



INSTALLATION INSTRUCTIONS

STANDARD GUARD, GALVANIZED MESH/BIRDSCREEN /FLAT GUARD, - OSHA STYLE/ HINGED MOTOR SIDE GUARD, - OSHA STYLE/AIRFOIL INDUSTRIAL SUPPLY GRILLE

FORM 1503

Fan Models: LW/LM

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INTRODUCTION

This manual describes the installation of Carnes standard protective Screens and optional Guards and Grilles. Your specific application may not have required all of them, simply pick the applicable procedures.

CAUTION!

Assembly of these accessories can be hazardous. Any cut sheet metal or wire accessory can have very sharp edges or burrs. Protective gloves must be worn when handling these panels and the assembled accessories.

INSTALLATION

Standard Guard - Galvanized Mesh Birdscreen (Fan Sizes 20", 24" & 30")

Can be installed on Rainhood, Wallbox and Damper Guard.

Refer to Fig. 1

1. Straighten out the mesh Screen as much as possible.
2. Locate the (4) prepunched Steel Strips and the Sheet Metal Screws shipped with them.
3. Center the Screen over the target Accessory. Fasten one edge using a Steel Strip and Sheet Metal Screws.
4. Work towards the other side using the same procedure. Keep the Screen flat and as tight as possible.
5. This completes installation of the standard Birdscreen Guard.

Standard Guard - Galvanized Mesh Birdscreen (Fan Sizes 36", 42" & 48")

Can be installed on Rainhood, Wallbox and Damper Guard.

Refer to Fig. 2

1. Straighten out the (2) mesh Screens as much as possible.
2. Locate the Center Divider, the (5) prepunched Steel Strips (one is shorter, use it over the Center Divider) and the Sheet Metal Screws shipped with them.
3. Place the Center Divider into position. Pop-rivet through the prepunched holes.
4. Place a Screen section on one side of the target Accessory. Fasten the long edge using a Steel Strip and Sheet Metal Screws.
5. Install the top and bottom Steel Strips but leave them loose enough to slip the second Screen under them.
6. Place the remaining Screen section on the other side of the target Accessory. Push the edges under the existing Steel Strips. Fasten the long edge using the remaining Steel Strip.
7. The Screens will overlap over the Center Divider, fasten them in place with the short Steel Strip.
8. Keep the Screen flat and as tight as possible and tighten all mounting screws.
9. This completes installation of the standard Birdscreen Guard.

INSTALLATION

Flat Guard - OSHA Style (Fan Sizes 20", 24" & 30")

Can be installed on Rainhood, Wallbox and Damper Guard.

Refer to Fig. 3

1. Center the Guard over the Accessory opening. Line the Guard up with the prepunched holes.
2. Attach the Guard using the supplied Sheet Metal Screws.
3. This completes installation of the Motor Side Guard.

Flat Guard - OSHA Style (Fan Sizes 36", 42" & 48")

Can be installed on Rainhood, Wallbox and Damper Guard.

Refer to Fig. 4

1. Locate the Center Divider vertically across the Accessory opening. Pop-rivet in place.
2. Center the Guard sections over the Accessory Opening. Line the sections up with the prepunched holes.
3. Attach the Guard using the supplied Sheet Metal Screws.
4. This completes installation of the Motor Side Guard.

INSTALLATION

Hinged Motor Side Guard - OSHA Style (Fan Sizes 20", 24" & 30")

Wallbox installation only.

Refer to Fig.5

1. Center the Guard over the Accessory opening.
2. Fold the Hinge down along the side of the Accessory.
3. Check the Latch catches, be sure they drop down over the opposite side.
4. Drive the supplied Self-Drilling Screws through the prepunched holes in the Hinge.
5. Screw the Latches to the side of the Accessory. Adjust them to hold firmly.
6. This completes installation of the Hinged Motor Side Guard.

Hinged Motor Side Guard - OSHA Style (Fan Sizes 36", 42" & 48")

Wallbox installation only.

Refer to Fig. 6

1. Locate the Center Divider vertically across the Accessory opening. Pop-rivet in place.
2. Center both the guard sections over the Accessory opening.
3. Fold the Hinges down along the sides of the Accessory.
4. The Guard panel with the Latch Catches will close over the top of the other Panel to hold it closed.
5. Drive the supplied Self-Drilling Screws through the prepunched holes in the Hinges.
6. Screw the Latches to the top and bottom of the Accessory. Adjust them to hold firmly.
7. This completes installation of the the Hinged Motor Side Guard.

