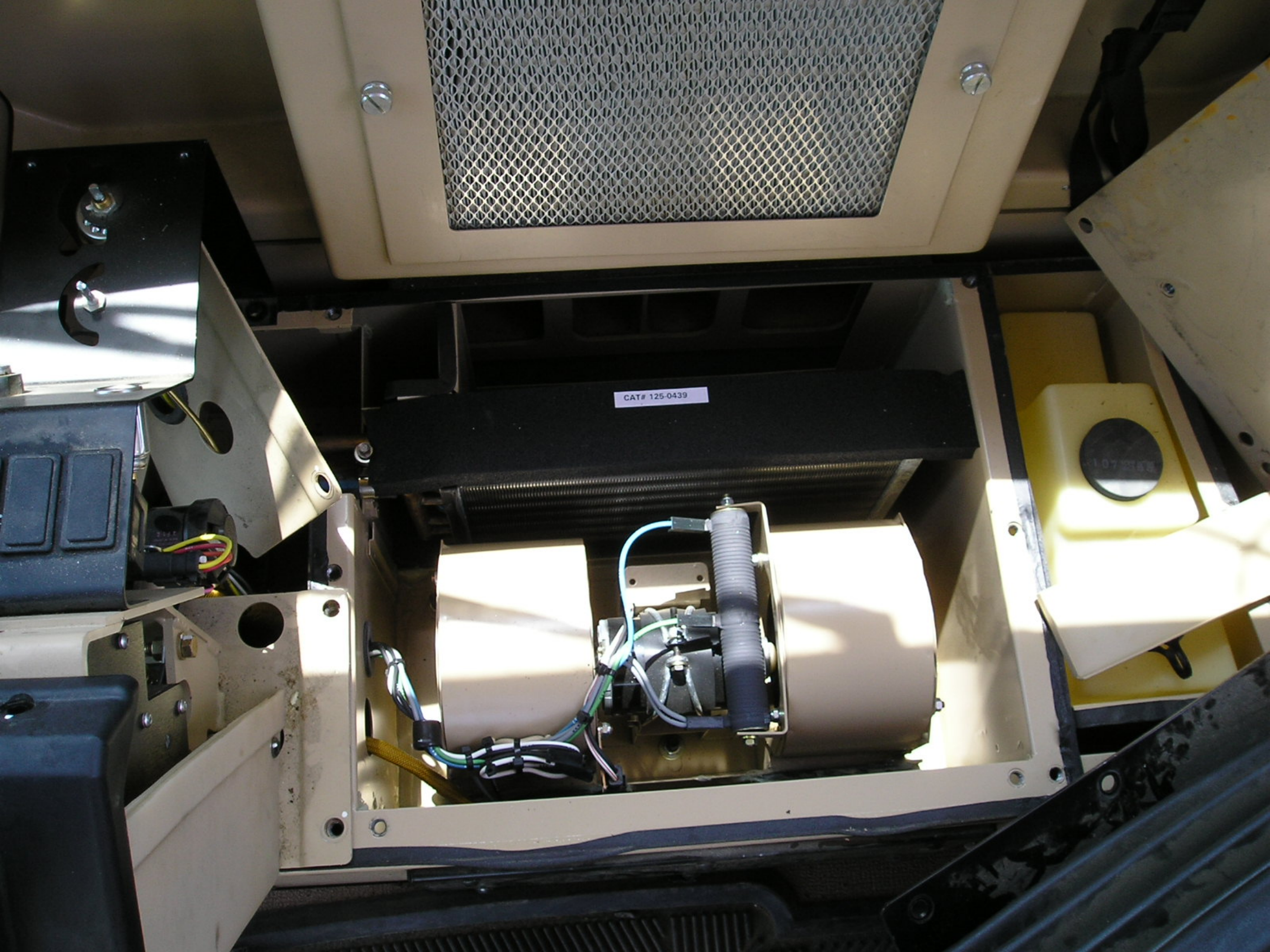

140H
CAT
TOROMONT
CCA009922
VHP PLUS


CAT# 125-0439


CAT# 125-0439