

SECTION 6 MAIN FRAME

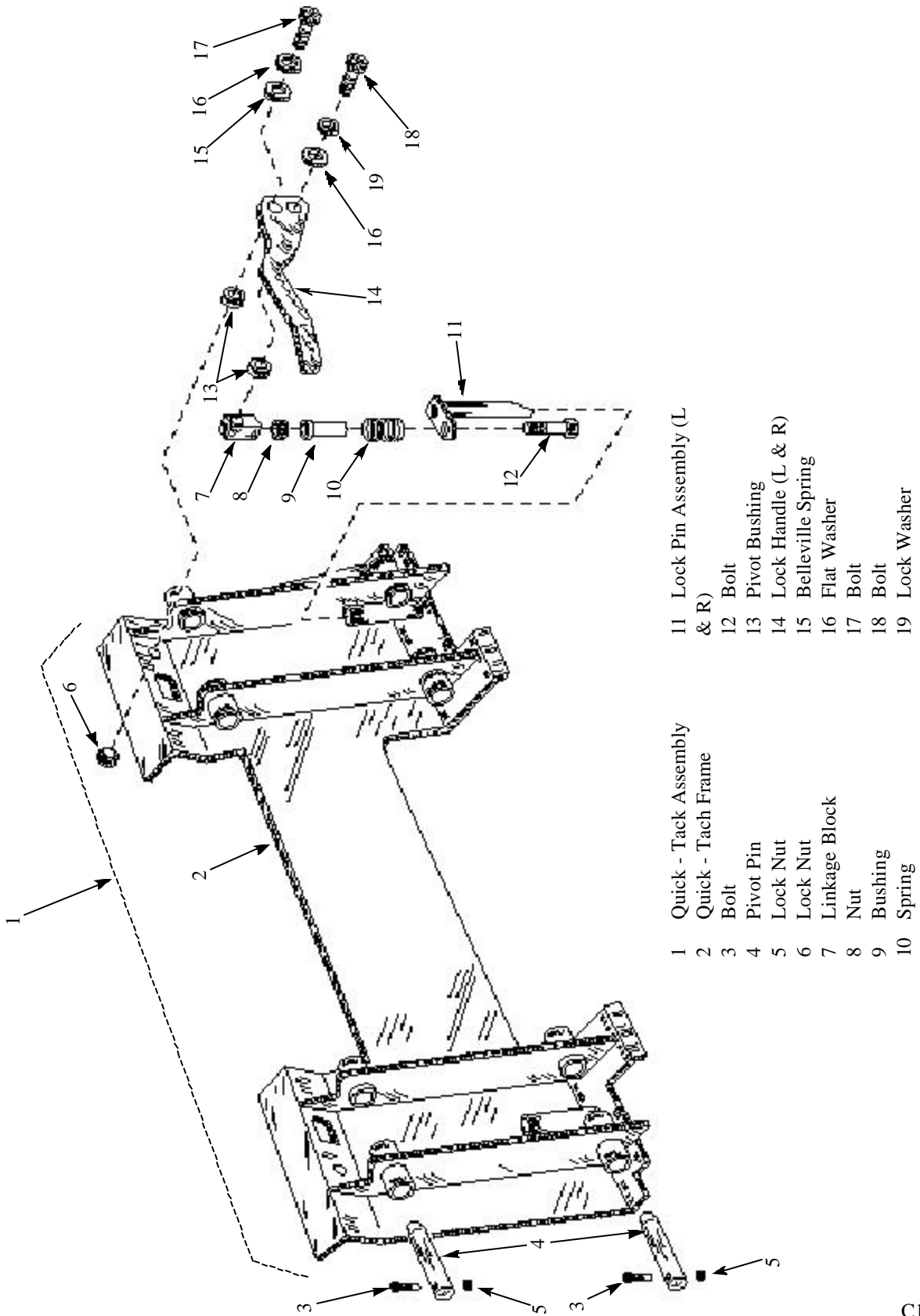
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QUICK - TACH 6.1

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Universal Quick - Tach Assembly



C1098

NOTES



6

THOMAS

QUICK TACH 6.1

Preventative Maintenance

To keep the quick - tach locking pins and mechanism working freely, and to prevent pin and bushing wear, the quick tack must be lubricated every 8 hours of operations. More often in dirty applications.

