

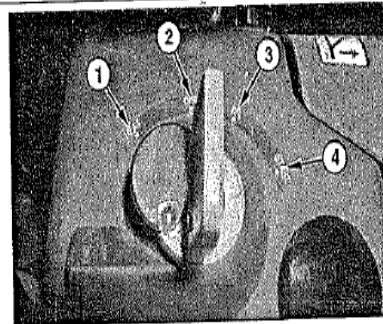
Starting the Engine

NOTE: Engine will not start unless pilot control shutoff lever is in locked (rearward) position.

1. Turn the key switch to ON (3).
2. Sound horn to alert persons nearby.
3. Move the engine speed control lever to slow idle.

IMPORTANT: Prevent starter damage. Never operate starter for more than 15 seconds at a time. If engine fails to start, return key switch to OFF. Wait about 30 seconds, then try again. After a false start, do not turn key switch until engine stops.

4. Turn key switch to START (4). Release key; switch will return to ON position.



1—HEAT
2—OFF

3—ON
4—START

SJ25320,0000106 -19-20OCT06

Starting the Engine in Cold Weather

CAUTION: Avoid injury! Prevent injury from an explosion:

Starting fluid is highly flammable; DO NOT use any type of starting fluid. An electric air preheater may ignite starting fluid.

IMPORTANT: DO NOT use ether or any other type of starting fluid on engines equipped with an electric preheater system.

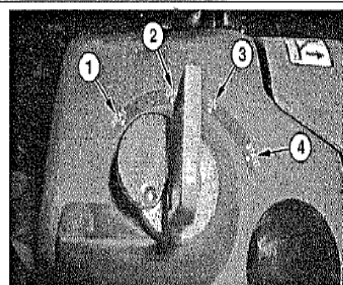
In extremely cold climates, set the engine speed control lever (5) to the fast idle position to start the engine. After the engine is started, gradually reduce engine speed and perform warm-up procedure at the medium speed range.

NOTE: Engine will not start unless pilot control shutoff lever is in locked (rearward) position.

1. Move engine speed control lever (5) halfway between slow and fast idle in cold weather.
2. Turn and hold the key switch in HEAT position (1). In cold weather the engine preheat indicator (6) on monitor will light.
3. Sound horn to alert persons nearby.

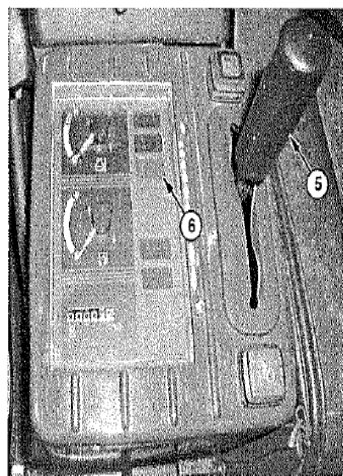
IMPORTANT: Prevent starter damage. Never operate starter for more than 15 seconds at a time. If engine fails to start, return key switch to OFF. Wait about 30 seconds, then try again. After a false start, do not turn key switch until engine stops.

4. When the engine preheat indicator light goes out after three seconds, immediately turn key switch to START (4). Release key; switch will return to ON (3) position.
5. Allow sufficient time for warm-up operation to be completed.



1—HEAT
2—OFF
3—ON

4—START
5—Engine Speed Control Lever
6—Preheat Indicator



TX101281A—UN—08OCT06

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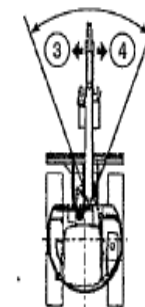
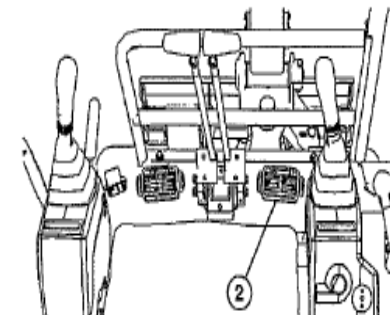
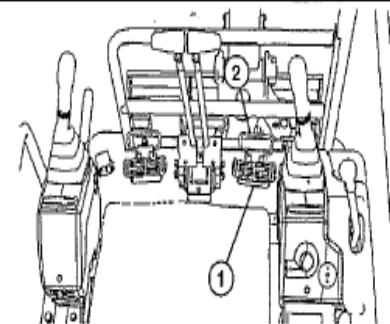
Boom-Swing Pedal

CAUTION: Avoid injury from unexpected machine movement. Keep boom-swing pedal locked during travel and when not in use.

1. Lift pedal cover (2) to unlock boom-swing pedal (1).
2. Push on left side of pedal to swing left (3).
3. Push on right side of pedal to swing right (4).
4. Lower pedal cover to lock boom-swing pedal when not in use.

