

Oil Cooler Installation

B8703306AR

HYDRAULIC PUMP

Removal

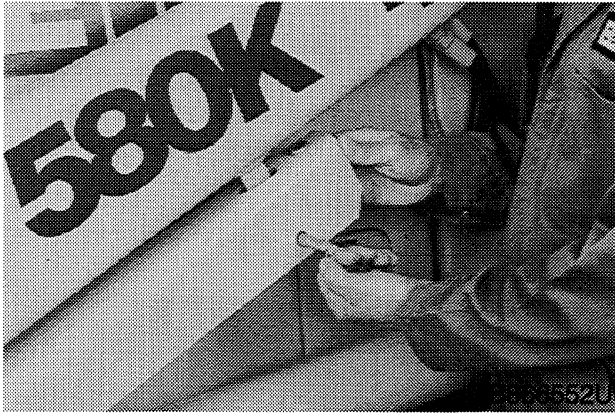
STEP 58

Park the machine on a level surface.

STEP 59

Apply the parking brake.

STEP 60

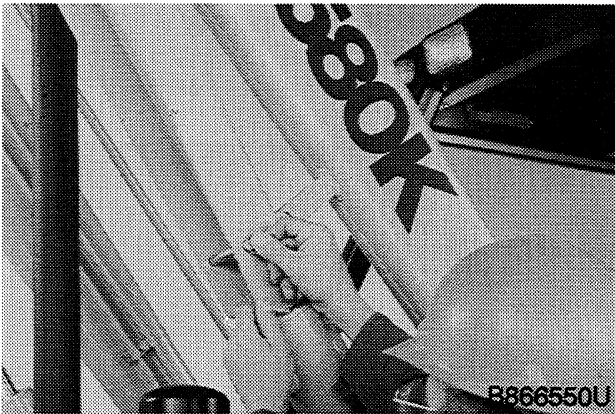


Remove the pin that holds the strut in place and lower the strut onto the lift cylinder.

STEP 61

Raise the loader frame until the strut is against the end of the lift cylinder.

STEP 62



Install the pin in the strut. Stop the engine.

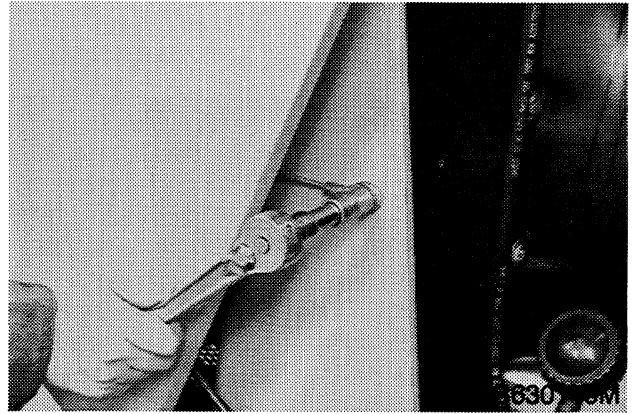
STEP 63

Raise the hood.

STEP 64

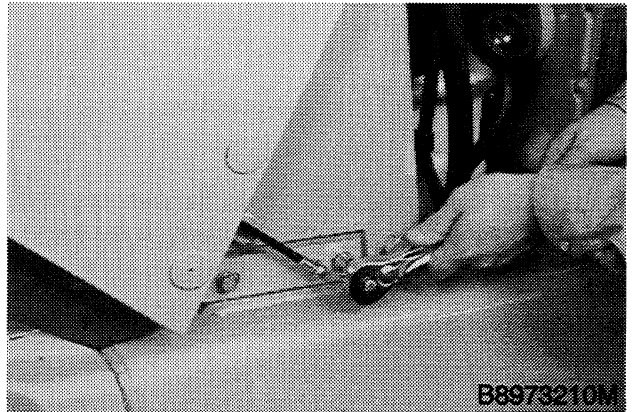
Have another person hold the hood in position.

STEP 65



Loosen and remove the bolts, spacers, flat washers, and nuts that fasten the hold down straps to the shroud.

STEP 66



Loosen and remove the bolts, flat washers, lock washers, and nuts that fasten the hood mounting bracket to the frame.

STEP 67

Have another person help you remove the hood.

STEP 68

If the machine is equipped with a bumper go to step 74.
If the machine is equipped with a counterweight do steps 69 through 73.

STEP 69



Loosen and remove the cap screws, flat washers, and lock washers that fasten the top cover to the bottom cover.

STEP 70

Remove the top cover from the machine.

STEP 71

Loosen and remove the cap screws, flat washers, and lock washers that fasten the bottom cover to the frame.

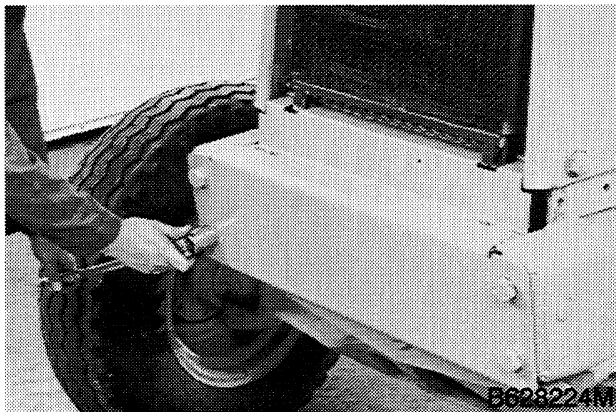
STEP 72

Remove the bottom cover from the machine.

