V7 Chord—1st, 2nd and 3rd Inversions

The V7 chord can also be inverted. Since the V7 chord is a 4-note chord, it can be written in four different positions: root, 1st inversion, 2nd inversion and 3rd inversion (7th at the bottom).

Close Position

In 1st, 2nd and 3rd inversions in close position, the root is always the upper note of the interval of a 2nd.

Exercises

1. Write the 1st, 2nd and 3rd inversions for the following V7 chords in close position.

   a. 
      \[ \text{Root} \quad \text{1st} \quad \text{2nd} \quad \text{3rd} \]
      \[ \text{D7} \]

   b. 
      \[ \text{Root} \quad \text{1st} \quad \text{2nd} \quad \text{3rd} \]
      \[ \text{A7} \]

   c. 
      \[ \text{Root} \quad \text{1st} \quad \text{2nd} \quad \text{3rd} \]
      \[ \text{C7} \]

   d. 
      \[ \text{Root} \quad \text{1st} \quad \text{2nd} \quad \text{3rd} \]
      \[ \text{F7} \]

2. Indicate the inversion of the following V7 chords.

   \[ \text{C7} \quad \text{A7} \quad \text{F7} \quad \text{D7} \quad \text{A7} \quad \text{F7} \quad \text{D7} \]
   
   1st

3. Write the following V7 chords in the given inversions. The bottom note is given. Add accidentals where needed.

   \[ \text{F7} \quad \text{C7} \quad \text{A7} \quad \text{D7} \quad \text{C7} \quad \text{F7} \quad \text{D7} \]
   
   3rd 1st 2nd 1st 3rd 2nd 3rd