

# WARNING

## AVOID INJURY OR DEATH

- Keep door 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 loader in space with explosive dusts or gases or with flammable material near exhaust.
- All exhaust gases can kill. Always ventilate.
- Never use ether or starting fluid on diesel engine with glow plugs. 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 well with water. For contact with eyes 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 loader engine last (never at the battery). After jump start, remove negative connection at the engine first.

## SERVICE SCHEDULE 963

### EVERY 10 HOURS (BEFORE STARTING THE LOADER):

- **ENGINE OIL** – Check level and add as needed. Do not overfill.
- **ENGINE AIR FILTER** – Check condition indicator. Service only when required.
- **ENGINE AIR SYSTEM** – Check for leaks and damaged components.
- **ENGINE COOLING SYSTEM** – Clean debris from oil cooler, radiator and grill. Check coolant level cold in recovery tank. Add 53% propylene glycol premixed with 47% water as needed.
- **FUEL FILTER** – Remove the trapped water.
- **LOADER LIFT ARM, CYLINDERS, BOBTACH PIVOT PINS & WEDGES** – Lubricate 14 points with multipurpose lithium based grease.
- **SEAT BELT, SEAT BAR AND CONTROL INTERLOCKS** – Check function. Repair or replace as needed. Clean dirt or debris from moving parts.
- **BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)** – Check for function.
- **TIRES** – Check for damaged tires and correct air pressure.
- **GENERAL** – Check for loose or broken parts, damaged operator cab, instrument operation, oil leaks, damaged or missing safety signs and safety tread. Repair or replace as needed.

### EVERY 50 HOURS:

- **HYDRAULIC FLUID HOSES AND TUBELINES** – Check the fluid level. Check for damage and for leaks. Repair or replace as needed.
- **FINAL DRIVE TRANSMISSION (CHAINCASE)** – Check the fluid level.
- **CONTROL PEDALS AND STEERING** – Check operation. Adjust as needed.
- **WHEEL NUTS** – Check for loose wheel nuts and tighten to 320-350 lb.ft (434-475 Nm) torque. □

### EVERY 100 HOURS:

- **SPARK ARRESTOR MUFFLER** – Empty the spark chamber.
- **BATTERY** – Check battery for damage, hold downs, cables, connections and electrolyte level. Add distilled water as needed.

### EVERY 250 HOURS:

- **STEERING LEVER PIVOTS** – Lubricate 3 points with multipurpose lithium based grease.
- **ENGINE/HYD DRIVE BELT** – Check for wear and damage. Adjust or replace as needed.\*
- **ENGINE OIL AND FILTER** – Replace oil and filter. Use CD or better grade oil and Melroe filter. †
- **FUEL FILTERS** – Replace primary and secondary filter elements.
- **BELT DRIVES** – Check alternator and fan drive belts for condition and tension. Adjust or replace as needed.
- **BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)** – Check lift arm bypass control.

