

Tractor Scheduled Maintenance

KUBOTA TRACTOR MAINTENANCE SCHEDULE

COMPREHENSIVE OWNER'S GUIDE 2025

TRACTOR INFORMATION

Model: _____ Serial Number: _____ Purchase Date: _____ Hours at
Purchase: _____ Dealer Contact: _____ Owner: _____

REGULAR MAINTENANCE INTERVALS

DAILY INSPECTION (BEFORE OPERATION)

☐ Check engine oil level ☐ Check transmission fluid level ☐ Check coolant level in recovery tank ☐
Check air cleaner for dust ☐ Check brake and clutch pedal free travel ☐ Check indicators, gauges
and meters ☐ Check lights ☐ Check wire harness for any damage ☐ Check seat belt and ROPS ☐
Check movable parts ☐ Refuel ☐ Care of danger, warning and caution labels

FIRST 50 HOURS (BREAK-IN PERIOD)

☐ Change engine oil and replace oil filter ☐ Check wheel bolt torque ☐ Tighten radiator hose clamps
☐ Check fan belt tension ☐ Check brake pedal adjustment ☐ Replace hydraulic oil filter (if equipped)
☐ Change transmission fluid ☐ Check all control linkages for proper operation

IMPORTANT: This initial service is critical for establishing long equipment life and maintaining warranty coverage.

EVERY 50 HOURS

☐ Check fuel lines and hose clamps ☐ Inspect brake and clutch pedal free travel ☐ Check battery
condition ☐ Grease all lubrication points:

- Front axle pivots
- Steering cylinders
- Brake pedals

- 3-point linkage
- Loader pivot points (if equipped) ☐ Clean engine air filter element (more frequently in dusty conditions) ☐ Check intake air line for leaks ☐ Clean radiator screen ☐ Clean air cleaner primary element

Tools Needed: Grease gun, compressed air, basic hand tools **Time Required:** Approximately 1 hour
Estimated DIY Cost: \$25-40

EVERY 100 HOURS

- ☐ Change engine oil and replace oil filter ☐ Clean fuel filter ☐ Clean air cleaner primary element ☐ Check and adjust fan belt tension ☐ Adjust clutch pedal free travel ☐ Check brake pedal free travel
- ☐ Check battery electrolyte level ☐ Inspect radiator hoses and clamps ☐ Check power steering lines
- ☐ Inspect hydraulic hoses and oil level ☐ Check all control linkages for proper adjustment

Tools Needed: Oil filter wrench, drain pan, socket set, torque wrench **Time Required:** Approximately 2 hours
Estimated DIY Cost: \$55-75 (vs. Dealer: \$175-250)

EVERY 200 HOURS

- ☐ Replace engine oil filter ☐ Check intake air line ☐ Adjust toe-in if needed (1-5mm) ☐ Replace fuel filter element ☐ Check radiator hoses and clamps ☐ Check power steering lines ☐ Check hydraulic hoses ☐ Replace air cleaner primary element ☐ Check brake pedal free travel ☐ Adjust clutch pedal
- ☐ Clean fuel injector nozzle tip (if necessary) ☐ Replace HST oil filter (BX Series) ☐ Inspect cooling system

Tools Needed: Filter wrenches, socket set, feeler gauges, torque wrench **Time Required:** Approximately 3 hours
Estimated DIY Cost: \$85-120 (vs. Dealer: \$275-350)

EVERY 300 HOURS

- ☐ Check hydraulic oil filter ☐ Change transmission fluid ☐ Change front axle case oil ☐ Replace hydraulic oil filter ☐ Check all control linkages ☐ Adjust engine valve clearance (check with dealer) ☐ Check fuel injection pressure and timing ☐ Check turbocharger (if equipped) ☐ Clean water separator ☐ Check DEF/AdBlue® components (if equipped)

Tools Needed: Fluid pump, filter wrenches, drain pans, torque wrench **Time Required:** Approximately 4 hours
Estimated DIY Cost: \$180-225 (vs. Dealer: \$450-550)

