



# INSTRUCTION BULLETIN

No. 340789  
Machine: 6400 D  
Published: 06-2005  
Rev. 00

**NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.**

*NOTE: Numbers in parenthesis ( ) are reference numbers for parts listed in Bill of Materials.*

Installation instructions for **kit number 9001608**

## **SYNOPSIS:**

This kit contains the parts needed to install the vacuum fan kit on 6400D machines.  
Please follow step-by-step instructions.

## **SPECIAL TOOLS / CONSIDERATIONS: NONE**

(Estimated time to complete: 1 hour)

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## **PREPARATION:**

1. Park the machine on a clean level surface.
2. Turn off the machine, remove the key, and set the parking brake.

**FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, set parking brake, and remove key.**

3. Disconnect the battery cables from the batteries.

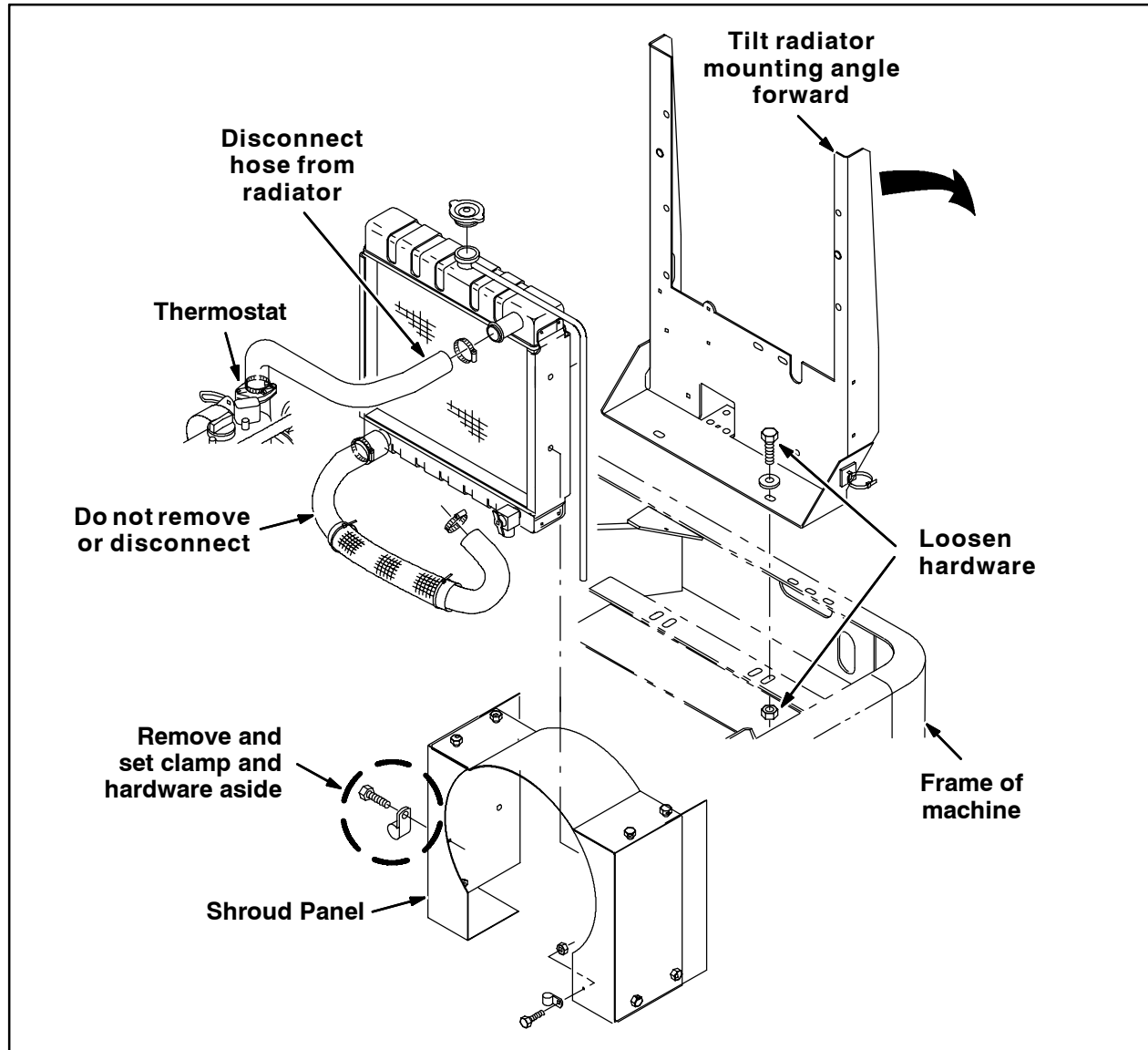


**WARNING: Always disconnect battery cables from machine before working on electrical components.**

4. Lift the rear shroud completely open.

## INSTALLATION:

1. Drain coolant from the radiator until the level in the radiator is below where the hose from the thermostat is connected to the radiator.
2. Disconnect the top hose (the hose from the thermostat) from the radiator. Set the hose clamp aside since it is later needed to reinstall the hose onto the radiator. Refer to Fig. 1.
3. Disconnect the cable clamp holding cable onto the shroud panel. Set the cable clamp and hardware aside since these items are needed to reinstall the cables when the machine is reassembled. Refer to Fig. 1.
4. Loosen the hardware holding the radiator mounting angle onto the frame of the machine. Refer to Fig. 1



