

PRE-STARTING PROCEDURE

Entering The Loader

Figure 109



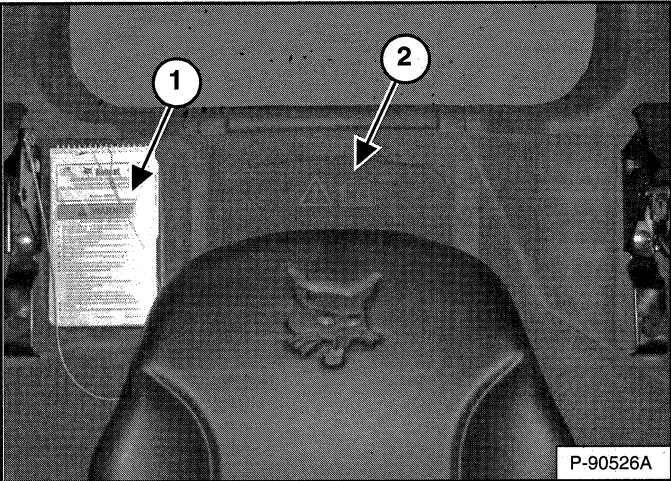
Use the bucket or attachment steps, grab handles, and safety treads (on the loader lift arms and frame) to get on and off the loader, maintaining a three-point contact at all times [Figure 109]. Do not jump.

Safety treads are installed on the Bobcat loader to provide a slip resistant surface for getting on and off the loader.

Keep safety treads clean and replace when damaged. Replacement treads are available from your Bobcat dealer.


Operation & Maintenance Manual And Operator's Handbook Locations

Figure 110



Read and understand the Operation & Maintenance Manual and the Operator's Handbook (Item 1) [Figure 110] before operating the loader.

The Operation & Maintenance Manual and other manuals can be kept in a container (Item 2) [Figure 110] provided behind the operator seat.

**WARNING**

AVOID INJURY OR DEATH

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

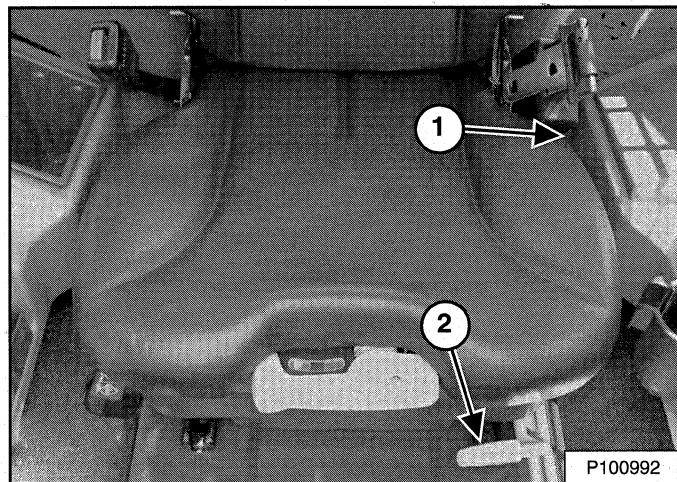
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PRE-STARTING PROCEDURE (CONT'D)

Seat Adjustment

Suspension Seat (Standard)

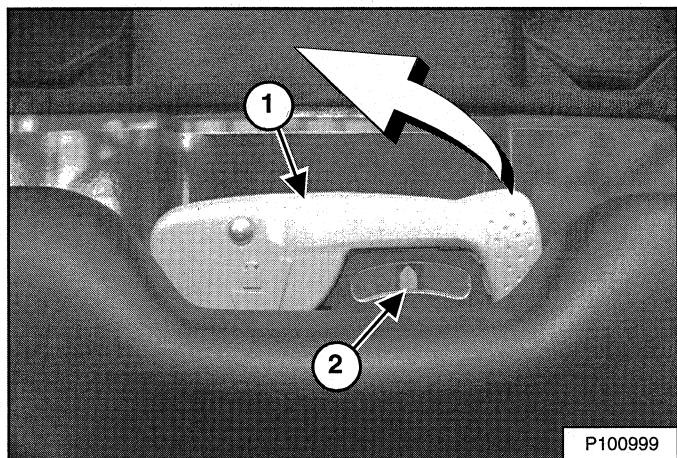
Figure 111



Pull the lever (Item 1) [Figure 111] up to adjust the angle of the seat back.

