

Installing the Power-Angle-Tilt (PAT) dozer blade

⚠ WARNING

Falling object hazard!

Before operating the machine, always make sure the bucket or attachment is securely locked into the coupler. A loader bucket or attachment that is not securely locked into the coupler could come off during loader operation.

Failure to comply could result in death or serious injury.

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The hydraulic bucket coupler and dozer blade quick connect systems allow the operator to remain in the operator seat and easily attach to the dozer blade attachment.

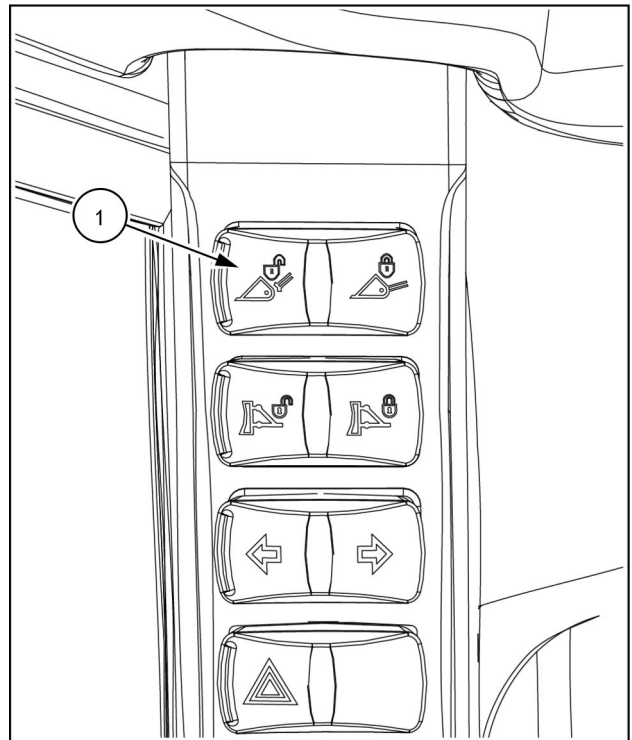
The hydraulic bucket coupler and hydraulic dozer blade quick connect switch must be used in conjunction with the right-hand control lever auxiliary thumbwheel (held to the end of its stroke).

NOTE: If you have any questions about installing or removing attachments, contact your dealer.

Coupling to the blade receiver

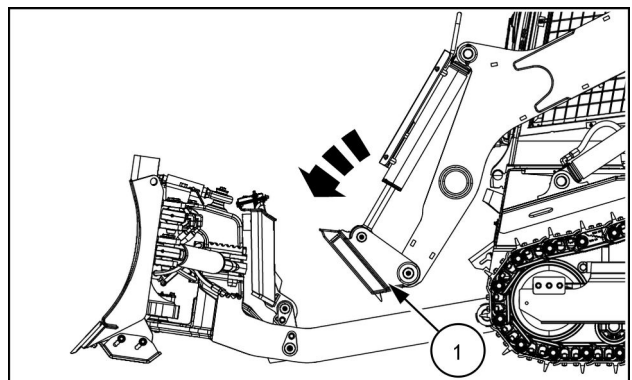
NOTE: First ensure that vehicle control is set to ISO. See 3-28 for details on switching between DZR and ISO vehicle control.

1. Confirm the red markings on the hydraulic bucket coupler indicator pins (2) (figure 6) are visible (unlock position). If the red markings are not visible, press and hold the hydraulic bucket coupler switch (1) in the unlock direction. With the other hand activate and hold the control lever's auxiliary thumbwheel until red markings are visible and fully raised.



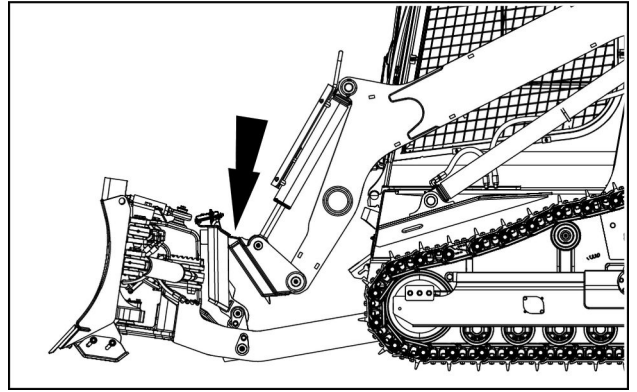
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2. Tilt the hydraulic coupler (1) forward.