INSTALLATION

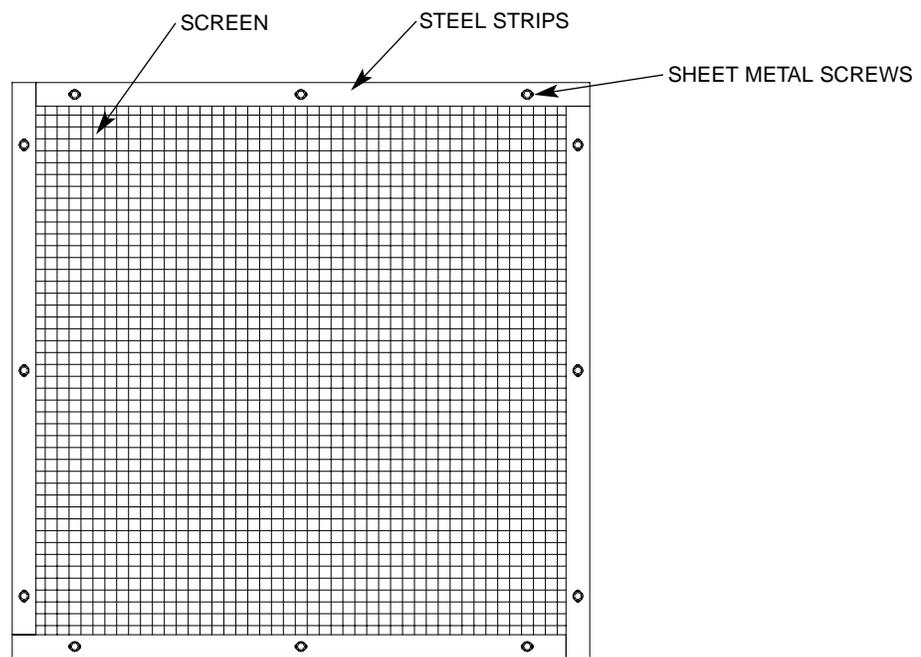
Airfoil Industrial Supply Grille (All Sizes)

Wallbox installation only.

Refer to Fig.7

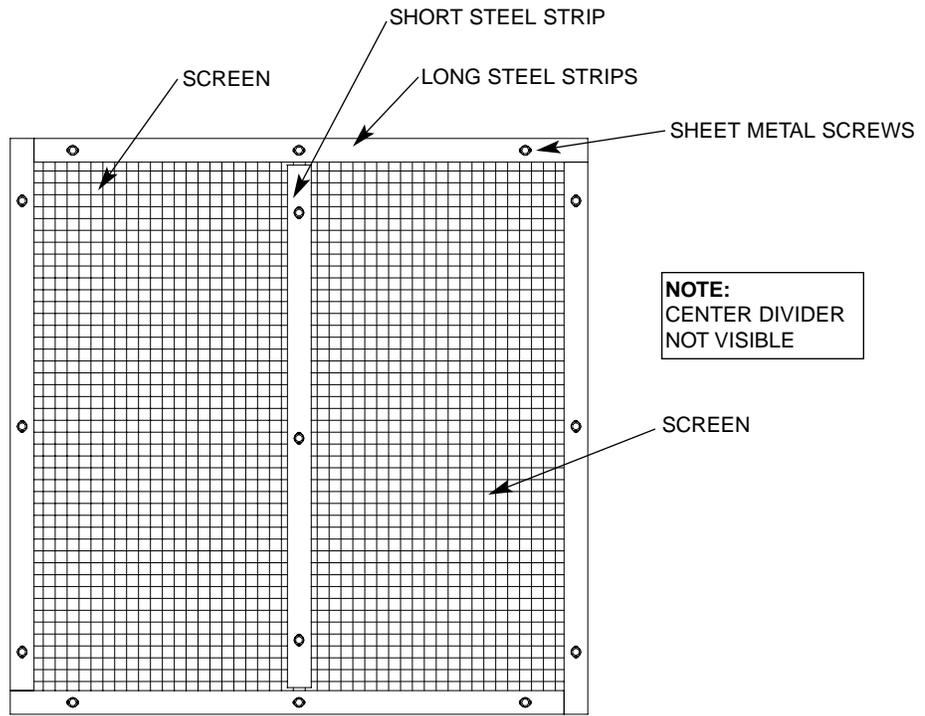
NOTE: This Grille can be mounted to open either right or left, as needed.

1. Slide the Mounting Frame over the Wallbox and drive the supplied Self-Drilling Screws through the prepunched holes into the Wallbox.
2. Latch tension is adjustable by a Locknut inside the Latch.
3. Adjust the Louvers to suit the installation.
4. This completes the installation of the Airfoil Industrial Supply Grille.

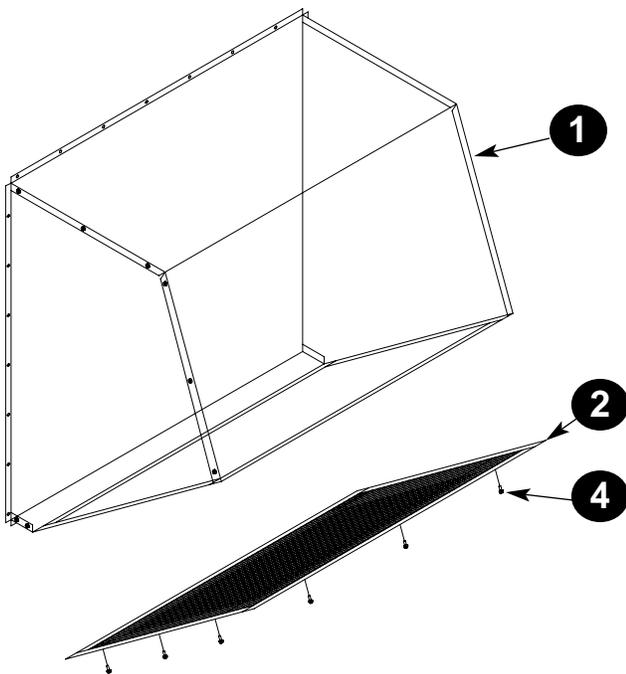


GALVANIZED MESH BIRDSCREEN
(Fan Sizes 20", 24", 30")

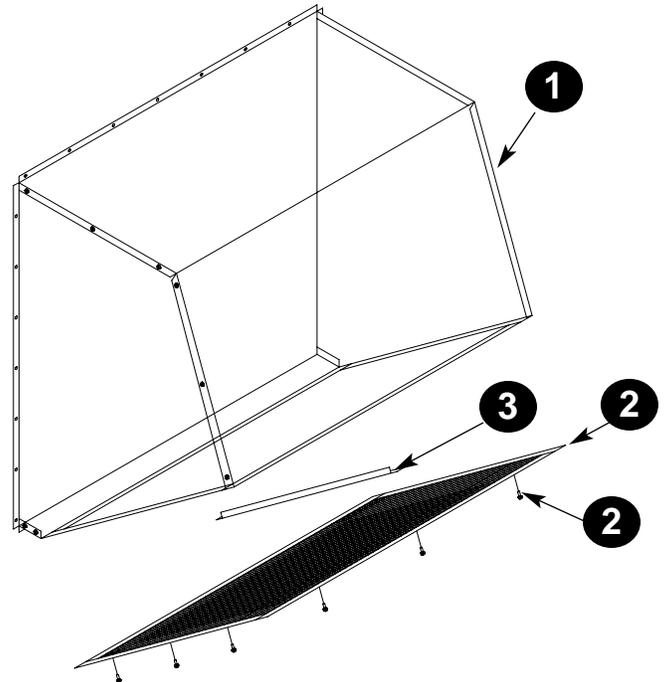
Fig. 1



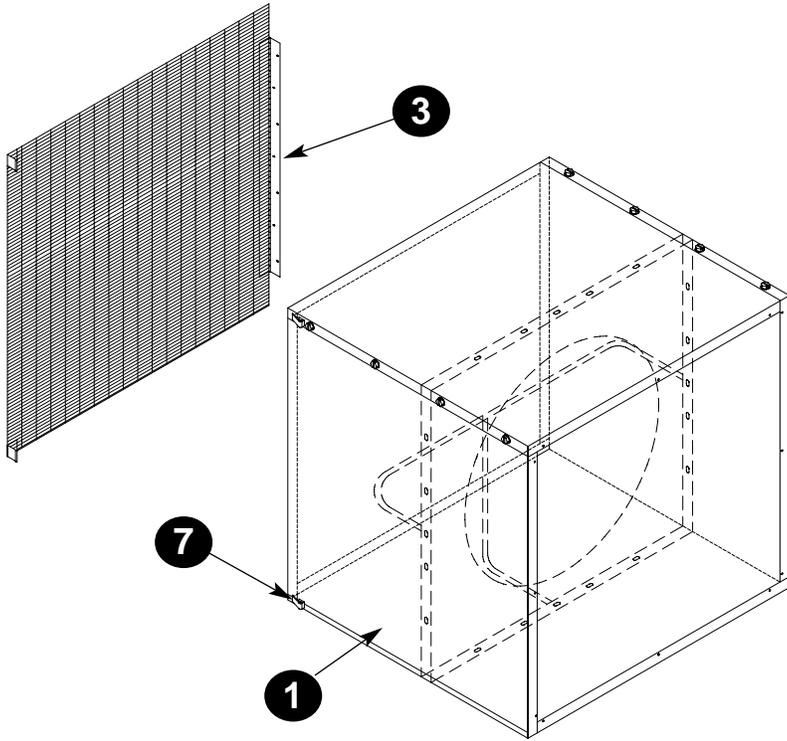
GALVANIZED MESH BIRDSCREEN
(Fan Sizes 36", 42", 48")
Fig. 2



