

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	6-27
Engine oil level	Check, Add	6-18
Coolant level	Check, Add	6-20
Control panel & pilot lamp	Check, Clean	6-36
Prefilter	Check, Clean	6-25
Fan belt tension	Check, Adjust	6-23
★ Attachment pin and bushing	Lubricate	6-35
· 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	6-32
Swing bearing grease	Lubricate	6-30
Bucket linkage & blade pins	Lubricate	6-41
· Bucket cylinder rod end		
· Bucket + Arm connecting		
· Bucket control link + Arm		
· Bucket control rod		
· Boom swing post + Upper frame connecting		
· Boom swing cylinder head and rod		
· Dozer blade + Lower frame connecting		
· Dozer blade cylinder head and 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	6-25
Fuel filter	Replace	6-26
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) INITIAL 250 HOURS SERVICE

Check items	Service	Page
★Pilot line filter	Replace	6-29
★Hydraulic return filter	Replace	6-28
Swing reduction gear oil	Change	6-30
Swing reduction gear grease	Check, Add	6-30

★ **Replace 2 filters for continuous hydraulic breaker operation only.**

5) EVERY 250 HOURS SERVICE

Check items	Service	Page
Battery (voltage)	Check, Clean	6-36
Aircon & heater fresh air filter	Check	6-39
Air breather element	Replace	6-29
Bolts & Nuts	Check, Tight	6-8
<ul style="list-style-type: none"> · 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 		
Attachment pin and bushing	Lubricate	6-35
<ul style="list-style-type: none"> · 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 		

6) INITIAL 500 HOURS SERVICE

Check items	Service	Page
Travel reduction gear oil	Change	6-31

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

7) 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	6-24
Fuel filter element	Replace	6-26
Prefilter	Replace	6-25

★ 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.

8) EVERY 1000 HOURS SERVICE

Check items	Service	Page
Travel motor reduction gear oil	Change	6-31
Swing reduction gear oil	Change	6-30
Swing reduction gear grease	Change	6-30
Hydraulic oil return filter	Replace	6-28
Pilot line filter	Replace	6-29

10) EVERY 2000 HOURS SERVICE

Check items	Service	Page
Coolant	Change	6-20, 21, 22, 23
Hydraulic tank suction strainer	Check, Clean	6-28
★Hydraulic oil ^{*1}	Change	6-27

^{*1} Conventional hydraulic oil

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

11) EVERY 5000 HOURS SERVICE

Check items	Service	Page
★Hydraulic oil ^{*2}	Change	6-27

^{*2} 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	6-25
· Fuel filter element	Replace	6-26
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	6-24
Hydraulic system		
· Hydraulic oil	Add or Change	6-27
· Return filter	Replace	6-28
· Pilot line filter	Replace	6-29
· Element of breather	Replace	6-29
· Suction strainer	Clean	6-28
Under carriage		
· Track tension	Check, Adjust	6-32
Bucket		
· Tooth	Replace	6-34
· Side cutter	Replace	6-33
· Linkage	Adjust	6-33
· Bucket assy	Replace	6-33
Air conditioner and heater		
· Fresh air filter	Clean, Replace	6-39
· Recirculation filter	Clean	6-40