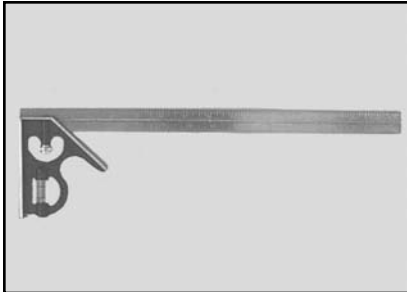


45° CUTTING HEAD TILE SAW-BLADE ALIGNMENT PROCEDURE

The Movable Cutting Table of the MK-770 may become misaligned with the Cutting Head of the Tile Saw over time. Should misalignment occur, perform the following steps to realign the Tile Saw.

NOTE: If alignment problems are the result of a warped blade, a bent frame or bent support arm, or, if alignment is off by more than 1/8-inch, contact the MK Diamond Service Center – (800) 474-5594

Tools Needed:



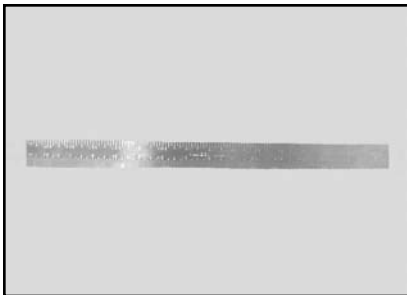
Combination Square (Square)
12-inch or Greater



1/2-inch Wrench or
MK Open End Wrench and
MK Triple Hole Box Wrench



Flat Head Screwdriver

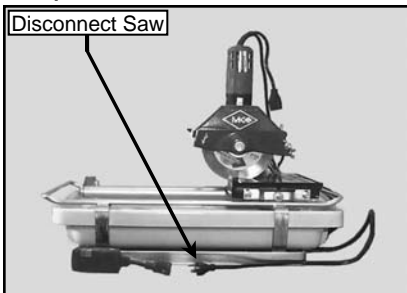


Metal Straight Edge

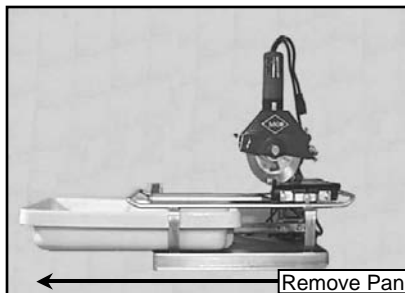


1/4-inch Wrench

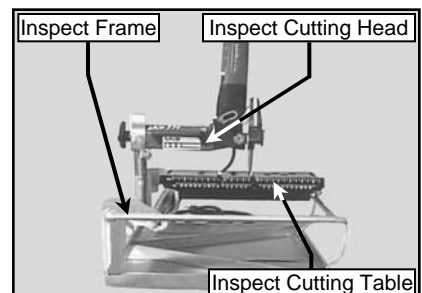
Preparation:



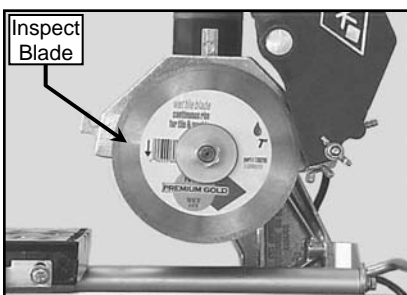
(A)
Remove Tile Saw
from Power Source



(B)
Remove Water Pan



(C)
Inspect Tile Saw
for damage



(D)
Inspect Diamond Blade
for damage

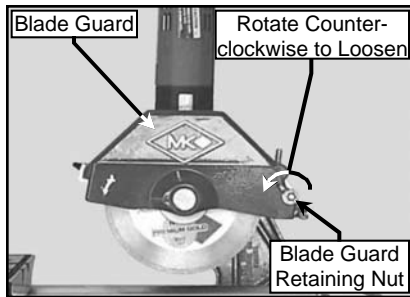
45° CUTTING HEAD TILE SAW-BLADE ALIGNMENT PROCEDURE

Movable Cutting Table Alignment Verification:

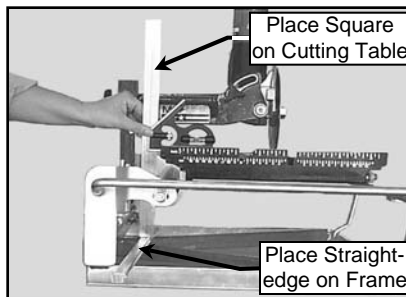
This will verify the Movable Cutting Table is aligned to the frame of the saw.