EVERY 400 HOURS

- ☐ Change transmission fluid ☐ Clean water separator ☐ Replace fuel filter ☐ Change front axle case oil ☐ Clean fuel injector nozzle tip ☐ Check radiator hoses and clamps ☐ Check power steering lines ☐ Check hydraulic hoses ☐ Check intake air line ☐ Check DPF related pipes, hoses and muffler (if equipped) ☐ Change oil in brake case (if equipped)

Tools Needed: Transmission fluid pump, filter wrenches, socket set **Time Required:** Approximately 4-5 hours
Estimated DIY Cost: \$210-275 (vs. Dealer: \$500-650)

EVERY 500 HOURS

☐ Replace hydraulic oil filter ☐ Replace fuel filter ☐ Check battery condition ☐ Check electrical wiring and connections ☐ Check cooling fan/alternator belt ☐ Inspect engine compression ☐ Inspect injector condition (consult dealer) ☐ Clean water jacket and radiator interior ☐ Replace DEF/AdBlue® filter (if equipped)

Tools Needed: Various filter wrenches, electrical multimeter, belt gauge **Time Required:** Approximately 4-5 hours **Estimated DIY Cost:** \$200-275 (vs. Dealer: \$550-700)

EVERY 800 HOURS

☐ Change front axle case oil ☐ Adjust engine valve clearance (consult dealer) ☐ Check fuel injection timing (consult dealer) ☐ Check injector pressure and condition (consult dealer) ☐ Check electrical system thoroughly ☐ Check turbocharger (if equipped)

Note: Some of these tasks may require dealer service or specialized equipment

EVERY 1000 HOURS OR 1 YEAR (whichever comes first)

☐ Replace air cleaner primary and secondary elements ☐ Check EGR system (if equipped) ☐ Check exhaust manifold for cracks or leaks ☐ Check DPF/DCR muffler (if equipped) ☐ Complete cooling system service (flush and refill) ☐ Check power steering line ☐ Check radiator hoses and clamps ☐ Check fuel system ☐ Check intake air line ☐ Change transmission fluid and all filters ☐ Complete engine inspection ☐ Replace fan belt

Tools Needed: Cooling system flush kit, transmission fluid pump, filter wrenches **Time Required:** Approximately 5-6 hours **Estimated DIY Cost:** \$325-425 (vs. Dealer: \$700-950)

EVERY 1500 HOURS

☐ Check fuel injection nozzle (consult dealer) ☐ Replace oil separator element (if equipped) ☐ Check EGR cooler ☐ Check EGR valve ☐ Check DPF/DCR differential pressure sensor ☐ Check EGR and intake air flap for carbon buildup

Note: Many of these services require specialized dealer equipment

EVERY 2000 HOURS OR 2 YEARS

☐ Check alternator and starter motor ☐ Flush cooling system and replace coolant ☐ Flush and refill transmission/hydraulic system ☐ Check injection pump ☐ Replace DPF/DCR (if applicable)

EVERY 3000 HOURS

☐ Check turbocharger (if equipped) ☐ Check injection pump ☐ Check DEF/AdBlue® injector (if equipped) ☐ Clean DEF/AdBlue® tank (if equipped) ☐ Replace DEF/AdBlue® pump filter (if equipped) ☐ Replace DPF/DCR ash (if required)

MODEL-SPECIFIC MAINTENANCE REQUIREMENTS

BX SERIES

- HST fan inspection (every 200 hours)
- Mower deck belt tension check (every 50 hours)
- Implement PTO clutch adjustment (annually)

L SERIES

- Front axle fluid check (every 300 hours)
- DPF regeneration monitoring (as indicated by tractor display)
- Front loader hydraulic quick coupler inspection (monthly)

M SERIES

- Tier 4 DEF system maintenance (as specified in manual)
- Turbocharger inspection (every 1500 hours)
- Advanced emission control system checks (annually)

