

Accessory Side Filter Rack

58GA900011

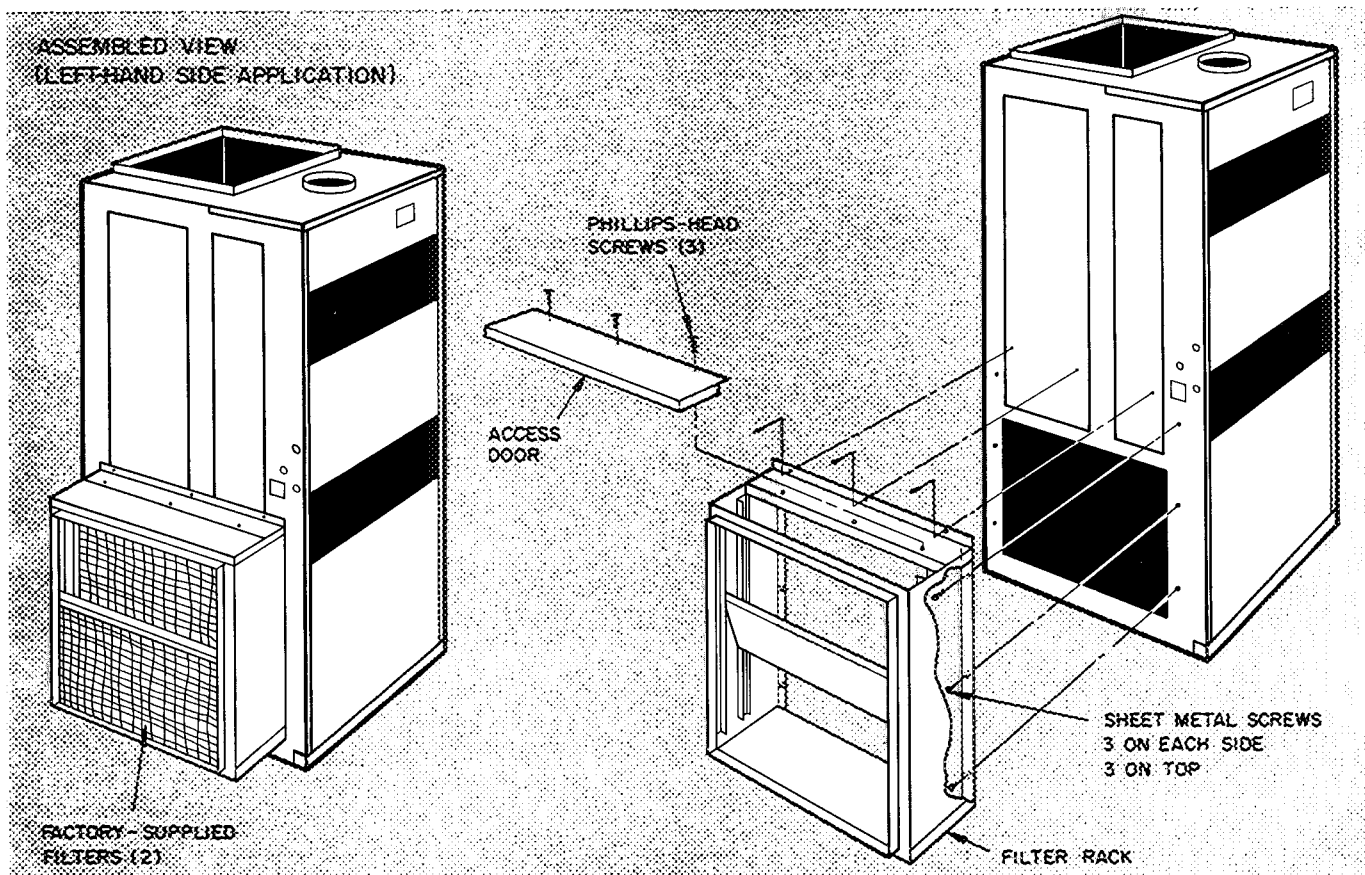


Fig. 1 — Filter Rack, Expanded View

INTRODUCTION

The 58GA900011 Side Filter Rack can be used with the 58ES, SE or G Series upflow gas-fired furnaces to provide high-capacity filtration up to 1800 cfm. The accessory is shipped from the factory assembled and includes 2 expanded aluminum filters.

