

## 4. MAINTENANCE CHECK LIST

### 1) DAILY SERVICE BEFORE STARTING

Check items	Service	Page
Visual check		
Fuel tank	Check, Refill	6-25
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	Check, Clean	6-26
Fan belt tension	Check, Adjust	6-24
★ Attachment pin and bushing	Lubricate	6-38
· Boom cylinder tube end		
· Boom foot		
· Boom cylinder rod end		
· Arm cylinder tube end		
· Arm cylinder rod end		
· Boom + Arm connecting		
· Bucket cylinder tube end		

★ Lubricate every 10 hours or daily for initial 100 hours.

### 2) EVERY 50 HOURS SERVICE

Check items	Service	Page
Fuel tank (water, sediment)	Drain	6-25
Track tension	Check, Adjust	6-34
Swing bearing grease	Lubricate	6-32
Swing reduction gear oil	Check, Add	6-32
Attachment pin and bushing	Lubricate	6-38
· Bucket cylinder rod end		
· Bucket + Arm connecting		
· Bucket control link + Arm		
· Bucket control rod		

### 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	6-26
Fuel filter	Replace	6-27
Bolts & Nuts	Check, Tight	6-8
<ul style="list-style-type: none"> <li>· Sprocket mounting bolts</li> <li>· Travel motor mounting bolts</li> <li>· Swing motor mounting bolts</li> <li>· Swing bearing mounting bolts</li> <li>· Engine mounting bolts</li> <li>· Counterweight mounting bolts</li> <li>· Turning joint locating bolts</li> <li>· Track shoe mounting bolts and nuts</li> <li>· Hydraulic pump mounting bolts</li> </ul>		

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

### 4) EVERY 200 HOURS SERVICE

Check items	Service	Page
★ Return filter	Replace	6-30
★ Pilot line filter	Replace	6-31
★ Drain filter cartridge	Replace	6-31

★ **Replace 3 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
Swing reduction gear oil	Change	6-32

## 6) EVERY 250 HOURS SERVICE

Check items	Service	Page
Battery (voltage)	Check	6-39
Aircon & heater fresh air filter	Check	6-43
Air breather element	Replace	6-31
Bolts & Nuts	Check, Tight	6-8
<ul style="list-style-type: none"> <li>· Sprocket mounting bolts</li> <li>· Travel motor mounting bolts</li> <li>· Swing motor mounting bolts</li> <li>· Swing bearing mounting bolts</li> <li>· Engine mounting bolts</li> <li>· Counterweight mounting bolts</li> <li>· Turning joint locating bolts</li> <li>· Track shoe mounting bolts and nuts</li> <li>· Hydraulic pump mounting bolts</li> </ul>		
Attachment 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> </ul>		

## 7) INITIAL 500 HOURS SERVICE

Check items	Service	Page
Travel reduction gear oil	Change	6-33

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

### 8) EVERY 500 HOURS SERVICE

Check items	Service	Page
★Engine oil	Change	6-18, 19
★Engine oil filter	Replace	6-18, 19
Radiator, cooler fin and charge air cooler	Check, Clean	6-23
☆Air cleaner element (primary)	Check, Clean	6-25
Fuel filter element	Replace	6-27
Prefilter	Replace	6-26

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

☆ 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.

### 9) EVERY 1000 HOURS SERVICE

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

### 10) EVERY 2000 HOURS SERVICE

Check items	Service	Page
Hydraulic tank		
★ Oil * <sup>1</sup>	Change	6-30
· Suction strainer	Check, Clean	6-30
Coolant	Change	6-20, 21, 22, 23

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

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

### 11) EVERY 5000 HOURS SERVICE

Check items	Service	Page
Hydraulic tank		
★ Oil * <sup>2</sup>	Change	6-30

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

★ Change oil every 1000 hours of continuous hydraulic breaker operation.

## 12) 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	6-25
· Prefilter	Clean or Replace	6-26
· Fuel filter element	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
· Charge air cooler	Check	6-23
Engine air system		
· Air cleaner element	Replace	6-25
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
Under carriage		
· 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 air filter	Clean, Replace	6-42
· Recirculation filter	Clean	6-43