



# Start-Up & Shut Down Procedures:

## Underground Loaders

[SAFETY.CAT.COM](http://SAFETY.CAT.COM)<sup>TM</sup>

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 of Machine and be sure no Lock-out Tag-out warning tags are on the machine		
Mount the machine using 3 points of contact		
Turn the Battery Disconnect Switch to ON (if equipped)		
Adjust Seat, Fasten Seat Belt		
Move Direction Control Lever to Neutral		
Ensure all Implements are Grounded		
Move the Attachment Control Lever to HOLD		
Ensure all Personnel are Clear of Machine		
Make Sure Steering Frame Lock is in Unlocked Position		
Move Hydraulic Controls to HOLD Position		
Move the steering and transmission lock control or the transmission neutral lock control to the LOCKED position		
Sound Horn		
Turn Key Start Switch to ON		
Perform Startup Test to Observe Monitoring System Self-Test (if applicable)		
Turn Key Start Switch to START. Crank Engine		

### MACHINE WARM-UP...

Allow Machine to Warm Up (as per OMM)		
Engage and Disengage Attachment Controls to help speed warm-up of Hydraulic Components		
Cycle all Control to allow warm Oil to circulate through all Hydraulic Cylinders and Lines		
Perform Steering, Service Brake and Parking Brake Operation Checks (as per OMM by Machine Model)		

### MOVING THE MACHINE...

Ensure Area is Clear		
Raise all lowered Impalements		
Depress Service Brake Pedal		
Release the Parking Brake		
Move Transmission Control Lever to desired direction		
Release Service Brake Pedal and depress Accelerator Pedal		

### MACHINE SHUT DOWN...

Park the Machine on Smooth, Level Area		
Set Parking Brake		
Lower all Hydraulic Implements		
Run Engine at Low Idle for 5 minutes to allow Engine to Cool		
Turn Key Start Switch to OFF and remove Key		
Dismount Machine using 3-Point Contact		
Block Wheels and remove Disconnect Switch Key if Parking for Extended Period		
Conduct Post-Operation Walk-Around Inspection		

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

V0611.2