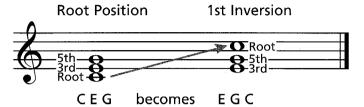
Triads — 1st Inversion

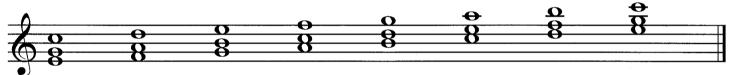
Any root position triad may be changed by moving the root (bottom note) of the chord to another position. This is called an INVERSION—it means the notes are rearranged and a tone other than the root is the bottom note of the chord.

The first inversion can be made from a C triad by moving the root (C) to the top of the chord.



All letter names are the same, but the 3rd (E) is now on the bottom, and the root (C) is now on top. This is called 1st INVERSION.

1st Inversion Triads in C major (3rd is on the bottom).



In 1st inversion, the 3rd is always the bottom note.

OPEN and CLOSE POSITIONS

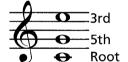
When the notes of a chord are spaced within an octave, it is in CLOSE POSITION. When the notes of a chord are spaced larger than an octave, it is in OPEN POSITION.





Root Position

Open Position



Root Position

Close Position



1st Inversion

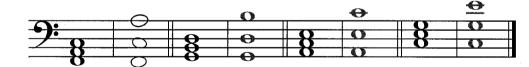
Open Position



1st Inversion

Exercises =

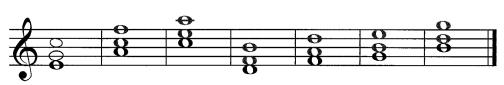
Rewrite the following root position triads in open position.



Using the given notes as the root, add the 3rd and 5th below each note to make 1st inversion triads in the key of C.



Using the given notes as the 3rd, add the 5th and root above each note to make 1st inversion triads in the key of C (close position).

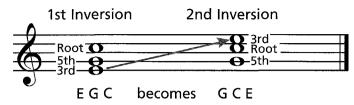


84 UNIT 1

Triads — 2nd Inversion =

Any 1st inversion triad may be inverted again by moving the lowest note (3rd) to the top.

The second inversion can be made from a 1st inversion C triad by moving the 3rd (E) to the top of the chord.

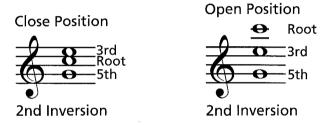


All letter names are the same, but the 5th (G) is now on the bottom, and the root (C) is now in the middle. This is called 2nd INVERSION.

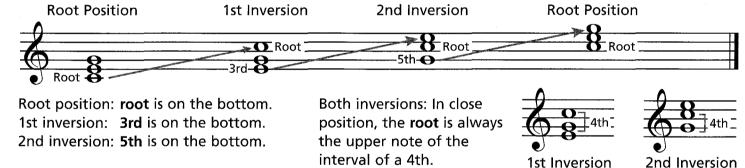
2nd Inversion Triads in C Major (5th is on the bottom).



In 2nd inversion, the 5th is always the bottom note.



Triads in all Positions (close).



Exercises =

Rewrite the following close position 2nd inversion triads in open position.



Rewrite the following root position triads in 2nd inversion (close position).

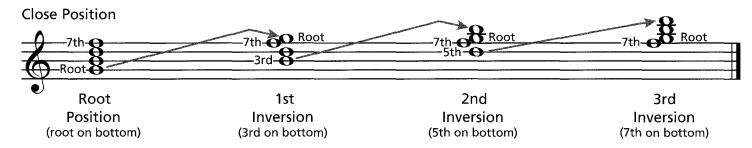


Using the given notes as the root, add the 5th below and the 3rd above to make 2nd inversion triads in the key of C.



V7 Chord—1st, 2nd and 3rd Inversions

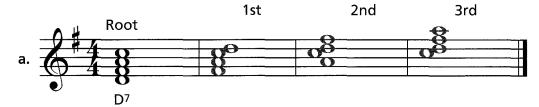
The V^7 chord can also be inverted. Since the V^7 chord is a 4-note chord, it can be written in four different positions: root, 1st inversion, 2nd inversion and 3rd inversion (7th at the bottom).



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

Exercises =

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

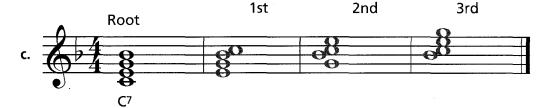


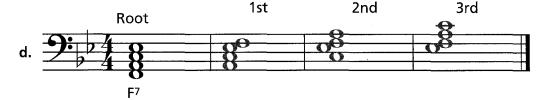


1st

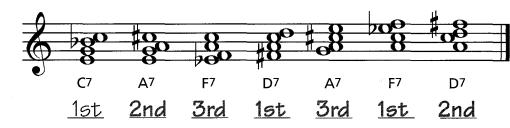
2nd

3rd

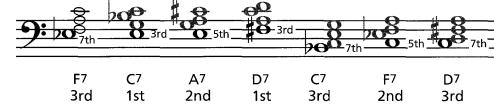




Indicate the inversion of the following V⁷ chords.



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

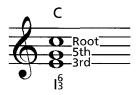




Figured Bass =

To indicate what inversion of a chord to use, numbers are added to the Roman numeral of that chord. This system originated during the BAROQUE PERIOD (1600–1750) and is called FIGURED BASS.

1st Inversion Triads (3rd is the lowest note)



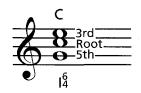
In the key of C, the 1st inversion of the I chord was originally written I_3^{\S} .

The numbers $\frac{6}{3}$ indicate the intervals of the chord from the bass (lowest) note. The middle note G is up a 3rd from the bass note E, and the top note C is up a 6th. Over time, the bottom 3 was dropped and shortened to 1^6 .