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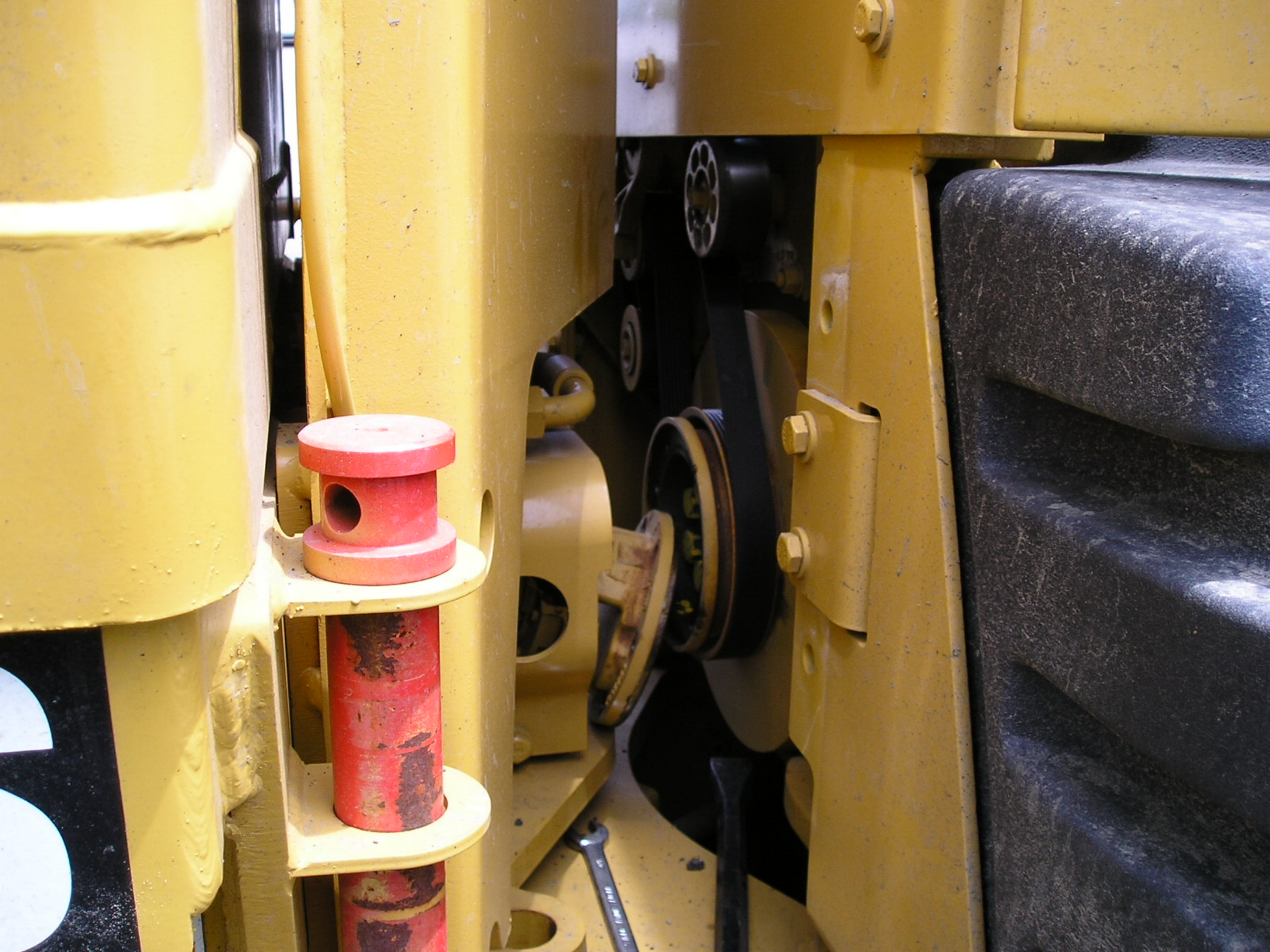
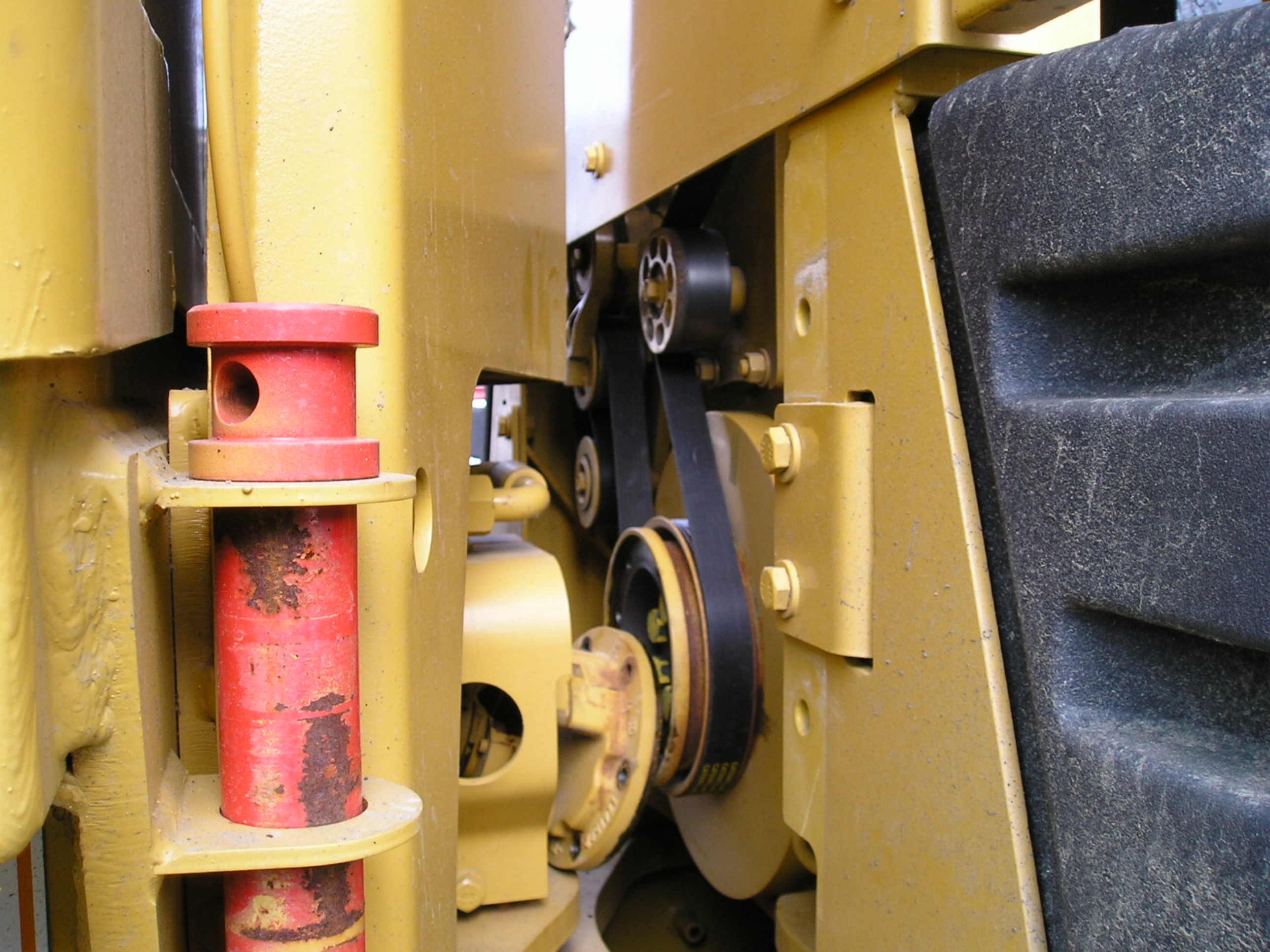





