starting & Stopping Machine Engine with Temperature above 0°C (32°F) 4-4
Starting & Stopping Machine Engine with Temperature below 0°C (32°F) 4-5
Starting Machine Engine with Booster Cable 4-6
Machine Warm Up 4-8
Control Decal 4-10
Basic Operation of Hydraulic Controls 4-11
Using Auto Acceleration 4-19
Practices to Improve Efficiency 4-20
Machine Operation in Adverse Weather Conditions 4-22
Recommendation for Longer Undercarriage Life 4-23
Bucket Selection Guide 4-23
Use of Optional Attachment 4-24
Transportation 4-35
Machine Storage 4-40

CHAPTER 5
LUBRICATION, FILTERS, AND FLUIDS
Table of Contents 5-1
Fluids and Filters 5-3
Lubricant Specifications 5-5
Use of Bio-Degradable Oils 5-6

CHAPTER 6
MAINTENANCE AND ADJUSTMENTS
Table of Contents 6-1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF DEATH OR SERIOUS INJURY

M171D

Safety Decals on this machine use the words **Danger, Warning, or Caution,** which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW
- Prohibition symbols such as and if used, are RED.

WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Kobelco Construction, LLC instructions on machine operation and maintenance.

WARNING_01_NA

CALIFORNIA

PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery post, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

Copyright © 2010 Kobelco Construction, LLC
All Rights Reserved

Kobelco is a registered trademark of CNH America LLC

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Chapter 9
INDEX

Symbols

"Tag-Out" Machine 6-6

A

Adjustment of Control Stand Height 3-8
Air Cleaner 6-41
Air Conditioning Compressor Belt 6-32
Air Intake System 6-24
Alternator 7-3
Arm 8-6
Arm Cylinder Hoses and Tubes 6-59
Arm Operation 4-17
Arm Rest Adjustment 3-7
Attachment Lubrication 6-20
Attachment Working Ranges 8-4
Auto Warm Up 4-8

B

Back Filling & Leveling with Front Attachment .. 4-21
Basic Operation of Hydraulic Controls 4-11
Batteries 6-26, 7-5
Before Operating the Hydraulic Breaker 4-25
Before Operating the Machine 4-3
Bleeding the Pilot System 6-67
Boom 8-6
Boom & Arm 6-19
Boom Cylinder Hoses and Tubes 6-59
Boom Operation 4-15
Bucket 6-53, 8-6
Bucket Cylinder and Nibbler/Breaker Hoses & Tubes 6-59
Bucket Operation 4-17
Bucket Selection Chart 8-5
Bucket Selection Guide 4-23
Bucket Teeth and Side Cutters 6-56
Bucket Teeth Direction 4-20
Bucket, Arm, & Link Clearance 6-53
Burn Prevention 2-8
Buzzer Stop Switch 3-14

C

Cab Dome Light 3-5
Cab Door Latch 3-3
Change Hydraulic Oil 6-46
Change Oil in Swing Reduction Unit 6-37
Change Oil in Travel Motor Reduction Units 6-36
Change Swing Ring Grease Bath 6-50
Check Swivel Valve for Leakage 6-29
Checking and Cleaning Fuel Tank and Strainer .6-38
Checking Swing Gear Attaching Bolts for Proper Torque 6-29
Checking the Air Conditioning Refrigerant 6-39
Checking the Engine RPM 6-39
Checking the Radiator Cap & Hoses 6-33
Cleaning Parts 6-6
Cleaning Sand & Soil from Bucket 4-20
Cleaning Suction Strainer 6-47
Climatizer - AC Unit Filter Inspection 6-32
Components & Controls Nomenclature 3-12
Connecting Booster Cable 4-6
Control Decal 4-10
Control Lever Joint Lubrication 6-30
Control Stand Front to Back Adjustment 3-7
Counter Rotating Machine 4-14

D

Decals 2-10
Digging Forces 8-3
Disposal of Hazardous Waste 6-5
Document Pouch 3-6
Dust Seals 6-52

E

Engine 1-4, 8-8
Engine Accessory Belt Wear and Tension 6-27, 6-32
Engine Coolant Change 6-44
Engine Coolant Level 6-12
Engine Coolant Tank & Engine Air Cleaner Access Doors 3-9
Engine Cover 3-10
Engine Electrical 6-13
Engine Fluid Leaks 6-13
Engine Lubrication Cumulative Time 3-17
Engine Oil and Filter Element 6-21
Engine Oil Level 6-12
Engine Speed 8-8
Engine Valve Clearance 6-41
Extra (Grapple, clamshell, etc.) and Extra & Breaker 4-32