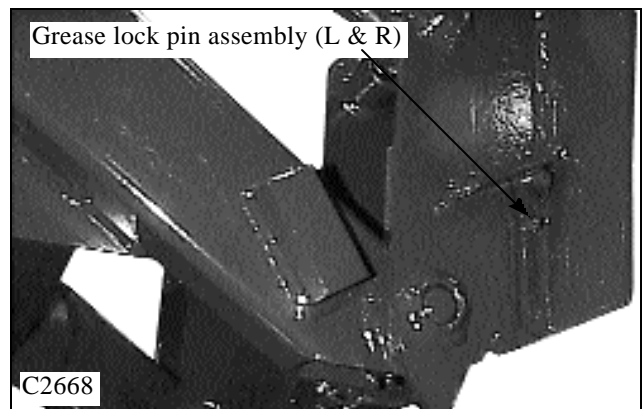
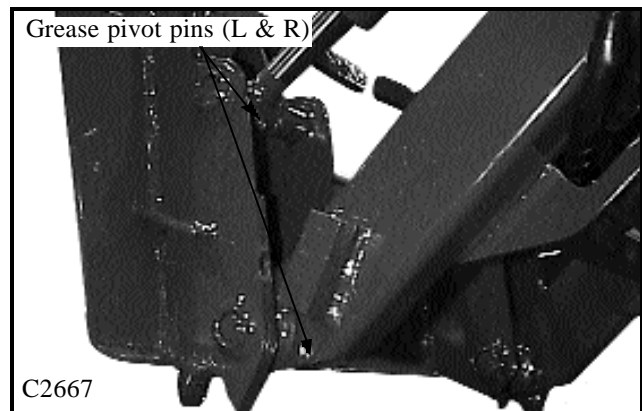
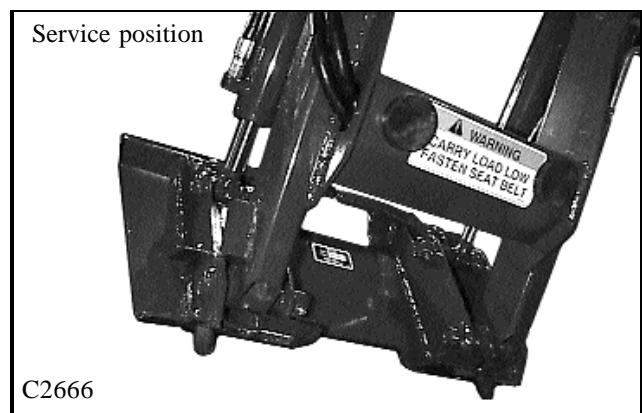
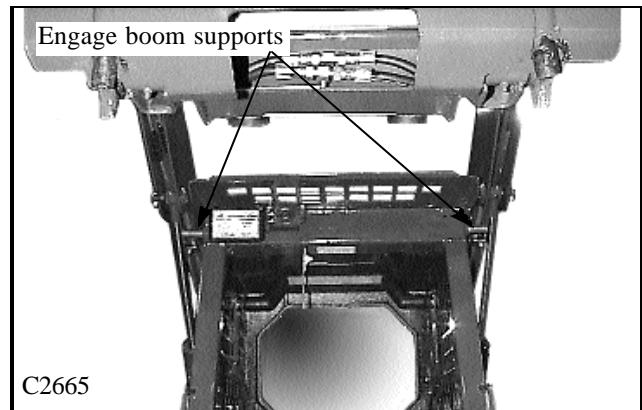
Lubricate the quick - tach as follows:

1 Remove any attachment from the loader, raise the boom arms, engage the boom supports, engage the parking brake and shut off the engine. (fig. C2665, C2666).