SANDEN
FLX

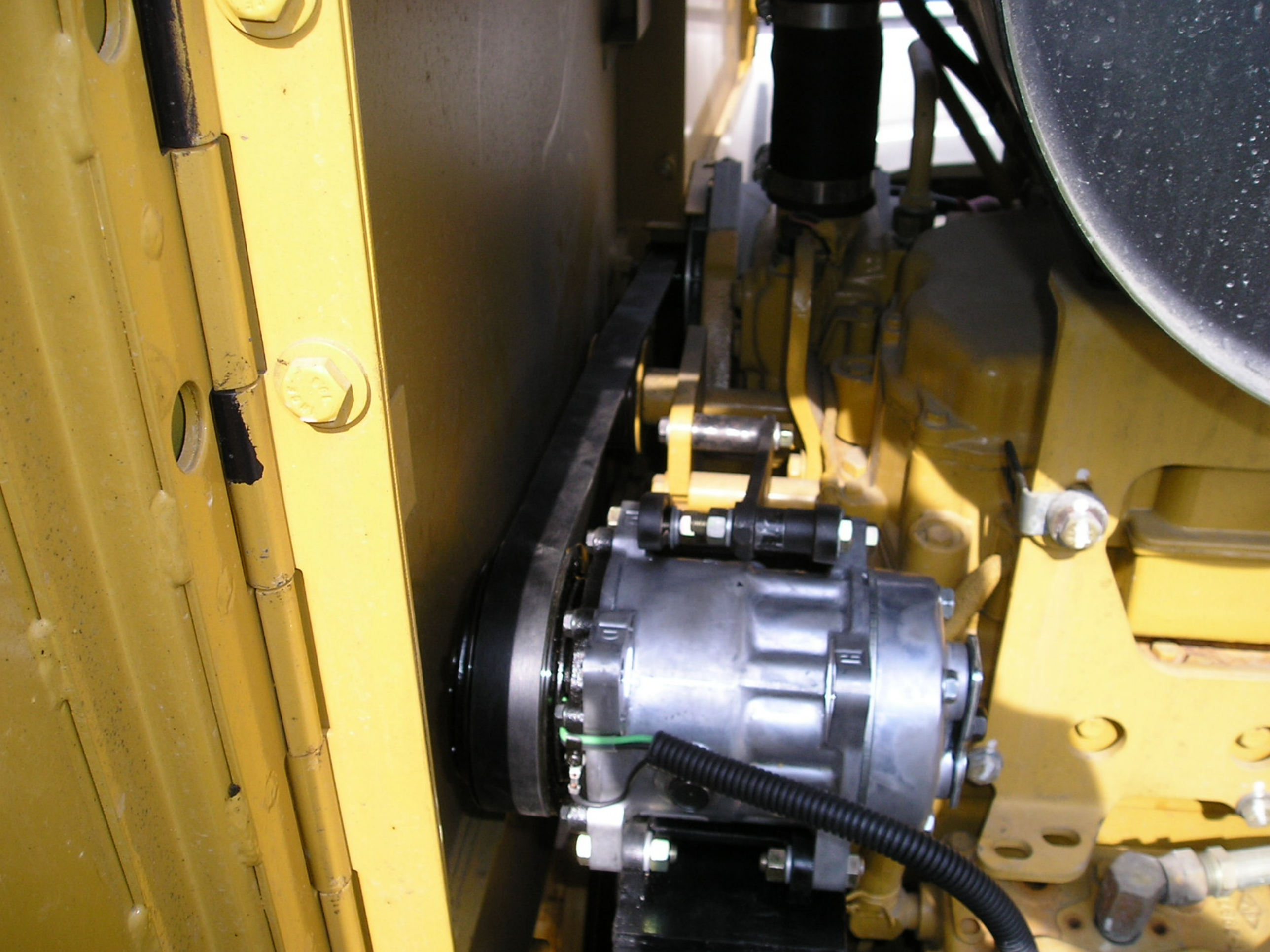

P PLUS

PLUS

NO CLEARANCE FOR PERSON IN THIS AREA WHEN MACHINE TURNS. SEVERE INJURY OR DEATH FROM CRUSHING COULD OCCUR.

CONNECT STEERING FRAME LOCK BETWEEN FRONT AND REAR FRAMES BEFORE LIFTING, TRANSPORTING, OR SERVICING MACHINE IN ARTICULATION AREA.

DISCONNECT LOCK AND SECURE BEFORE RESUMING OPERATION.




