Product: WHEEL LOADER
Model: 962M WHEEL LOADER F2T
Configuration: 962M Wheel Loader F2T00001-UP (MACHINE) POWERED BY C7 Engine

Disassembly and Assembly
950M, 962M, 950M Z and 962M Z Wheel Loaders Power Train
Media Number -UENR3112-08 **Publication Date -01/09/2015** **Date Updated -01/03/2018**

i04416513

Steering Frame Lock - Separate and Connect

SMCS - 7506-029

Connection Procedure

WARNING

Personal injury or death can result from machine articulation or movement.

Machine frames can move and a person can be crushed.

Connect the steering frame lock link between the front and rear frames before working on machine. Secure clevis pin with locking pin.

Before operating the machine, fasten the steering frame lock link into the stored position and secure the clevis pin with locking pin.

Failure to lock into the stored position before operating can result in loss of steering.

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1. Move the machine to a hard, level surface. Park the machine in the straight ahead position and engage the parking brake.

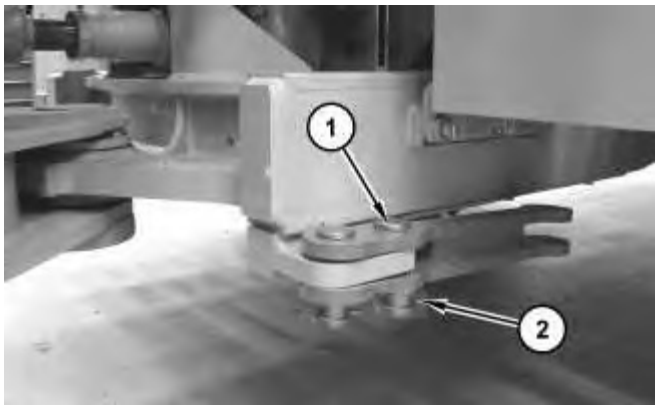

Illustration 1 g02615257

2. Remove locking pin (2) from pin (1).

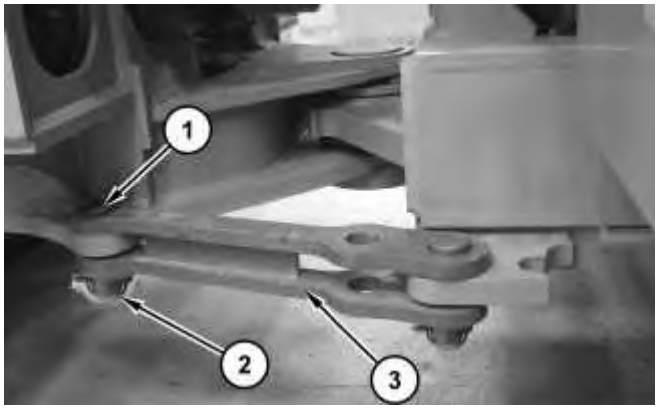

Illustration 2 g02614798

3. Position steering frame lock (3) to the front frame. Install pin (1) and locking pin (2).

   Note: To align the pin bores, move the front loader frame.

Separation Procedure

WARNING

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Connect the steering frame lock link between the front and rear frames before working on machine. Secure clevis pin with locking pin.

Before operating the machine, fasten the steering frame lock link into the stored position and secure the clevis pin with locking pin.

Failure to lock into the stored position before operating can result in loss of steering.

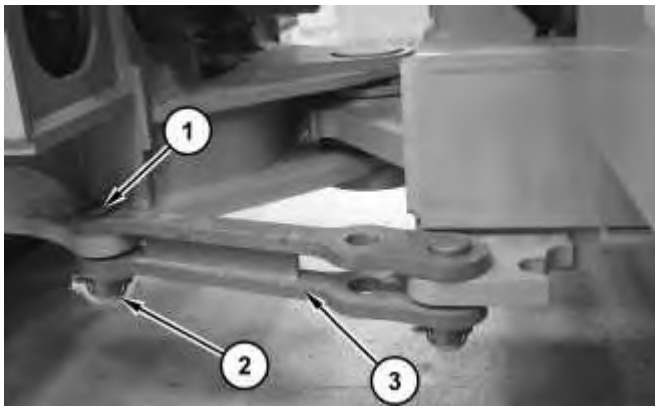

Illustration 3 g02614798

1. Remove locking pin (2) and pin (1). Move steering frame lock (3) to the storage position.

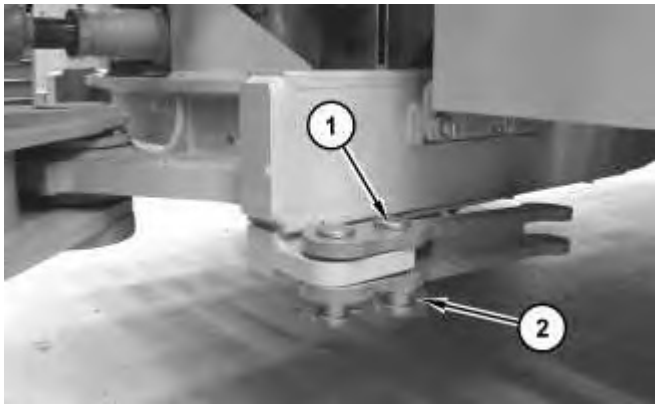

Illustration 4 g02615257

2. Install pin (1) and locking pn (2).

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i04417880

System Pressure - Release

SMCS - 4250-553-PX; 4300-553-PX; 5050-553-PX

Machine Preparation

WARNING

Personal injury can result from hydraulic oil pressure and hot oil.

Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.

Make sure all of the work tools have been lowered to the ground, and the oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.

WARNING

Escaping fluid under pressure, even a pinhole size leak, can penetrate body tissue, causing serious injury, and possible death. If fluid is injected into your skin, it must be treated immediately by a doctor familiar with this type of injury.

Always use a board or cardboard when checking for a leak.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

1. Refer to Testing and Adjusting, "Machine Preparation for Troubleshooting" for the machine that is being serviced before performing the following procedure.

Release System Pressure

1. Move the machine to a location that is smooth, level, and hard. The location should also be dry and free of debris. Stop the engine.
2. Permit only one operator on the machine. All other personnel should be kept away from the machine.
3. If the machine is equipped with a ride control system, move the ride control switch to the SERVICE position.

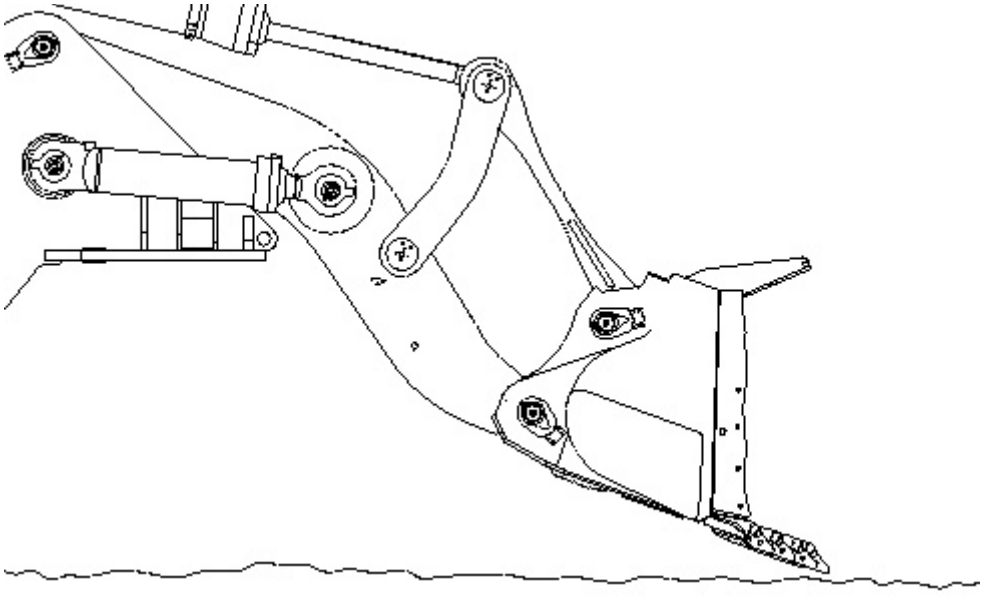

Illustration 1 g02009358

4. Position the bucket or work tool just above the ground at a slight downward angle. This position will ensure that the head end of the lift cylinders is pressurized.

5. Engage the parking brake.

6. Turn the engine start switch to the OFF position.

7. When the engine has stopped, turn the engine start switch back to the ON position so the pilot oil can reach the main valve.

8. Move the implement lockout switch to the UNLOCKED position.

9. Move the lift control lever to the FLOAT position and the tilt control lever to the TILT BACK position at the same time. This action allows the bucket or the work tool to tilt back while the boom is lowered.

   The bottom of the bucket or the work tool should rest flat on the ground. The weight of the linkage should be supported by the ground. The pressure from the head end of the lift cylinders and from the ride control accumulator is now vented to the hydraulic tank.

10. When the bucket or the work tool has settled to the ground, move both control levers to the HOLD position. Then, repeatedly cycle the control levers through all positions in order to purge any remaining pressure from the implement hydraulic system.

11. Turn the steering wheel several times in both directions in order to relieve the pressure in the steering system. To release the pressure from steering cylinders on machines equipped with joystick steering, the machine must not be operated for a minimum of 10 minutes. 10 minutes will allow sufficient time for the pressure in the steering system to dissipate.

12. Turn the engine start switch to the OFF position.

13. Depress the brake pedal repeatedly. This step will relieve any pressure that may be present in the braking system.

14. Push in the plunger for the hydraulic tank breaker relief valve until all pressure is released.

    Note: If the machine is not equipped with a hydraulic tank breaker relief valve, remove the hydraulic tank cap slowly to relieve tank pressure.

Dead Electronics

1. If the electronics fail, all stored hydraulic oil pressure may not be relieved. The following precautions should be taken.

2. Turn the engine OFF.

3. The machine should be secured with a lockout.

4. Use the appropriate stand or blocks to prevent undesired drift of implements.

5. Barriers should be used in order to prevent personnel from entering areas that implement drift or movement could be hazardous.

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