2 Clean any dirt build up around the linkages.

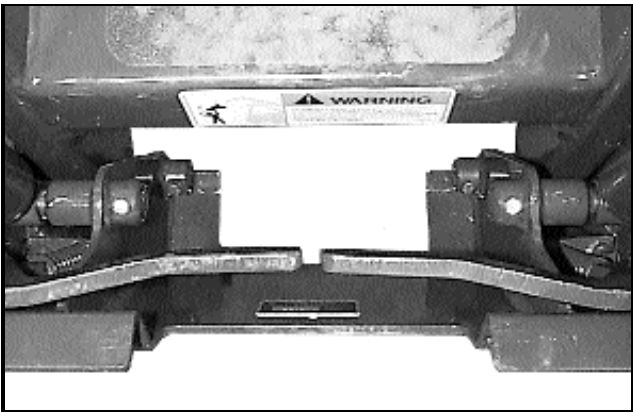
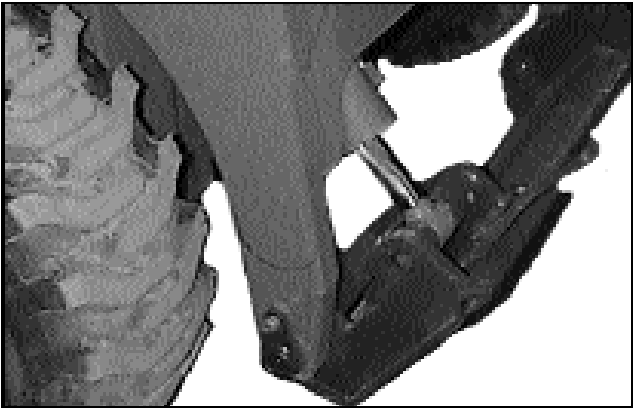
3 Lubricate the grease fittings on each of the pivot pin bushings with a good quality multi purpose lithium based grease until excess shows. (fig. C2667).

