



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 CHECKLIST AND SCHEDULE

EVERY 8-10 HRS

- ♦ **ENGINE OIL**- Check level and add as needed. Do not overfill.
- ♦ **HYDRAULIC FLUID**- Check level and add as needed.
- **FUEL FILTER**- Remove trapped water.
- **ENGINE AIR FILTER**- Check gauge and/or display. Service only when required. Do not use compressed air to clean element.
- **ENGINE AIR SYSTEM**- Check for leaks and damaged components.
- ♦ **ENGINE COOLING SYSTEM**- Clean debris from oil cooler and radiator. Check coolant level cold, add as needed.
- **SEAT BELTS, ARM REST, AND CONTROL INTERLOCKS**- Check function. Repair or replace as needed. Clean dirt and debris from moving parts.
- **TICS™**- Check for function. Joystick should lock in neutral.
- **TIRES**- Check air pressure. Inflate tires to MAXIMUM pressure shown on the tire sidewall.
- **GREASE ZERKS**- Grease all machinery pivots with multipurpose lithium based grease. See illustrations.
- **GENERAL**- Check for loose or broken parts, damaged operator cab, instrument operation, loose wheel nuts, oil leaks, damaged or missing safety signs. Repair or replace as needed.
- **BOB-TACH**- Lubricate wedge with multipurpose lithium based grease. Check for proper function.
- **THREE-POINT LINKAGE**- Check operation and condition of pins, links and sway bars.
- **PTO**- Inspect the shaft splines. Replace damaged or missing guards and shields.

EVERY 50 HRS

- ♦ **WHEEL NUTS**- Check for loose wheel nuts and tighten per Operation and Maintenance Manual.
- ♦ **HYDRAULIC FLUID, HOSES AND TUBELINES**- Check the fluid level. Check for damage and for leaks. Repair or replace as needed.

EVERY 100 HRS

- **SPARK ARRESTOR MUFFLER**- Empty spark chamber.
- **BATTERY**- Check battery for damage, hold downs, cable connections and electrolyte level. Add distilled water as needed.
- **AXLE FLUID**- Check fluid level.

EVERY 250 HRS

- **FUEL FILTER**- Replace filter element.
- **DRIVE BELTS** (Hydrostatic pump, water pump, alternator, and air conditioner - if equipped) - Check condition and tension. Adjust or replace as needed.
- **ENGINE OIL AND FILTER**- Replace oil and filter.

EVERY 500 HRS

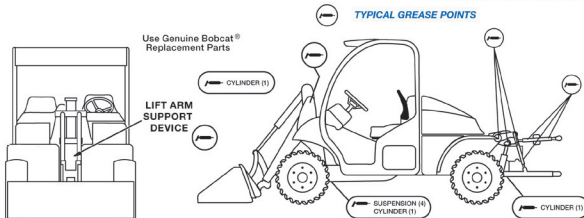
- ♦ **HYDRAULIC/ HYDROSTATIC SYSTEM**- Replace the filter and reservoir breather cap.

EVERY 1000 HRS

- † **HYDRAULIC RESERVOIR**- Replace fluid.
- ★ **AXLE FLUID**- Replace fluid.

EVERY 24 MONTHS

- ♦ **ENGINE COOLANT**- Flush the cooling system and replace coolant.
- ♦ **TORQUE NUTS EVERY 8 HRS FOR THE FIRST 24 HRS.**
- **SERVICE AT FIRST 50 HRS, THEN AS SCHEDULED.**
- † **SERVICE AT FIRST 100 HRS, THEN AS SCHEDULED.**
- ★ **REPLACE AT FIRST 300 HRS, THEN AS SCHEDULED.**
- ♦ **SEE THE OPERATION AND MAINTENANCE MANUAL FOR CORRECT FLUID SPECIFICATION, FILTER PART NUMBERS AND LOCATIONS.**



IMPORTANT

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

THE SPARK ARRESTOR MUFFLER, IF EQUIPPED, MUST BE CLEANED TO KEEP IT IN WORKING CONDITION. THE SPARK ARRESTOR MUFFLER MUST BE SERVICED BY DUMPING THE SPARK CHAMBER EVERY 100 HRS OF OPERATION. ON SOME MODELS, THE TURBOCHARGER FUNCTIONS AS THE SPARK ARRESTOR AND MUST OPERATE CORRECTLY FOR PROPER SPARK ARRESTOR FUNCTION.

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 4442, PRC. REFER TO LOCAL LAWS AND REGULATIONS FOR SPARK ARRESTOR REQUIREMENTS.

SEE OPERATION & MAINTENANCE MANUAL FOR MORE INFORMATION AND INSTRUCTIONS.

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