

Maintenance Logs

To avoid costly repairs and down-time, it is imperative to develop and practice good maintenance procedures from the beginning. These procedures fall into daily, weekly, monthly and quarterly increments, and are outlined in this section. All recommended maintenance must be performed by competent service personnel.

This section covers:

- Operational Maintenance
- Appearance Maintenance
- Long-Term Maintenance Schedule

NOTICE

Record the date and machine hours on the maintenance log provided for your convenience in the Owner's Guide. Records of maintenance must be kept and copies may be required to be furnished to HydraMaster before the warranty is honored. It is recommended that you affix a copy of the log on the vehicle door near your unit for convenience and to serve as a maintenance reminder.

OPERATIONAL MAINTENANCE

This section contains recommendations for maintenance that will affect the service life of your unit.

NOTICE

HydraMaster recommends that you follow the vehicle maintenance schedule as stated by the manufacturer. All HydraMaster references to vehicle maintenance serve as general vehicle service reminders. If there are any questions regarding servicing of your vehicle, please contact your local vehicle dealership.

Perform Descaling as Required

Scale deposits on the interior of the heating system can cause a noticeable loss in heating performance. Deposits of this kind result from hard water deposits, excessive chemical use or improper chemicals. The frequency with which descaling procedures are required will vary. If your area has particularly hard water or you see evidence of deposits in the water system, you may have to descale monthly.

To descale your system:

1. Add an appropriate descaler chemical to your water box.
2. Circulate it through the heating system. Let it stand.
3. Flush and repeat as necessary.
4. Clean all screens and strainers, and check them frequently following descaling.

NOTICE

If you are circulating a descaler through the flowmeter, make sure to run clean water through the flowmeter after you perform this procedure.

APPEARANCE MAINTENANCE

Maintaining the original appearance of your unit is important for two reasons:

1. It represents a big dollar investment for your cleaning business and its appearance should reflect that fact. A dirty machine does not look professional.
2. Maintenance, troubleshooting and repair is much easier to accomplish on a clean, well-maintained unit. Regular cleaning of the machine offers you an opportunity to visually inspect all parts of the machine and spot potential problems before they occur.

The following maintenance is recommended by the manufacturer at the frequency indicated:

Daily

- Wipe machine down thoroughly with a damp cloth.
- Flush recovery tank out thoroughly.
- Clean wand to maintain original appearance.
- Wipe down vacuum and high pressure hoses as needed.
- Visually inspect hoses for cuts, etc.

Weekly

- Wipe down entire unit as needed.
- Apply good coat of auto wax to all painted surfaces inside and out.
- Thoroughly clean wand and inspect for clogged jet, debris in vacuum slot and leaking fittings at valve.
- Apply light coat of auto wax to wand. Thoroughly clean vacuum and high pressure hoses including hose cuffs.

LONG-TERM MAINTENANCE SCHEDULE

The following components or systems should be serviced or replaced at the specified intervals.

Component	Interval (Machine hours / months of service)
High pressure water pump rebuild	2,000 / 24
Vehicle engine thermostat (<i>Replace with genuine Ford part</i>)	2,000 / 24
Vehicle engine accessory drive belt	2,000 / 24
CDS xDrive blower silencer and exhaust plumbing	4,000 / 48
CDS xDrive and vehicle heater hoses	4,000 / 48
CDS xDrive wire harness	4,000 / 48

MAINTENANCE LOGS

Weekly Maintenance								
Date								
Hour Meter Reading								
Technician Initials								
Vehicle/CDS xDrive - check for leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump oil - check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belts and pulleys - check for wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High pressure lines-internal - check for chafing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank inlet filter - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank - clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical container - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vac. relief valve - inspect, clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine rpm - check with CDS xDrive unit operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Float switches - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hoses and quick connects; check for wear; replace as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATTENTION: Additional break-in period maintenance required!								
One time change of pump oil after 50 hours of operation; every 300 hours thereafter.	<input type="checkbox"/>							
Blower oil - change after first 100 hours of use.	<input type="checkbox"/>							
Monthly Maintenance								
Flush chemical system with vinegar	<input type="checkbox"/>							
All fasteners; tighten as needed	<input type="checkbox"/>							
Engine air cleaner - inspect	<input type="checkbox"/>							
Battery terminals - clean as needed	<input type="checkbox"/>							
Blower drive belt - check	<input type="checkbox"/>							

Quarterly Maintenance (250 Hours, unless indicated otherwise)

