# Start-Up & Shutdown Procedures

**R1300G/R1600H/R1700G/R2900G/R3000H**

<table>
<thead>
<tr>
<th>Inspector</th>
<th>Evaluator</th>
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## 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.

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<th>✓</th>
<th>Evaluator Comments</th>
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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
- Make sure steering frame lock is in UNLOCKED position
- Ensure all implements are grounded
- Ensure all personnel are clear of machine
- Move the transmission control into NEUTRAL
- Move the steering and transmission lock lever to the LOCKED position
- Move joystick control lever to HOLD position
- Move parking brake control to ON position
- Sound horn
- 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)
- Engage and disengage hydraulic controls to help speed warmup of hydraulic components
- Cycle all controls to allow warm oil to circulate through all hydraulic cylinders and lines
- Check operation of steering and brakes before operating at high speed (as per O&MM 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
- Raise all lowered implements
- Depress the service brake pedal
- Move parking brake control to OFF position
- Move the steering and transmission lock lever to the UNLOCKED position
- Release service brake pedal
- Move transmission control to desired direction and gear
- Depress throttle pedal to desired engine and machine speed

### MACHINE SHUT DOWN
- Park machine on smooth, level area
- Release throttle pedal and depress service brake pedal to stop machine
- Move transmission control to NEUTRAL position
- Move steering and transmission lock lever to LOCKED position
- Move parking brake control to ON position
- Lower all hydraulic implements
- Turn key start switch to OFF and remove key
- Run engine at 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:

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Inspected by: ___________________________ Date: ___________________ Time: ___________________