

# MAINTENANCE SCHEDULE

## CHASSIS

COMPONENT	SERVICE	INTERVAL	
<b>Engine</b>			
Cummins NT855			
Cummins N14			
Cummins ISM			
Cummins ISL			
Detroit Diesel 6v-92	<b>Click on engine model at left to display model specific instructions</b>		
Detroit Diesel 8v-92			
Detroit Diesel Series 40			
Detroit Diesel Series 50			
Detroit Diesel Series 60			
<b>Transmission</b>			
Allison HD & MD Series		Fluid and filter change	After first 5000 miles; thereafter, 25,000 miles or 18 months (whichever occurs first).
Allison HT 700 Series	Fluid change	50,000 miles/12 months/1200 hours (whichever occurs first).	
	Internal Sump and Gov. Filter	At overhaul	
	External Auxiliary Filter	After first 5000 miles and at each 25,000 miles/6 months/600 hours (whichever occurs first).	
<b>Drive Axles</b>			
Lubricant	Check lubricant level	Monthly	
Breather and Mag. Fill Plug	Clean	6 months/250 hours (whichever occurs first).	
Lubricant	Drain and refill	12 months/100,000 miles for petroleum based lubricants (every 6 months if mileage more than 100,000 per year). 250,000 miles for synthetic oil.	
<a href="#">View lubricant chart.</a>			
<b>Front Axles</b>			
Wheel Ends	Check wheel ends oil level (if equipped)	6 months/250 hours (whichever occurs first).	
<b>Air Compressor</b>			
Mounting Bolts	Check mounting bolt tightness	3 months/125 hours (whichever occurs first).	
Filter	Replace	3 months/125 hours (whichever occurs first).	
<b>Air System</b>			
Low Air Warning System	Check for proper cut-in at 70 psi and below. Adjust as required.	3 months/125 hours (whichever occurs first).	
Air Dryer	Perform serviceability check.	3 months/125 hours (whichever occurs first).	
Hoses and Connections	Inspect all hoses and connections for cracks, cuts, kinks, chaffing, or loose fittings. Repair or replace as necessary.	3 months/125 hours (whichever occurs first).	
	Pressure Control Valve: Conduct operation and leakage test.	6 months/250 hours (whichever occurs first).	
<b>Cooling System</b>			
Coolant Concentration	(Detroit Diesel Only): Check with test kit. Should be 50/50 mix	3 months/125 hours (whichever occurs first).	
Hoses	Check for worn, frayed, cut, or leaking hoses. Repair or replace as necessary.	3 months/125 hours (whichever occurs first).	
Hose Clamps	Check for loose, cracked, or corroded clamps. Repair or replace as necessary.	3 months/125 hours (whichever occurs first).	
Radiator	Check condition for damage or leaks. Repair as necessary.	3 months/125 hours (whichever occurs first).	
Shroud	Check to insure tightness and condition. Repair as necessary.	3 months/125 hours (whichever occurs first).	
Fan	Check for looseness, bent, or broken blades. Repair or replace as necessary.	3 months/125 hours (whichever occurs first).	
Coolant Concentration	(Detroit Diesel and Cummins): Check with test kit. Should be 50/50 mix	6 months/250 hours (whichever occurs first).	
Coolant Filter	Replace (if equipped)	6 months/250 hours (whichever occurs first).	
Cooling Fins:	Inspect for damage or clogging. Repair or clean as necessary.	12 months/500 hours (whichever occurs first).	
<b>Steering System</b>			
Power Steering Pump	Check fluid level and pump for leaks. Add fluid, repair leaks as necessary	3 months/125 hours (whichever occurs first).	
Steering Gear	Check for leaks, repair as necessary	3 months/125 hours (whichever occurs first).	
	Lubricate bearing cap	3 months/125 hours (whichever occurs first).	
Miter Box	Lubricate miter box	3 months/125 hours (whichever occurs first).	
Power Steering Reservoir	Replace element	6 months/250 hours (whichever occurs first).	
Drag link, K-pin, and Tie Rod	Inspect for wear or damage. Repair as necessary.	6 months/250 hours (whichever occurs first).	
Steering Stop Screws	Inspect for proper setting. Adjust as required	12 months/500 hours (whichever occurs first).	
Performance	Road Test: Inspect for wander or other signs of an out-of-alignment condition. Repair as necessary.	12 months/500 hours (whichever occurs first).	