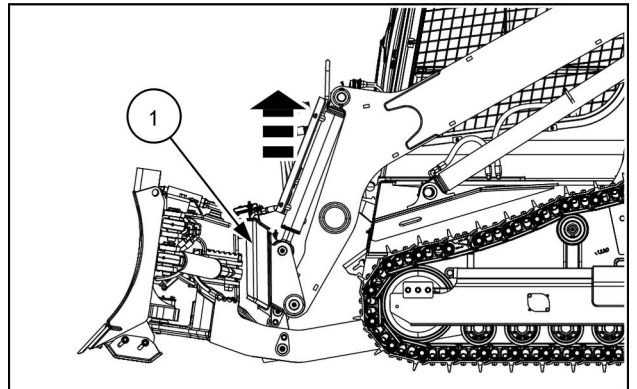
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3. Slowly move the machine toward the attachment until both tabs on top of the coupler are underneath and in alignment with the receiver of the dozer blade.



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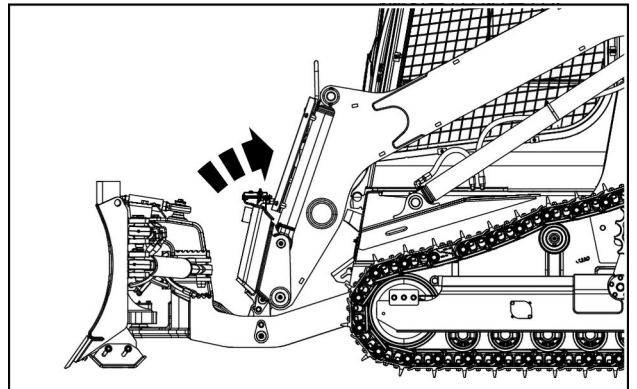
4. Raise the loader arm enough to engage the blade receiver (1).



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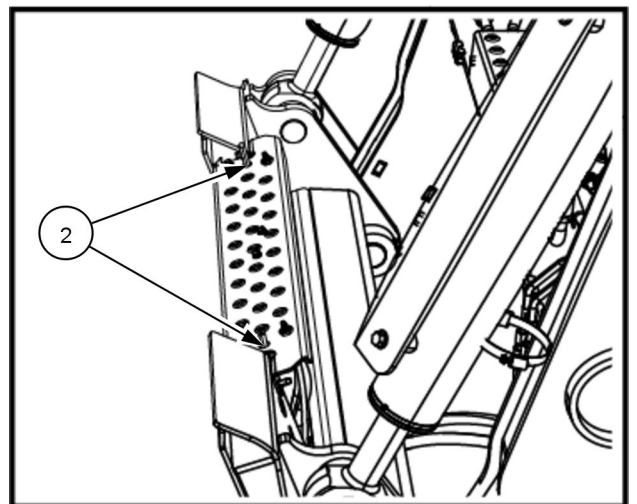
5. Curl the coupler back towards the machine while maneuvering forward forcing the coupler into the machine. Continue to lower the coupler at the same time to keep the dozer blade from coming up off of the ground but not so much that the coupler comes out of the receiver.

NOTE: In the next step, if the indicator pins do not retract you may need to reposition the receiver on the coupler.



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6. There is also a red indicator pin protruding through the top of the receiver step. When the coupler has inserted far enough into the receiver, the red portion of this indicator will lower into the top receiver step.
7. When the indicator is nearly out of sight (top of indicator is approximately flush with top of step), operate the auxiliary thumbwheel on the control lever to the end of its control stroke. The indicator pins (2) on the coupler will retract into the lock position and the red markings will no longer be visible on the indicator pins.
8. Curl the coupler back as far as possible and push the hydraulic enable button to disable the vehicle hydraulics.



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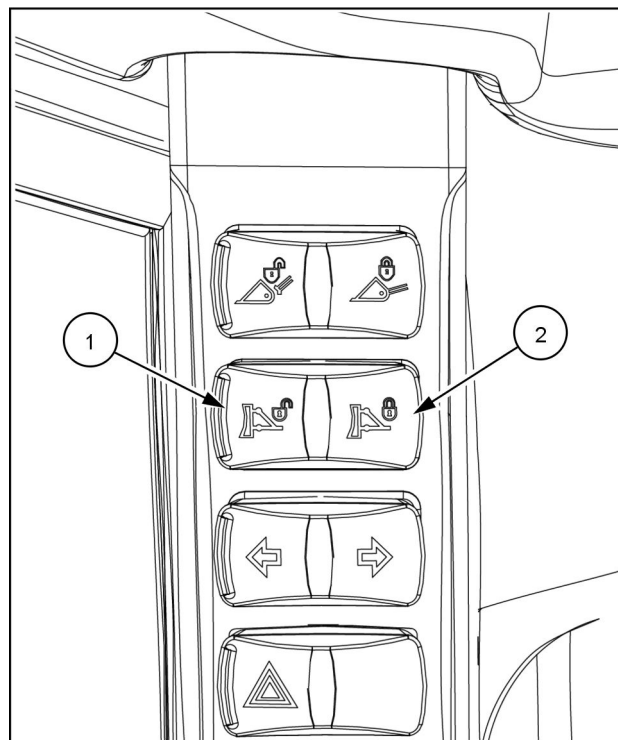
Connecting the blade to the vehicle chassis

