Chords Workshop

by Mark Fowler

Based mostly on:

- 2 straight-forward articles by David Hamburger in Acoustic Guitar Magazine (August & September 2003)
 - http://acousticguitar.com/lessons/Chord_Names/1.html
 - http://acousticguitar.com/lessons/Chord_Names2/1.html
- What Makes Music Work, a book by P. Seyer, A. Novick, & P. Harmon
 - http://www.lovemusiclovedance.com/what_makes_music_work.htm
 - An amazingly simple but effective little book!!
- Chords & Progressions for Jazz and Popular Guitar, a book by Arnie Berle
- Wikipedia Entry
 - http://en.wikipedia.org/wiki/Chord_notation

Got Questions? mfowler@binghamton.edu Get Full-Size, Full-Color Handout: http://www.ws.binghamton.edu/fowler (Click on "Other")



What We'll Cover

• Part Ia

– What notes are in the "normal" chords?

• Part Ib

– What notes are in the "weird" chords?

• Part II

- How do you play the "weird" chords?

• Part III

– When do you use the "weird" chords?



Part Ia What Notes Are In The "Normal" Chords?



What is a Chord?

• <u>Three</u> or more different notes played together

What Makes a Certain Chord?

• It depends on the "Intervals" (i.e., distance) between the notes

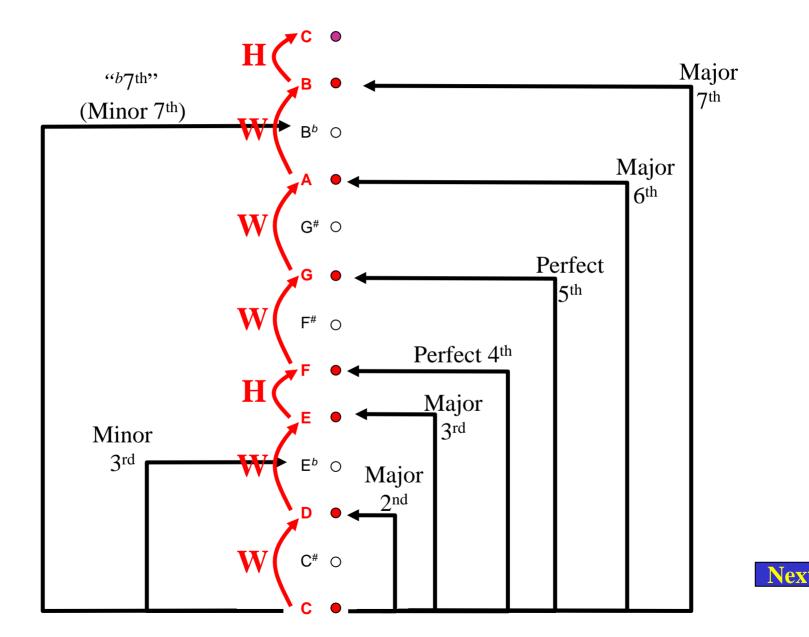
What Is an Interval?

- A measure of the distance between two notes
- Interval names are based on positions in scales
 - Actually, they are really based on the # of "half steps" between the notes

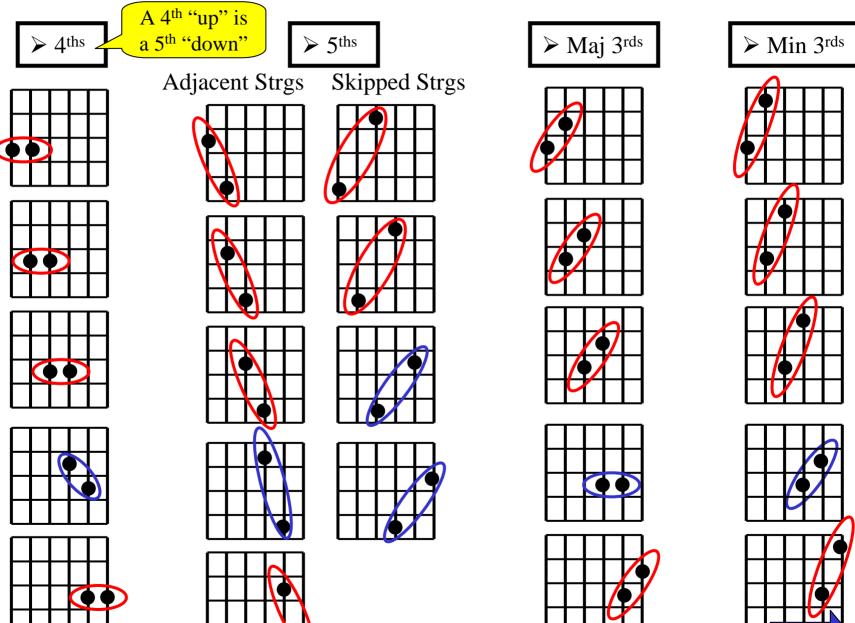
Note: 2 notes a half step apart are one fret apart