1—Boom-Swing Pedal
2—Pedal Cover

3—Swing Left
4—Swing Right



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TX1012837—UN—12OCT06

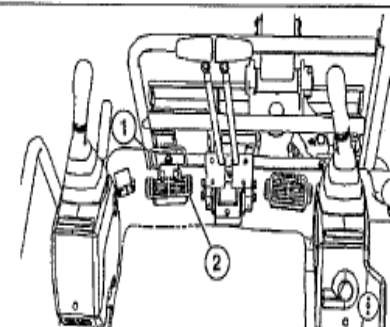
Auxiliary Pedal

CAUTION: Avoid injury from unexpected machine movement. Keep pedal cover in locked position when not using auxiliary pedal.

1. Lift pedal cover (1) to unlock auxiliary pedal (2).
2. Push on the right or left side of the auxiliary pedal to operate the front-end attachment. See Positioning Auxiliary Line Selector Valve. (Section 2-2.)
3. Lower pedal cover to lock auxiliary pedal.

1—Pedal Cover

2—Auxiliary Pedal



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TX1012824—UN—08OCT06

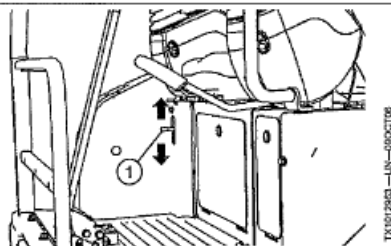
Extendable/Retractable Undercarriage Lever

CAUTION: Avoid crushing injury from machine tipping over, operate the machine with the undercarriage retracted only when traveling on a flat narrow work site. Except for these operating conditions, always operate the machine with the undercarriage extended for travel, excavation, and blade operation.

1. Set engine speed control lever at high idle.

CAUTION: Avoid injury from falling, by verifying the tracks are fully extended before exiting the machine to allow placement of operators foot on the track to exit

2. Pull up extendable/retractable undercarriage lever (1) to extend the undercarriage.
3. Push down extendable/retractable undercarriage lever to retract the undercarriage.



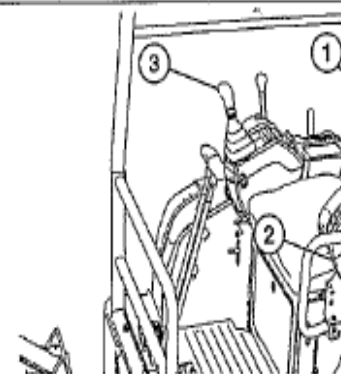
1—Extendable/Retractable Undercarriage Lever

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Parking

IMPORTANT: During freezing weather, prevent damage to undercarriage components from frozen mud and dirt. Machine must be parked on a solid level surface to prevent tracks freezing in the ground.

1. Park machine on a level surface.
2. Lower the bucket and blade to the ground.
3. Run engine at slow idle speed without load for 3 minutes.
4. Turn key switch to OFF. Remove key from switch.
5. Pull pilot control shutoff lever (1) to locked position.
6. Close windows and cab door, if equipped.
7. Lock all access doors and compartments.



Lever in Locked Position

1—Pilot Control Shutoff Lever 3—Pilot Console
2—Console

Operating Backfill Blade

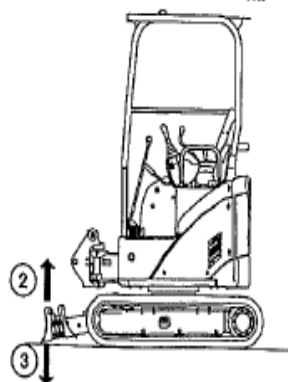
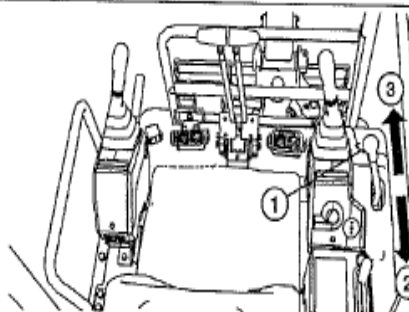
Move blade lever (1) rearward to blade raise position (2).

Move blade lever (1) forward to blade lower position (3).

When the blade lever is released, it automatically returns to neutral, keeping the blade in position until the lever is moved again.

1—Blade Lever
2—Blade Raise Position

3—Blade Lower Position



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Loading and Unloading for Transport

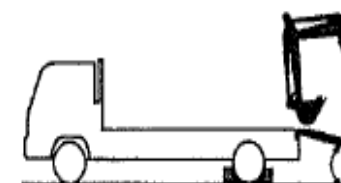
CAUTION: Avoid possible injury from unexpected machine movement. Use extra care to prevent tip over or unexpected movement when loading and unloading machine for transport. Observe these rules when loading and unloading machine:

- Always wear seat belt.
- Locate trailer on a level and stable surface. Chock trailer wheels.
- Use loading ramps. Keep ramps at a low angle and firmly attached to trailer.

1. When loading machine, use bucket for support with angle of arm to boom at 90°.

IMPORTANT: Prevent machine or trailer damage. DO NOT allow machine or bucket to impact trailer.

2. Position machine on trailer (centerline of machine over centerline of trailer).
3. Lower the bucket and fasten machine to trailer at the blade and track frame. Do not allow cables to come into direct contact with rubber tracks.



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4. When unloading machine, use bucket for support with angle of arm to boom at 90°.