



# Start-Up & Shutdown Procedures

## AD30/AD45B/AD60

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)		
Adjust seat for proper height and pedal reach		
Inspect, adjust, and fasten seat belt		
Inspect, adjust mirrors		
Ensure steering frame lock is in UNLOCKED position		
Ensure dump body is down		
Ensure all personnel are clear of machine, sound horn		
Move hoist level to FLOAT position		
Move transmission control to NEUTRAL		
Move parking brake control to ON position		
Turn key start switch to ON		
Observe instrument cluster self-diagnostic test		
Turn the key start switch to START, crank engine		

### MACHINE WARM-UP

Allow machine to warm up (per O&MM)		
With engine at low idle and oil at normal operating temperature, check engine, transmission, and hydraulic oil levels		
Check horn, backup alarm and any other warning devices on machine		
Check operation of steering and brakes before operating at high speed (as per OMM by machine model)		
Check gauges, indicators, and action lights frequently		



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**MOVING THE MACHINE**

Make sure area is clear by sounding horn and waiting 3-5 seconds before moving machine		
Test Automatic Retarder Control (ARC) on a short grade before machine is loaded		
Depress the service brake pedal		
Release the parking brake		
Ensure dump body is down and hoist control lever is in FLOAT		
Move transmission control to desired direction and gear		
Release service brake pedal and depress throttle pedal		

**MACHINE SHUT DOWN**

Park machine on smooth, level area		
Release throttle pedal		
Depress service brake pedal		
Move transmission control to NEUTRAL position		
Move parking brake control to ON position		
Move throttle control to LOW IDLE and run engine for 5 minutes (per O&MM)		
Turn key start switch to OFF and remove key		
Run engine at low idle for 5 minutes to allow engine to cool		
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		
Dismount machine using 3-point contact		
Block wheels and remove disconnect switch key if parking for extended period		
Conduct post-operation walk-around inspection		

**NOTES:**

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

