

# WARNING

## AVOID INJURY OR DEATH

- Keep cover closed except for service.
- Keep engine clean of flammable material.
- Keep body, loose objects and clothing away from electrical contacts, moving parts, hot parts and exhaust.
- Do not use machine in space with explosive dust or gases or with flammable material near exhaust.
- All exhaust gases can kill. Always ventilate.
- Never use ether or starting fluid on diesel engine. Use only starting aids as approved by engine manufacturer.
- Leaking fluids under pressure can enter skin and cause serious injury. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.
- Battery acid causes severe burns. Wear goggles. If acid contacts eyes, skin or clothing, flush and get medical attention.
- Battery makes flammable and explosive gas. Keep arcs, sparks, flames and lighted tobacco away.
- For jump start, connect negative cable to the machine frame last (never at the battery). After jump start, remove negative connections at the frame first.

- Service every 10 hours for first 100 hours.
- Service at first 50 hours, then as scheduled.
- ▲ Service at first 100 hours, then as scheduled.
- Service at first 250 hours, then as scheduled.
- + Service at first year, then as scheduled.
- ◆ Service every 10 hours when operating in water.

### EVERY 8-10 HOURS

- Check engine coolant level.
- Check engine oil level.
- Check hydraulic fluid level.
- Check oil level in swing reduction gearbox. (Model E80)
- Check air cleaner condition indicator.
- Check and adjust track tension.
- Check indicator lights for correct operation.
- Check cab condition and mounting hardware.
- Check seat belt condition and mounting hardware.
- Check control console lockout for proper operation.
- Check for damaged signs (decals) - Replace as needed.
- Drain water and sediment from fuel/water separator.

### EVERY 50 HOURS

- ◆ Grease swing circle. (See illustrations)
- ◆ Grease all blade, boom swing, boom swing cylinder, and bucket pivot points. (See illustrations)
- Check battery, cables and electrolyte level.
- Drain water and sediment from fuel tank.

### EVERY 100 HOURS

- Check and adjust belts if required.
- Spark Arrestor Muffler - Clean spark chamber.

### EVERY 250 HOURS

- ◆ Grease workgroup pivot points. (See illustrations)
- Replace engine oil and filter.
- Clean fuel/water separator screen. Replace as needed.
- Check oil level in both final drive cases.

### EVERY 500 HOURS

- Grease swing pinion. (See illustrations)
- Clean radiator, oil cooler and A/C condenser.
- ▲ Check and adjust belts and idlers. Replace as needed.
- Replace diesel fuel filter.
- Replace primary hydraulic filter and reservoir breather filter.
- ▲ Check alternator and starter connections.
- Clean HVAC filter. Replace as needed.

### EVERY 1000 HOURS

- Check and adjust engine valve clearance.

### EVERY 1000 HOURS OR EVERY 12 MONTHS

- Grease swing reduction gear. (Model E80) (See illustrations)
- Clean hydraulic oil suction filter.
- ▲ Replace oil in both final drive cases.
- ▲ Replace oil in swing reduction gearbox. (Model E80)

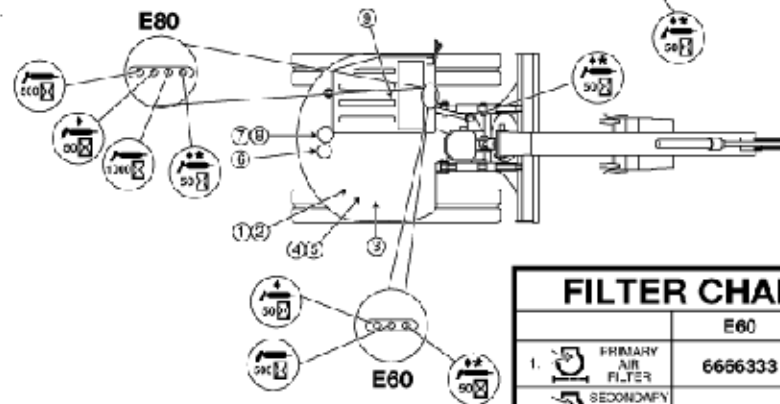
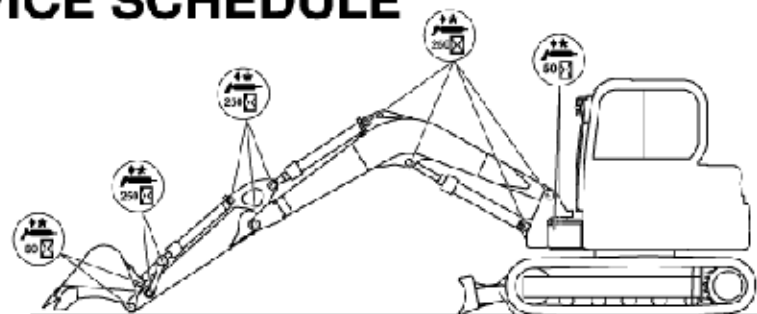
### EVERY 2000 HOURS OR EVERY 12 MONTHS

- Replace hydraulic fluid and filters.

### EVERY 2 YEARS

- + Drain and flush cooling system - Replace coolant.

## SERVICE SCHEDULE



## IMPORTANT

THIS MACHINE IS FACTORY EQUIPPED WITH A U.S.D.A. FORESTRY SERVICE APPROVED SPARK ARRESTOR MUFFLER.

IT IS NECESSARY TO CLEAN THIS SPARK ARRESTOR MUFFLER TO KEEP IT IN WORKING CONDITION. THE SPARK ARRESTOR MUFFLER MUST BE SERVICED BY DUMPING THE SPARK CHAMBER EVERY 100 HOURS OF OPERATION.

IF THIS MACHINE IS OPERATED ON FLAMMABLE FOREST, BRUSH OR GRASS COVERED LAND, IT MUST BE EQUIPPED WITH A SPARK ARRESTOR ATTACHED TO THE EXHAUST SYSTEM AND MAINTAINED IN WORKING ORDER. FAILURE TO DO SO WILL BE IN VIOLATION OF CALIFORNIA STATE LAW, SECTION 44527 PRC.

REFER TO LOCAL LAWS AND REGULATIONS FOR SPARK ARRESTOR REQUIREMENTS.

## FILTER CHART

	E60	E80
1. PRIMARY AIR FILTER	6666333	6666333
2. SECONDARY SW FILTER	6666334	6666334
3. ENGINE OIL FILTER	7004996	7004996
4. FUEL/WATER SEPARATOR SCREEN	7005081	7005081
5. FUEL FILTER	7006269	7006269
6. PRIMARY HYDRAULIC FILTER	7004883	7004884
7. SUCTION HYDRAULIC FILTER	7006810	7006811
8. HYDRAULIC RESERVOIR BREATHING FILTER	7006806	7006806
9. HVAC FILTER	7006085	7006085

- See illustrations above for filter locations.

- See Operation & Maintenance Manual for more information and instructions.

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