NOTES: If the blade is misaligned following alignment verification, attempt to align using Alignment Screw, 90° Verification.

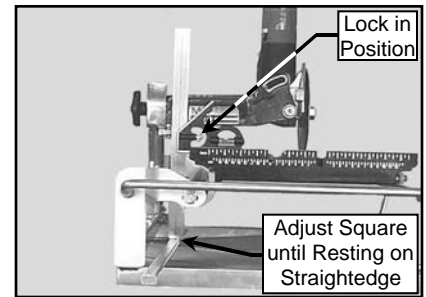
The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



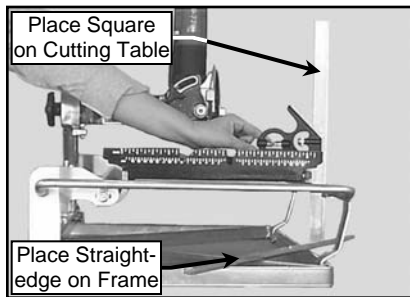
(A)
Remove Blade Guard



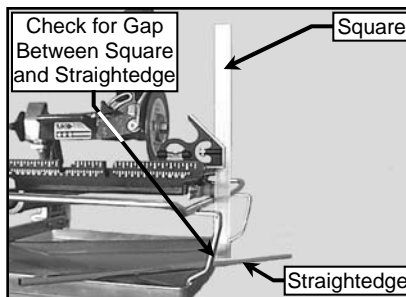
(B)
Guide Bar side of Movable Cutting Table, Height Determination Setup



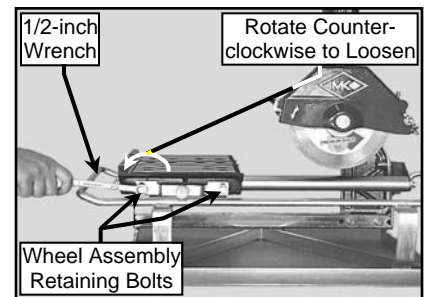
(C)
Guide Bar side of Movable Cutting Table, Height Determination



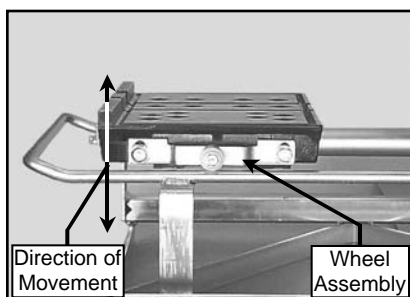
(D)
Wheel Assembly side of Movable Cutting Table, Height Determination Setup



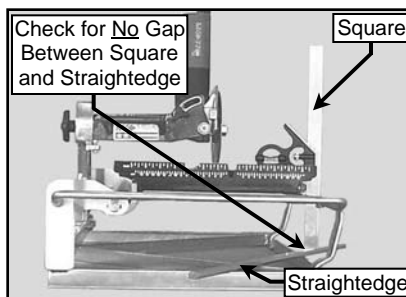
(E)
Verify Wheel Assembly side of Movable Cutting Table height is same as Guide Bar side



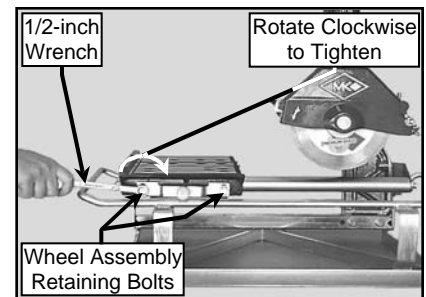
(F)
If Gap exists, loosen Movable Cutting Table Wheel Assembly



(G)
Move Wheel Assembly up or down to Square the Movable Cutting Table



(H)
Re-Verify Wheel Assembly side of Movable Cutting Table height is same as Guide Bar side



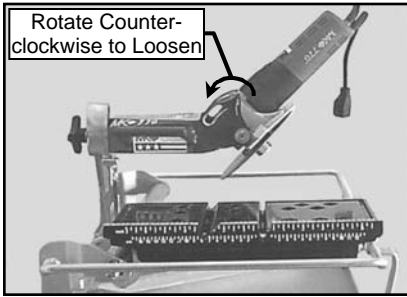
(I)
Tighten Movable Cutting Table Wheel Assembly

45° CUTTING HEAD TILE SAW-BLADE ALIGNMENT PROCEDURE

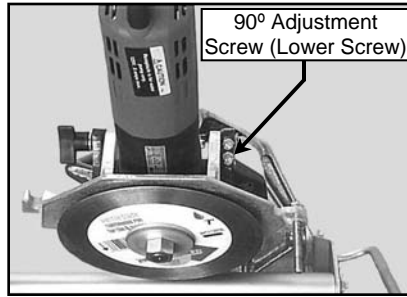
Alignment Screw, 90° Verification:

90°-alignment verification will ensure that the blade will cut the tile straight up and down and not at an angle.

