



DOWN DRAFT MULTI-PITCH™ ROOF JACK INSTALLATION INSTRUCTIONS

6-in-12

SHOWN AT MAXIMUM
6"-in-12" POSITIONING



FOR ANY ROOF PITCH
FROM FLAT UP TO 6"-IN-12"

- **18x18 (17-3/4"x17-3/4") Multi-Pitch™** Roof Jack for 3,000 to 4,500 CFM Residential Down Draft Coolers.
- **20x20 (19-3/4"x19-3/4") Multi-Pitch™** Roof Jack for 5,500 to 6,500 CFM Residential Down Draft Coolers.

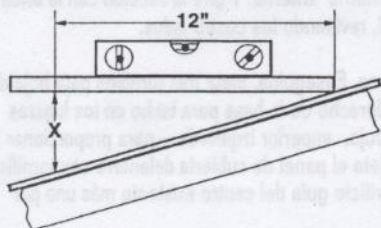
INSTALLING WITH CHAMPION OR MARQUIS BRAND COOLERS

With finger pressure only, angle the outer edge of **rear flange only** downward by 60 degrees to 75 degrees to align roof jack with the unique double-drawn bottom pan of 4000 / 4500 and 5500 / 6500 Champion and Marquis models. Flange adjustment **not needed** for 3000 Champion and Marquis models and for all other brands of coolers.

REVIEW THESE SUGGESTIONS BEFORE STARTING

Verifying Your Roof Pitch

Measure and mark a smooth, straight board 12" from one end, as shown. Rest tip of board on roof surface and tilt board to level position. Measure



the distance from the roof surface to the underside of board to calculate exact roof pitch. **EXAMPLE:** If "X" = 3-3/4", your roof pitch is 3-3/4"-in-12".

IMPORTANT!

Multi-Pitch™ roof jacks are adjustable for installations on roof pitches from flat up to 6"-in-12" but are **NOT** designed for applications which exceed the **maximum** pitch limit!

A

Tar-coat the top surface of the pre-installed square-to-round fitting. Then slide the roof jack's up-slope flange under the roof shingles above it. Now, position the jack so its lower flanges cover the square-to-round flashing.

B

Drive ten or so roofing nails through roof jack flanges (and square-to-round flashing beneath) anchoring both to roof. Next, remove front cover panel from roof jack, slide out its internal "winterizer" damper, and pivot the jack's top flanged section into perfect level, checking all four sides.

C

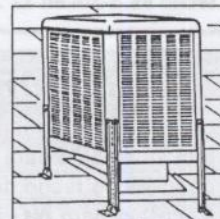
Re-check leveling of all four top flanges. Then, drive three self-tapping sheet metal screws thru the left and the right roof jack sides in areas especially engineered — marked X in illustration, top left — to provide the additional strength of three overlapping panels. Secure the front cover panel with self-tapping sheet metal screws: one through the existing center guide hole plus one through each of its two corner flanges.

D

Next, with pad frames removed and **BEFORE** installing motor, apply a heavy bead of caulking sealer on the roof jack's four top flanges to form a bond with the underside of the cooler. Set cooler in position on roof jack.

E

INSTALL SUPPORTING LEG KIT. The Multi-Pitch™ roof jack serves only as an air distribution plenum, and is **NOT** intended to support the cooler's full operating weight load. Select a leg kit that fits your cooler model and follow the cooler and leg kit installation instructions. Cooler legs are not included with the roof jack.



Distributed by Dial Manufacturing, Inc., Phoenix, Arizona

REINSERT "WINTERIZER" SLIDE-IN DAMPER WHEN COOLER SEASON ENDS!

LIMITED WARRANTY: Roof jack is warranted for 90 days from date of retail sale. Roof jack returned to dealer must be accompanied by a sales receipt, showing a purchase date within 90 days of return date. Credit will not be issued for abused, altered or improperly installed roof jacks. www.dialmfg.com

U.S. Patent No. 5409266

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