



## Installation Advisory

### Updated Subwoofer Displacement

#### ISSUE:

Our method for determining subwoofer displacement (amount of space a subwoofer consumes) on many of our PUNCH & POWER series subwoofers were inaccurately stated in the owner's manual. This only affects the amount of "air space" displaced when building an enclosure. Measurements such as mounting depth, mounting diameter, and power handling are unchanged. Thiele/Small parameters are also unaffected since they are accurately verified through the KLIPPEL speaker certification program.

#### SOLUTION:

When building enclosures, use the "Displacement Chart" below for correct subwoofer displacement. Most existing enclosures will not exhibit any issues, other than a slightly lower Resonant Frequency (Fo) for sealed enclosures, or slightly lower tuning frequency (Fb) for vented enclosures.

#### DISPLACEMENT CHART:

##### PRIME™

These woofers are unaffected, but included in this chart for convenience.

R1S4-10 0.06 cu.ft. (1.80 Liters)  
R1S4-12 0.10 cu.ft. (2.80 Liters)

R2D2-10 0.039 cu.ft. (1.1 Liters)  
R2D4-10 0.039 cu.ft. (1.1 Liters)  
R2D2-12 0.046 cu.ft. (1.3 Liters)  
R2D4-12 0.046 cu.ft. (1.3 Liters)

R2SD2-10 0.037 cu.ft. (1.05 Liters)  
R2SD4-10 0.037 cu.ft. (1.05 Liters)  
R2SD2-12 0.039 cu.ft. (1.1 Liters)  
R2SD4-12 0.039 cu.ft. (1.1 Liters)

##### PUNCH™

P1S2-8 0.035 cu.ft. (1.0 Liters)  
P1S4-8 0.035 cu.ft. (1.0 Liters)  
P1S2-10 0.064 cu.ft. (1.8 Liters)  
P1S4-10 0.064 cu.ft. (1.8 Liters)  
P1S2-12 0.081 cu.ft. (2.3 Liters)  
P1S4-12 0.081 cu.ft. (2.3 Liters)  
P1S4-15 0.148 cu.ft. (4.2 Liters)  
P1S2-15 0.148 cu.ft. (4.2 Liters)

P2D2-8 0.042 cu.ft. (1.2 Liters)  
P2D4-8 0.042 cu.ft. (1.2 Liters)  
P2D2-10 0.060 cu.ft. (1.7 Liters)  
P2D4-10 0.060 cu.ft. (1.7 Liters)  
P2D2-12 0.085 cu.ft. (2.4 Liters)  
P2D4-12 0.085 cu.ft. (2.4 Liters)  
P2D2-15 0.134 cu.ft. (3.8 Liters)  
P2D4-15 0.134 cu.ft. (3.8 Liters)

P3D2-10 0.070 cu.ft. (2.0 Liters)  
P3D4-10 0.070 cu.ft. (2.0 Liters)  
P3D2-12 0.106 cu.ft. (3.0 Liters)  
P3D4-12 0.106 cu.ft. (3.0 Liters)  
P3D2-15 0.148 cu.ft. (4.2 Liters)  
P3D4-15 0.148 cu.ft. (4.2 Liters)

P3SD2-8 0.040 cu.ft. (1.13 Liters)  
P3SD4-8 0.040 cu.ft. (1.13 Liters)  
P3SD2-10 0.074 cu.ft. (2.1 Liters)  
P3SD4-10 0.074 cu.ft. (2.1 Liters)  
P3SD2-12 0.086 cu.ft. (2.45 Liters)  
P3SD4-12 0.086 cu.ft. (2.45 Liters)

##### POWER™

T0D210 0.078 cu.ft. (2.2 Liters)  
T0D410 0.078 cu.ft. (2.2 Liters)  
T0D212 0.106 cu.ft. (3.0 Liters)  
T0D412 0.106 cu.ft. (3.0 Liters)  
T0D215 0.191 cu.ft. (5.4 Liters)  
T0D415 0.191 cu.ft. (5.4 Liters)

T1D210 0.078 cu.ft. (2.2 Liters)  
T1D410 0.078 cu.ft. (2.2 Liters)  
T1D212 0.106 cu.ft. (3.0 Liters)  
T1D412 0.106 cu.ft. (3.0 Liters)  
T1D215 0.191 cu.ft. (5.4 Liters)  
T1D415 0.191 cu.ft. (5.4 Liters)

T2D212 0.177 cu.ft. (5.0 Liters)  
T2D412 0.177 cu.ft. (5.0 Liters)  
T2D215 0.201 cu.ft. (5.7 Liters)  
T2D415 0.201 cu.ft. (5.7 Liters)