Another way to indicate a 1st inversion C chord is by using the chord symbol C followed by the bass note, written C/E.

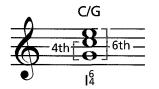


2nd Inversion Triads (5th is the lowest note)

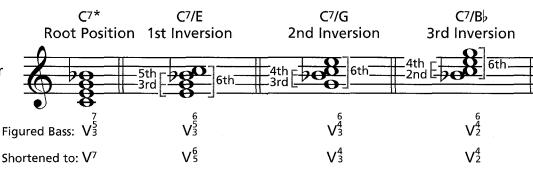


In the key of C, the 2nd inversion of the I chord is written I⁶₄. The middle note C is up a 4th from the bass note G, and the top note E is up a 6th.

Another way to indicate a 2nd inversion C chord is C/G.



V⁷ Chords The V⁷ chord has four different positions.

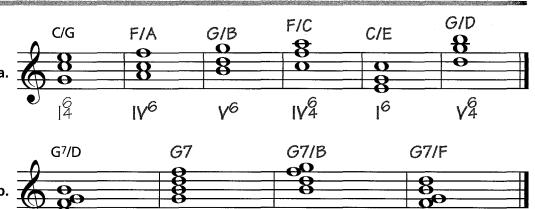


Letter name chord symbols (C/G) are usually written above the staff. Roman numeral chord symbols (V⁷) are usually written below the staff.

*The C^7 chord is the V^7 chord in the key of F.

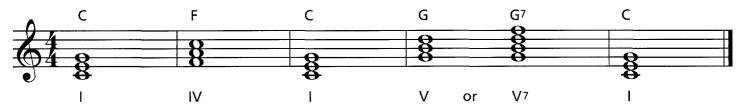
Exercises

Write the chord symbol above the staff and the Roman numeral below the staff, using figured bass where applicable, for each chord in the key of C.



Major Chord Progressions =

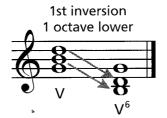
Chords that move (or progress) from one to another are called a CHORD PROGRESSION. Because the I, IV and V chords contain all the notes of the major scale, they can be used to ACCOMPANY (play along with) most simple melodies. In many chord progressions, a V⁷ chord is used in place of the V chord.



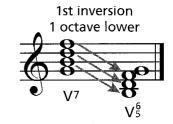
When the IV and V (or V⁷) chords are in root position, the progression sounds choppy. To make it easier to play and sound smoother, the IV chord often is moved to the 2nd inversion, and the V (or V⁷) chord often is moved to the 1st inversion.

In the IV chord, the 5th (C) is moved down an octave.

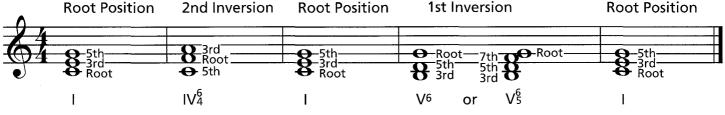
2nd inversion 1 octave lower In the V chord, the 3rd (B) and 5th (D) are moved down an octave.



In the V^7 chord, the 3rd (B), 5th (D) and 7th (F) are moved down an octave.

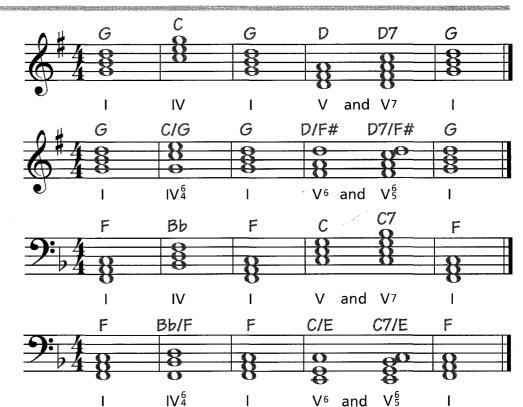


The following positions are often used for smooth progressions. Notice there is a common tone between each chord.



Exercises

- Write the chords in root position in the key of G major. Write the chord symbol for each above the staff.
- Rewrite the above chord progression to make it sound smoother. Add chord symbols.
- Write the chords in root position in the key of F major. Write the chord symbol for each above the staff.
- Rewrite the above chord progression to make it sound smoother. Add chord symbols.



EAR TRAINING FOR LESSONS 51-55



C/E







































Page 88 from the Student Book:

EAR TRAINING FOR LESSONS 51-55

2

5

5

UNIT

Listen to the C major chord in root position and then in 1st inversion.

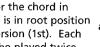
Write whether the chord in each example is in root position (R) or 1st inversion (1st). Each example will be played twice.

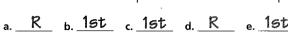
Listen to the C major chord

in root position and then in

Write whether the chord in each example is in root position

(R) or 2nd inversion (2nd). Each example will be played twice.







R ь. 2nd с._

2nd inversion.

Listen to the V⁷ chord in root, 1st, 2nd and 3rd inversions.



Write whether the V7 chord in each example is in root position (R) or 3rd inversion (3rd). Each example will be played twice.

a. 3rd

b. R

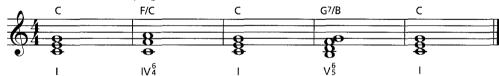
c. __R_

a. <u>3rd</u>

Listen to the chord progression in C major with all chords in root position.



Listen to the same chord progression with inversions.



You will hear I, IV and V7 root position chords in the key of C major. Write the Roman numerals 6 for the missing chords on the lines. Each example will be played twice.

IV

*Track 1 refers to the track number on Ear Training CD 2.

- Play Example 4, above.
- Play Example 5, above.



ΙV