Chemical pump valves and diaphragm - check	<input type="checkbox"/>
Chemical pump - inspect	<input type="checkbox"/>
Vehicle fuel lines - check for chaffing or wear	<input type="checkbox"/>
CDS xDrive wiring harness - check for chafing or wear	<input type="checkbox"/>
Bearings/power pack pillow block - grease	<input type="checkbox"/>
Vehicle wiring harness - check for chafing or wear	<input type="checkbox"/>
Pump oil - change (every 300 hours)	<input type="checkbox"/>
Blower oil - change (every 400 - 500 miles)	<input type="checkbox"/>

Every 500 Hours

Salsa Heat Exchanger (if equipped) - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>
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Yearly Maintenance (or Every 1,000 Hours, Whichever Comes First)

Vehicle - complete service	<input type="checkbox"/>
Cooling system - flush	<input type="checkbox"/>
Transmission fluid - change	<input type="checkbox"/>
Blower Drive Belt	<input type="checkbox"/>

MAINTENANCE LOGS

Weekly Maintenance								
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Recovery tank - clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Float switches - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hoses and quick connects; check for wear; replace as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Monthly Maintenance								
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All fasteners; tighten as needed	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Engine air cleaner - inspect			<input type="checkbox"/>				<input type="checkbox"/>	
Battery terminals - clean as needed			<input type="checkbox"/>				<input type="checkbox"/>	
Blower drive belt - check			<input type="checkbox"/>				<input type="checkbox"/>	

Quarterly Maintenance (250 Hours, unless indicated otherwise)

Chemical pump valves and diaphragm - check	<input type="checkbox"/>
Chemical pump - inspect	<input type="checkbox"/>
Vehicle fuel lines - check for chaffing or wear	<input type="checkbox"/>
CDS xDrive wiring harness - check for chafing or wear	<input type="checkbox"/>
Bearings/power pack pillow block - grease	<input type="checkbox"/>
Vehicle wiring harness - check for chafing or wear	<input type="checkbox"/>
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Yearly Maintenance (or Every 1,000 Hours, Whichever Comes First)

Vehicle - complete service	<input type="checkbox"/>
Cooling system - flush	<input type="checkbox"/>
Transmission fluid - change	<input type="checkbox"/>
Blower Drive Belt	<input type="checkbox"/>

MAINTENANCE LOGS

Weekly Maintenance								
Date								
Hour Meter Reading								
Technician Initials								
Vehicle/CDS xDrive - check for leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump oil - check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belts and pulleys - check for wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High pressure lines-internal - check for chafing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank inlet filter - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank - clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical container - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vac. relief valve - inspect, clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine rpm - check with CDS xDrive unit operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Float switches - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hoses and quick connects; check for wear; replace as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATTENTION: Additional break-in period maintenance required!								
One time change of pump oil after 50 hours of operation; every 300 hours thereafter.	<input type="checkbox"/>							
Blower oil - change after first 100 hours of use.		<input type="checkbox"/>						
Monthly Maintenance								
Flush chemical system with vinegar	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
All fasteners; tighten as needed	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Engine air cleaner - inspect			<input type="checkbox"/>				<input type="checkbox"/>	
Battery terminals - clean as needed			<input type="checkbox"/>				<input type="checkbox"/>	
Blower drive belt - check			<input type="checkbox"/>				<input type="checkbox"/>	

Quarterly Maintenance (250 Hours, unless indicated otherwise)

Chemical pump valves and diaphragm - check	<input type="checkbox"/>
Chemical pump - inspect	<input type="checkbox"/>
Vehicle fuel lines - check for chaffing or wear	<input type="checkbox"/>
CDS xDrive wiring harness - check for chafing or wear	<input type="checkbox"/>
Bearings/power pack pillow block - grease	<input type="checkbox"/>
Vehicle wiring harness - check for chafing or wear	<input type="checkbox"/>
Pump oil - change (every 300 hours)	<input type="checkbox"/>
Blower oil - change (every 400 - 500 miles)	<input type="checkbox"/>

Every 500 Hours

Salsa Heat Exchanger (if equipped) - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>
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Yearly Maintenance (or Every 1,000 Hours, Whichever Comes First)

Vehicle - complete service	<input type="checkbox"/>
Cooling system - flush	<input type="checkbox"/>
Transmission fluid - change	<input type="checkbox"/>
Blower Drive Belt	<input type="checkbox"/>