STEP 73

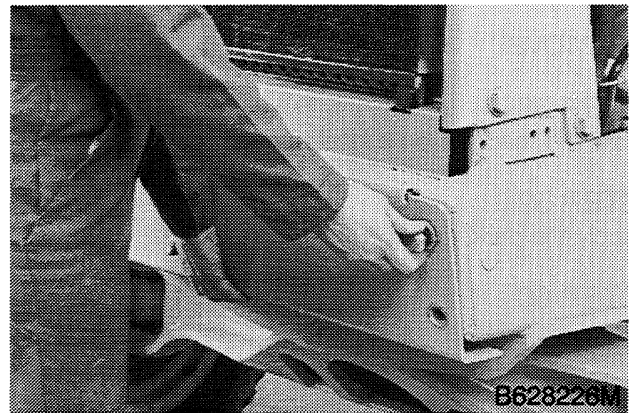
Go to step 79.

STEP 74



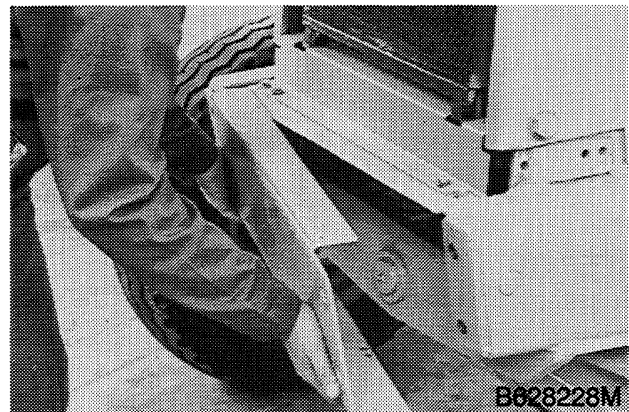
Loosen the cap screws that fasten the bumper to the frame. Do not remove the cap screws at this time.

STEP 75



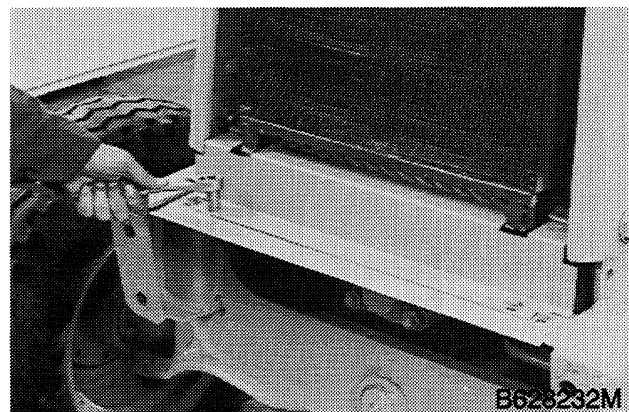
Hold the bumper in position and remove the cap screws and lock washers that fasten the bumper to the frame.

STEP 76



Remove the bumper from the frame.

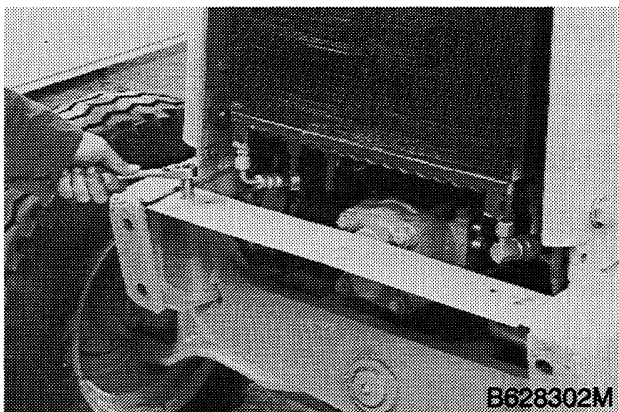
STEP 77



Loosen and remove the cap screws that fasten the top cover to the bottom cover.

STEP 78

Remove the top cover from the machine.

STEP 79

Loosen and remove the cap screws, lock washers, and flat washers that fasten the bottom cover to the frame.

STEP 80

Remove the bottom cover from the machine.

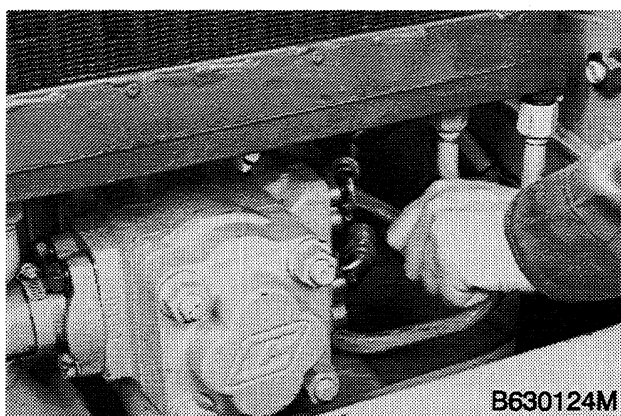
STEP 81

If the machine is equipped with a counterweight and an air conditioner, the counterweight must be removed before the hydraulic pump can be removed. See Section 9004 and remove the counterweight pump from the machine.

