

REPAIR PART INSTALLATION MANUAL

CONDENSATE PAN REPLACEMENT -

FOR USE WITH MODELS: ALL CONDENSING - 95+ AFUE - 33" GAS FURNACES

GENERAL INFORMATION

TABLE 1

REPAIR PART NUMBER	CONDENSATE PAN NUMBER	BTU (CAPACITY)	RESTRICTOR HOLE SIZE
S1-32815543001	541686	40,000	0.66 IN
S1-32816404001	701373	40,000 (Variable Speed-TM9V)	0.56 IN
S1-32815537001	541687	60,000	0.78 IN
S1-32815544001	541689	80,000	0.88 IN
S1-32815545001	541690	100,000	1.00 IN
S1-32815546001	541871	120,000 (Non-Modulating)	1.09 IN
S1-32815546002	541872	120,000 (Modulating)	1.13 IN
S1-32815852001	541874	130,000	1.13 IN

This instruction provides details to properly change out a condensate collection pan used on all 33 inch 95% + AFUE condensing gas furnaces. By properly following these instructions the condensate pan can be replaced in a safe, effective manner and future issues such as water leakage will be avoided.

The factory assembly method specifies 20 +/- 3 in-lbs of torque to install condensate pans to the sheet metal and the inducers to the condensate pans. However, for the replacement of condensate pans in the field where a torque gun is not readily available, we are providing the following guidelines. All cautions must be used and if any condensate pan screws are stripped, they must be replaced with the next larger size screws to ensure against leaks. These next larger screws must be field provided. If inducer mounting nutserts on the pan are stripped or missing, a new condensate pan must be used.

INSTALLATION

Replacing condensate pan in the field:

1. Turn the power off to the furnace. Remove any wiring, vent pipe connections, or other components that may restrict access to the inducer and condensate pan. Please note that these components must be reinstalled in the same location(s).
2. Familiarize yourself with the condensate plumbing inside the furnace, especially where the two condensate hoses attach to the pan. Remove hoses from pan.
3. Remove the four screws holding the inducer on the condensate pan and save for later use.
4. If you will not be using a torque wrench to install the replacement condensate pan, you should only utilize a hand tool for this installation.
5. Only tighten the screws until the gasket is compressed between the condensate pan and the furnace.
6. Make sure you do not tighten the screws to the point that you crack the condensate pan.
7. Remove all screws holding the condensate pan and save them for later use. Remove pan.
8. Check the part number on the new condensate pan. If the condensate pan part number is listed in Table 1 above, then you do not need a restrictor disc inside the inducer. The correct restrictor hole is in the pan itself. Remove restrictor from the inducer. Failure to do so will cause whistling inside the condensate pan.
9. If the new condensate pan part number is not listed in Table 1 above, then you would still need a restrictor disc inside the inducer. Do not remove the restrictor from the inducer.
10. Wipe off the outlet of the secondary heat exchanger, including the laminate plate around it, such that there is no oil residue remaining.
11. Install the new condensate pan and secure it to the vestibule panel following the procedure outlined in Figure 1 on back page. Also, follow the guidelines mentioned in step #4, step #5 and step #6. The condensate pan must be sealed tightly against the furnace. All stripped screws must be replaced with larger #10 screws (field provided).
12. Reinstall the two condensate hoses in the same locations on the new condensate pan.
13. Locate the inducer on the condensate pan and secure it on the pan, as noted in step #4, step #5 and step #6. The inducer must be sealed tightly against the condensate pan.
14. Reinstall all hoses removed earlier from inducer and pan.
15. Before cycling the furnace, make sure all wiring, vent connections, or other modifications to the furnace are reinstalled.

16. Once the change out is complete, allow the furnace to run long enough for the condensate trap to fill with water.

Ensure that the furnace is operating properly and that the replacement condensate pan is not leaking.

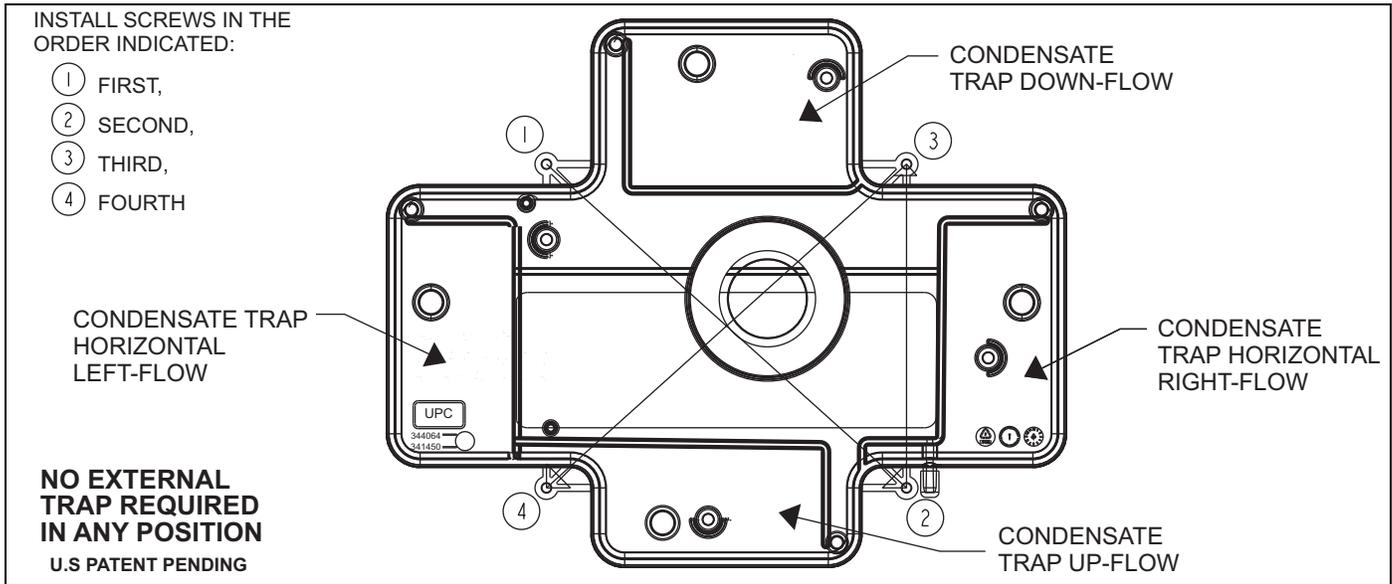


FIGURE 1