Pull the lever (Item 2) [Figure 111] up to adjust the seat position for comfortable operation of the loader controls.

Figure 112

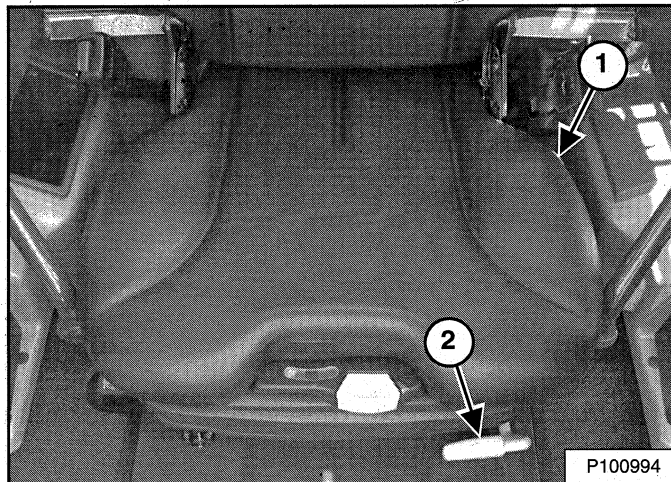


The lever (Item 1) is used to adjust the suspension response of the seat depending on the operator's weight. The optimum setting is achieved with the needle (Item 2) [Figure 112] centered in the gauge with the operator normally seated.

Pivot the lever out fully to adjust the setting. Pump lever between middle and upper positions to move the needle to the right. Pump lever between middle and lower positions to move the needle to the left. Return lever to the middle position and pivot lever back fully to lock in setting.

Air Ride Suspension Seat (Option)

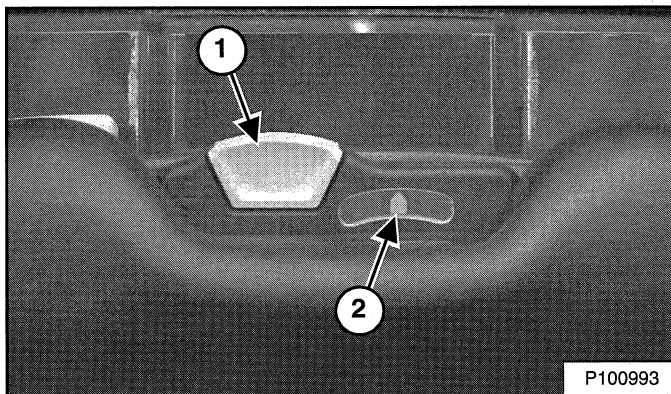
Figure 113



Pull the lever (Item 1) [Figure 113] up to adjust the angle of the seat back.

Pull the lever (Item 2) [Figure 113] up to adjust the seat position for comfortable operation of the loader controls.

Figure 114



The lever (Item 1) is used to adjust the suspension response of the seat depending on the operator's weight. The optimum setting is achieved with the needle (Item 2) [Figure 114] centered in the gauge with the operator normally seated.

Pull the lever (Item 1) [Figure 114] up and hold to increase the amount of air in the seat suspension. Push the lever down and hold to decrease the amount of air in the seat suspension.

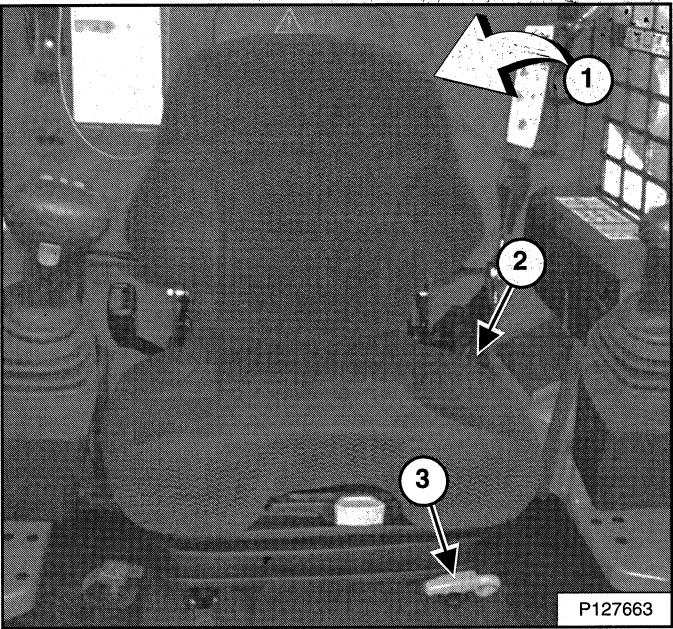
NOTE: The loader electrical system must be turned ON to increase the amount of air in the seat suspension.