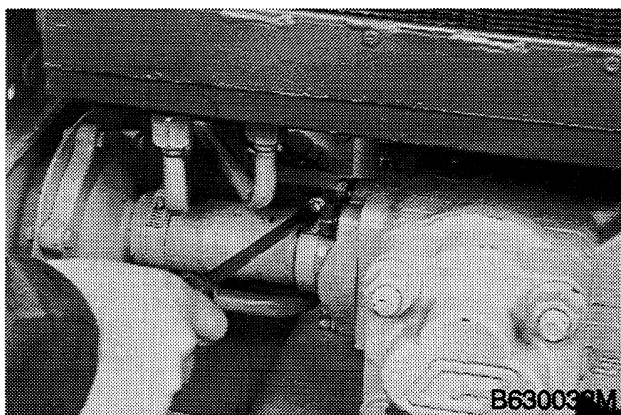
NOTE: The following photographs show a machine without an air conditioner and with a counterweight. Use a similar procedure to remove the hydraulic pump from all machines.

STEP 82

Drain the oil from the hydraulic reservoir.

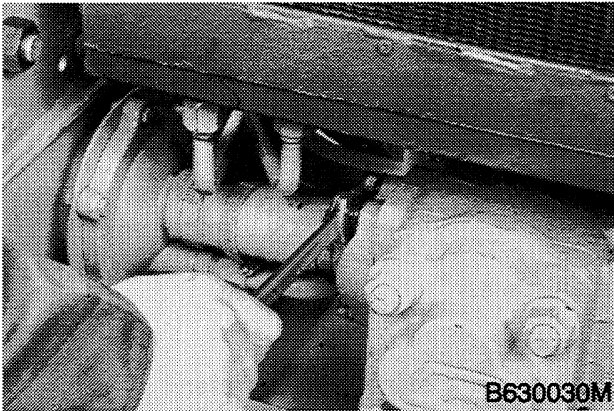
STEP 83

Loosen and remove the cap screws, lock washers, and flange mounting brackets that fasten the flange fittings on the outlet hoses to the hydraulic pump.

STEP 84

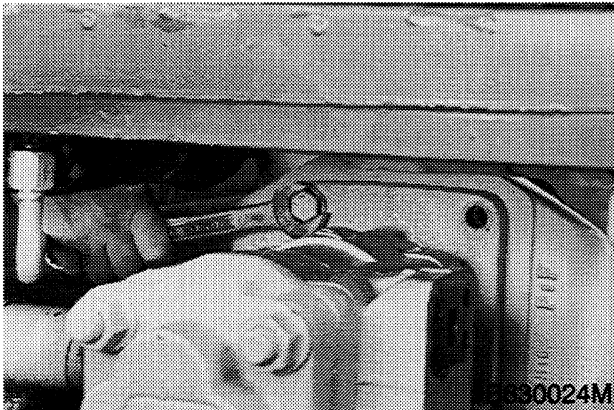
Loosen the clamp that fastens the inlet hose to the flange fitting on the hydraulic pump. Move the clamp out of the way.

STEP 85



Loosen and remove the cap screws, lock washers, and flange mounting brackets that fasten the flange fitting on the inlet hose to the hydraulic pump.

STEP 86



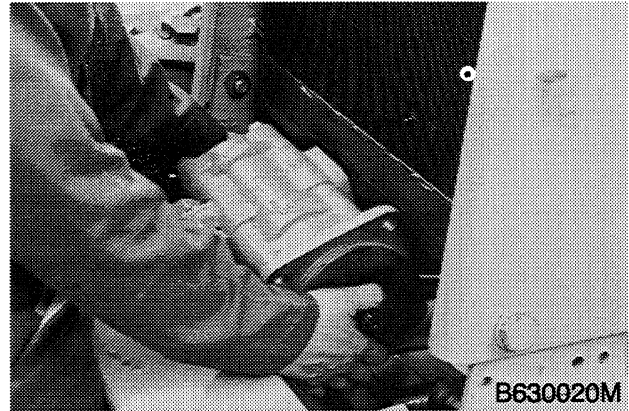
Loosen and remove the cap screws, flat washers, and lock washers that fasten the hydraulic pump to the engine mounting bracket.

STEP 87



Move the hydraulic pump toward the front of the machine.

STEP 88



Rotate the hydraulic pump as required and remove the hydraulic pump from the machine. Install plugs in the hydraulic lines.

NOTE: When the hydraulic pump is removed, it is recommended that you remove, clean, and install the suction screen.

Installation

STEP 89

Apply Molykote Type G to the splined shaft on the hydraulic pump.

STEP 90



Remove the plugs from the lines. Rotate the pump as required to put the pump in position on the machine. Be careful not to damage the O-ring on the flange fitting on the inlet hose.