



Start-Up & Shutdown Procedures

Inspector _____ Evaluator _____

MOUNTING AND DISMOUNTING

- Mount or dismount the machine only at locations that have steps and/or handholds. Before you mount the machine, clean and inspect the steps and handholds. Make all necessary repairs.
- Always face the machine whenever you get on or off the machine.
- Maintain three-point contact with the steps and with the handholds. (Three-point contact can be 2 feet and 1 hand or 1 foot and 2 hands).
- DO NOT mount or dismount a moving machine. Never jump off the machine. Do not carry tools or supplies when you try to mount the machine or when you try to dismount the machine.

Was procedure step completed properly?	✓	Evaluator Comments
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BEFORE STARTING THE MACHINE

Inspect the condition of the seat belt and mounting hardware Regardless of appearance, replace the seat belt after three years of use		
Adjust the seat so that full pedal travel can be achieved with the operator's back against the back of the seat		
Make sure the machine is equipped with a lighting system that is adequate for the job conditions Make sure all machine lights are working properly		
Before you start the engine and before you move the machine, make sure that no one is underneath the machine, around the machine, or on the machine		

STARTING THE MACHINE

Turn the battery disconnect switch ON (if equipped)		
Ensure the steering frame lock link is disconnected		
Adjust seat for proper height and pedal reach		
Inspect, adjust, and fasten seat belt		
Inspect, adjust mirrors		
Ensure all implements are grounded		
Ensure the parking brake is engaged		
Ensure the steering and transmission integrated control (STIC) lock (if equipped) is engaged		
Move the attachment control levers into HOLD		
Move the direction control to NEUTRAL		
Hold throttle control at LOW IDLE before starting the engine		
Ensure all personnel are clear of machine, sound horn		
Turn engine start switch to the ON position		
Observe instrument cluster self-diagnostic test, add fluids if necessary		
Turn the key start switch to START, crank engine and release when engine starts		

MACHINE WARM-UP

Allow machine to warm up (per O&MM)		
The implement lockout must be in the UNLOCKED position before hydraulic controls will function		
Engage and disengage attachment controls to help speed warmup of hydraulic components		
Cycle all controls to allow warm oil to circulate through all hydraulic cylinders and all hydraulic lines		
Perform steering, service brake, and parking brake operation checks (per O&MM by machine model)		
Check secondary steering operation (if equipped)		
Check gauges, indicators, and action light frequently		



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Was procedure step completed properly?	✓	Evaluator Comments
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MOVING THE MACHINE

Make sure area is clear by sounding horn and waiting 3-5 seconds before moving machine		
Raise all lowered implements		
Depress the service brake pedal		
Release the parking brake		
Move the transmission control to desired direction		
Release the service brake pedal		
Depress accelerator		

MACHINE SHUT DOWN

Park machine on smooth, level area		
Apply the service brakes to stop the machine		
Move the direction control switch to NEUTRAL		
Engage the parking brake		
Set the steering and transmission integrated control (STIC) lock (if equipped)		
Lower all hydraulic implements to the ground		
Run engine at low idle for 5 minutes to allow engine to cool		
Turn key start switch to OFF and remove key		
Utilize correct delayed engine shutdown procedure if equipped Note: Overriding delayed engine shutdown may reduce engine & machine system component life Use for emergency situations only		
Turn battery disconnect switch to OFF		
Do not turn off the battery disconnect switch until the "wait to disconnect" lamp has turned off. If the switch is turned off when the indicator lamp is illuminated the Diesel Exhaust Fluid (DEF) system will not purge the DEF. If the DEF does not purge, DEF could freeze and damage the pump and lines (if equipped).		
Dismount machine using 3-point contact		
If parking for extended period remove disconnect switch key		
Conduct post-operation walk-around inspection		

NOTES:

Inspected by: _____ Date: _____ Time: _____