FLUID SPECIFICATIONS AND CAPACITIES

ENGINE OIL

Specification: API Classification: CF, CF-4, CG-4, CH-4 or CI-4 **Viscosity:** SAE 10W-30 or 15W-40 (climate dependent) **Capacity:** [Reference your specific model]

TRANSMISSION/HYDRAULIC FLUID

Specification: Kubota Super UDT2 or equivalent **Capacity:** [Reference your specific model]

COOLANT

Specification: 50/50 Ethylene Glycol/Water **Capacity:** [Reference your specific model]

FRONT AXLE CASE

Specification: SAE 80W-90 Gear Oil **Capacity:** [Reference your specific model]

FUEL

Specification: Low Sulfur Diesel (#2-D S15) **Tank Capacity:** [Reference your specific model]

GREASE

Specification: NLGI #2 Lithium-based **Application:** All grease points

DETAILED MAINTENANCE TRACKER

Date	Hours	Service Type	Tasks Completed	Parts Used	Cost	Technician	Notes	Next Service Due

CRITICAL MAINTENANCE COMPONENTS

GREASE POINTS DIAGRAM

[In Canva, insert a simple diagram showing the tractor with numbered grease points]

- 1. Front axle pivots
- 2. Steering cylinders
- 3. Loader boom pivots
- 4. Loader bucket pivots
- 5. 3-point hitch components
- 6. PTO shaft (if applicable)
- 7. Brake pedal pivot
- 8. Clutch pedal pivot
- 9. Mower deck spindles
- 10. Backhoe attachment points (if equipped)

RADIATOR MAINTENANCE

• Clean radiator screen daily in dusty conditions • Use compressed air or low-pressure water from engine side • Check coolant level in recovery tank daily • Flush cooling system every 2 years or 2000 hours

FILTER LOCATIONS

• Engine oil filter: Right side of engine block • Fuel filter: Near fuel tank or on engine • Air filter: Under hood in air cleaner housing • Hydraulic filter: Beneath the operator platform • Transmission filter: Under tractor near transmission case

COST COMPARISON: DIY VS. DEALER SERVICE

Service Interval	DIY Cost Range	Dealer Cost Range	Potential Savings
50-Hour	\$25-40	\$125-175	\$100-135
100-Hour	\$55-75	\$175-250	\$120-175
200-Hour	\$85-120	\$275-350	\$190-230
300-Hour	\$180-225	\$450-550	\$270-325
500-Hour	\$200-275	\$550-700	\$350-425
1000-Hour	\$325-425	\$700-950	\$375-525

SEASONAL RECOMMENDATIONS

SPRING PREPARATION

• Complete full equipment inspection • Check cooling system • Clean air intake system • Inspect hydraulic system • Check tire pressure and condition • Verify all safety systems are operational

SUMMER OPERATION

• Monitor cooling system frequently • Keep radiator screen clean • Check fluid levels daily • Grease all points weekly in heavy use

FALL/WINTER PREPARATION

• Check antifreeze protection level • Inspect electrical system • Consider fuel treatment for storage • Full lubrication before extended storage • Top off fuel tank if storing (prevents condensation)

MAINTENANCE SUPPLIES CHECKLIST

☐ Engine oil (appropriate API classification) ☐ Transmission/hydraulic fluid (Kubota Super UDT2) ☐ Grease cartridges (NLGI #2) ☐ Oil filters ☐ Fuel filters ☐ Air filter elements ☐ Hydraulic/transmission filters ☐ Coolant/antifreeze ☐ Fuel stabilizer (for seasonal storage) ☐ Basic hand tools ☐ Filter wrenches ☐ Drain pans ☐ Funnel set ☐ Shop towels ☐ Disposable gloves

WARRANTY REMINDER: Regular maintenance according to this schedule helps maintain warranty coverage and equipment value. Always keep detailed records of service performed.

DISCLAIMER

This maintenance schedule is provided as a general guide. Always refer to your specific Kubota operator's manual for model-specific requirements and procedures. Maintenance intervals may vary based on operating conditions and workload.

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