4 Lubricate the attachment locking pins. (fig. C2668).



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QUICK - TACH 6.1



Model not exactly as shown

BOOM ARMS 6.2

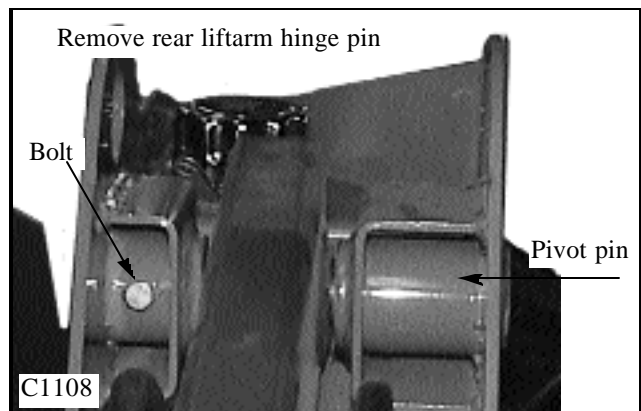
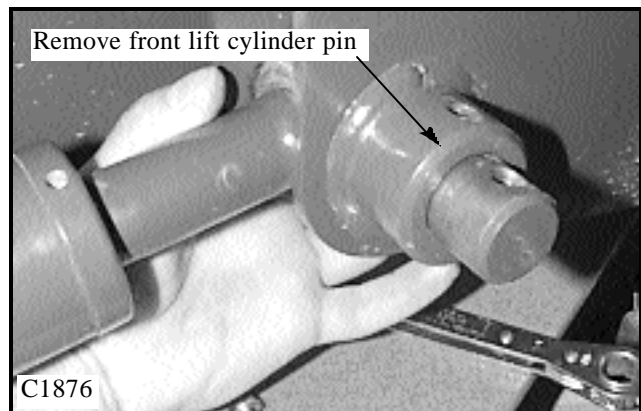
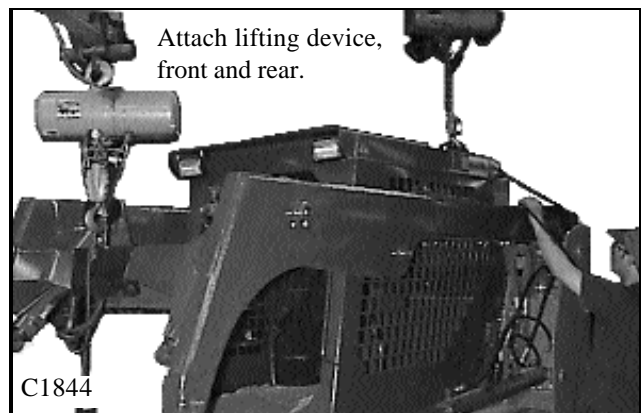
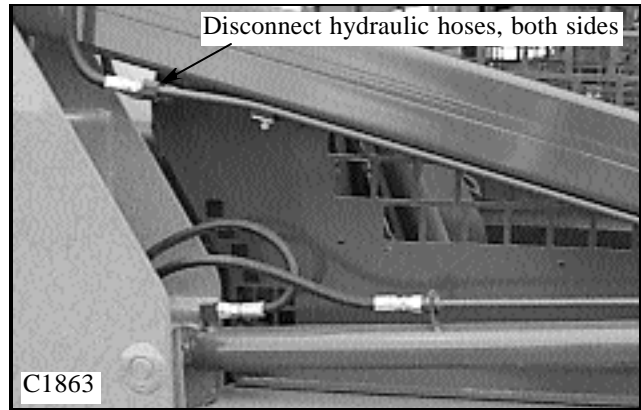
Removal

- 1 Lower the boom arms and shut off the engine. Turn the ignition key to the "RUN" position and cycle the boom and tilt controls to relieve hydraulic backpressure. Lock the boom lift control in the float position.
- 2 Return the key to the "OFF" position and engage the parking brake. (raise the restraint bar).
- 3 Remove the quick - tach assembly from the boom arms. (See Section 6.1).
- 4 Disconnect the hydraulic hoses between the boom arm and reservoir tanks. Cap the open hose ends to prevent contamination. (fig. C1863).
- 5 Fasten chains or lifting straps with an adequate capacity to sustain the weight of the boom arms. Most of the weight is at the front of the boom arms. Attach one set of straps as close as possible to the front, (fig. C1844), and the other set approximately half way toward the rear.
- 6 Raise the boom arms, with an over head hoist, enough to take the weight of the lift cylinders. Remove the bolts from the pivot pins in the lift cylinders that are mounted in the boom arms. (fig. C1876).
- 7 Remove the pins by reaching between the ROPS and the boom arm and pushing the pin out toward you. Take care not to let the lift cylinder fall on your hand.
- 8 Remove the bolts from the upper rear boom arm pivot pins mounted through the main frame. (fig. C1108).
- 9 Remove the pivot pins using an appropriate drift punch and hammer. Use care, do not broom up the end of the pins.
- 10 Raise the boom arms enough to free from the loader and remove them.

