

4. MAINTENANCE CHECK LIST

Scheduled maintenance is the normal maintenance necessary to provide proper and efficient machine operation. To protect your investment and prolong the service life of your machine, follow the scheduled maintenance list below.

1) EVERY 10 HOURS SERVICE

| Check items | Service | Page |
|---|--------------|------|
| · Engine oil | Check, Add | 6-26 |
| · Radiator coolant | Check, Add | 6-30 |
| · Belt tension and damage | Check | 6-25 |
| · Brake oil | Check, Add | 6-20 |
| · Radiator, oil cooler, charge air cooler | Check, Clean | 6-30 |

2) EVERY 50 HOURS SERVICE

| Check items | Service | Page |
|----------------------------------|------------------|------|
| ★ Engine oil | Replace | 6-26 |
| ★ Engine oil filter | Replace | 6-27 |
| ★ Hydraulic oil return filter | Replace | 6-40 |
| ★ Pilot line filter element | Replace | 6-41 |
| ★ Fuel filter element | Replace | 6-36 |
| ★ Fuel pre filter element | Replace | 6-37 |
| Tires (air) | Check | 6-43 |
| Wheel nuts | Check, Tighten | 6-43 |
| Fuel prefilter (water separator) | Clean | 6-37 |
| Front axle U-joint | Check, Lubricate | 6-19 |
| Attachment pins | Lubricate | 6-16 |
| Extending dipper | Check, Lubricate | 6-18 |

★ : Initial 50 hours service

3) INITIAL 100 HOURS SERVICE

| Check items | Service | Page |
|-------------------------|---------|------|
| Transmission oil | Change | 6-40 |
| Transmission oil filter | Replace | 6-40 |
| Front axle oil | Change | 6-45 |
| Rear axle oil | Change | 6-45 |

4) EVERY 250 HOURS SERVICE

| Check items | Service | Page |
|-------------------------------------|--------------|------|
| Drive shaft (spline) | Lubricate | 6-18 |
| Fuel tank (water, sediment) | Check, Drain | 6-35 |
| Battery (voltage) | Check | 6-21 |
| Hydraulic oil return filter | Replace | 6-39 |
| Hydraulic tank air breather element | Replace | 6-38 |
| Cab fresh air filter | Clean | 6-50 |
| Air cleaner element (primary) | Clean | 6-29 |

5) EVERY 500 HOURS SERVICE

| Check items | Service | Page |
|---|-----------|------|
| Drive shaft (U-joint) | Lubricate | 6-19 |
| Front axle pivot | Lubricate | 6-18 |
| Radiator, oil cooler, charge air cooler | Clean | 6-30 |

6) EVERY 600 HOURS SERVICE

| Check items | Service | Page |
|------------------------|---------|------|
| Engine oil | Change | 6-26 |
| Engine oil filter | Replace | 6-27 |
| Fuel filter element | Replace | 6-36 |
| Fuel prefilter element | Replace | 6-37 |

7) EVERY 1000 HOURS SERVICE

| Check items | Service | Page |
|---------------------------|---------|------|
| Pilot line filter element | Replace | 6-40 |
| Transmission oil | Change | 6-41 |
| Transmission oil filter | Replace | 6-41 |
| Cab fresh air filter | Replace | 6-50 |

8) EVERY 1500 HOURS SERVICE

| Check items | Service | Page |
|----------------|---------|------|
| Front axle oil | Change | 6-45 |
| Rear axle oil | Change | 6-45 |

9) EVERY 2000 HOURS SERVICE

| Check items | Service | Page |
|---|---------------|------|
| Hydraulic oil * ¹ | Change | 6-38 |
| Radiator coolant | Change | 6-30 |
| Belt tension and damage | Replace | 6-34 |
| Engine valve clearance | Check, Adjust | - |
| Brake oil | Change | 6-20 |
| Suction strainer | Check, Clean | 6-40 |
| Air conditioner and heater inner filter | Replace | 6-51 |

*¹ : Conventional hydraulic oil

10) EVERY 5000 HOURS SERVICE

| Check items | Service | Page |
|------------------------------|---------|------|
| Hydraulic oil * ² | Change | 6-38 |

*² : Hyundai genuine long life hydraulic oil

11) WHEN REQUIRED

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

| Check items | Service | Page |
|---|------------------|------|
| Drive shaft (spline) | Check, Lubricate | 6-19 |
| Drive shaft (U-joint) | Check, Lubricate | 6-19 |
| Front axle pivot | Check, Lubricate | 6-18 |
| Brake oil | Check, Add | 6-20 |
| Radiator, oil cooler, charge air cooler | Check, Clean | 6-30 |
| Transmission oil | Check, Add | 6-40 |
| Cab fresh air filter | Clean, Replace | 6-50 |
| Air conditioner and heater inner filter | Replace | 6-50 |
| Air cleaner element (safety) | Replace | 6-29 |
| Air cleaner element (primary) | Replace | 6-29 |