PRE-STARTING PROCEDURE (CONT'D)

Seat Adjustment (Cont'd)

Heated Cloth Air Ride Suspension Seat (Option)

Figure 115

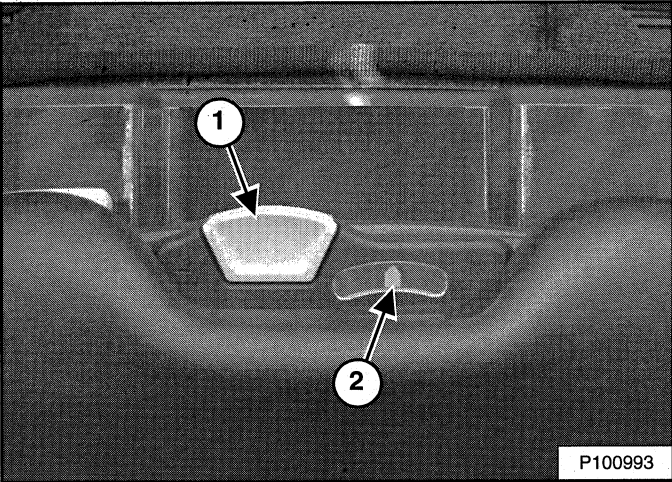


The switch (Item 1) [Figure 115] to turn the heated seat ON or OFF is located behind the seat back on the left side.

Pull the lever (Item 2) [Figure 115] up to adjust the angle of the seat back.

Pull the lever (Item 3) [Figure 115] up to adjust the seat position for comfortable operation of the loader controls.

Figure 116



The lever (Item 1) is used to adjust the suspension response of the seat depending on the operator's weight. The optimum setting is achieved with the needle (Item 2) [Figure 116] centered in the gauge with the operator normally seated.

Pull the lever (Item 1) [Figure 116] up and hold to increase the amount of air in the seat suspension. Push the lever down and hold to decrease the amount of air in the seat suspension.

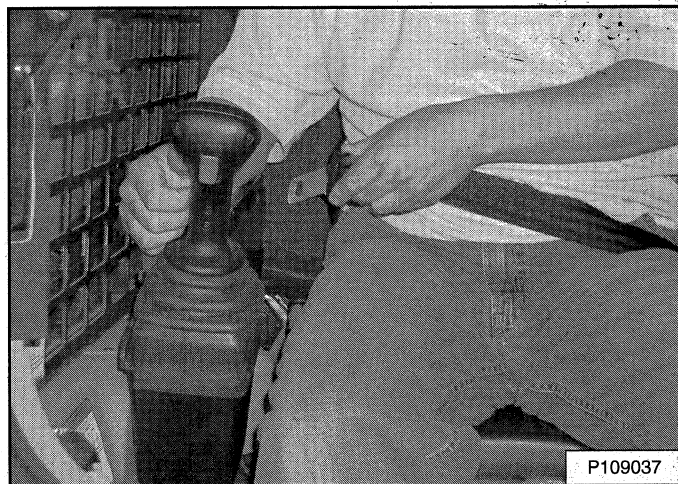
NOTE: The loader electrical system must be turned ON to increase the amount of air in the seat suspension and to operate the heated seat.

PRE-STARTING PROCEDURE (CONT'D)

Seat Belt Adjustment

Standard Seat Belt

Figure 117



Pull the lap belt across to the right side of the seat and fasten **[Figure 117]**.

The lap belt must be positioned over your lower hips.