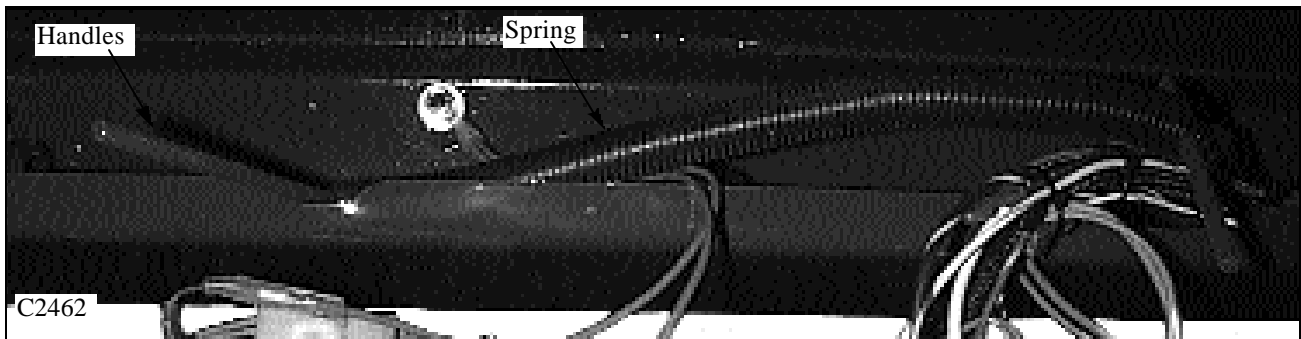
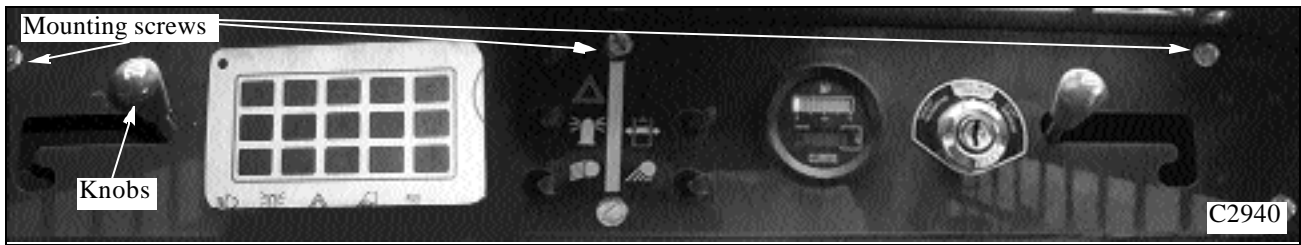
Installation

- 1 Upon installation follow the above procedure in the reverse order.
- 2 Replace any worn or gouged pins and bushings
- 3 All stationary bushings should be coated with anti - seize compound to assist ease of future disassembly. Do not get the anti - seize compound on moving or pivoting parts. The compounds contain abrasives that may cause premature wear of pivot pins and bushings.
- 4 Torque the hydraulic hose fittings as outlined in the Section 8 Hydraulics torque chart.

NOTE: pictures shown are only an example, not exact model.



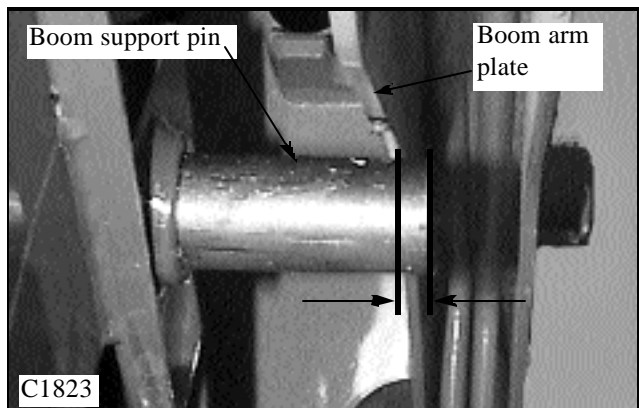
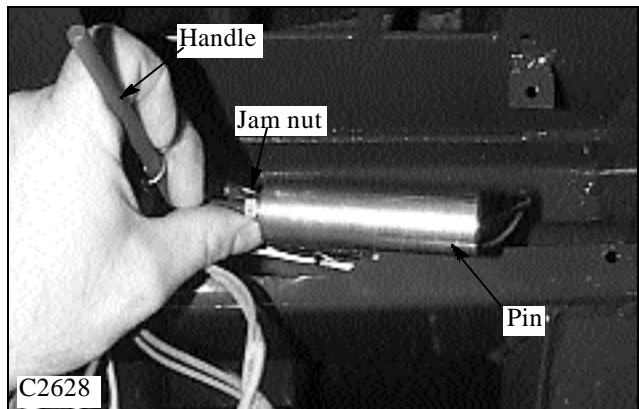
BOOM SUPPORTS 6.3



