

## HYDRAULIC CONTROLS

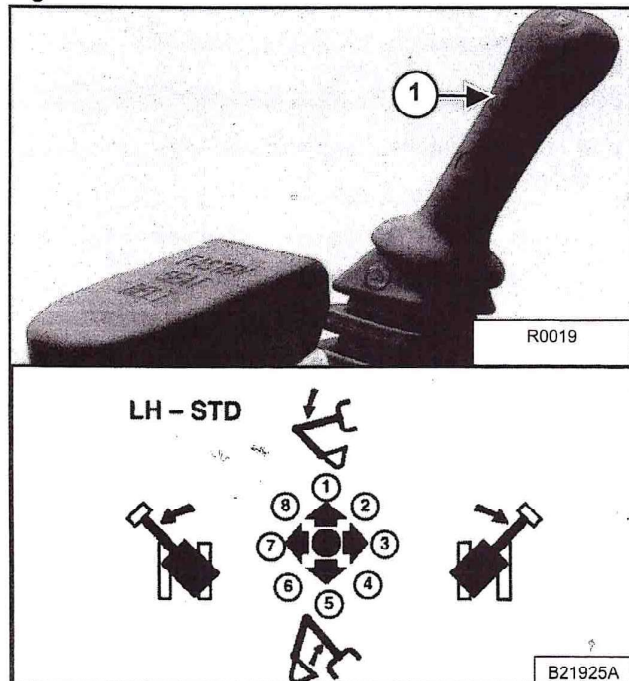
### Description

The work equipment (boom, arm, bucket, and upperstructure slew) is operated by using the left and right control levers (joysticks). These joysticks can be used in either a STANDARD Control Pattern [Figure OI-24] & [Figure OI-25] or in the ISO Control Pattern [Figure OI-26] & [Figure OI-27].

### STANDARD Control Pattern

#### Left Control Lever (Joystick)

Figure OI-24



The left control lever (joystick) (Item 1) is used to operate the arm and slew the upperstructure [Figure OI-24].

1. Boom lower.
2. Boom lower and slew right.
3. Slew right.
4. Boom raise and slew right.
5. Boom raise.
6. Boom raise and slew left.
7. Slew left.
8. Boom lower and slew left.

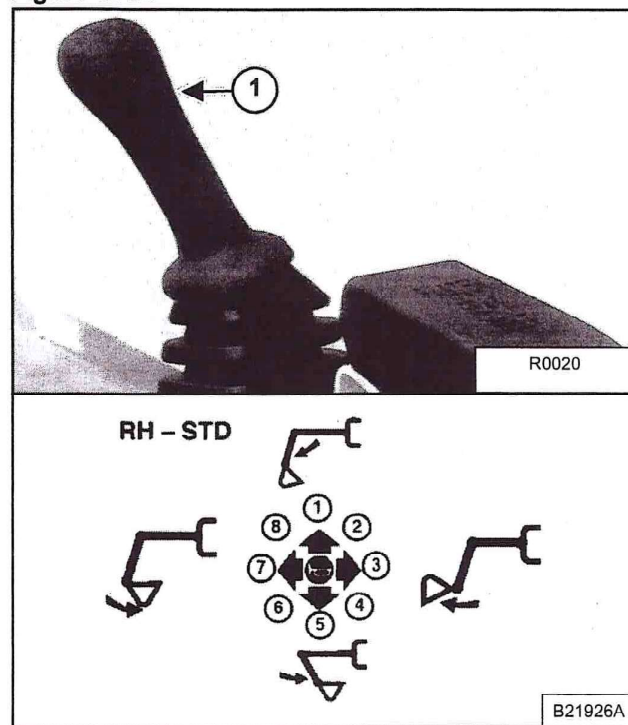
## IMPORTANT

Before slewing the upperstructure, make sure the slew lock is disengaged.

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#### Right Control Lever (Joystick)

Figure OI-25



The right control lever (joystick) (Item1) is used to operate the boom and bucket [Figure OI-25].

1. Arm out
2. Arm out and bucket dump.
3. Bucket dump.
4. Arm in and bucket dump.
5. Arm in.
6. Arm in and bucket curl.
7. Bucket curl.
8. Arm out and bucket curl.



