COPPERHEAD XD 3.0 SCHEDULED LUBRICATION & MAINTENANCE

SERVICE ITEM Perform at every indicated month or operating hour interval, whichever comes first.	SERVICE INTERVAL IN MACHINE HOURS						PAGE REFERENCE	LUBRICANT
	EACH USE	EVERY MONTH	EVERY 3 MONTHS	EVERY 6 MONTHS	EVERY YEAR	EVERY 2 YEARS		
Check engine oil level	✓						**ENGINE MANUAL**	EO
Change engine oil		✓					**ENGINE MANUAL**	EO
Check air filter	✓						**ENGINE MANUAL**	
Clean air filter		✓					**ENGINE MANUAL**	
Replace air filter		✓					**ENGINE MANUAL**	
Clean sediment cup				✓			**ENGINE MANUAL**	
Clean-readjust spark plug		✓					**ENGINE MANUAL**	
Replace spark plug				✓			**ENGINE MANUAL**	
Check-adjust idle speed					✓		**ENGINE MANUAL**	
Check/readjust valve clearance					✓		**ENGINE MANUAL**	
Clean fuel tank and strainer		✓					**ENGINE MANUAL**	
Check fuel line	✓						**ENGINE MANUAL**	
Replace fuel lines					✓		**ENGINE MANUAL**	
Check fuel level	✓						**ENGINE MANUAL**	
Inspect electrical wiring				✓				
Clean oil cooler core exterior			✓				C.3.1	
Check oil cooler hoses					✓		C.3.1	

DEFINITIONS:

EO   -   ENGINE CRANKCASE OIL
HYDO   -   HYDRAULIC OIL
MPGM   -   MULTIPURPOSE TYPE GREASE WITH MOLYBDENUM DISULFIDE
OGL   -   OPEN GEAR LUBRICANT

COPPERHEAD XD 3.0 SCHEDULED LUBRICATION & MAINTENANCE

SERVICE ITEM Perform at every indicated month or operating hour interval, whichever comes first.	SERVICE INTERVAL IN MACHINE HOURS						PAGE REFERENCE	LUBRICANT
	EACH USE	EVERY MONTH	EVERY 3 MONTHS	EVERY 6 MONTHS	EVERY YEAR	EVERY 2 YEARS		
Check hydraulic oil level	✓						C.3.1	HYDO
Change hyd. oil filter (return line)					✓		C.3.2	
Change hyd. oil in reservoir						✓	C.3.3	HYDO
Check hydraulic hoses					✓			
Check wheel lug nut tightness				✓				
Grease Bearings	✓						C.3.3	EO
Grease in drive motor seals	✓						C.1.4	MPGM
Grease in drive motors		✓					C.1.4	MPGM
Grease kickstand caster wheel	✓						C.1.5	MPGM

DEFINITIONS:

EO   - ENGINE CRANKCASE OIL
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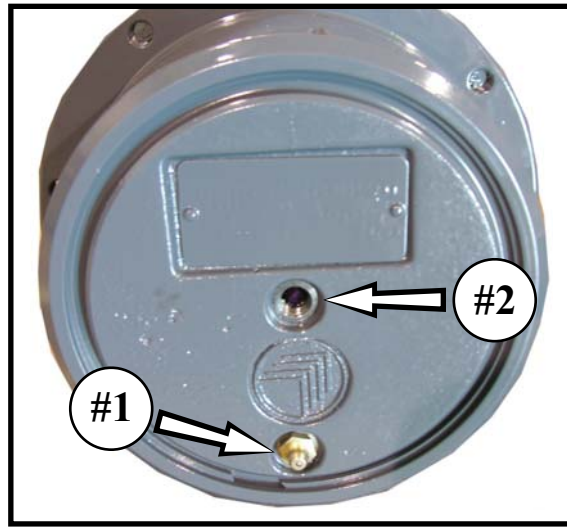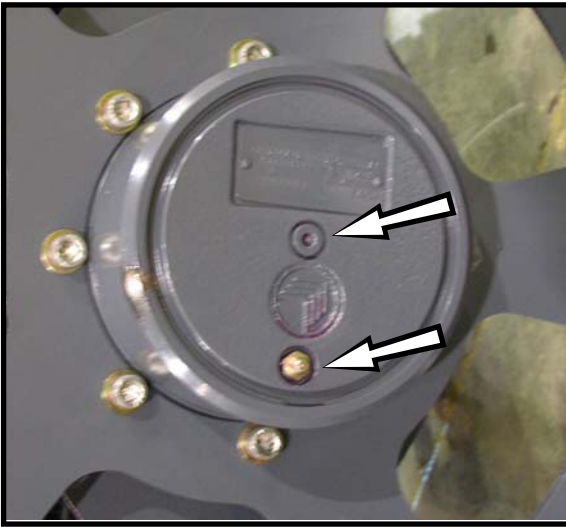OGL   - OPEN GEAR LUBRICANT