### EVERY 500 HOURS:

- **HYDRAULIC/HYDROSTATIC FILTERS** – Replace the filter element.\*

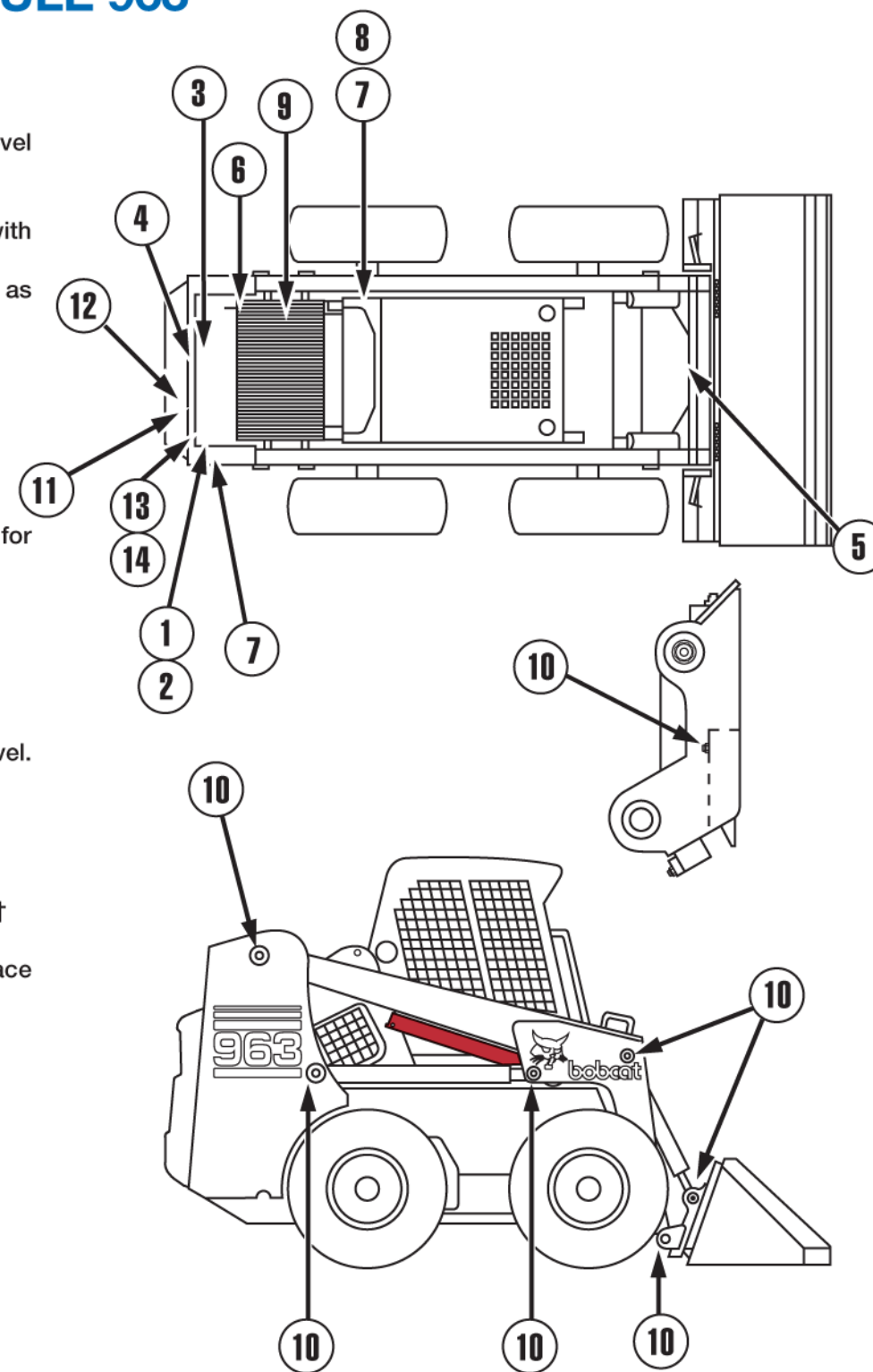
### EVERY 1000 HOURS (OR EVERY 12 MONTHS):

- **HYDRAULIC RESERVOIR** – Replace fluid.
- **FINAL DRIVE TRANSMISSION (CHAINCASE)** – Replace fluid.

- Check wheel nut torque every 8 hours for the first 24 hours.
- \* Check main drive belt idler stop every 8 hours for the first 40 hours.
- † First oil and filter change must occur at 50 hours; 250 hours thereafter.
- Also replace hydraulic filter element when the transmission warning light comes ON.

See Operation & Maintenance Manual for more information and instructions.  
Para más instrucciones, vea el Manual de Operación y Mantenimiento.

Weitere Anweisungen finden sie in der Bedienungs- und Instandhaltungsanleitung.  
Voir le Manuel de l'opérateur et d'entretien pour d'autres renseignements.



## SERVICE PARTS CHART

Ref. No.	Symbol	Description	Part Number	Service Date/Hours
1.		Primary Air Filter	6672862	
2.		Secondary Air Filter	6671969	
3.		Engine Oil	■	
4.		Engine Oil Filter	6511766	
5.		Chaincase Oil	■	
6.		Hydrostatic Oil	■	
7.		Hydraulic Oil Filter	6668819	
8.		Hydrostatic Oil Filter	6660728	
9.		Coolant	6724094	
10.		Multi-Purpose Lithium Grease	▲	
11.		Starting Fluid	▲	
12.		Diesel Fuel	■	
13.		Primary Fuel Filter	6670996	
14.		Secondary Fuel Filter	6671649	

- ◆ Do not use compressed air to clean elements
- ▲ See Your Local Bobcat Dealer
- See Operation & Maintenance Manual For More Information



Use Genuine Bobcat Replacement Parts