TEMP. MAX.
OFF
TEMP
24V


WARNING
NO CLEARANCE FOR
PERSON IN THIS AREA
WHEN MACHINE TURNS.
SEVERE INJURY OR
DEATH FROM CRUSHING
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CONNECT STEERING FRAME LOCK
BETWEEN FRONT AND REAR
FRAMES BEFORE LIFTING,
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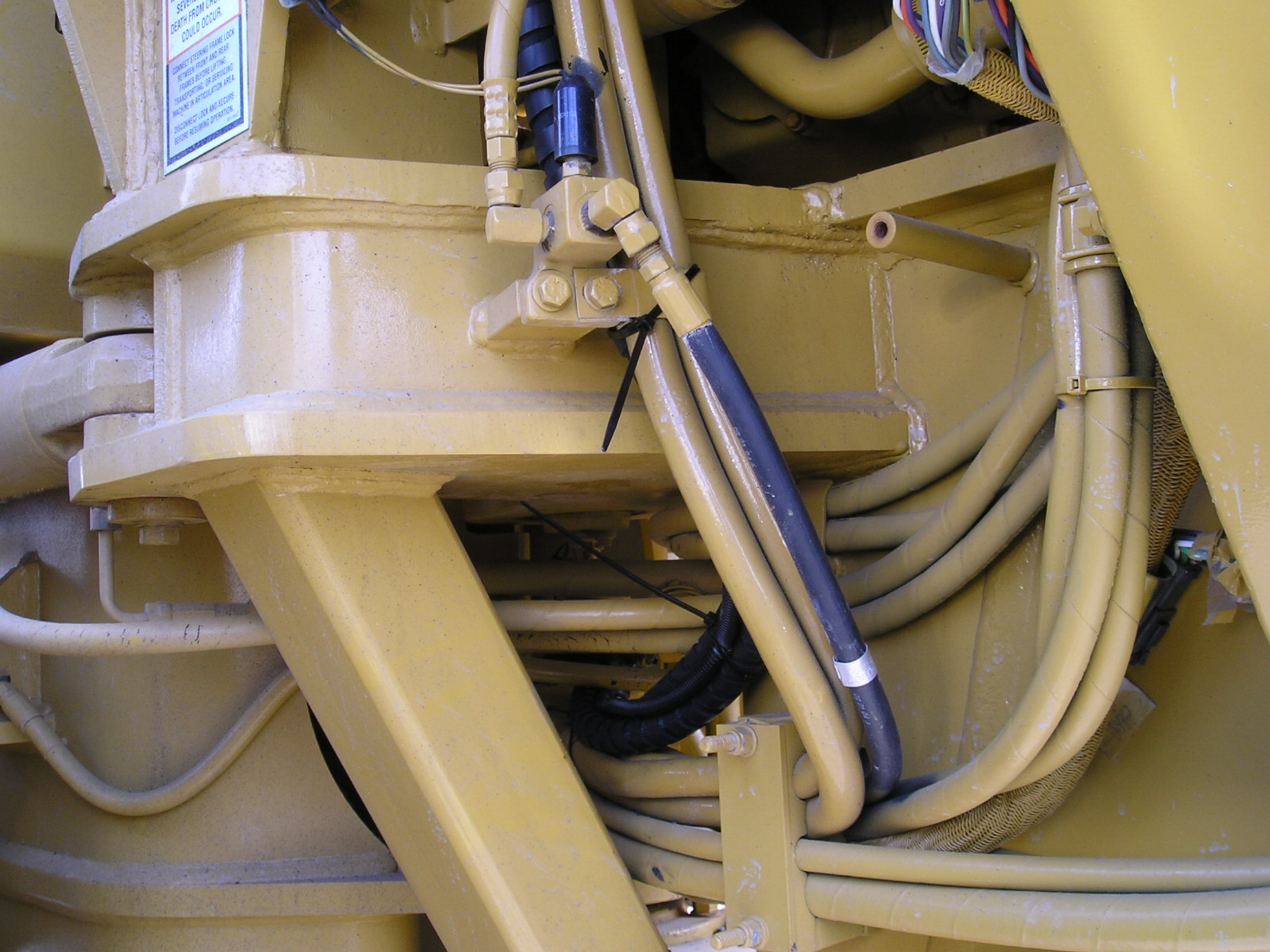
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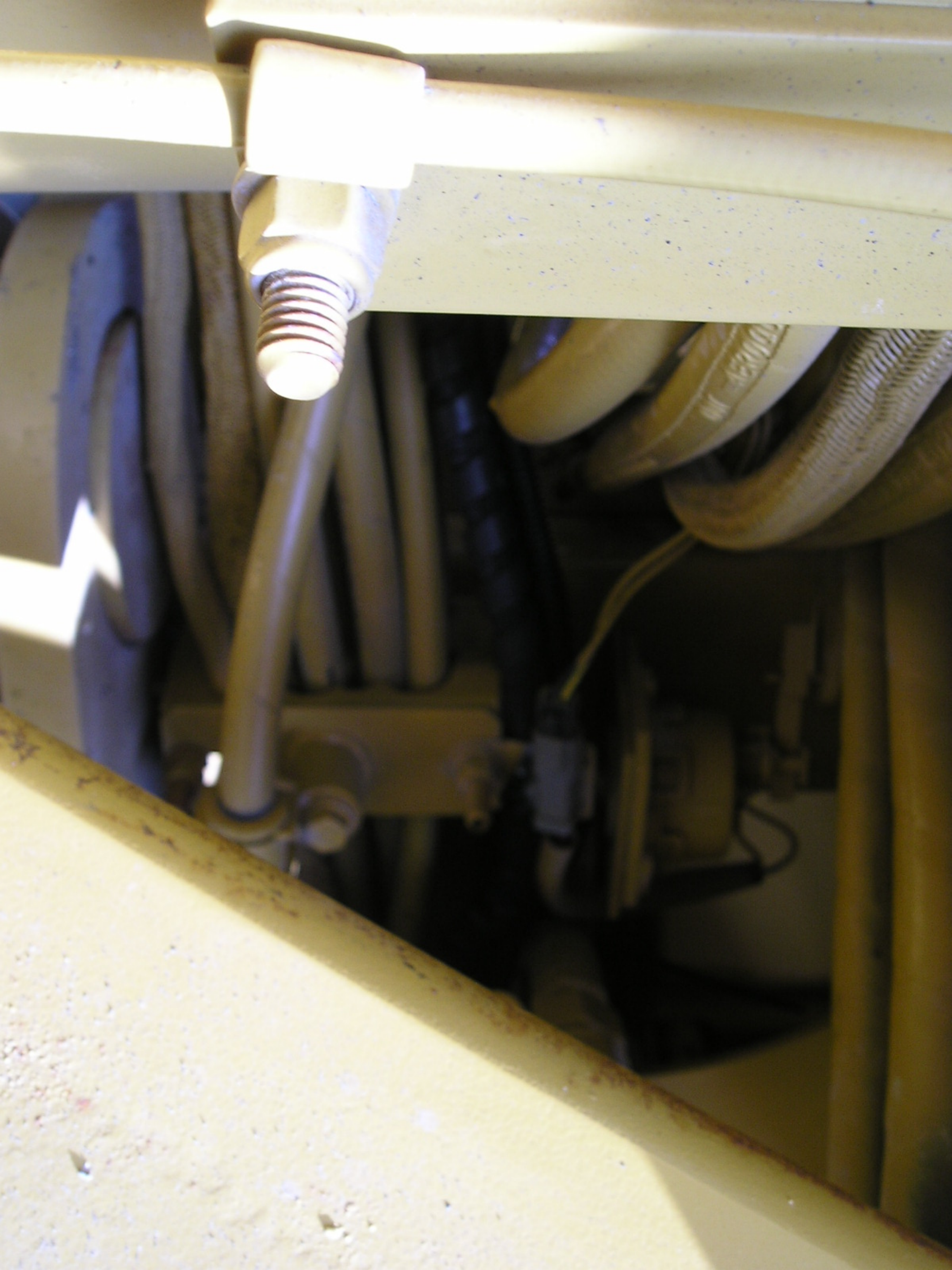
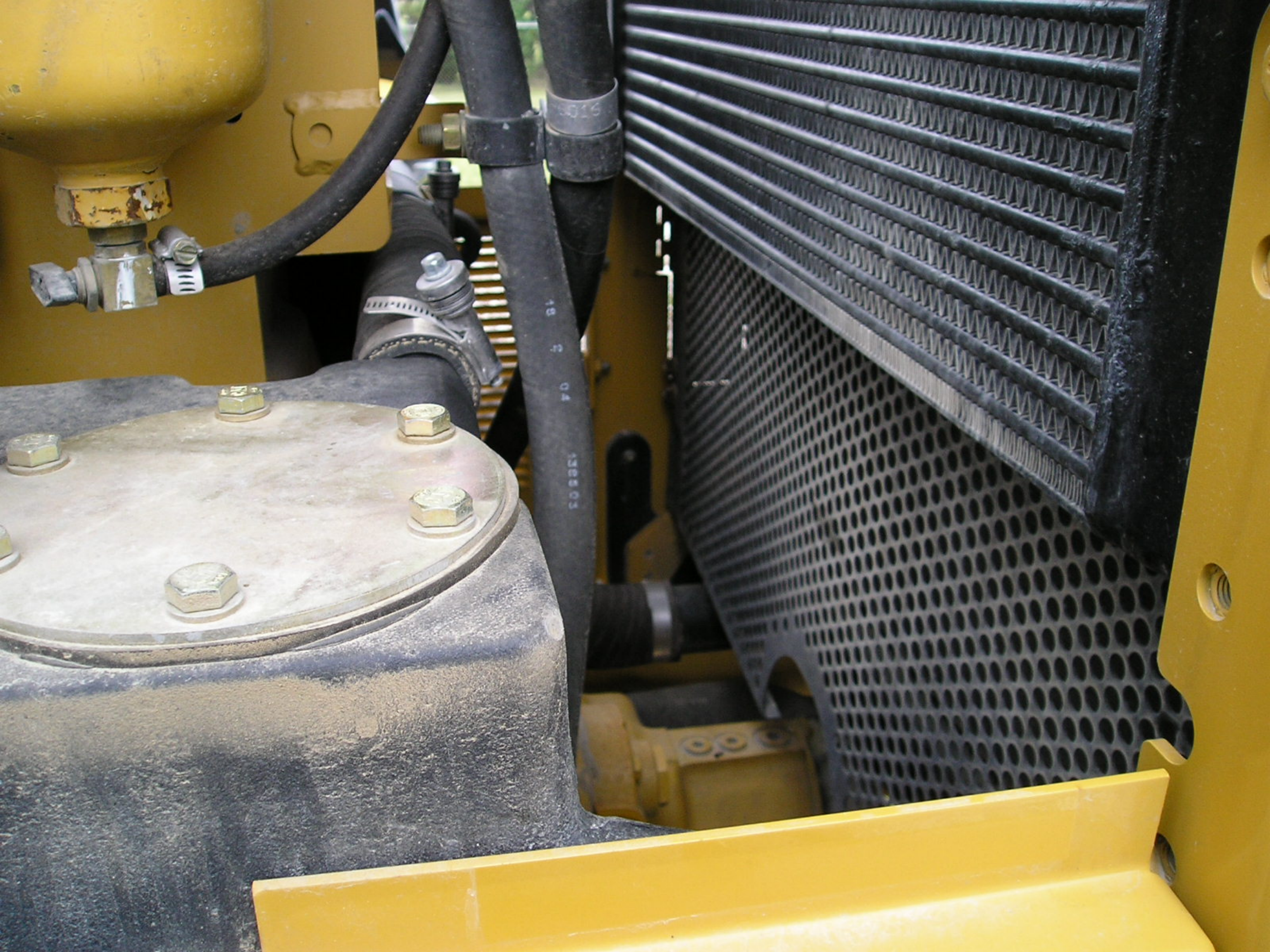
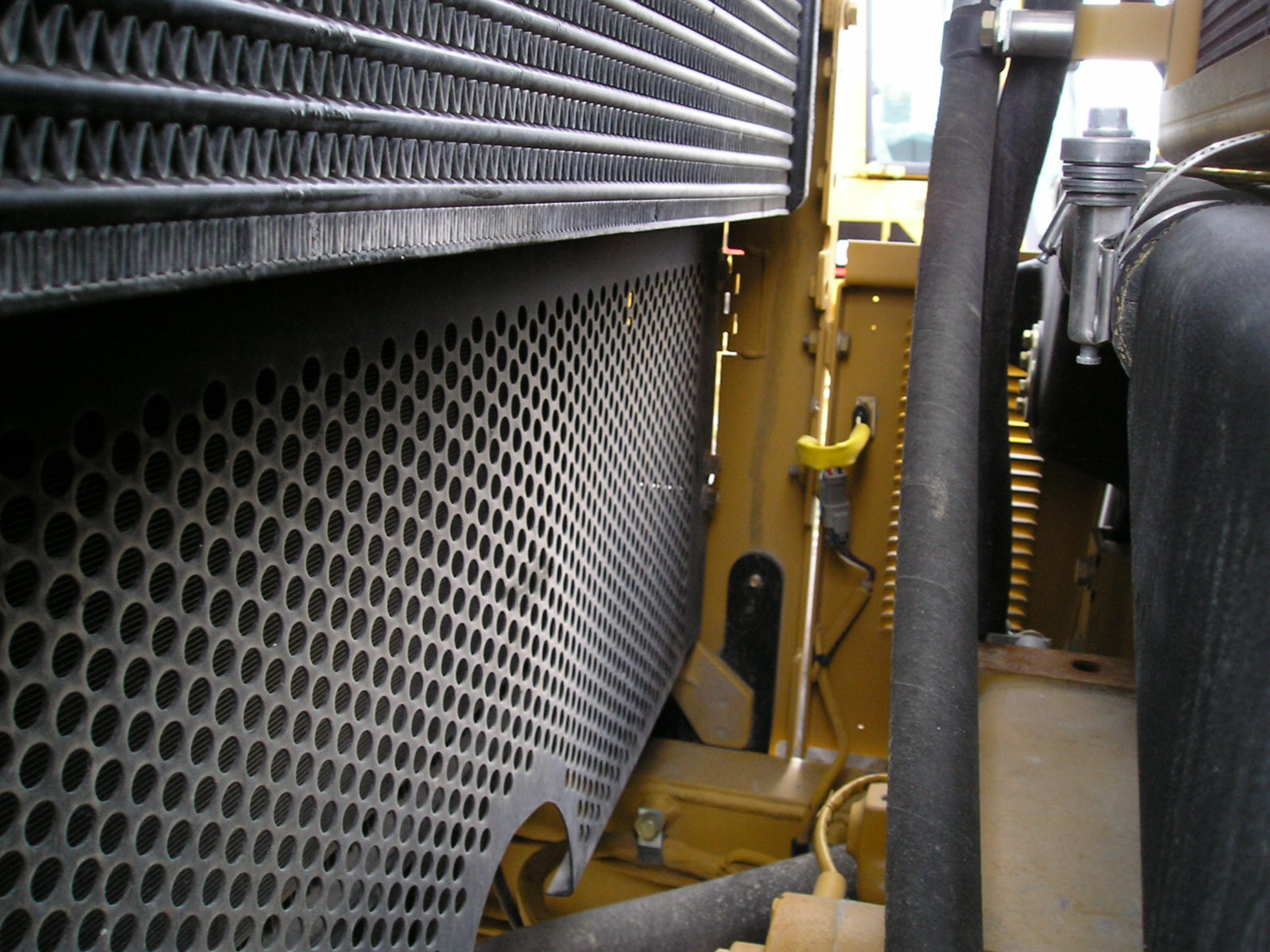


