



Start-up & Shut Down Procedures: Front Shovel Excavators

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Operator/Inspector _____ Date _____ Time _____
 Serial Number _____ Machine Hours _____

Was procedure step completed properly?	✓	Evaluator Comments
For more information, please refer to the Operation and Maintenance Manual or any other applicable manuals and instructions for this product. If you have questions, please contact your local Caterpillar dealer.		

Starting the machine...

Perform walk around inspection		
Mount the machine using 3 points of contact		
Turn the battery disconnect switch to ON		
Adjust seat, arm rests		
Fasten seat belt		
Confirm all implements are grounded		
Move hydraulic lock lever into the LOCKED position		
Make sure all personnel are clear of machine		
Turn the key start switch to ON		
Perform start-up test on the monitoring panel		
Turn the key start switch to START; Crank engine		

Machine warm-up...

Allow machine to warm-up for 5 minutes at low idle		
Engage and disengage hydraulic controls to help speed warm-up of hydraulic oil		
Cycle all controls to allow warm oil to circulate through all cylinders and lines		
Check gauges and action lights frequently		

Moving the machine...

Make sure area is clear		
Move hydraulic lock lever into the RUN position		
Raise all lowered implements		
Move travel controls in the direction you want to go (check machine rotation: final drives are to rear)		

Machine shut-down...

Park machine on smooth, level area		
Ground all hydraulic implements		
Move Hydraulic lock lever into the LOCKED position		
Allow engine to run at LOW IDLE for 5 minutes		
Turn key start switch to OFF and remove key		
Turn battery disconnect switch to OFF		
Dismount machine using 3-point contact		
Conduct post-operation walk around inspection		

[HTTP://SAFETY.CAT.COM/CHECKLISTS](http://SAFETY.CAT.COM/CHECKLISTS)

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