**CHASSIS (Continued)**

COMPONENT	SERVICE	INTERVAL
<b>Brakes</b>		
Foot Operated Brake Valve	Lubricate mechanical parts with light oil.	3 months/125 hours (whichever occurs first).
Performance	Check for uneven action, dragging, slow or spongy action, and squealing or chatter. Repair as necessary.	3 months/125 hours (whichever occurs first).
Park Control Valve	Disassemble and clean.	6 months/250 hours (whichever occurs first).
Disc Brake Pads	Inspect. Replace if necessary.	6 months/250 hours (whichever occurs first).
Auto Slack Adjusters	Lubricate	6 months/250 hours (whichever occurs first).
S cam Components	Lubricate	6 months/250 hours (whichever occurs first).
Disc brake calipers	Lubricate	6 months/250 hours (whichever occurs first).
<b>Tires and Wheels</b>		
Wheels	Inspect for damage. Replace as necessary.	3 months/125 hours (whichever occurs first).
Wheel Nuts	Re-torque to proper specifications.	3 months/125 hours (whichever occurs first).
Wheel Bearings	Check for wear or damage. Repair as necessary	12 months/500 hours (whichever occurs first).
Tires	Inspect for signs of uneven wear. Repair as necessary.	12 months/500 hours (whichever occurs first).
Performance	Inspect for shimmy or tire hop. Repair as necessary.	12 months/500 hours (whichever occurs first).
<b>Driveline</b>		
Universal Joints, Slip Yoke, and Splines	Lubricate	3 months/125 hours (whichever occurs first).
Driveline	Inspect for signs of wear or misalignment.	12 months/500 hours (whichever occurs first).
Bearing Capscrews	Inspect for proper tightness.	12 months/500 hours (whichever occurs first).
<b>Suspension</b>		
Spring Pins	Lubricate	3 months/125 hours (whichever occurs first).
Shackles	Lubricate	3 months/125 hours (whichever occurs first).
Bronze Center Bushings (Tandem)	Lubricate	3 months/125 hours (whichever occurs first).
F&R Spring U-Bolts	Torque	3 months/125 hours (whichever occurs first).
Shock Absorbers	Torque shock absorber bracket to frame bolts	3 months/125 hours (whichever occurs first).
	Inspect for leakage.	6 months/250 hours (whichever occurs first).
Springs	Inspect for broken leaves. Repair as necessary.	12 months/500 hours (whichever occurs first).
Clamps and Hangers	Inspect for damage, wear, or corrosion.	12 months/500 hours (whichever occurs first).
<b>Air Intake</b>		
Filter Element	Replace	6 months/250 hours (whichever occurs first).
<b>Exhaust System</b>		
Flange Bolts	Check for tightness. Tighten if necessary.	6 months/250 hours (whichever occurs first).
Flange Gaskets	Check for leaks. Repair as necessary.	6 months/250 hours (whichever occurs first).
Pipe Condition	Check for damage. Repair as necessary.	6 months/250 hours (whichever occurs first).
Clamps	Check for tightness and corrosion. Repair as necessary.	6 months/250 hours (whichever occurs first).
<b>Fuel System</b>		
Fuel/Water Separator	Replace Element.	6 months/250 hours (whichever occurs first).
Filter	Replace	6 months/250 hours (whichever occurs first).
Tank	Inspect for damage, loose fittings, or corrosion.	12 months/500 hours (whichever occurs first).
	Drain fuel to remove condensation and debris.	12 months/500 hours (whichever occurs first).
<b>Electrical System</b>		
Battery	Check specific gravity	6 months/250 hours (whichever occurs first).
Battery Holddowns	Check for tightness or corrosion.	6 months/250 hours (whichever occurs first).
Wiring	Check for chaffing and corrosion.	6 months/250 hours (whichever occurs first).
Terminals	Check for tightness or corrosion.	6 months/250 hours (whichever occurs first).
Alternator	Check mounting tightness, belt tension and connector tightness.	6 months/250 hours (whichever occurs first).
	Conduct alternator output test.	12 months/500 hours (whichever occurs first).