WallRack Accessories Installation:

1. WallRack “Wall-Plate” Installation:

A. Tools & Fasteners

- 3/8” Power Drill
- 1/8” x 3” Long Carbide Drill Bit
- T-30 Torx Bit {5/16” Screw}
- (3) 5/16” x 2-1/2” Long Lag Screws Part #17505 {Included}
- Pencil
- Tape Measure
- Stud Finder
- Blue Line or Laser Level

B. Installation:

a) Locate center of stud with Stud Finder for placement of the first WallRack #17502 Powder Coated or WallRack #17503 Stainless Steel
b) Snap a line with the Blue Line or Laser and make a mark with pencil at approximately 60” from the floor to the first mounting hole position
c) Hold rack straight and center hole over first mark position, the bottom hole and mark the upper hole at 12” center to center, which would be the 1st hole down from the top
d) Remove the rack and drill approximately 2-1/2” deep into drywall and stud with 1/8” x 3” Drill Bit on center of the (2) rack holes & (1) bottom hole
e) Align the Wall-Plate #17621 & WallRack #17502 with its holes and using the Drill & T-30 Torx Driver screw the (3) Lag Screws #17505 into the wall tightly
f) Now offset the next bottom Plate & Rack hole down by 12” vertical and 16” center-to-center horizontal, depending on stud placement, yielding approximately 48” from the rack bottom hole to the floor
g) Repeat steps “c” thru “e” completing on set of racks
h) Repeat steps “a” thru “g” as necessary to complete the wall installation using a Blue Line or Laser Level
2. WallRack “Angle-Bracket” Installation:

A. Tools & Fasteners

- 3/8” Impact Drill
- 1/2” x 3” Long Carbide Drill Bit
- (2) 5/16” Lag Shields Part #17504 {Included}
- (2) 5/16” x 2-1/2” Long Lag Screws Part #17505 {Included}
- T-30 Torx Driver {5/16” Screw}
- T-45 Torx Driver {3/8” Screw}
- (2) 3/8-16NC X 1” BHCS Torx Screw Part #12724 {Included}
- (2) 3/8-16NC Serrated Flange Nut Part #12688 {Included}
- Pencil
- Hammer
- Tape Measure
- 9/16” Hex Wrench
- Concrete Adhesive
- Blue Line or Laser Level

B. Installation:

a) Locate center of bottom hole placement of the first WallRack
b) Snap a line with the Blue Line or Laser and make a mark with pencil at approximately 60” from the floor to the first mounting hole position
c) Hold rack straight and center hole over mark position, the bottom hole and mark the upper hole at 12” center to center, which would be the 1st hole down from the top
d) Remove rack and drill approximately 2-1/2” deep into concrete with 1/2” x 4” Drill Bit on center
e) Squirt in some Concrete Adhesive in both holes
f) Insert the (2) Lag Shields #17504 into the holes and tap flush with the hammer
WallRack “Angle-Bracket” Installation {Continued}

g) Align “as shown” the Angle Brackets #17488 with the holes and Sleeves and insert the Lag Screws #17505 using the T-30 Torx Driver and tighten

h) Now align the WallRack with the end holes of the Angle Brackets and insert Torx BHCS #12724 into rack top hole and run up Serrated Flange Nut #12688 and snug, then repeat with second hole and tighten both fasteners with the T-45 Torx Driver and the 9/16” Hex Wrench

i) Next offset the bottom rack hole down by 12” vertical and over 16” center-to-center horizontal, yielding approx. 48” from the rack bottom hole to the floor

j) Repeat steps “c” thru “h” completing on set of racks

k) Repeat steps “a” thru “j” as necessary to complete the wall installation using a Blue Line or Laser Level

l) The Angle Brackets can also be used on Drywall with Studs & Brick, reference Steps #1B(a-g) for Drywall & Studs for Anchoring Brackets instead of WallRacks, also Steps #3B(a-h) for Masonary & Brick Anchoring Brackets instead of WallRacks and the attachment of the Angle Brackets & WallRack will remain the same as Steps #5B(g-j) as above
3. WallRack “Strut-Mount” Installation:

A. Tools & Fasteners

- 3/8” Power Drill
- 1/8” x 3” Long Carbide Drill Bit
- T-30 Torx Bit {5/16” Screw}
- T-45 Torx Bit {3/8” Screw}
- (9) 5/16” x 2-1/2” Long Lag Screws Part # 17505 {Included}
- (8) 3/8-16NC X 1” BHCS Torx Screws Part #12724 {Included}
- (8) 3/8-16NC Zinc Strut Nuts Part #17525 {Included}
- Pencil
- Tape Measure
- Stud Finder
- Blue Line or Laser Level

B. Installation:

a) Locate center of studs with Stud Finder for placement of the U-Strut Spanners Part #15720 {18” Shown as reference only}
b) Snap a line with the Blue Line or Laser and make a mark with pencil at approximately 60” from the floor across the five-foot or ten-foot span you intend the hang the racks
c) Next snap second line 12” below the first and a third 12” below the second
d) Mark with a Pencil the centers of the studs on the snap lines
e) Now drill approximately 2-1/2” deep into drywall and stud with 1/8” x 3” Drill Bit on centers of the Pencil Locations
f) Align a U-Strut #17520 Spanner Slots and Level the Spanner, then with the Drill & T-30 Torx Driver screw the Lag Screws #17505 into the slot and wall till tight, and repeat for each of the remaining spanners
g) Now place the WallRacks #17502 over the spanners on approximately 16” centers staggered on 12” offset as shown below
WallRack “Strut-Mount” Installation {Continued}

h) Insert a 3/8-16NC BHCS #12724 thru the top hole of the WallRack and place a 3/8-16NC Strut Nut #17525 into the Spanner behind the screw and hand tighten, and do the same for the bottom hole which is 12” center-to-center from the top hole.

i) Using a drill with the T-45 Torx Driver and holding the Strut-Nut #17525 in-place while holding the rack perpendicular with the spanners tighten both screws.

j) Repeat steps “g” thru “i” for all the WallRacks on these Strut Spanners.

k) Repeat steps “a” thru “j” as necessary to complete the wall installation using a Blue Line or Laser Level.