

REBUILDING A 1992-1996 J2000/1 EXHAUST BLOWER USING A 1997 VERSION BLOWER MOTOR

INSTALLATION INSTRUCTIONS

PARTS LIST

1. One Exhaust Blower Motor 1997 version
2. Three (3) #8-32 x 3/8" Phil. HD. Machined Screws
3. Three (3) #8-32 x 1" Phil. HD. Machined Screws
4. Six #8-32 Kep Nuts (Star Nuts)

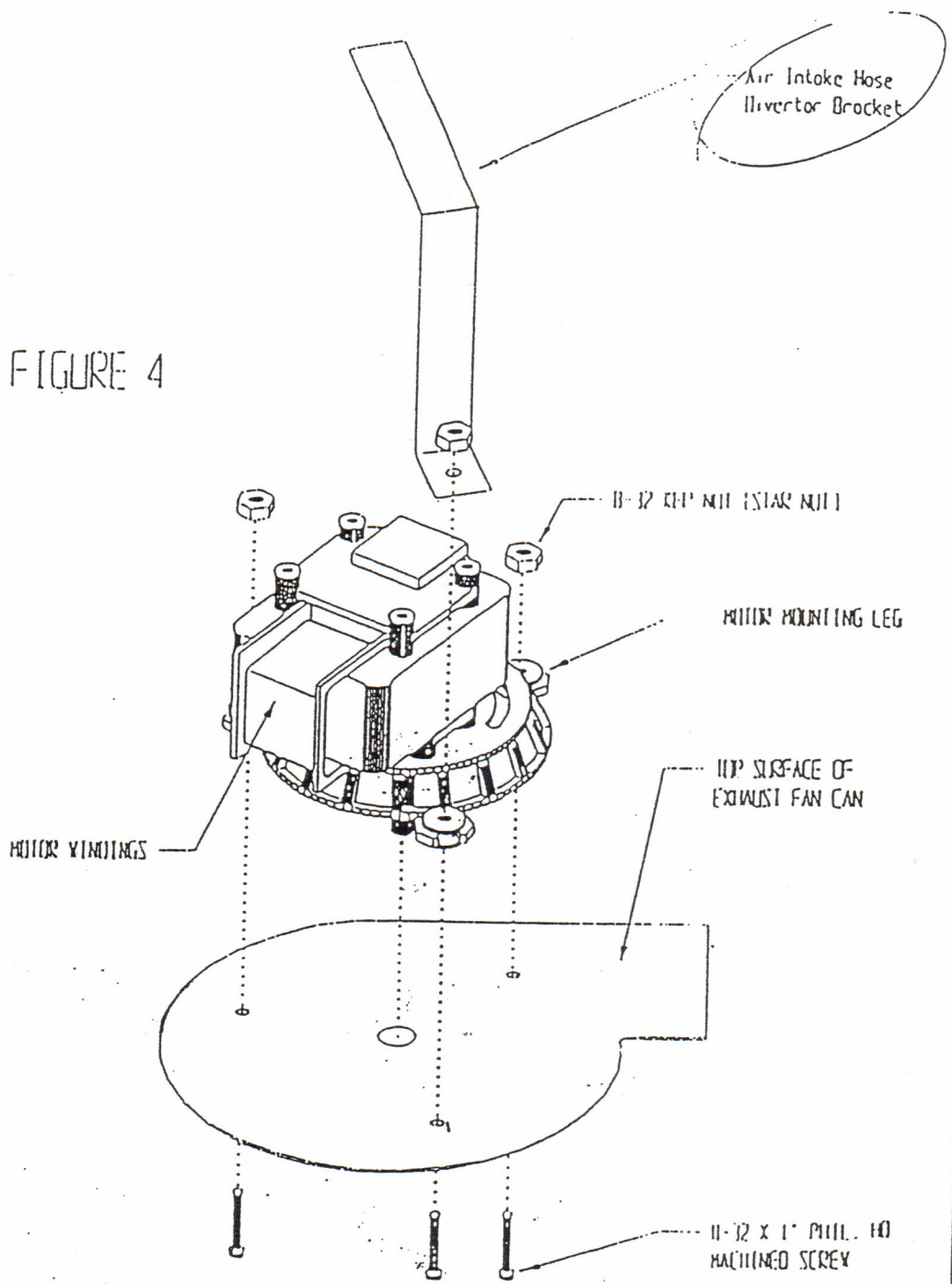
TOOLS REQUIRED

1. Electric Drill
2. 7/16" Open End Wrench
3. Phillips Screw Driver
4. 1/8" Hex Key
5. 3/16" Metal Drill Bit
6. Sharpened Pencil