**FIG. 1**

5. Remove the existing fan belt 360753 from the fan sheave and the fan drive sheave. Refer to Fig. 2.
6. Remove the fan drive sheave 360279 from the engine. Save hardware to install the new fan drive sheave (1). Discard old fan drive sheave. Refer to Fig. 2.
7. Remove the fan sheave 360406 from the vacuum fan assembly. Discard old fan sheave and set screw 39322. Refer to Fig. 2.
8. Use the hardware from the old fan drive sheave to install the new fan drive sheave (1) onto the engine. Refer to Fig. 2.

9. Slide the new fan sheave (2) onto the vacuum fan assembly impeller shaft and loosely thread the set screw (3) into fan sheave. Do not tighten the set screw. The set screw is tightened during adjustment. Refer to Fig. 2.
10. Hold a straight edge across both the fan sheave (2) and the fan drive sheave (1) to ensure they are level to one another. If necessary, adjust the position of the fan sheave so it is level with the fan drive sheave. Tighten the set screw (3) into the fan sheave. Refer to Fig. 2.
11. Install the fan belt (4) onto the fan drive sheave (1) and fan sheave (2). Tighten the fan belt to 31-34 lbs static tension. Refer to Fig. 2.
12. Position the radiator mounting angle back to the correct upright position and tighten the loosened hardware. Refer to Fig. 1.
13. Use the cable clamp and hardware to secure the wires to the shroud panel. Refer to Fig. 1.
14. Reconnect the top hose to the radiator. Refer to Fig. 1.
15. Reconnect the battery cables to the batteries.
16. Top off the radiator with coolant.
17. Start the engine and observe newly installed parts to ensure they were correctly installed. Also, observe for leaks where the top radiator hose is connected to the radiator.