MAINTENANCE LOGS

Weekly Maintenance								
Date								
Hour Meter Reading								
Technician Initials								
Vehicle/CDS xDrive - check for leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump oil - check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belts and pulleys - check for wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High pressure lines-internal - check for chafing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank inlet filter - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recovery tank - clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical container - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vac. relief valve - inspect, clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine rpm - check with CDS xDrive unit operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Float switches - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hoses and quick connects; check for wear; replace as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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One time change of pump oil after 50 hours of operation; every 300 hours thereafter.	<input type="checkbox"/>							
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Monthly Maintenance								
Flush chemical system with vinegar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All fasteners; tighten as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine air cleaner - inspect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery terminals - clean as needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blower drive belt - check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Quarterly Maintenance (250 Hours, unless indicated otherwise)

Chemical pump valves and diaphragm - check	<input type="checkbox"/>
Chemical pump - inspect	<input type="checkbox"/>
Vehicle fuel lines - check for chaffing or wear	<input type="checkbox"/>
CDS xDrive wiring harness - check for chafing or wear	<input type="checkbox"/>
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Pump oil - change (every 300 hours)	<input type="checkbox"/>
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Every 500 Hours

Salsa Heat Exchanger (if equipped) - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>
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Yearly Maintenance (or Every 1,000 Hours, Whichever Comes First)

Vehicle - complete service	<input type="checkbox"/>
Cooling system - flush	<input type="checkbox"/>
Transmission fluid - change	<input type="checkbox"/>
Blower Drive Belt	<input type="checkbox"/>

MAINTENANCE LOGS

Weekly Maintenance								
Date								
Hour Meter Reading								
Technician Initials								
Vehicle/CDS xDrive - check for leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump oil - check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belts and pulleys - check for wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Recovery tank inlet filter - remove and clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Vac. relief valve - inspect, clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Monthly Maintenance								
Flush chemical system with vinegar	<input type="checkbox"/>							
All fasteners; tighten as needed	<input type="checkbox"/>							
Engine air cleaner - inspect	<input type="checkbox"/>							
Battery terminals - clean as needed	<input type="checkbox"/>							
Blower drive belt - check	<input type="checkbox"/>							

Quarterly Maintenance (250 Hours, unless indicated otherwise)

Chemical pump valves and diaphragm - check	<input type="checkbox"/>
Chemical pump - inspect	<input type="checkbox"/>
Vehicle fuel lines - check for chaffing or wear	<input type="checkbox"/>
CDS xDrive wiring harness - check for chafing or wear	<input type="checkbox"/>
Bearings/power pack pillow block - grease	<input type="checkbox"/>
Vehicle wiring harness - check for chafing or wear	<input type="checkbox"/>
Pump oil - change (every 300 hours)	<input type="checkbox"/>
Blower oil - change (every 400 - 500 miles)	<input type="checkbox"/>

Every 500 Hours

Salsa Heat Exchanger (if equipped) - clean and inspect	<input type="checkbox"/>	<input type="checkbox"/>
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Yearly Maintenance (or Every 1,000 Hours, Whichever Comes First)

Vehicle - complete service	<input type="checkbox"/>
Cooling system - flush	<input type="checkbox"/>
Transmission fluid - change	<input type="checkbox"/>
Blower Drive Belt	<input type="checkbox"/>

MAINTENANCE CHART - 8 TO 600 HOURS

DAILY MAINTENANCE CDS xDrive - FORD TRANSIT																											
Check engine oil level																											
Check blower oil level																											
Check pump oil level																											
Empty recovery tank inlet filter																											
Inspect and clean orifice and filters																											
Inspect and clean garden hose screen																											
Visually inspect machine for loose wires, oil leaks, water leaks, etc																											
Inspect recovery tank stainless steel filter for clogging or damage; clean, repair or replace as needed																											
Inspect and clean the vacuum slot on the cleaning wand. Watch for sharp edges that may tear the carpet; remove any sharp edges as required																											
Lubricate blower lube port with a HydraMaster-recommended spray lubricant (P/N 000-087-006)																											
INTERVAL IN HOURS CDS xDrive - FORD TRANSIT																											
Engine oil and filter	Change oil and filter every 3,000 miles or 3 months, whichever comes first																										
Pump oil *	Change after first 50 hours of use																										
Blower oil **	Use Aeon PD synthetic oil; change after first 100 hours of use.																										
SERVICE	8	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600		
Float switches		C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Check around vehicle and CDS xDrive for evidence of oil/fluid leaks			CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
All belts and pulleys (check for wear)			CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
High pressure lines - internal (check for chafing)			CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Recovery tank (clean thoroughly with high pressure washer)			C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Chemical container - remove and clean			C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Blower inlet filter inside recovery tank			C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Vehicle engine rpm on CDS			CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Hoses and quick connects; check for wear; replace as needed			CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
* Pump oil, GP series 100			R	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	R	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	R
Vacuum Relief Valve - inspect, clean		C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
SERVICE	8	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600		
Flush chemical system with vinegar			F		F		F		F		F		F		F		F		F		F		F		F		F
All fasteners; tighten as needed ***			CH		CH		CH		CH		CH		CH		CH		CH		CH		CH		CH		CH		CH
Engine air cleaner filter					C/I				C/I				C/I				C/I				C/I				C/I		C/I
Battery connections					C/I				C/I				C/I				C/I				C/I				C/I		C/I
Blower drive belt (P/N 000-010-009)					CH				CH				CH				CH				CH				CH		CH
Chemical pump valves and diaphragm											CH										CH						
Chemical pump											CH										CH						
Vehicle fuel lines (chafing or wear)											CH										CH						
All wiring harnesses (chafing or wear)											CH										CH						
** Blower oil					R												R										
SERVICE	8	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600		
Blower Heat Exchanger																					C/I						
Check all phase cable connections and phase cable for damage or overheating																					CH						
Perform complete vehicle maintenance yearly																											
Van's cooling system; add new anti-freeze																											
Van's transmission fluid																											