Instructions for filling CopperHead XD 3.0 drive motor with grease

INSTALLATION INSTRUCTIONS:
1) Rotate drive hub so hole #1 is on bottom.
2) Remove plugs from hole #1 & #2 on the CopperHead XD 3.0 drive motors
with a 3/16" allen wrench.
3) Install grease fitting in hole #1 on the bottom of the drive motor.
4) Pump grease into grease fitting on the drive motor until it spills out of hole #2.
5) Reinstall middle plug and drive machine around for approximately one minute.
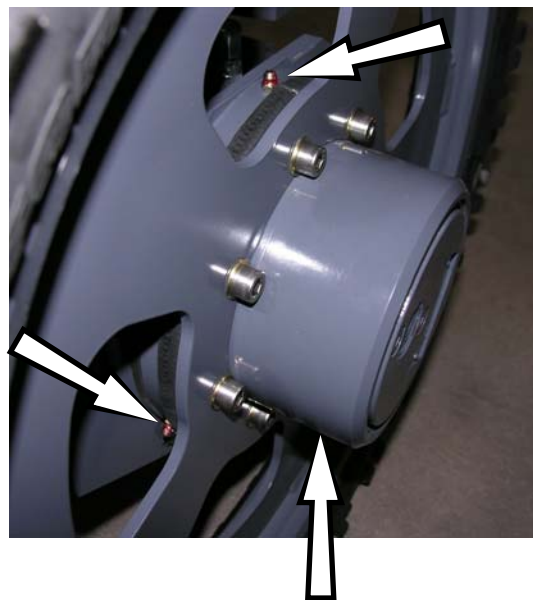6) Remove middle plug and repeat step 4)
NOTE: Approximately 1.5 tubes of grease will have been injected into each drive motor.
7) Install the plug back into the bottom fill hole (#1).
8) Always remove middle plug in hole #2 before pumping grease.
9) Check grease level once a month.

Instructions for greasing drive motor seals

Apply two (2) pumps of grease in
all three (3) fittings on the
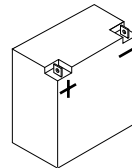drive motor seals, after each use
of the CopperHead XD.

Instructions for greasing the kickstand caster wheel

Apply grease in both fittings on the kickstand caster wheel, after each pressure washing of the machine.

Battery Charging Recommendation:

Cycle Applications: Limit initial current to 8.4 Amps. Charge until battery voltage (under charge) reaches 14.7 volts 68^0F (20^0C). Hold at 14.7 volt until current drops to approximately 280mA. Battery is fully charged under these conditions, and charger should either be disconnected or switched to "float" voltage

"Float" or "Stand-by" Service: Hold battery across constant voltage source of 13.5 to 13.8 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

The recommended chargers for these batteries are:
Power Sonic Models -
PSC-124000A
PSC-124000A-C