Boom Arm Supports

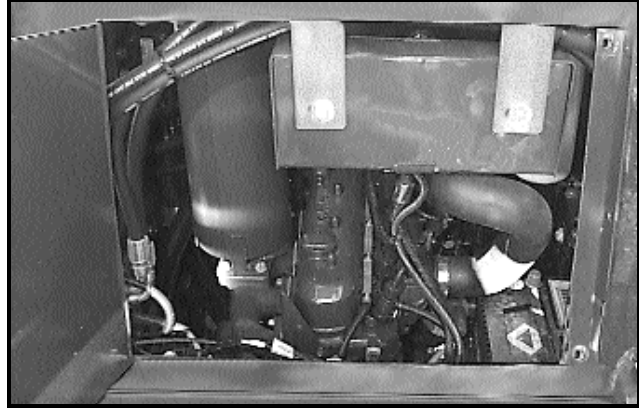
For safety while performing regular service or maintenance work, the loader is equipped with boom supports. The boom supports, when extended, prevent the boom arm from lowering when servicing the loader. The boom supports should be greased every 8 hours of use and engagement depth should be checked every time the supports are used.

- 1 Raise the boom arms, extent the boom supports and allow the boom arms to lower onto the supports. Do not pressure the hydraulic system against the boom supports.
- 2 Shut off the engine and engage the parking brake.
- 3 Measure the distance the boom support pins are protruding past the inner boom arm plate. Proper adjustment should have the support pin protruding past the inner boom arm plate by **1/4 inch. (6.5mm)**. (fig. C1823).
- 4 Adjust the engagement depth by removing the 6 bolts on the dash panels to access the support pins and linkage. (fig. C2940, C2462)
- 5 Loosen the jam nut on the support pin linkage. (fig. C2628)
- 6 Screw the pin in or out the amount necessary to get the proper adjustment for support pin engagement on the boom arms.
- 7 Apply 242 Loctite (blue) to the nut and tighten it against the support pin when installing.
- 8 Lubricate the boom support pins and replace the dash panels.

