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.	plies	when you try to mount the machine or when you try to		
Was procedure step completed properly?	V	Evaluator Comments		
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)				
Make sure that the engine shutdown switch is in the ON position				
Adjust seat, adjust mirrors, fasten seat belt				
Move hydraulic lockout control to the LOCKED position				
Ensure all implements are grounded				
Move the joysticks to HOLD				
Ensure all personnel are clear of machine				
Sound horn				
Turn the key start switch to ON				
Observe monitoring system, add fluids if necessary				
In cold-weather conditions, wait until the indicator light for the starting aid equipment is in the OFF position (refer to 0&MM)				
Turn the key start switch to START and crank engine				
MACHINE WARM-UP				
Allow machine to warm up (per time required in O&MM)				
Engage and disengage joystick controls to help speed warm-up of hydraulic components				
Turn engine speed dial to medium, run engine for 5 minutes, continuously move joystick from BUCKET DUMP to HOLD				
Turn the engine speed dial to the maximum engine speed and move joystick from BUCKET DUMP to HOLD to attain relief pressure				
Cycle all controls to allow warm oil to circulate through all cylinders & lines				
Check gauge, indicators, and action light frequently				



Was procedure step completed properly?		Evaluator Comments		
MOVING THE MACHINE	1			
Make sure area is clear				
Turn the engine speed dial to the operating range				
Move hydraulic lockout control to UNLOCKED position				
Raise boom				
Depress service brake pedal				
Disengage parking brake				
Select desired transmission gear				
Release service brake pedal				
Move travel speed pedal to the desired direction and to the desired speed				
MACHINE SHUT DOWN				
Park machine on smooth, level area				
To slow the machine, release travel pedal and depress service brake pedal				
Lower all hydraulic implements				
Move hydraulic lockout control to the LOCKED position				
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: block tires, remove disconnect switch key and install vandalism guards (if equipped)				
Conduct post-operation walk-around inspection				
NOTES:				
Inspected by:	Date	o: Time:		

