

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Cannot attach PTO shaft to the tractor	PTO shaft is too long, PTO yoke attachment pin is seized.	Cut PTO shaft per OM instructions, lubricate attachment pin.
Tillage depth insufficient	Tractor is holding tiller up, Tractor has insufficient power, skid shoes preventing lowering, tines are worn, ground is too hard.	Adjust lift arm settings on tractor, increase tractor PTO speed, adjust tiller skidshoes, replace tines, make multiple passes.
Soil is not tilled fine enough	Ground speed too fast, PTO speed too slow, tines assembled incorrectly.	Slow tractor ground speed, Increase tractor PTO speed, check tine assembly.
Driveline vibrates	Universal joint is worn, debris wrapped around tine bar, driveline is at extreme angle.	Replace universal joint/cross bearing, remove debris, lower tiller and adjust tractor lift stop.
Constant abnormal gearbox noise	Low oil level, worn gears, gearbox bearings.	Check oil level, replace gears/ gearbox, replace bearings.
Tiller makes intermittent/ abnormal noise	Tines are loose, gearbox has damaged tooth, debris is wrapped around tine bar.	Tighten tines, replace damaged gear, clear debris.
Gearbox is overheating	Oil level is low, gearbox needs service, ventplug is seized, tiller load is too great.	Check oil level, replace old oil, replace ventplug, reduce ground speed/tilling depth.
Oil Leaking from gearbox	Seals and or gaskets are damaged, gearbox is overfilled with oil.	Replace seals or gaskets, drain oil to correct level.
Rotor will not turn	Tractor PTO is not engaged, gear drive has damage, friction clutch not adjusted properly.	Engage tractor PTO, inspect and repair gears, reduce tiller load or adjust clutch.
Tiller shaking	Ground is compacted and or dry, debris entangled in tines	Make multiple passes with shorter tilling depth, irrigate soil, clear debris.
Rear tailgate impacts tines	Tailgate adjustment chain in wrong position.	Adjust tailgate adjustment chain to hold tailgate higher.