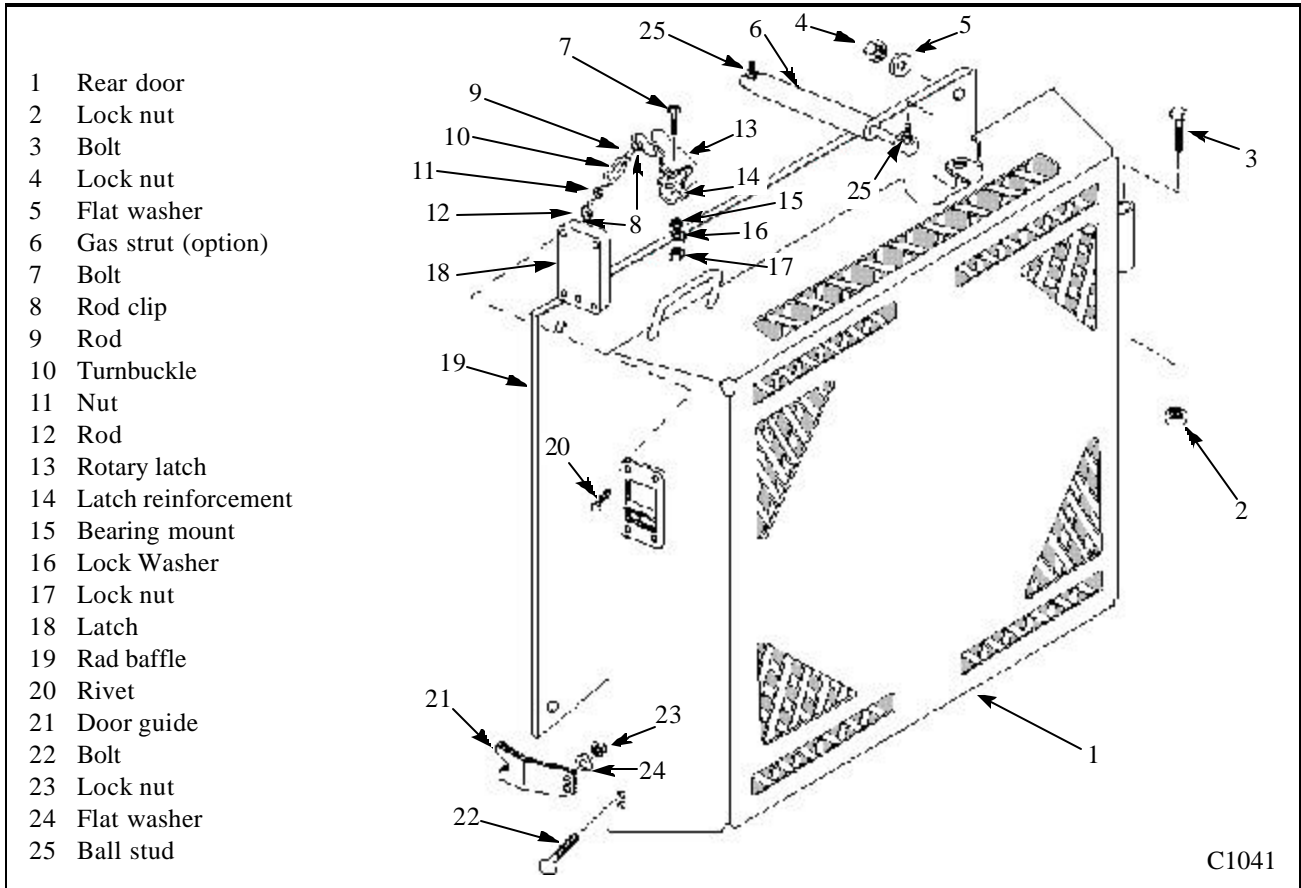


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ROPS 6.4



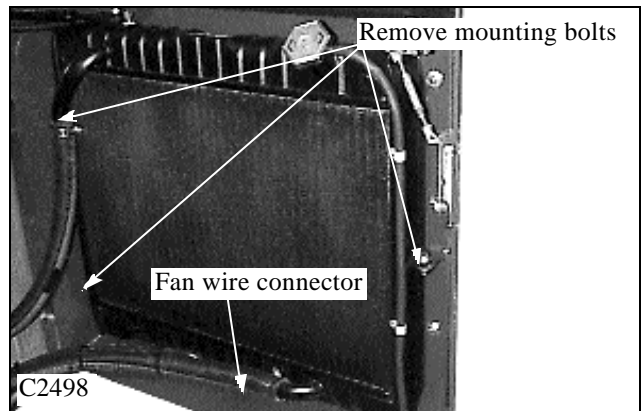
REAR DOOR 6.5



Removal

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- 1 Open the rear door and disconnect the wire connector going to the cooling fans.
- 2 Remove the bolts retaining the radiator to the door. (fig. C2498).
- 3 Remove the radiator and gently lower to the ground.
- 4 Attach chains or straps to the rear door.
- 4 Using a hoist, raise the chains to take the weight of the door and remove the mounting bolts and door.
- 5 Remove the radiator baffle and cooling fans.



Installation

- 1 Replace the door to the frame in the reverse order above.
- 2 Adjust the door guide plate so the rear door looks level with the engine compartment cover, and the door slides freely into the closed position.
- 3 Adjust the door latch linkage so the door does not rattle when in the closed position. This is accomplished by turning the turnbuckle on the latch linkage. (fig. C1041).