It can be easily installed on either side of the furnace to provide a return air duct connection of 24-1/8-in. high x 22-7/8-in. wide. Each filter included is 16 in. x 25 in. x 1 in.

Parts necessary for field installation are included in the package. When unpacking filter rack, should any in-transit damage be observed, file

claim with transportation agency. To check that package contents are complete, compare package contents against Table 1 and Fig. 1.

Table 1 — Package Contents

QUANTITY	ITEM
1	Filter Rack with Removable Access Door
2	Expanded Aluminum Filter (16 in. x 25 in. x 1 in.)
1	Fastener Package consisting of sheet metal screws
1	Installation Instructions

INSTALLATION

1. Determine where accessory side filter rack will be installed on furnace (left- or right-hand side). Punch out knockouts on side of furnace and field cut return air opening in furnace per dimensions indicated in Fig. 2.
2. Using a Phillips-type screwdriver, remove the filter rack access door. Retain securing screws. Remove the 2 filters from the rack thru the access opening.
3. Position filter rack against furnace side opening so that bottom surface of filter rack is flush with the bottom edge of the furnace return air opening. Insert blocks (or equivalent) under rack to keep it elevated in position.
4. Using holes in top flange of filter rack as pilots to mark position of corresponding holes on furnace casing, drill with a no. 31 drill thru furnace casing. Secure top flange of filter rack to furnace using 3 sheet metal screws provided.
5. Insert the inner vertical flanges of filter rack thru filter rack return air opening. Drill 3 holes thru each vertical flange and thru furnace casing. Secure sides of filter rack to furnace using 6 sheet metal screws provided.
6. Seal bottom of filter rack to furnace side panel with duct tape.
7. Replace filters in filter rack, attach access door, and remove positioning blocks inserted in step 3.
8. Connect return air ductwork to filter rack return air opening flanges.

→ **CAUTION:** Air delivery above 1800 cfm or systems with a total static pressure drop above 0.5 in. wg require that both sides, or a combination of one side and the bottom, or the bottom only of the furnace be used for return air. When both sides of the furnace are used for return air, an extra filter and retainer spring may be required.

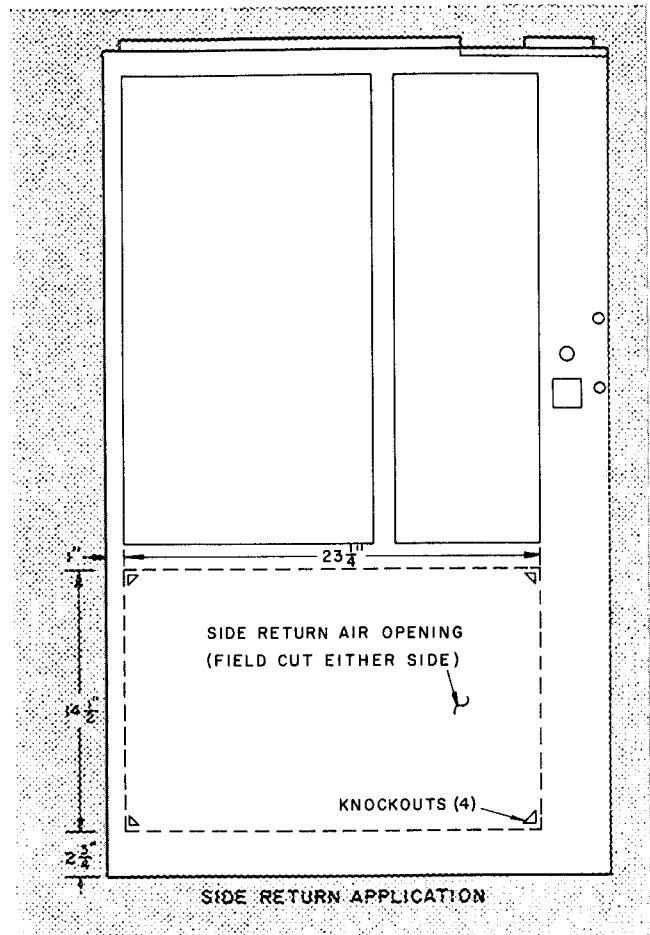


Fig. 2 — Locating Side Return Air Opening