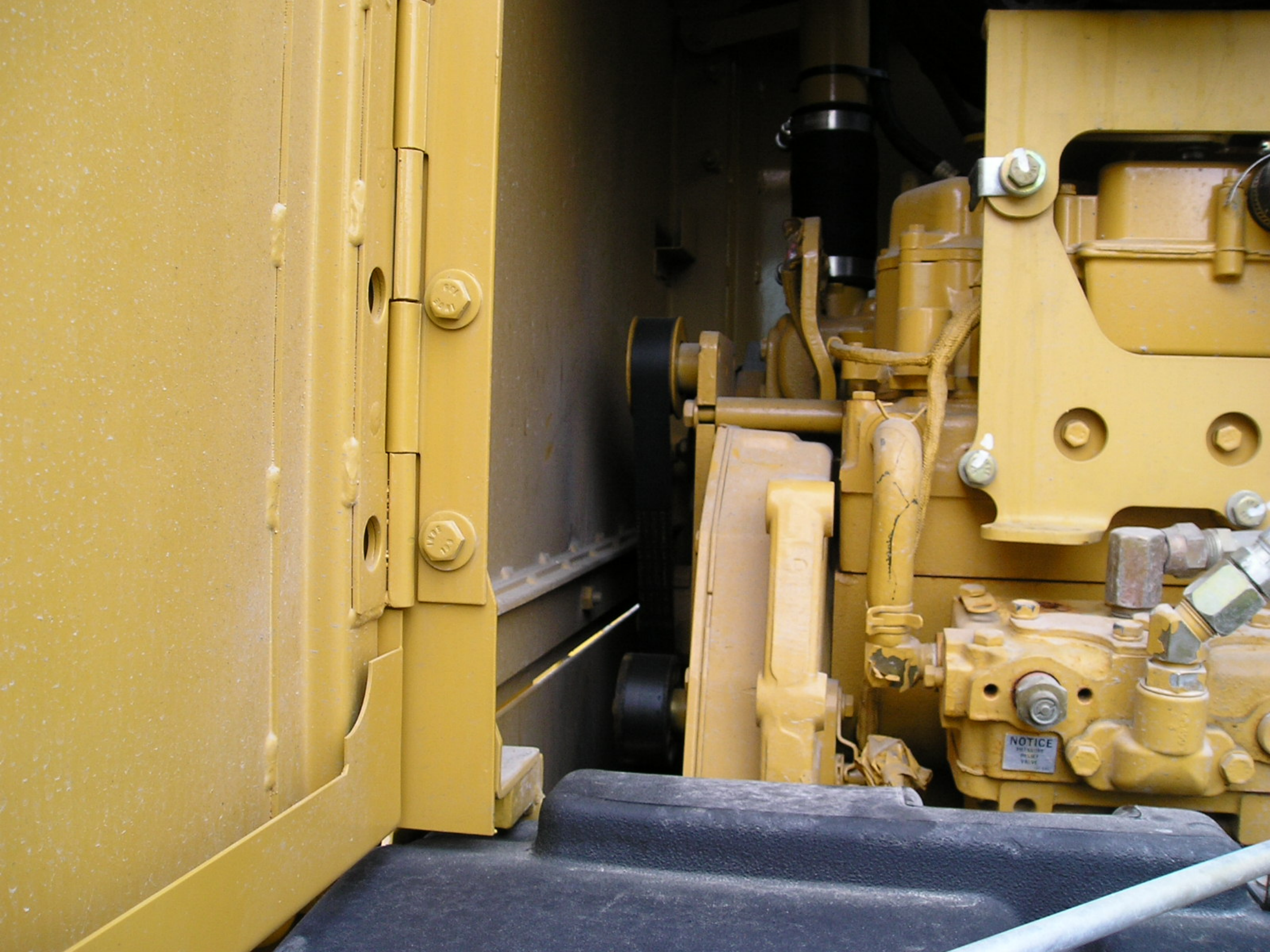

CAT
1R0716
CAT
CAT


140H
CAT
TOROMONT
VHP PLUS

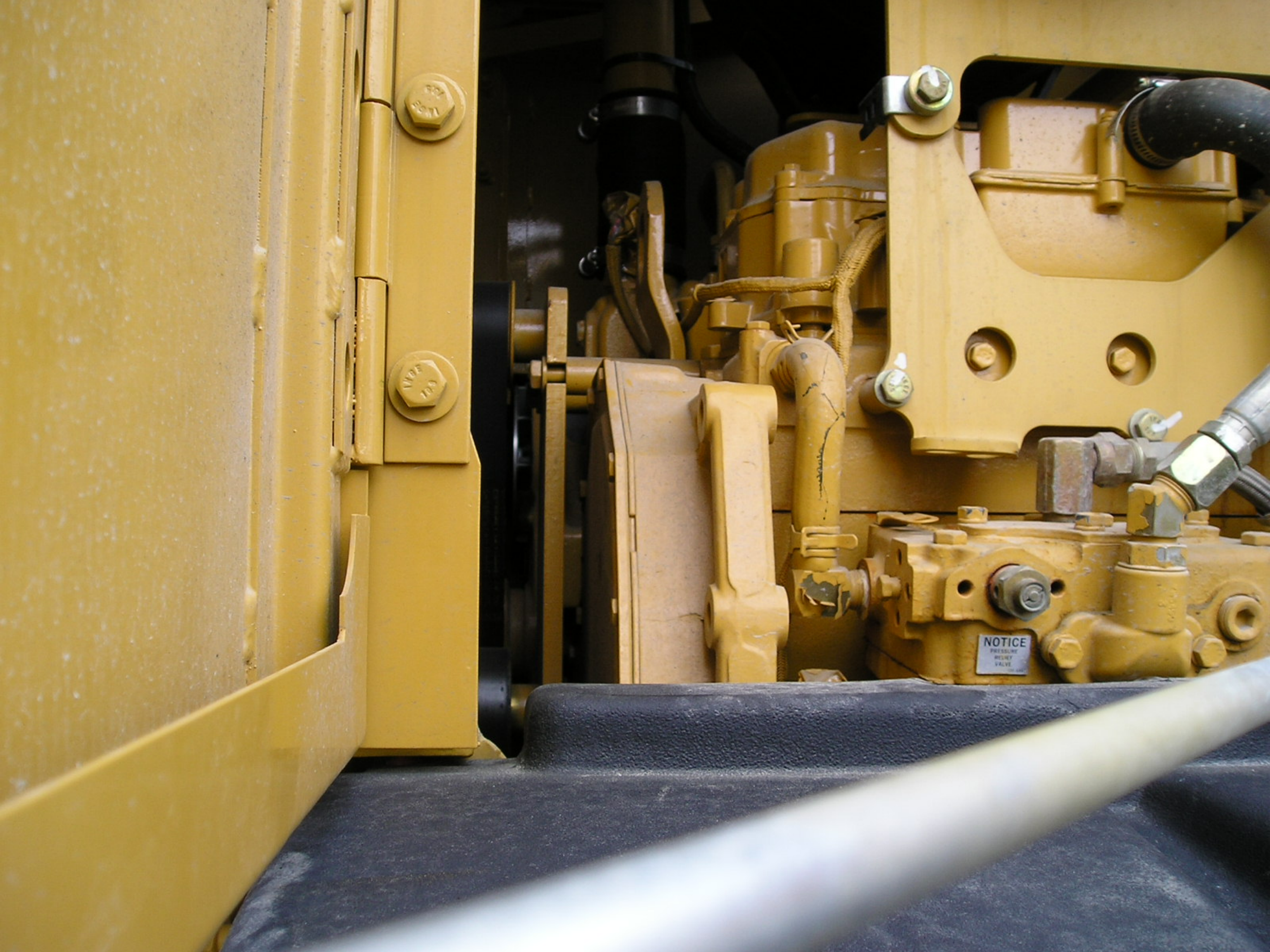

CATERPILLAR
CCA00935
CAT






NOTICE


NOTICE


NOTICE

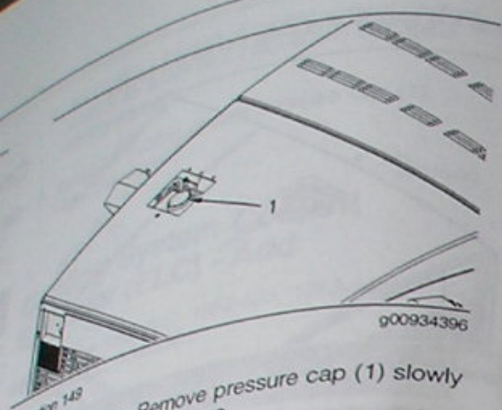


Illustration 149

1. Open the cover. Remove pressure cap (1) slowly in order to relieve pressure.

. Inspect the cap and the cap seal for damage, deposits, and foreign material. Clean the cap with a clean cloth. Replace the cap if the cap is damaged.

nstall the cap. Close the cover.

i00350379

ling System Water perature Regulator - ace

ode: 1355-070; 1355-510; 1393-010

⚠ WARNING

njury can result from hot coolant, steam

g temperature, engine coolant is hot pressure. The radiator and all lines r the engine contain hot coolant or ontact can cause severe burns.

cap slowly to relieve pressure only is stopped and radiator cap is cool ch with your bare hand.

to tighten hose connections when ot, the hose can come off causing

Conditioner contains alkali. Avoid and eyes.

ve the cooling system water temperature ...tor on a regular basis in order to reduce the ...ce of unscheduled downtime and of problems ...the cooling system.

...water temperature regulator should be replaced ...the cooling system has been cleaned. Replace ...water temperature regulator while the cooling ...tem is completely drained or while the cooling ...coolant is drained to a level that is below ...water temperature regulator housing assembly.

NOTICE

...ure to replace the engine's water temperature reg... on a regularly scheduled basis could cause se... engine damage.

...te: If you are only replacing the water temperature ...tor, drain the cooling system coolant to a ...el that is below the water temperature regulator ...using assembly.

Loosen the hose clamp and remove the hose from the water temperature regulator housing.

Remove the bolts from the water temperature regulator housing and remove the water temperature regulator housing.