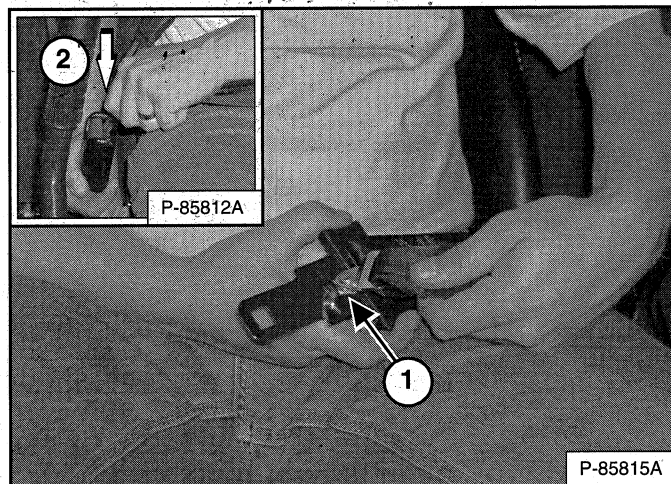
IMPORTANT

Check the seat belt retractor for correct operation.
Keep retractor clean and replace as necessary.

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3-Point Restraint (Option And Loaders Equipped With Two-Speed)

Figure 118



Connect the shoulder belt to the lap belt (Item 1). Pull the lap belt across to the right side of the seat and fasten (Item 2) **[Figure 118]**.

The shoulder belt must be positioned over your left shoulder and lap belt over your lower hips.

IMPORTANT

Check the seat belt and shoulder belt retractors for correct operation.

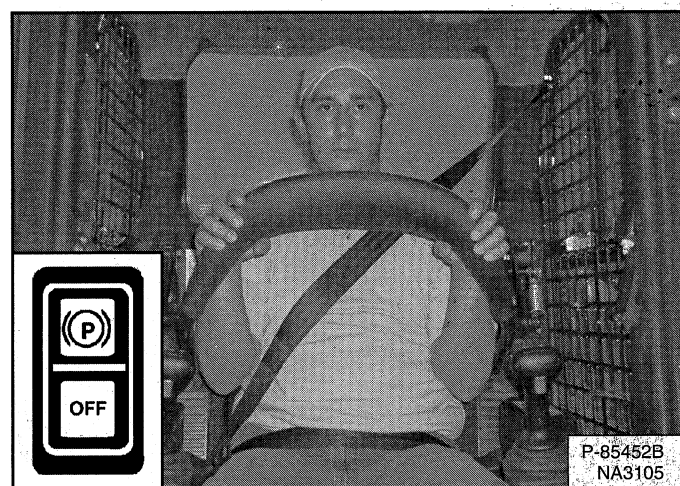
Keep retractors clean and replace as necessary.

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PRE-STARTING PROCEDURE (CONT'D)

Seat Bar

Figure 119



Lower the seat bar and engage the parking brake [Figure 119].

Put the foot pedals or hand controls in NEUTRAL position.

NOTE: Keep your hands on the steering levers and your feet on the foot pedals (or footrests) while operating the loader.

WARNING

AVOID INJURY OR DEATH

When operating the machine:

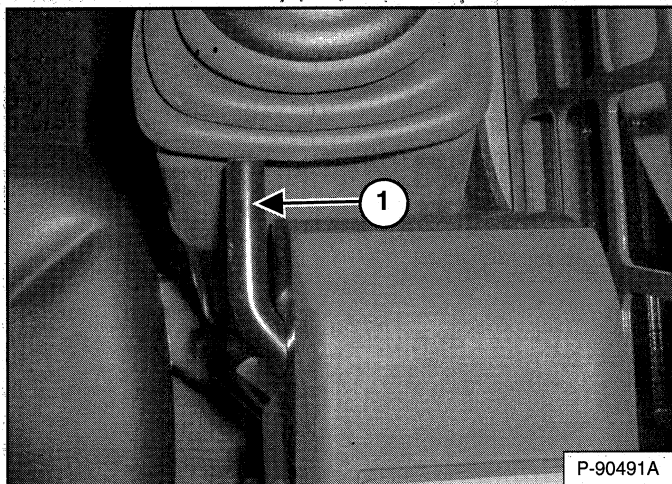
- Keep the seat belt fastened snugly.
- The seat bar must be lowered.
- Keep your feet on the pedal controls or footrests and hands on the controls.

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Joystick Position Adjustment

Joystick Position Adjustment is available on SJC equipped machines.

Figure 120



Pull the joystick adjustment lever (Item 1) [Figure 120] up to slide the loader joystick forward or backward to adjust for comfortable operation. (Right side shown.)