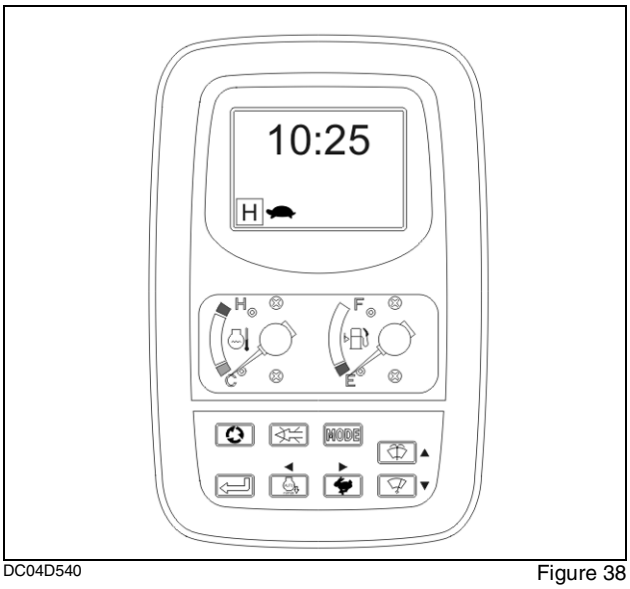
F

Fan Belts 6-32
Fire Extinguisher 2-9
Flare Type Fitting Joints 8-22

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

L.C.D. DISPLAY



DC04D540 Figure 38

The LCD Display is illustrated above and will display the Icons listed in this section. Study these icons and their definitions so that possible problems will be quickly recognized and repairs made in a timely fashion.

A. NORMAL DISPLAYS

A1. System Status Display

MONITOR SYSTEM	OK

This icon will display after key switch is turned "ON" and all machine system and components are checked by CPU and found to be good **working order.**

A2. Day Time Display

10 : 10

Five seconds after the system status is shown on the LCD, the time will be displayed on the monitor. See "Monitor Time Adjustment" in this section for details on how to set the 24 hour clock feature.

A3. Engine R.P.M. Display

2250RPM

Actual engine speed. When auto accel is deactivated, RPM shown corresponds to the throttle potentiometer position.

A4. Engine Lubrication Cumulative Time

256Hr E/G	OIL	AFT CH

256 hours have elapsed since the change of engine oil.

This icon shows the total cumulative time since the last time the engine oil was changed.

A5. Fuel Filter Cumulative Time

256Hr FUEL	FIL	AFT CH

256 hours have elapsed since the change of fuel filter.

This icon shows the total cumulative time since the last time the fuel filter was changed.

A6. Hydraulic Filter Cumulative Time

256Hr HYD	FIL	AFT CH

256 hours have elapsed since the change of hydraulic oil filter.

This icon shows the total cumulative time since the last time the hydraulic oil filter was changed.

A7. Hydraulic Oil Cumulative Time

256Hr HYD	OIL	AFT CH

256 hours have elapsed since the change of hydraulic oil.

This icon shows the total cumulative time since the last time the hydraulic oil was changed.

A8. Travel Independent Mode Display

TRAVEL INDEP. MODE

This icon will display every time the independent travel mode is activated (Standard).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TRANSPORTATION