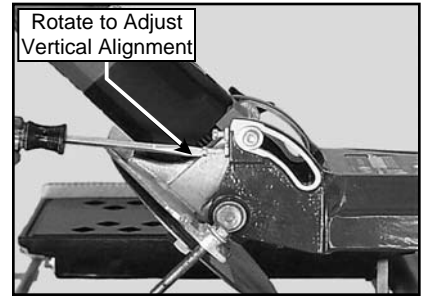
NOTES: If the blade is misaligned following this alignment procedure, return the saw to MK Diamond for repair. The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



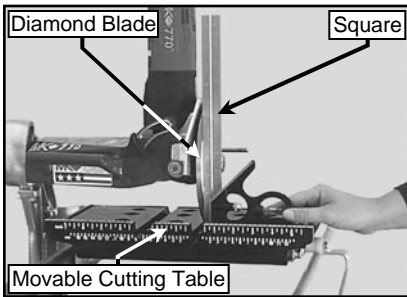
(A)
Position the Cutting Head to the 45° Cutting Angle



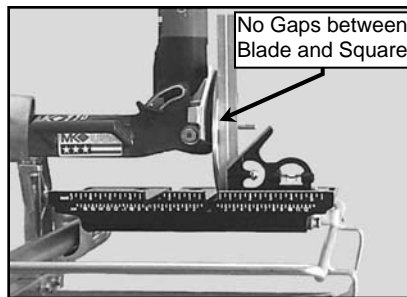
(B)
Locate the 90° Adjustment Screw



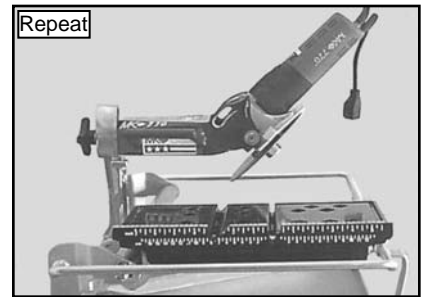
(C)
Rotate 90° Adjustment Screw clockwise or counter-clockwise to realign Cutting Head



(D)
Position the Square on Movable Cutting Table against the Diamond Blade



(E)
Verify the Diamond Blade is Square to the Movable Cutting Table

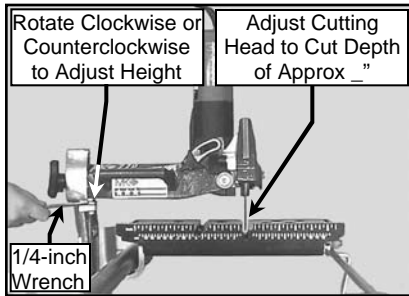


(F)
Repeat Steps A to E as necessary to align the Cutting Head

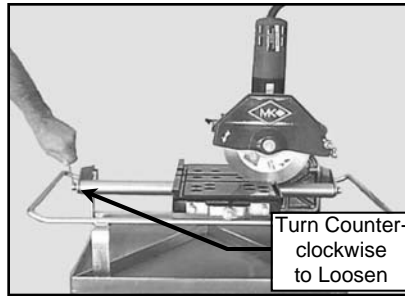
45° CUTTING HEAD TILE SAW-BLADE ALIGNMENT PROCEDURE

Horizontal Rough Alignment:

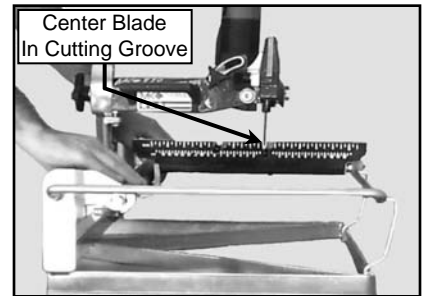
The Horizontal alignment will ensure that straight cuts (or Rip Cuts) are made.