## WARNING

### AVOID INJURY OR DEATH

Before leaving the machine:

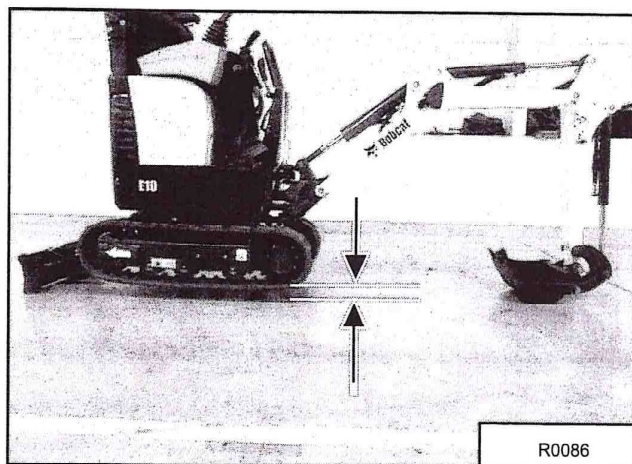
- Lower the work equipment to the ground.
- Lower the blade to the ground.
- Stop the engine & remove the key.

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## TRACK FRAME EXPANSION (CONT'D)

### Expanding and Retracting the Tracks (Cont'd)

Figure OI-39

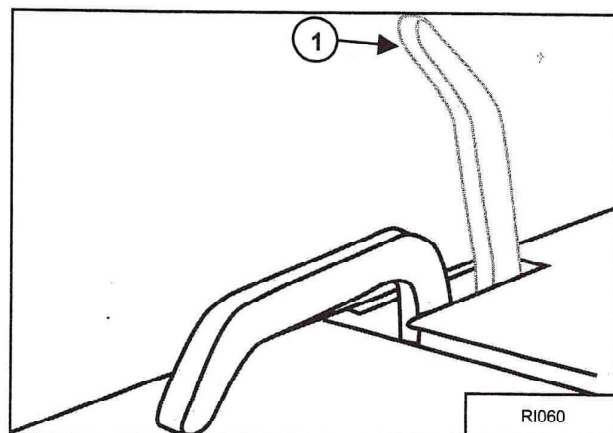


With the boom and arm positioned over the blade, lower the blade until the tracks are raised 25 to 50 mm (0.98-1.97 in.) off the ground [Figure OI-39].

Rotate the upper structure 180 degrees.

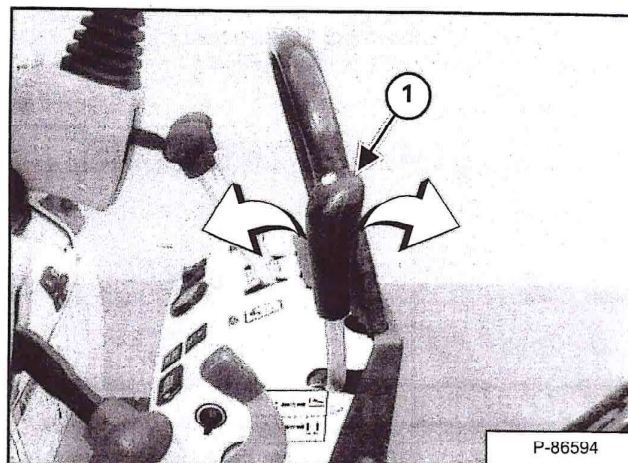
Lower the boom and arm to raise the rear of the excavator until the track is 1.0 - 2.0 in. (25 - 50 mm) off the ground [Figure OI-39].

Figure OI-40



Raise the Blade / Track Expansion Lever (Item 1) [Figure OI-40] into the TRACK position.

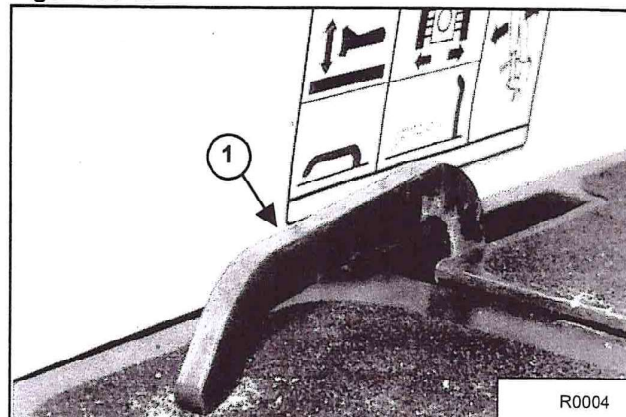
Figure OI-41



Move the Blade / Track Expansion Lever (Item 1) [Figure OI-41] forward to expand the tracks.

Move the Blade / Track Expansion Lever (Item 1) [Figure OI-41] backward to retract the tracks.

Figure OI-42



**NOTE:** Always return the Blade / Track Expansion Lever (Item 1) [Figure OI-42] to the BLADE position during operation so that the track does not move when using the blade lever.

**NOTE:** Always operate the machine with the tracks expanded all the way or retracted all the way.

Raise the boom and arm to lower the rear of the excavator to the ground.

Raise the blade all the way.

Rotate the upperstructure 180 degrees.