GROUND TRANSPORTATION

1. Machine Preparation

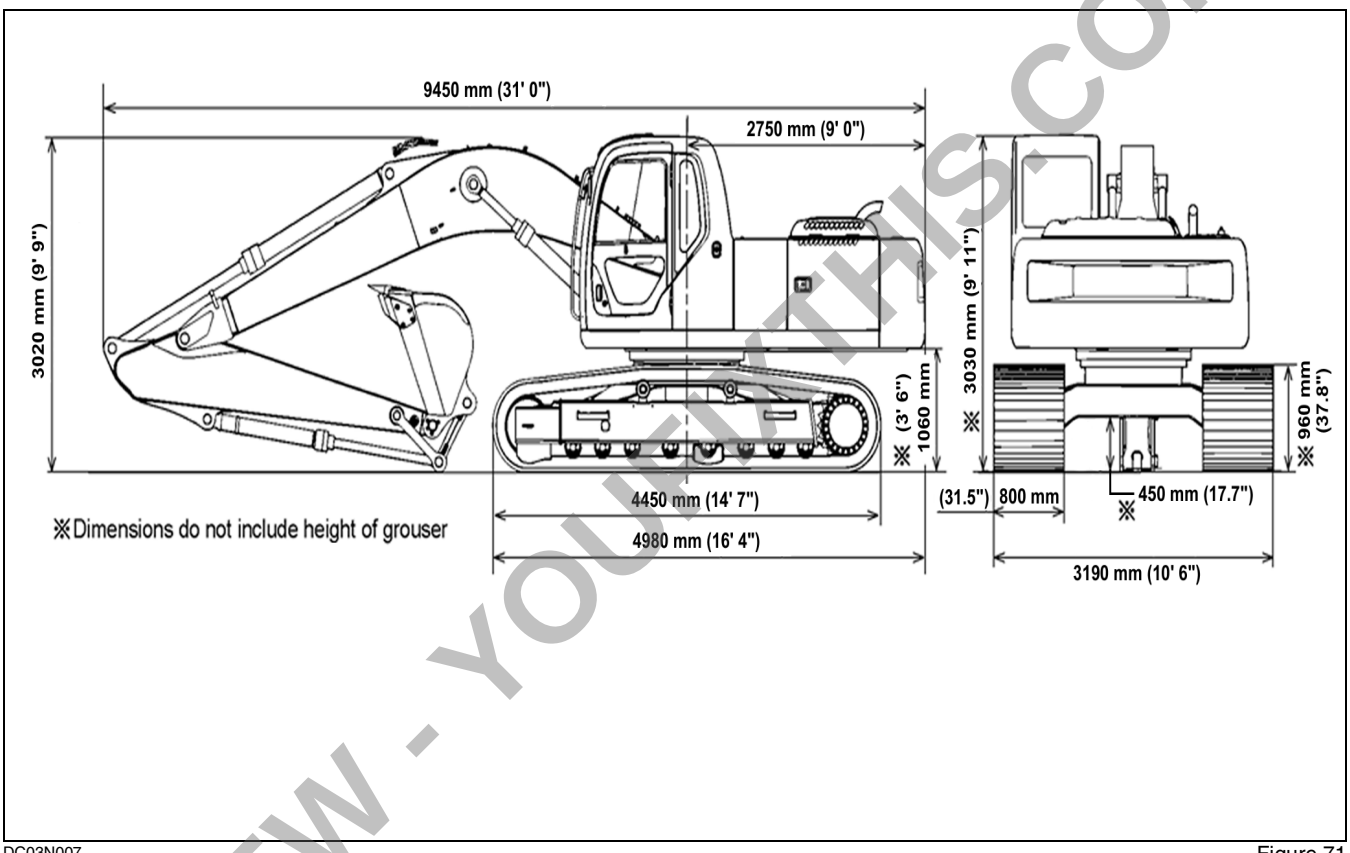
a. Know the total weight, length, width and height of the machine being transported.

b. Know route to be traveled. Investigate bridges, overpasses, height of road signs on route.

c. Obtain any permits required from proper government agencies for machine transportation.

d. Use only a trailer with a rated capacity sufficient to transport the machine.

e. Make certain trailer has ramps or a ramp is available for loading and unloading the machine.



DC03N007

Figure 71

2. Loading the Machine

WARNING: *Never attempt to load or unload machine without ramps.*

a. Apply parking brakes on tractor and trailer and chock trailer wheels before attempting to load or unload machine.

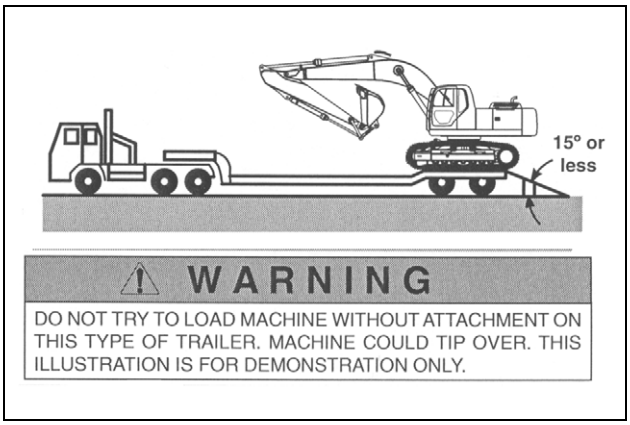
b. Lower ramps of trailer.

c. Start the machine.

d. Set travel speed to LOW 1st speed.

e. Move throttle control to low idle position.

f. Put Auto Accel function OFF.