Remove the gasket and remove the water temperature regulator from the water temperature regulator housing.

NOTICE

...ner water temperature regulators may be used, if ...meet test specifications and are not damaged or ...excessive buildup or deposits.

NOTICE

...se Caterpillar engines incorporate a shunt design ...ing system, it is mandatory to always operate the ...ine with a water temperature regulator.

...pending on load, failure to operate with a water tem... ...ature regulator could result in either an overheating ...an overcooling condition.

NOTICE

...e water temperature regulator is installed incor... ...ly, it will cause the engine to overheat.

...nstall a new water temperature regulator and ...a new gasket. Install the water temperature ...egulator housing.

...nstall the water temperature regulator housing ...nd the hose. Tighten the hose clamp.

6. Add the cooling system coolant. Maintain the coolant level within 13 mm (.5 inch) of the bottom of the filler tube.

Crankshaft Vibration Damper - Inspect

i01505528

SMCS Code: 1205-040

Damage to the vibration damper or failure of the vibration damper will increase torsional vibrations. These vibrations will result in damage to the crankshaft and to the other engine components. A deteriorating vibration damper will cause excessive gear train noise at variable points in the speed range.

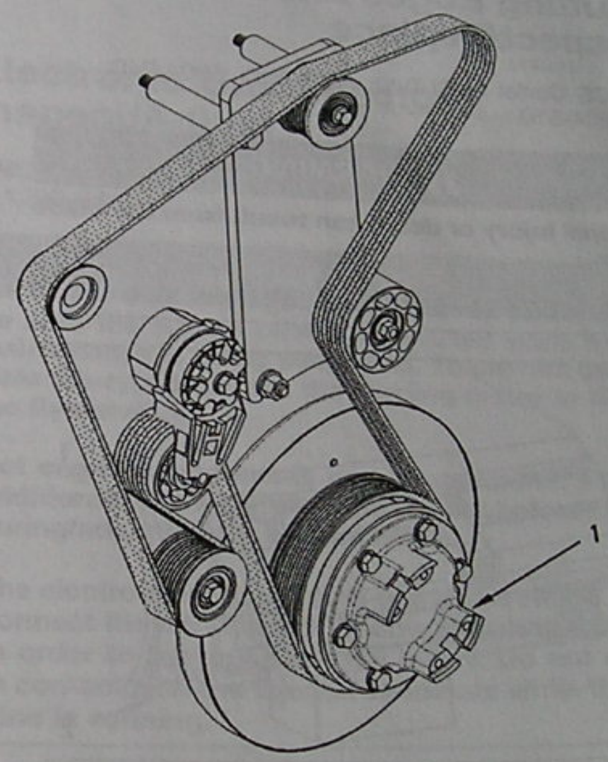


Illustration 150

Caterpillar recommends replacing vibration damper (1) for any of the following reasons:

- The engine has had a failure because of a broken crankshaft.

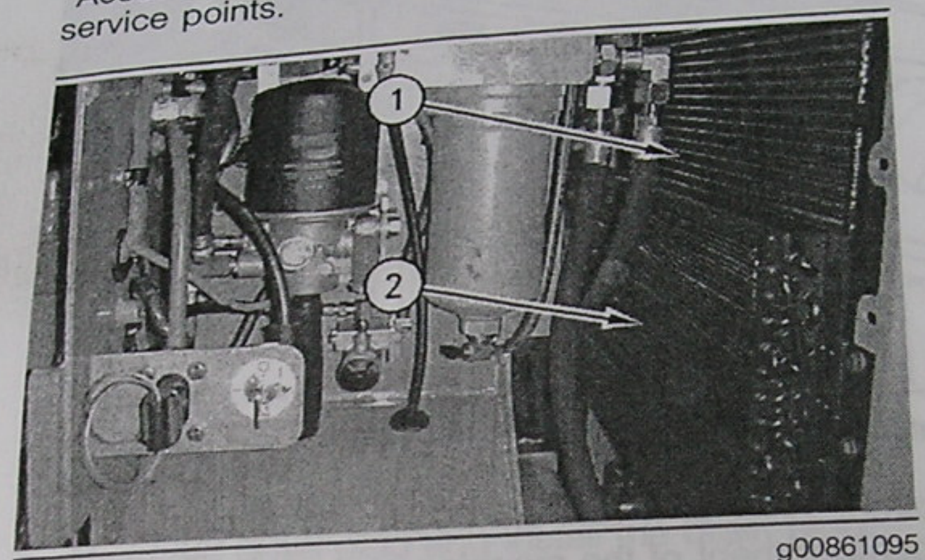
SMCS Code: 1805-070

NOTICE

If excessively dirty, clean condenser with a brush. To prevent damage or bending of the fins, do not use a stiff brush.

Repair the fins if found defective.

Refer to the Operation and Maintenance Manual, "Access Doors and Covers" for the location of the service points.



g00861095

Illustration 139

The refrigerant condenser (2) is located in front of the radiator (1) at the rear of the machine.

1. Open the access door at the rear of the machine on the left side of the machine.

2. Inspect the condenser for debris. If necessary, clean the condenser.

3. Use clean water in order to wash off all dust and dirt from the condenser.

4. Close the access door.

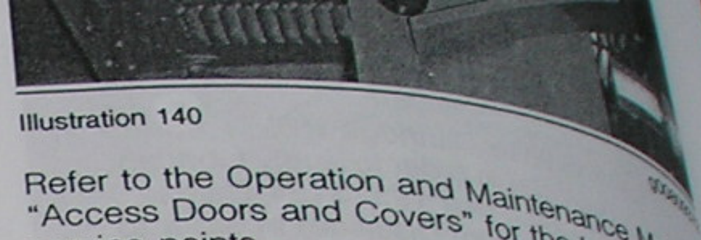


Illustration 140

Refer to the Operation and Maintenance Manual, "Access Doors and Covers" for the location of the service points.

Coolant samples should be obtained from the coolant sample port. You should not obtain the samples from any other location.

For additional information about sampling the coolant, see Special Publication, SEBU6250, "Caterpillar Machine Fluids Recommendations" or consult your Caterpillar dealer.