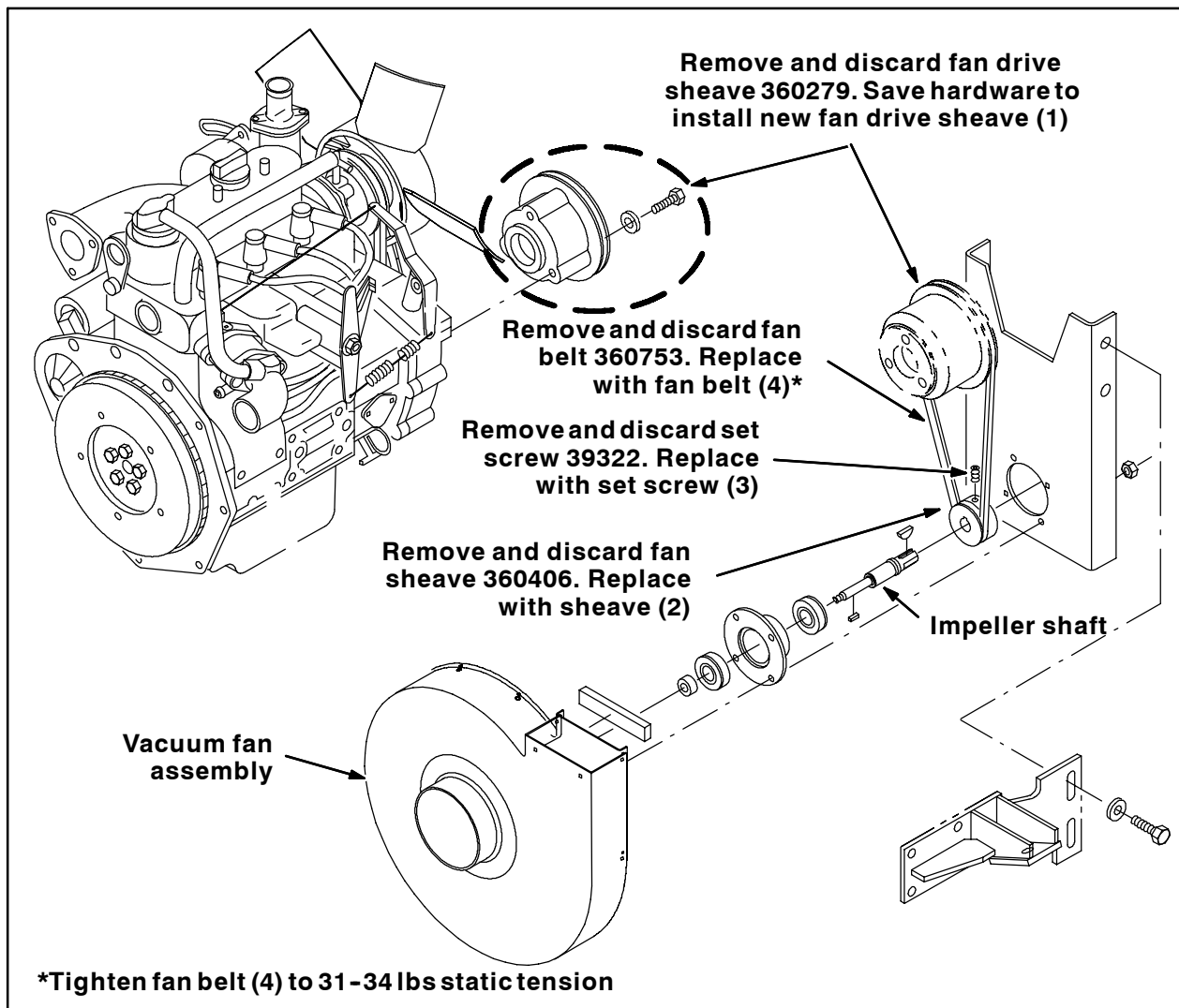


FIG. 2

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**Bill of Materials for Kit, CI, Drive, Vac Fan [6400 DSL]-9001608**

	<b>Ref.</b>	<b>Tennant Part No.</b>	<b>Description</b>	<b>Qty.</b>
▽		9001608	Kit, CI, Drive, Vac Fan [6400 G/LPG]	1
▲	1	1021380	Sheave, Fan Drive, Diesel, Mach	1
▲	2	360181	Sheave, [3V], 1GRV, 02.6PD 0.63B	1
▲	3	39338	Screw, Set, .31-18 X 0.50, Soc	1
▲	4	387153	Belt V, [3V] 35.5L [3VX]	1

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