

## 4. MAINTENANCE CHECK LIST

### 1) DAILY SERVICE BEFORE STARTING

Check items	Service	Page
Visual check		
Fuel tank	Check, Refill	6-26
Hydraulic oil level	Check, Add	6-29
Engine oil level	Check, Add	6-18
Coolant level	Check, Add	6-20
Control panel & pilot lamp	Check, Clean	6-39
Prefilter(water, element)	Check, Drain	6-28
Fan belt tension	Check, Adjust	6-24

### 2) EVERY 50 HOURS SERVICE

Check items	Service	Page
Fuel tank	Drain	6-26
Track tension	Check, Adjust	6-34
Swing bearing	Lubricate	6-32
Swing reduction gear oil	Check, Add	6-32
Lubricate pin and bushing	Lubricate	6-38
<ul style="list-style-type: none"> <li>• Boom cylinder tube end</li> <li>• Boom foot</li> <li>• Boom cylinder rod end</li> <li>• Arm cylinder tube end</li> <li>• Arm cylinder rod end</li> <li>• Boom + Arm connecting</li> <li>• Bucket cylinder tube end</li> <li>• Bucket cylinder rod end</li> <li>• Arm + Bucket connecting</li> <li>• Arm + Link, Bucket control</li> <li>• Bucket control rod</li> </ul>		

### 3) INITIAL 50 HOURS SERVICE

Check items	Service	Page
Engine oil	Change	6-18, 19
Engine oil filter	Replace	6-18, 19
Prefilter(water, element)	Replace	6-28
Fuel filter	Replace	6-27
Bolts & Nuts	Check, Tight	6-8
· Sprocket mounting bolts		
· Travel motor mounting bolts		
· Swing motor mounting bolts		
· Swing bearing mounting bolts		
· Engine mounting bolts		
· Counterweight mounting bolts		
· Turning joint locating bolts		
· Track shoe mounting bolts and nuts		
· Hydraulic pump mounting bolts		

**Service the above items only for the new machine, and thereafter keep the normal service interval.**

### 4) EVERY 100 HOURS SERVICE

Check items	Service	Page
★ Return filter	Replace	6-30
★ Pilot line filter	Replace	6-31
★ Element in hydraulic tank breather	Replace	6-31
★ Drain filter cartridge	Replace	6-31

**★ Replace 4 filters for continuous hydraulic breaker operation only.**

### 5) INITIAL 250 HOURS SERVICE

Check items	Service	Page
Pilot line filter	Replace	6-31
Hydraulic return filter	Replace	6-30
Drain filter cartridge	Replace	6-31

## 6) EVERY 250 HOURS SERVICE

Check items	Service	Page
Battery electrolyte	Check, Add	6-39
☆ Swing reduction gear oil	Change	6-32
☆ Swing reduction grease	Check, Add	6-32
Element in hydraulic tank breather	Replace	6-31
Air conditioner and heater(Recirculation filter)	Clean	6-43
Bolts & Nuts	Check, Tight	6-8
· Sprocket mounting bolts		
· Travel motor mounting bolts		
· Swing motor mounting bolts		
· Swing bearing mounting bolts		
· Engine mounting bolts		
· Counterweight mounting bolts		
· Turning joint locating bolts		
· Track shoe mounting bolts and nuts		
· Hydraulic pump mounting bolts		

☆ Change oil and add grease after initial 250 hours of operation.

## 7) EVERY 500 HOURS SERVICE

Check items	Service	Page
◆Engine oil	Change	6-18, 19
◆Engine oil filter	Replace	6-18, 19
Radiator and cooler fin	Inspect, Clean	6-23
★Air cleaner element(Primary)	Check, Clean	6-26
Fuel filter	Replace	6-27
Travel reduction gear oil	Check, Add	6-33
☆Travel reduction gear oil	Change	6-33

★ Clean the primary element only after 500 hours operation or when the air cleaner warning lamp blinks.  
Replace primary element and safety element after 4 times cleanings of primary element.

☆ Change oil after initial 500 hours of operation.

◆ If you use high sulfur containing fuel above then 0.5% or use low grade of engine oil reduce change interval.

### 8) EVERY 1000 HOURS SERVICE

Check items	Service	Page
Pilot line filter	Replace	6-31
Travel motor reduction gear oil	Change	6-33
Swing reduction gear oil	Change	6-32
Swing reduction grease	Refill	6-32
Grease in swing gear and pinion	Change	6-33
Hydraulic oil return filter	Replace	6-30
Drain filter cartridge	Replace	6-31

### 9) EVERY 2000 HOURS SERVICE

Check items	Service	Page
Hydraulic tank		
★ · Oil	Change	6-29
· Suction strainer	Check, Clean	6-30
Coolant	Change	6-20, 21, 22, 23

★Change oil every 600 hours of continuous hydraulic breaker operation.

## 10) WHEN REQUIRED

Whenever you have trouble in the machine, you must perform the service of related items, system by system.

Check items	Service	Page
Fuel system		
· Fuel tank	Drain or Clean	6-26
· Prefilter(water, element)	Drain or Replace	6-28
· Fuel filter	Replace	6-27
Engine lubrication system		
· Engine oil	Change	6-18, 19
· Engine oil filter	Replace	6-18, 19
Engine cooling system		
· Coolant	Add or Change	6-20, 21, 22, 23
· Radiator	Clean or Flush	6-20, 21, 22, 23
Engine air system		
· Air cleaner element	Replace	6-26
Hydraulic system		
· Hydraulic oil	Add or Change	6-29
· Return filter	Replace	6-30
· Drain line filter	Replace	6-31
· Pilot line filter	Replace	6-31
· Element of breather	Replace	6-31
· Suction strainer	Clean	6-30
Undercarriage		
· Track tension	Check, Adjust	6-34
Bucket		
· Tooth	Replace	6-36
· Side cutter	Replace	6-36
· Linkage	Adjust	6-37
· Bucket assy	Replace	6-35
Air conditioner and heater		
· Fresh filter	Clean, Replace	6-42
· Recirculation filter	Clean	6-43