STARTING THE ENGINE

Standard Key Panel

! WARNING

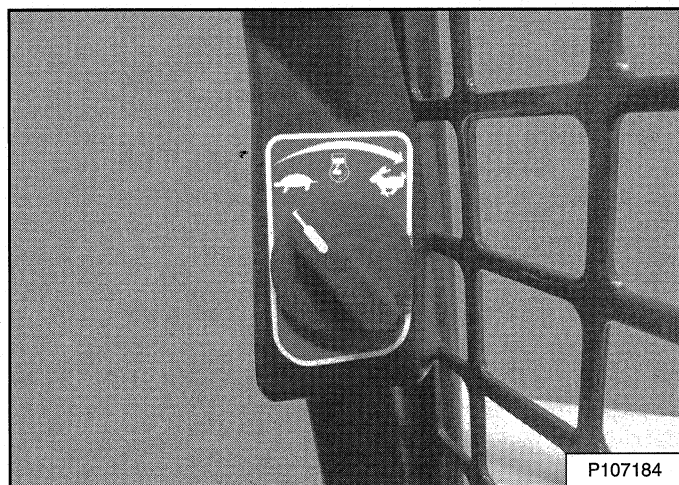
AVOID SERIOUS INJURY OR DEATH

- Engines can have hot parts and hot exhaust gas. Keep flammable material away.
- Do not use machines in atmosphere containing explosive dust or gases.

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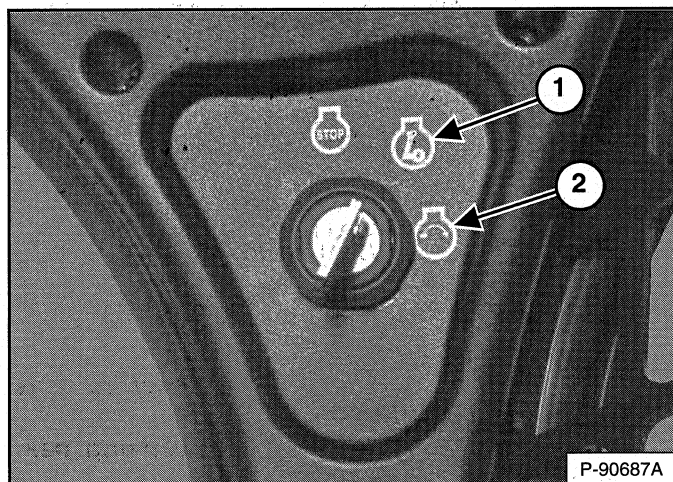
Perform the PRE-STARTING PROCEDURE. (See PRE-STARTING PROCEDURE on Page 81.)

Figure 121



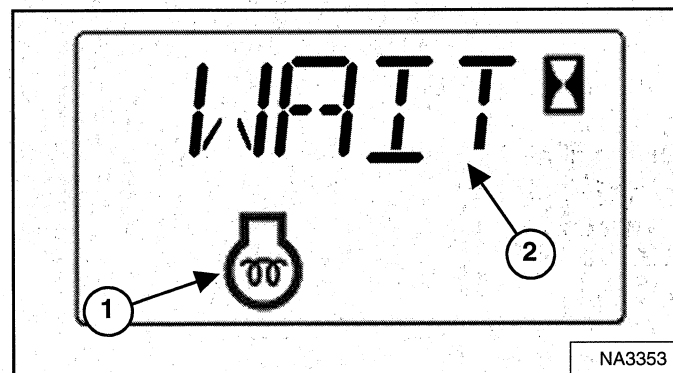
Set the engine speed control to the low idle position [Figure 121].

Figure 122



Turn the key switch to RUN (Item 1) [Figure 122]. The indicator lights on the left instrument panel will come ON briefly and the instrument panel / monitoring system will perform a self test.

Figure 123



The machine will cycle the glow plugs automatically based on temperature. The engine preheat icon (Item 1) and the cycle time remaining or [WAIT] (Item 2) [Figure 123] are displayed in the data display.

NOTE: It is recommended in cold weather to cycle the glow plugs twice before attempting to start the engine. This will allow for additional heating time for cold weather starting.

When the engine preheat icon goes OFF, turn the key switch to START (Item 2). Release the switch when the engine starts and allow the switch to return to the RUN position (Item 1) [Figure 122].

STARTING THE ENGINE (CONT'D)

Standard Key Panel (Cont'd)

NOTE: Make sure both hand controls (ACS) or joysticks (SJC) are in the NEUTRAL position before starting the engine. Do not move the levers or joysticks from the NEUTRAL position when turning the key switch to RUN or START with the BICS™ activated.