DC03K083

Figure 72

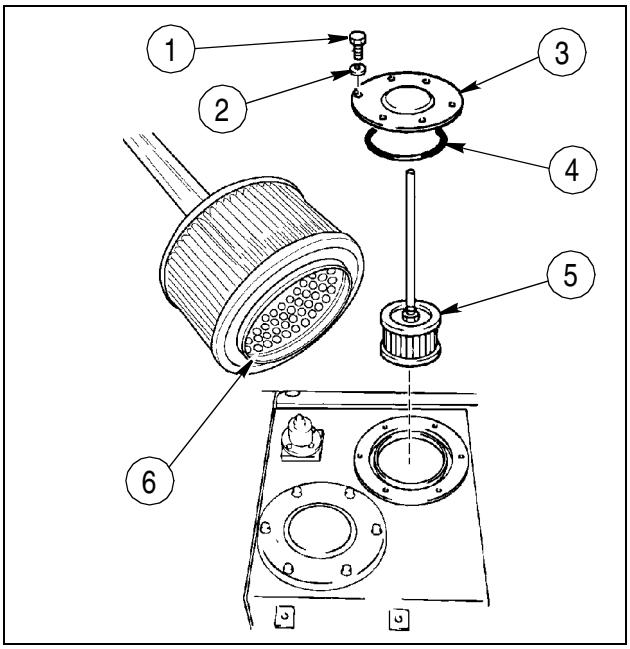
g. Raise the attachment and slowly travel machine up trailer ramps and over rear axles of trailer.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

7. Slowly remove the six retaining bolts from the suction strainer cover plate.

CLEANING SUCTION STRAINER

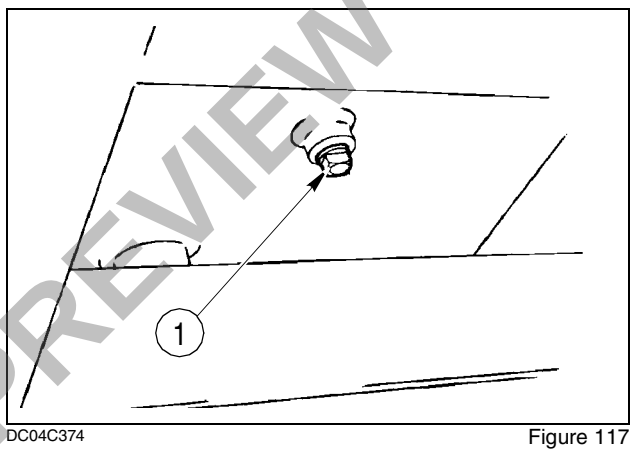


DC04C376 Figure 116

1. BOLT
2. LOCK WASHER
3. COVER
4. O-RING
5. SUCTION STRAINER
6. STRAINER O-RING

8. Remove cover, O-ring, and strainer from hydraulic tank.

9. Remove the O-ring from the bottom of the strainer.



DC04C374 Figure 117

1. DRAIN PLUG

10. Place a 223 Liter (59 Gal) empty container under the hydraulic tank drain plug. Remove plug and allow all oil from hydraulic tank to drain into container.

11. Remove return filters. See Figure 103, page 6-42.

12. After all oil has drained, carefully and thoroughly clean inside of hydraulic tank.

13. Install hydraulic tank drain plug and tighten securely.

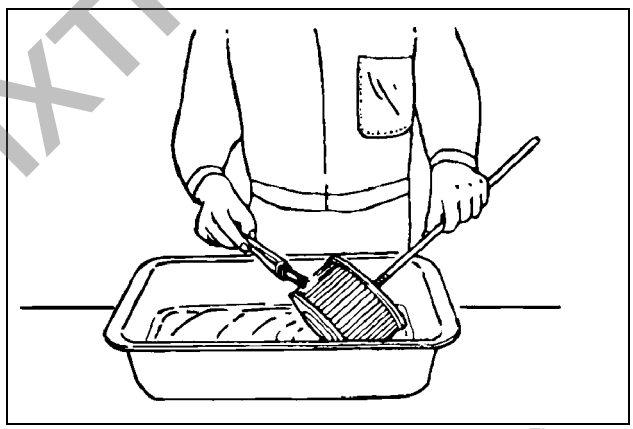
14. Inspect return filter and oil for signs of abnormal wear.

15. Clean hydraulic tank covers, spring, and bypass valve.

16. Install new return filter elements along with the bypass valve and spring. See Figure 103, page 6-42.

NOTE: *Make sure to install the correct filter element for a Standard Excavator and for an Excavator with Nibbler & Breaker attachment. Check Parts Catalog.*

17. Remove the special suction stopper from suction tube.



DC04C373 Figure 118

18. Clean and inspect suction strainer for damage. Replace strainer if needed.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 11 of 238 pages

The full manual includes:

- All 238 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kobelco SK210-8 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual