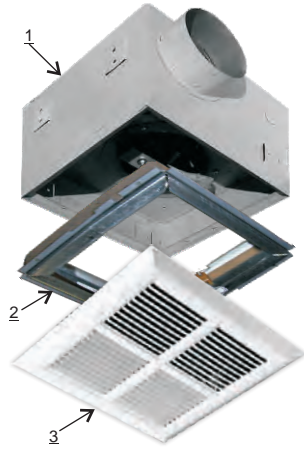


FIREFIGHTER RADIATION DAMPER

INSTALLATION INSTRUCTIONS



1. REVERSOMATIC Exhaust Fan
2. Firefighter Radiation Damper. Fits inside Fan Housing.
3. Ceiling Grille. Fits Over Firefighter Damper.

CROSS REFERENCE CHART

MODEL

REVERSOMATIC FANS: EB-45, 50, 55, B-60, QB-60 APOLLO FANS: EB-50, 60, 70	FF-50
REVERSOMATIC FANS: EB-100, RS-85, RS-90, RS-100 APOLLO FANS: EB-80, EB-100, RS-90, RS-100	FF-75
REVERSOMATIC FANS: B-100, K-100, BK-100, QB-80, QB-100S, QK-100 APOLLO FANS: QB-80, 100, 120, 150, 200	FF-100
REVERSOMATIC FANS: CF-100, 130, 170, LSF-80, QK-130, QCF-80, 95, 110, 125, 130 APOLLO FANS: QCF-95, 110, 125, 170, QB-130	FF-125
REVERSOMATIC FANS: QCF-150, QK-150, 160, 180 APOLLO FANS: QCF-145	FF-150



R19310



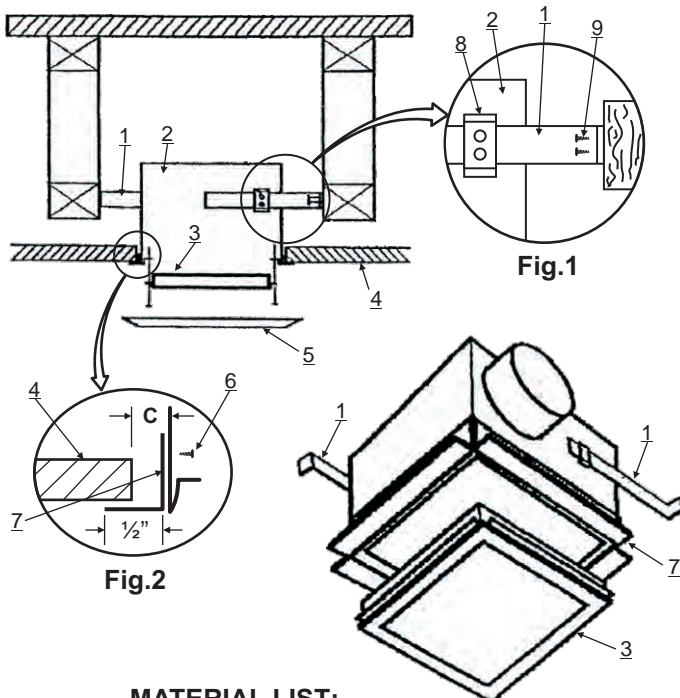
CR2292

Rated for UL 555
Ceiling Assemblies
up to 3 hours

The typical installation instructions shown were implemented to meet the UL555 guidelines. However there times when minor variances may be necessary to accommodate certain ceiling designs. This of course should be at the discretion of your local building authorities.

NOTE: Fusible link temperature limit is 165°F.

WOOD-TRUSS FLOOR-CEILING ASSEMBLY (Typical of UL L529)



FAN INSTALLATION:

1. Assemble Support Strap (2) to fan housing with Self-Tapping Screw #8 x 1/2" (9).
2. Assemble Dry Wall Angle Shield (7) to fan housing with Self-tapping Screws #8 x 1/2" (9) every 6" as per Fig. 2 Clearance "C" between fan and dry wall must be 1/8" minimum and 1/4" maximum.
3. Install fan housing as shown in **Fig.1** with #10 x 1/2" wood screws, 2 on each side.
4. Wood trusses that are greater than 16" centre would require 2 mounting brackets minimum 16ga. channel or angle. these mounting brackets must be connected wood trusses and spaced to accommodate the fan housing. Use 4 wood screws #10 x 1 1/2" per bracket.

NOTE: Drywall opening must be cut to accommodate fan housing as per **Fig. 2**

If the drywall has been cut accurately and there is no space between housing and drywall, you don't have to use Drywall Angle Shield (8).

MATERIAL LIST:

1. Support Strap (2 pcs. Supplied)
2. Fan
3. FireFighter Damper (Factory Installed)
4. Dry Wall
5. Grille

6. Self-tapping screws #8 x 1/2" (Not Supplied)
7. Drywall Angle Shield 3/4" x 1/2" 22ga. (Optional Not Supplied)
8. Sheet Metal Screws (Not Supplied)
9. Wood Screws #10 x 1 1/2" (Not Supplied)

STEEL JOIST INSTALLATION

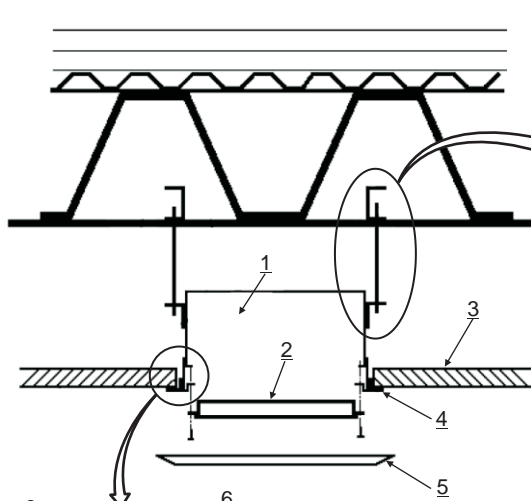


Fig.2

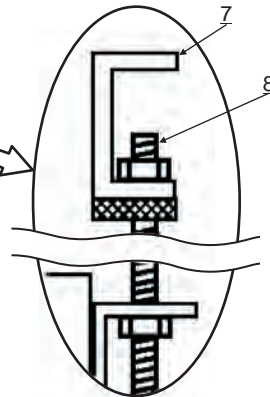
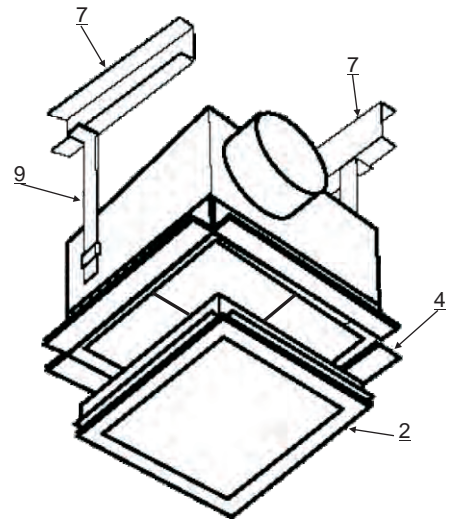


Fig.1



MATERIAL LIST:

- | | |
|--|--|
| 1. Fan | 6. Self-tapping screws #8 x 1/2"
(Not Supplied) |
| 2. FireFighter Damper (Factory Installed) | 7. U-channel 18 Ga. (Not Supplied) |
| 3. Ceiling Tile | 8. 1/4" x 3/4" Bolts (Not Supplied) |
| 4. Ceiling Tile Support Angle 3/4" x 1/2" 22ga.
(Optional Not Supplied) | 9. Support Strap (2 pcs. Supplied) |
| 5. Grille | |

FAN INSTALLATION:

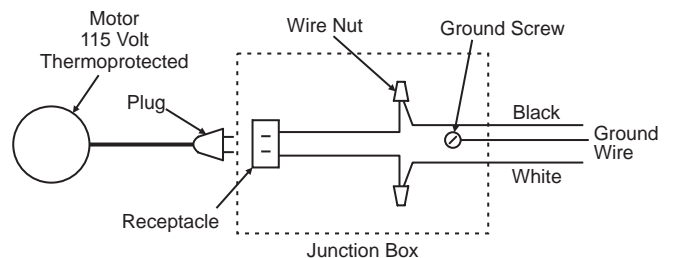
1. Assemble Support Strap (9) to fan housing with self-tapping screw #8 x 1/2".
2. Assemble Ceiling Tile Support Angle (4) to fan housing with self-tapping screw #8 x 1/2" spaced every 6".
3. All ceiling tile supported on angle (4) must be trimmed as per Fig. 2. Allowing necessary expansion as per dimension "C", minimum 1/8" & maximum 1/4".
4. Secure "U" channel (7) to steel joist.
5. Install fan housing as shown in Fig.1.

NOTE: Ceiling tile opening must be cut to accommodate fan housing as per Fig. 2

ELECTRICAL INSTALLATIONS:

1. Connect motor as per nameplate diagram to correct power supply.
2. Install all wiring, protection and grounding in accordance with the National Electrical Code (NEC) and all local requirements.
3. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

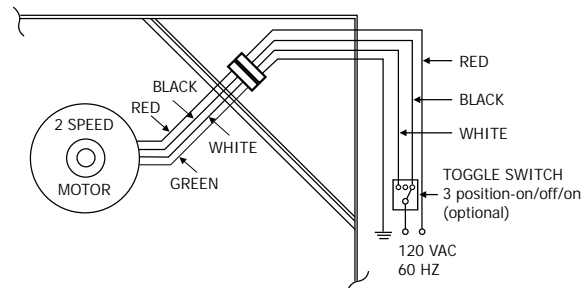
WIRING DIAGRAM:



2 SPEED MOTOR WIRING DIAGRAM

Model: CF 170-2 QCF-125CO
RS 90-2
RS 90-2FF

LOW Speed: White - Red
HIGH Speed: White - Black



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