

## 4. MAINTENANCE CHECK LIST

### 1) DAILY SERVICE BEFORE STARTING

Check items	Service	Page
Visual check		
Fuel tank	Check, Refill	6-27
Hydraulic oil level	Check, Add	6-30
Engine oil level	Check, Add	6-18
Coolant level	Check, Add	6-20
Control panel & pilot lamp	Check, Clean	6-40
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	6-27
Track tension	Check, Adjust	6-36
Swing bearing	Lubricate	6-34
Swing reduction gear oil	Check, Add	6-33
Lubricate pin and bushing	Lubricate	6-39
<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 rod end + Boom</li> <li>· Bucket cylinder tube end</li> <li>· Arm + Bucket connecting</li> <li>· Bucket dump cylinder</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	6-32
★ Pilot line filter	Replace	6-33
★ Element in hydraulic tank breather	Replace	6-32
★ Drain filter cartridge	Replace	6-32

★ Replace 4 filters for continuous hydraulic breaker operation only.

## 5) EVERY 250 HOURS SERVICE

Check items	Service	Page
★ Engine oil	Change	6-18, 19
★ Engine oil filter	Replace	6-18, 19
Battery electrolyte	Check, Add	6-41
☆ Swing reduction gear oil	Change	6-33
☆ Swing reduction grease	Check, Add	6-33
Element in hydraulic tank breather	Replace	6-32
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		

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

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

## 6) EVERY 500 HOURS SERVICE

Check items	Service	Page
Prefilter	Replace	6-28
Radiator and cooler fin	Inspect, Clean	6-23
☆ Air cleaner element	Check, Clean	6-26
Fuel filter	Replace	6-27
Travel reduction gear oil	Check, Add	6-34
◆ Travel reduction gear oil	Change	6-35

☆ 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.

## 7) EVERY 1000 HOURS SERVICE

Check items	Service	Page
Hydraulic oil return filter	Replace	6-32
Drain filter cartridge	Replace	6-32
Pilot line filter	Replace	6-33
Travel motor reduction gear oil	Change	6-34
Swing reduction gear oil	Change	6-32
Swing reduction grease	Refill	6-32
Grease in swing gear and pinion	Change	6-33
Corrosion resistor (Coolant filter)	Change	6-29

## 8) EVERY 2000 HOURS SERVICE

Check items	Service	Page
Hydraulic tank suction strainer	Check, Clean	6-31
Coolant	Change	6-20, 21, 22, 23
Hydraulic oil * <sup>1</sup>	Change	6-31

\*<sup>1</sup> Conventional hydraulic oil

## 9) EVERY 5000 HOURS SERVICE

Check items	Service	Page
Hydraulic oil * <sup>2</sup>	Change	6-31

\*<sup>2</sup> Hyundai genuine long life hydraulic oil

## 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	6-27
· 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	6-28
· Return filter	Replace	6-32
· Drain line filter	Replace	6-32
· Pilot line filter	Replace	6-33
· Element of breather	Replace	6-32
· Suction strainer	Clean	6-31
Undercarriage		
· Track tension	Check, Adjust	6-36
Bucket		
· Tooth	Replace	6-38
· Side cutter	Replace	6-38
· Linkage	Adjust	6-39
· Bucket assy	Replace	6-37
Air conditioner and heater		
· Fresh filter	Clean, Replace	6-43
· Recirculation filter	Clean, Replace	6-44