* Refers to pump oil
** Refers to blower oil
*** Check blower, front end fasteners

Adjust	A
Check	CH
Clean and Inspect	C/I
Clean and Lubricate	C/L
Flush	F
Lubricate	L
Replace	R

CAUTION

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MAINTENANCE CHART - 675 TO 1200 HOURS

DAILY MAINTENANCE CDS xDrive - FORD TRANSIT																						
Check engine oil level																						
Check blower oil level																						
Check pump oil level																						
Empty recovery tank inlet filter																						
Inspect and clean orifice and filters																						
Inspect and clean garden hose screen																						
Visually inspect machine for loose wires, oil leaks, water leaks, etc																						
Inspect recovery tank stainless steel filter for clogging or damage; clean, repair or replace as needed																						
Inspect and clean the vacuum slot on the cleaning wand. Watch for sharp edges that may tear the carpet; remove any sharp edges as required																						
Lubricate blower lube port with a HydraMaster-recommended spray lubricant (P/N 000-087-006)																						
INTERVAL IN HOURS CDS xDrive - FORD TRANSIT																						
Engine oil and filter	Change oil and filter every 3,000 miles or 3 months, whichever comes first																					
Pump oil *	Change after first 50 hours of use																					
Blower oil **	Use Aeon PD synthetic oil; change after first 100 hours of use.																					
SERVICE	675	700	725	750	775	800	825	850	875	900	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200
Float switches	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Check around vehicle and CDS xDrive for evidence of oil/fluid leaks	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
All belts and pulleys (check for wear)	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
High pressure lines - internal (check for chafing)	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Recovery tank (clean thoroughly with high pressure washer)	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Chemical container - remove and clean	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Blower inlet filter inside recovery tank	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
Vehicle engine rpm on CDS	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
Hoses and quick connects; check for wear; replace as needed	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
* Pump oil, GP series 100	CH	CH	CH	CH	CH	CH	CH	CH	CH	R	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	R
Vacuum Relief Valve - inspect, clean	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
SERVICE	675	700	725	750	775	800	825	850	875	900	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200
Flush chemical system with vinegar		F		F		F		F		F		F		F		F		F		F		F
All fasteners; tighten as needed ***		CH		CH		CH		CH		CH		CH		CH		CH		CH		CH		CH
Engine air cleaner filter		C/I				C/I				C/I				C/I				C/I				C/I
Battery connections		C/I				C/I				C/I				C/I				C/I				C/I
Blower drive belt (P/N 000-010-009)		CH				CH				CH				R				CH				CH
Chemical pump valves and diaphragm				CH										CH								
Chemical pump				CH										CH								
Vehicle fuel lines (chafing or wear)				CH										CH								
All wiring harnesses (chafing or wear)				CH										CH								
** Blower oil						R																R
SERVICE	675	700	725	750	775	800	825	850	875	900	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200
Blower Heat Exchanger														C/I								
Check all phase cable connections and phase cable for damage or overheating														CH								
Perform complete vehicle maintenance yearly																						
Van's cooling system; add new anti-freeze																			F			
Van's transmission fluid																			R			

* Refers to pump oil
** Refers to blower oil
*** Check blower, front end fasteners

Adjust	A
Check	CH
Clean and Inspect	C/I
Clean and Lubricate	C/L
Flush	F
Lubricate	L
Replace	R

CAUTION

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