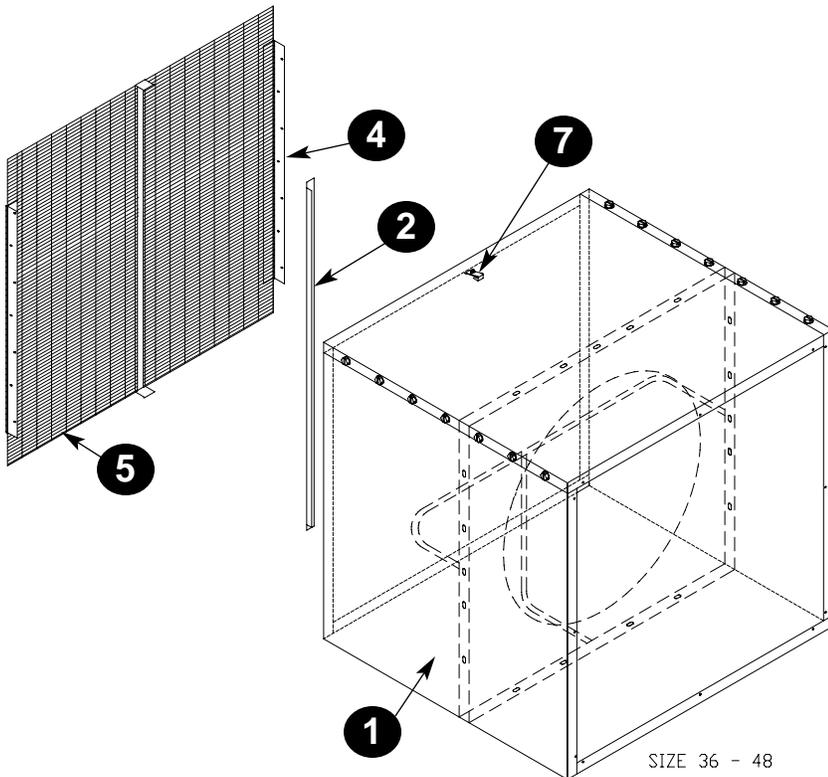
FLAT GUARD - OSHA STYLE
(Fan Sizes 20", 24", 30")
Fig. 3



FLAT GUARD - OSHA STYLE
(Fan Sizes 36", 42", 48")
Fig. 4

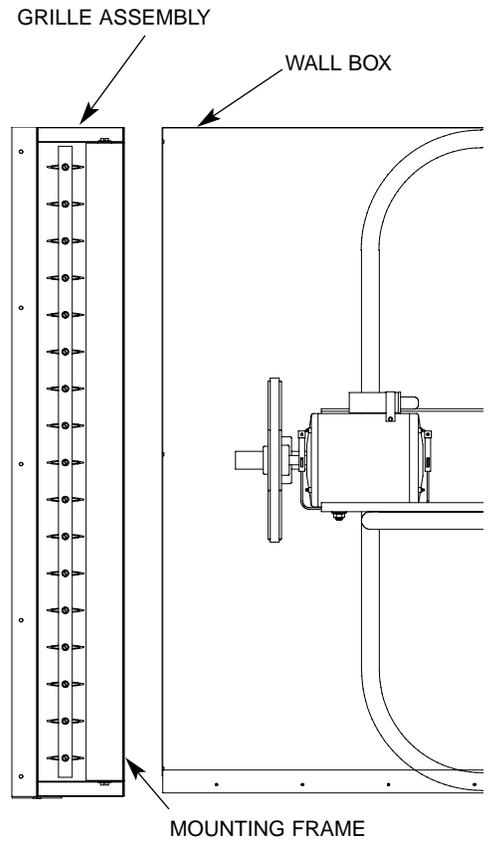


HINGED MOTOR SIDE GUARD - OSHA STYLE
 (Fan Sizes 20", 24", 30")
 Fig. 5



HINGED MOTOR SIDE GUARD - OSHA STYLE
 (Fan Sizes 36", 42", 48")
 Fig. 6

— TOP VIEW —
AIRFOIL INDUSTRIAL SUPPLY
GRILLE
 Fig. 7



NOTE: INSTALL WITH HINGE TO ONE SIDE OF THE WALL BOX, THE GRILLE SHOULD OPEN LEFT OR RIGHT