(A)
Position Cutting Head to normal Cut Depth

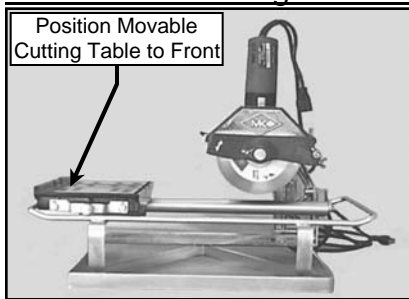


(B)
Loosen front and rear Guide Bar Retaining Bolts

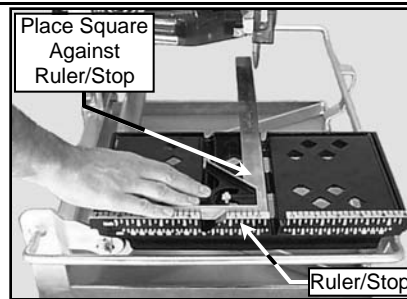


(C)
Move Guide Rail until Blade centered in Cutting Groove

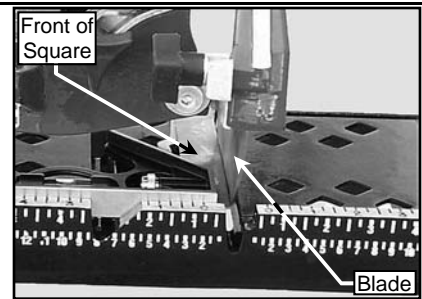
Horizontal Final Alignment:



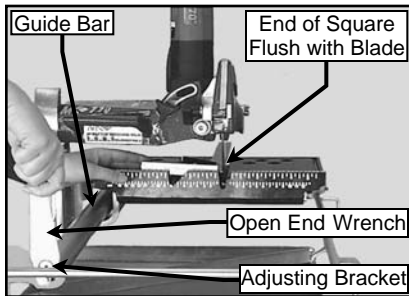
(A)
Pull Movable Cutting Table to front of Tile Saw



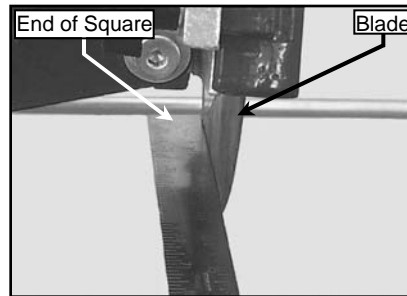
(B)
Position Square flat on Movable Cutting Table against Ruler/Stop



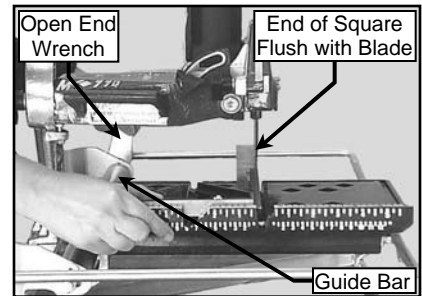
(C)
Position front of Square against Blade



(D)
Move Guide Bar using Adjusting Bracket until Square rests evenly across Blade

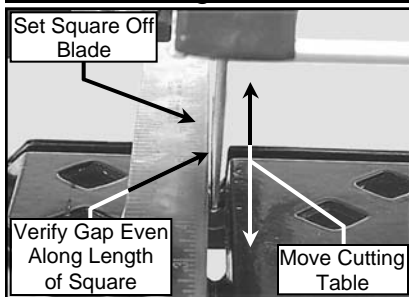


(E)
Position end of Square against Blade

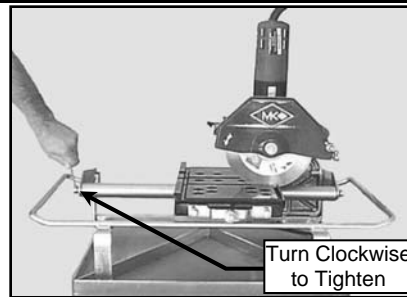


(F)
Move Guide Bar using Adjusting Bracket until Square rests evenly across Blade

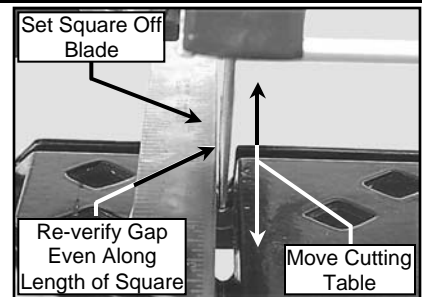
Horizontal Alignment Verification:



(A)
Move the Cutting Table back and forth to verify Blade is even across all points of Square