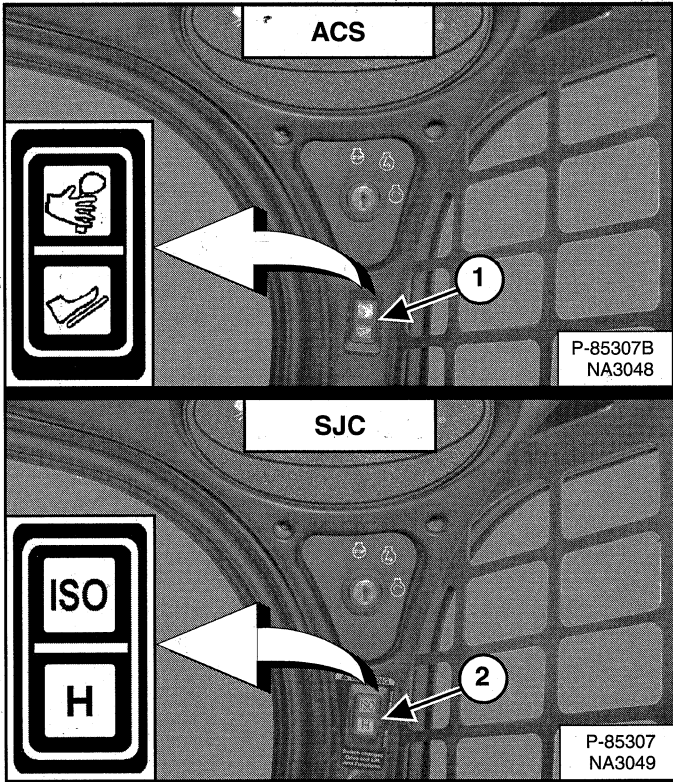
! WARNING

AVOID INJURY OR DEATH

- Fasten seat belt, start and operate only from the operator's seat.
- Never wear loose clothing when working near machine.

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Figure 124

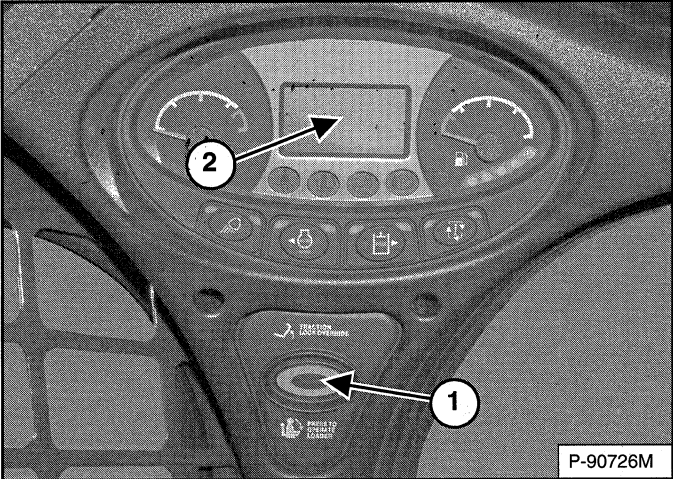


(ACS) Select hand control or foot pedal operation (Item 1) [Figure 124] if equipped with ACS.

OR

(SJC) Select 'ISO' or 'H' Control Pattern (Item 2) [Figure 124] if equipped with SJC.

Figure 125



Press the PRESS TO OPERATE LOADER button (Item 1) [Figure 125] to activate the BICS™ and to perform hydraulic and loader functions.

(SJC) The current drive response setting is displayed briefly in the data display (Item 2) each time the PRESS TO OPERATE LOADER button (Item 1) [Figure 125] is pressed.

NOTE: (SJC) The light of the current switch position (ISO or H) will flash, which indicates PRESS TO OPERATE LOADER is required. The light will flash when the key switch is in the RUN position and continue to flash until the PRESS TO OPERATE LOADER button is pressed, then the light will become solid. If the mode (ISO / H) is changed while driving, the active mode light will remain solid and the pending mode light will flash. When operation of the machine is returned to NEUTRAL, the active mode light will turn off and the pending mode light will continue to flash until the PRESS TO OPERATE LOADER button is pressed.

! WARNING

AVOID INJURY OR DEATH

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. If the engine is stationary, vent the exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

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