



SUBJECT

Installation of P30 Blower Motor Gaskets

I. Purpose

This document details the procedure for the proper installation of gaskets (UFS # 22876 and 19C142) between the P30 blower motor assembly and the rear of the fryer vat.

II. Location and Configuration of P30 Blower Motors and Gaskets

- A. On a P30-style fryer, the blower motor assemblies are to be bolted to the rear of each fryer vat. The blower motor assembly consists of the black blower motor itself and its attached stainless steel blower box (see Figure 1).
- B. Three gaskets are to be placed between the blower motor assembly and the fryer vat's rear wall:
 - a. A first gasket, made of white insulation material (UFS #22876; see Figure 2), will be placed against the vat wall.
 - b. A second gasket, made of stainless steel (UFS #19C142; see Figure 3), will be placed against the first gasket.
 - c. A third gasket, again made of white insulation material, will be placed against the second gasket (see Figure 4 for gasket configuration)
 - d. Once all three gaskets are in place, the blower motor assembly can be mounted to the vat wall.

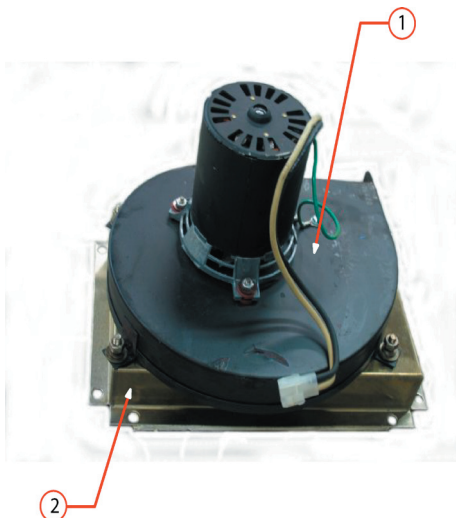


Figure 1: Blower Motor Assembly

1	Black Blower Motor
2	Stainless Steel Blower Box

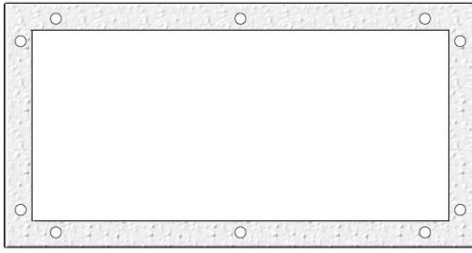


Figure 2: 16in x 8.3in white insulation gasket (UFS # 22876); two of these gaskets are used for this procedure

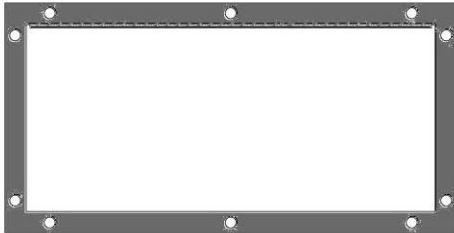


Figure 3: 15.75in x 8in stainless steel gasket (UFS # 19C142); note the flange projecting along the upper interior edge

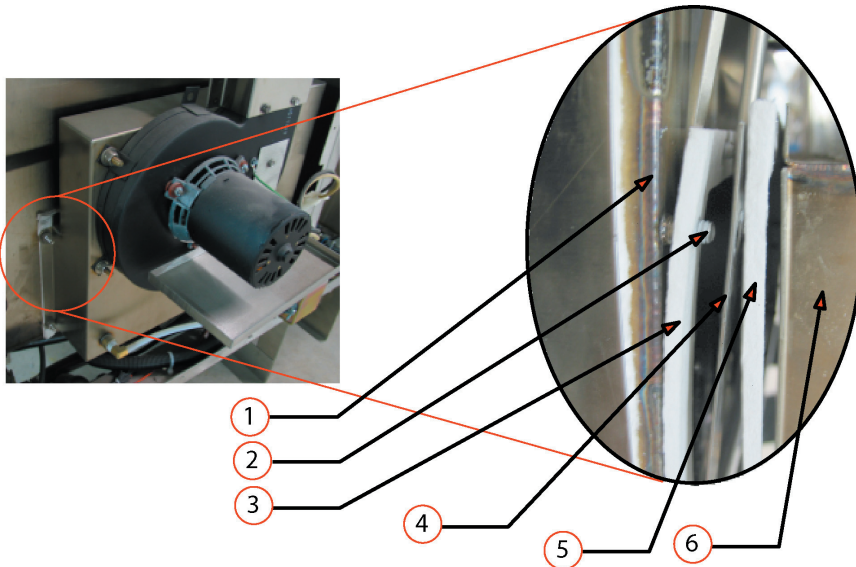


Figure 4: Gasket Configuration

1	Fryer vat's rear wall
2	1/4-20 stud (1/2in long), shown with washer/nut removed
3	First gasket (white insulation)
4	Second gasket (stainless steel)
5	Third gasket (white insulation)
6	Blower motor assembly

III. Procedure

- A. Inspect the rear of the fryer vat with the P30 blower motor assembly removed.
 1. Make sure that all surfaces are clean and dry.
 2. If there are any damaged studs, see the "Repairs" section below before proceeding.
- B. First Gasket (white insulation material)
 1. Apply a thin film of adhesive silicone to the surface of the gasket that is to be applied to the vat wall.
 2. Align the gasket (with the silicone side towards the vat wall) with the 1/4-20 studs on the vat wall.
 3. Press the gasket firmly against the vat wall so the silicone will adhere.
- C. Second Gasket (stainless steel)
 1. Apply a thin film of adhesive silicone to the side of the gasket that has the projecting flange. This is the surface that will be placed adjacent to the first gasket.
 2. With the flange positioned at the top of the gasket, align the steel gasket (with the silicone side towards the first gasket) with the first gasket and with the 1/4-20 studs on the vat wall.
NOTE: Be sure that the projecting flange is at the top of the gasket and is pointing towards the vat wall.
 3. Press the steel gasket firmly against the first gasket so the silicone will adhere.

D. Third Gasket (white insulation material)

1. Do not apply silicone to this gasket at this time.
2. Align the gasket with the first two gaskets and with the 1/4-20 studs on the vat wall.
3. Press the third gasket firmly against the first two gaskets so that the third gasket is hanging from the 1/4-20 studs.
4. Now apply a thin film of silicone to the surface of the gasket that is facing away from the vat. This will adhere to the Blower Motor Assembly.

E. Blower Motor Assembly

1. Align the Blower Motor Assembly with the 1/4-20 studs on the vat wall.
2. Press the Blower Motor Assembly firmly against the vat wall and mounted gaskets so that the silicone that had just been applied to the last gasket will adhere.
3. Secure washers/nuts to the 1/4-20 studs as usual to bolt the Blower Motor Assembly into place.

IV. Repairs: Perform the following procedure to repair any studs that may have been damaged.

- A. Grind the damaged stud until it is flush with the surface to which it is attached.
- B. Using an approved stud-welding gun, install a new stud at the site of the damaged stud.
NOTE: Follow all precautions and relevant operating procedures as detailed in the stud gun's instruction documents.



CAUTION: Use caution when welding studs to the back of the vat so as not to burn through or otherwise damage the vat wall, which may void the vat warranty.

VI. Recommended Hardware for Installation of P30 Blower Motor

- A. Loctite[®] Food Grade Anti-Seize thread sealant (UFS # 20A019) or any thread sealant approved by NSF up to 900°F.
- B. Zinc-Coated 1/4-20 Whiz Nuts (UFS # 27A068).