(B)
Tighten Guide Bar Retaining Bolts



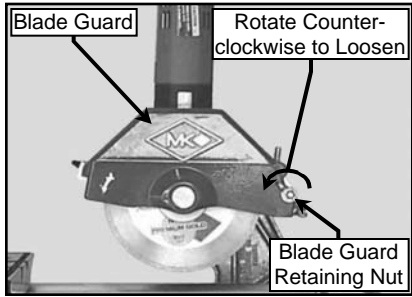
(C)
Move the Cutting Table back and forth to re-verify Blade is even across all points of Square

45° CUTTING HEAD TILE SAW-BLADE ALIGNMENT PROCEDURE

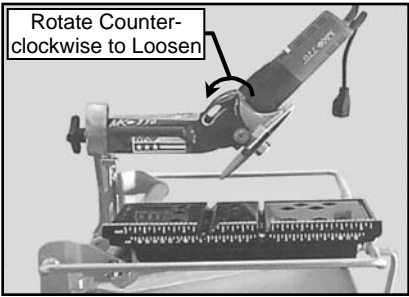
45° Alignment Verification:

The 45° Alignment Verification is done to ensure the blade will cut tile at a 45° angle.

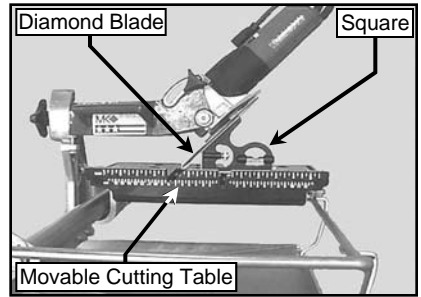
NOTES: If the blade is misaligned following this alignment verification procedure, return the saw to MK Diamond for repair.
The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



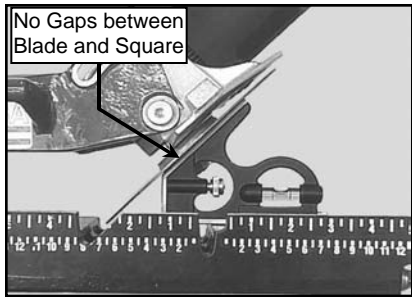
(A)
Remove Blade Guard
(If not done Previously)



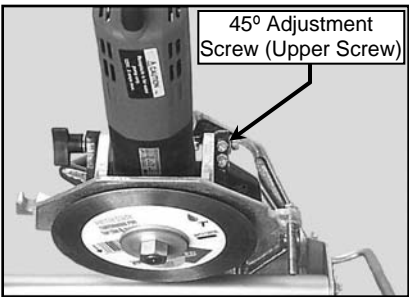
(B)
Position the Cutting Head
to the 45° Cutting Angle



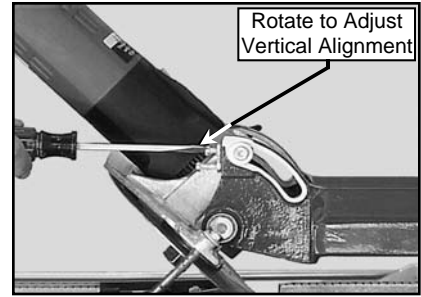
(C)
Place Square on the Movable
Cutting Table and position the
Square against the Blade



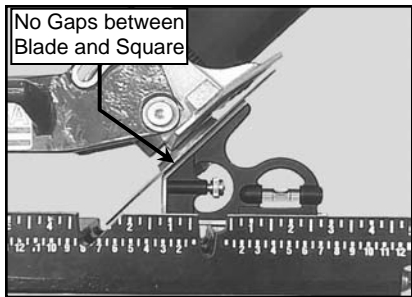
(D)
Verify Blade is even
across all points of Square



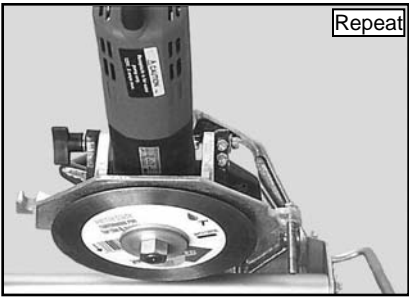
(E)
To Adjust 45° Cutting Angle,
locate the 45°
Adjustment Screw



(F)
Rotate 45° Adjustment Screw
clockwise or counter-clockwise
to realign 45° Cutting Angle



(G)
Verify Blade is now even
across all points of Square



(H)
Repeat steps A to G until Blade is
even across all points of
Square