1. Having removed the exhaust blower from the stove, vacuum or blow away any soot deposits from the blower impeller and the inside surfaces of the fan housing [9].
 2. See Figure 1. Start by loosening the hex set screw that holds the blower impeller [11] onto the motor shaft. Slide the impeller off the motor shaft and remove from the fan housing.
 3. Use a Phillips screw driver to loosen all three (3) Phillips head screws [2] that secure the combustion motor plate [5] to the fan housing. Remove these three Phillips head screws and the kep nuts [7] that are inside the fan housing.
 4. Lift the exhaust blower motor [1] vertically upward and free it from the fan housing.
 5. Remove the cerablanket [8] and the 3/8" standoffs [6] which are embedded in the cerablanket.
 6. Clean the fan housing and paint its interior and exterior, as desired, using high temperature stove paint.
 7. See Figure 2. Locate the three 3/16" holes on the can top. Seal all three holes by securing one #8-32 x 3/8" phillips head screw and one #8-32 kep nut in each hole as shown in Figure 2.
 8. See Figure 3. Lay the fan housing on a flat surface with the 3" exhaust pipe (attached to the fan housing) protruding off the edge of the flat surface. Insert the 3/8" keyed motor shaft (part of the 1997 version exhaust blower motor) through the 1/2" hole at the center of the fan housing.
 9. Rotate the entire motor so that it is oriented approximately as shown in Figure 3.
 10. Center the 3/8" keyed motor shaft in the 1/2" hole in the fan housing.
 11. Mark the centers of the new motor mounting holes that you will need to drill using a sharpened pencil. See Figure 3 for these hole locations.
 12. Remove the motor from the fan housing top and drill one 3/16" hole at each marked location.
 13. Place new exhaust blower motor on top of fan housing as before and align the holes you drilled with the mounting holes in the motor mounting bracket.
 14. See Figure 4. From the inside of the fan housing, slide one #8-32 x 1" Phillips Head Screw through each hole you drilled and through each matching hole in the motor mounting bracket.
 15. Hand thread one #8-32 kep nut to the end of each screw, 4 or 5 turns only. **DO NOT TIGHTEN THE NUTS AT THIS TIME.**
 16. Grab hold of the motor sides and lift (vertically) the loose motor and fan housing assembly.
 17. Slide the impeller over the end of the 3/8" motor shaft until approximately 1/2" of the motor shaft shows through the impeller center. Orient the impeller set screw to the flat part on the motor shaft and tighten.
 18. Lay the motor and fan housing down and hand tighten the three loose kep nuts.
 19. Use a Phillips head screw driver to hold each Phillips head screw (1" screw) from inside the fan housing the tighten the matching kep nuts using a 7/16" open end wrench.
- The exhaust blower is now rebuilt. Test the blower by connecting it to a 110 volt AC power source*

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FIGURE 4



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FIGURE 2
SEALING EXISTING HOLES

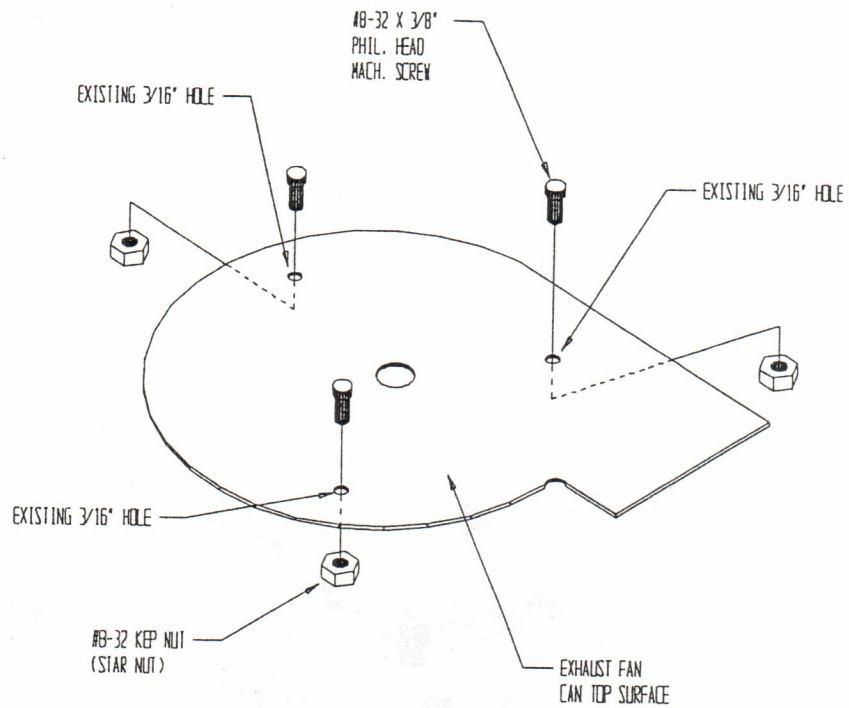


FIGURE 3