NOTE: Before continuing, the vehicle control must be set to DZR. See 3-28 for details on switching between DZR and ISO vehicle control.

- Once set to DZR and hydraulics are enabled, retract the pins in the front pockets of the chassis by pressing and holding the UNLOCK side of the hydraulic dozer blade quick connect switch (1) while simultaneously holding the auxiliary hydraulics thumbwheel to either end of the control stroke. There is no visual indicator showing when the pins are fully retracted, so simply hold for 3 seconds, release the thumbwheel first, and then the dozer blade quick connect switch.

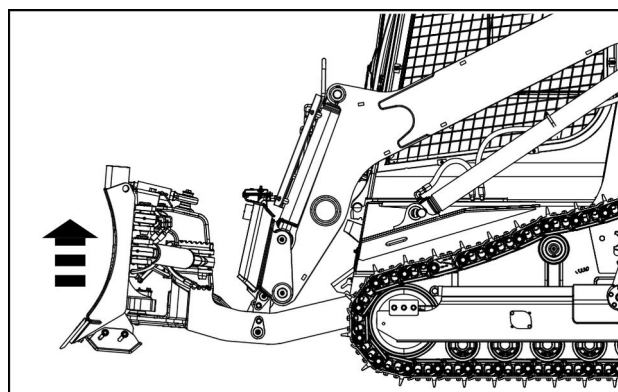
NOTE: There will be a popup on the display stating that the C-frame pins are not locked. This message will remain until the blade pins have been extended back out fully after connection to the blade is complete.

- Begin to move in reverse slowly until the blade starts to move with the vehicle.



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- Stop and slowly raise the loader arm. The blade C-frame arms will come up off the ground and into the front pockets of the chassis.
- When the arms are into the pockets and make contact with the chassis, the blade will begin to raise up off the ground.
- Stop the loader arm when the blade comes off the ground and lower back down slowly only until the blade rests on the ground.
- Begin to drive forward until the blade starts to move forward as well.
- Stop moving, press the LOCK side of the blade quick connect switch (2), and then move the auxiliary hydraulics thumbwheel to either end of its stroke.
- The pins will extend and the display message will disappear.
- Lower the blade to ensure it is resting on the ground but do not pick up the front of the vehicle.
- Disable hydraulics and exit the cab to visually check that the coupler pins and blade quick connect pins are engaged properly into the receiver and C-frame arms.

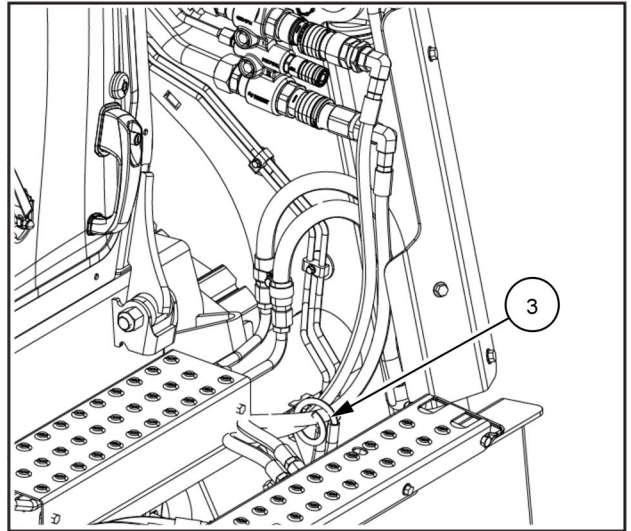


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Connecting the blade hydraulics

NOTE: See "Auxiliary hydraulics" 6-11 for details on relieving pressure in the auxiliary coupler manifolds prior to connecting hydraulics.

1. On the left loader arm manifold, connect the hydraulic lines from the left side of the blade receiver to the quick connect couplers.
2. On the right loader arm manifold, connect the hydraulic lines from the right side of the blade receiver to the quick connect couplers.
3. Push the hoses into the retaining rings **(3)** on the front of the loader cross tube as shown to keep them secured out of the way of the operator's path in and out of the cab.



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