Intervals within the C Major Scale



Intervals Between Strings On The Guitar

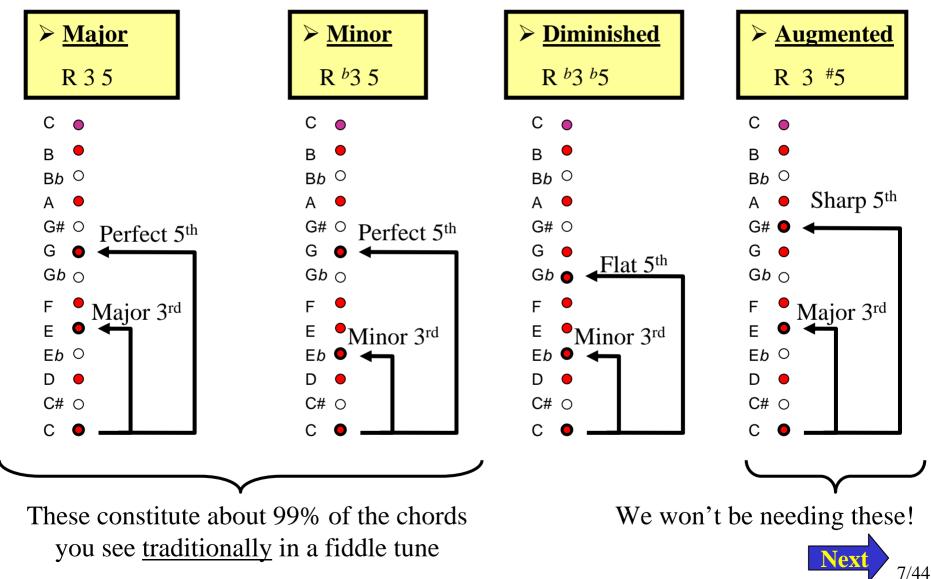


6/44

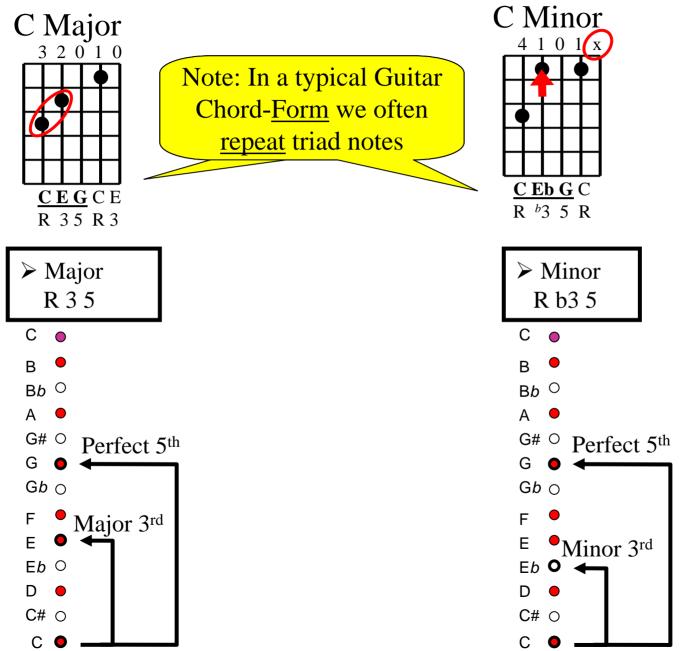
Vext

Triads – Simplest Chords

There are only 4 types of triads:



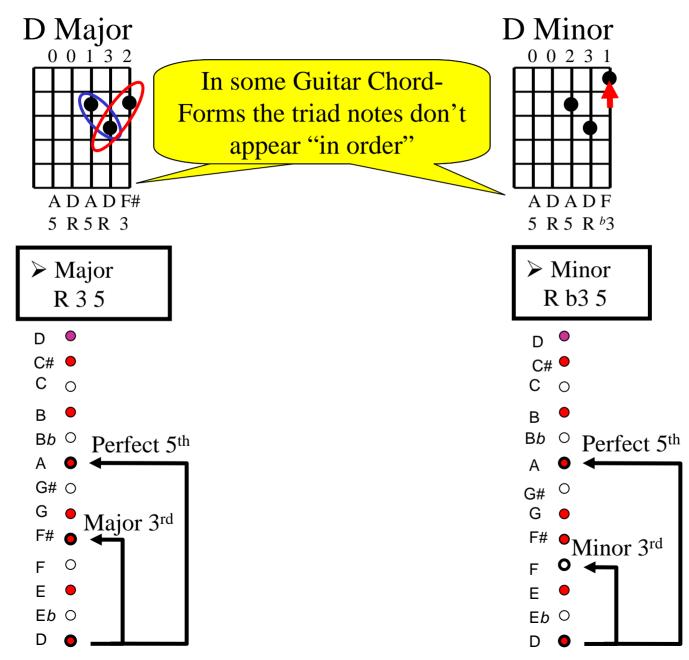
Triads-Based Guitar Chords: An Example





8/44

Triads-Based Guitar Chords: Another Example





Part Ib

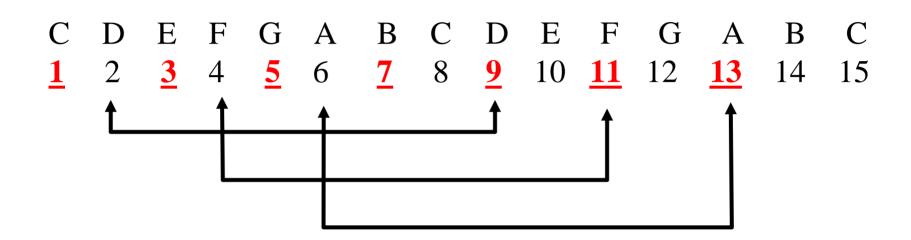
What Notes Are In These "Weird" Chords?



10/44

Bigger Intervals

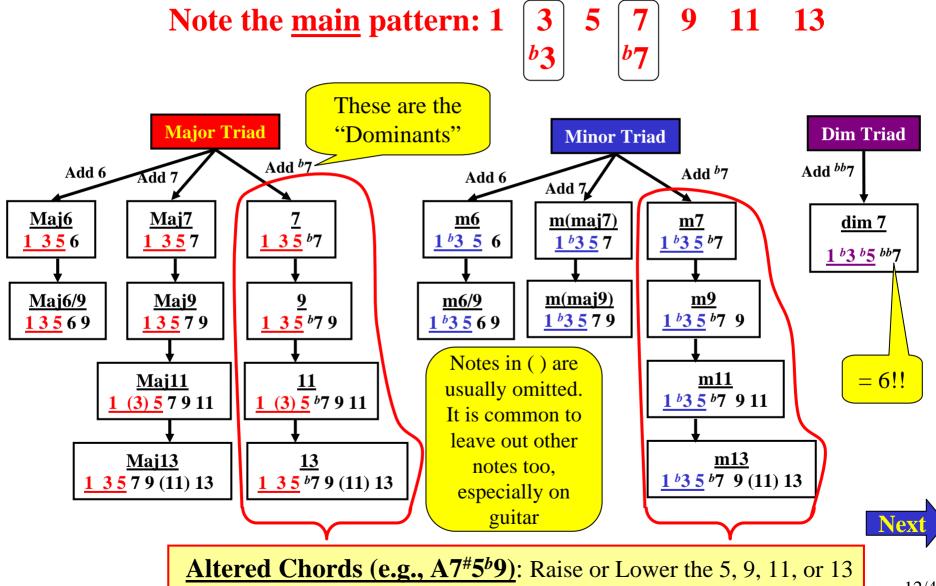
(shown relative to C in C major scale)





Nearly-Complete Jazz Chord "Family Tree"

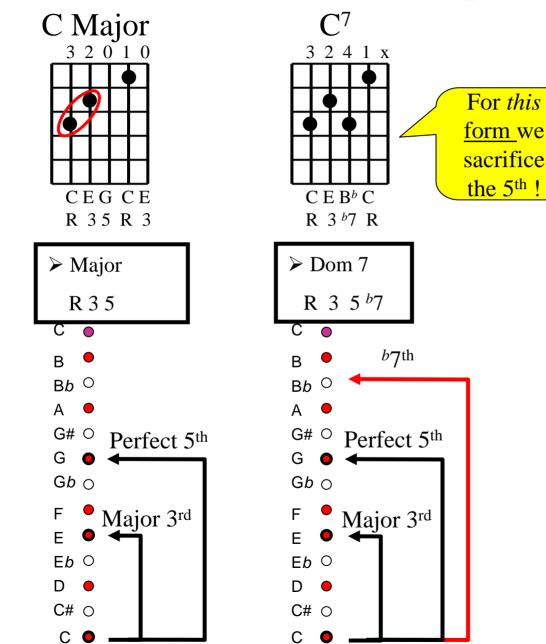
For Jazz Chords: <u>sequentially</u> add other notes to a maj/min triad

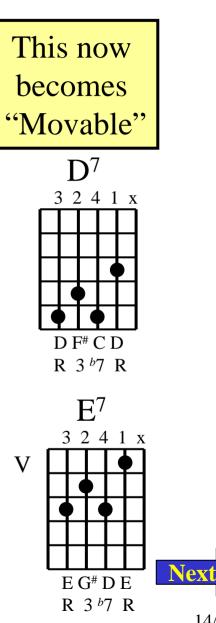


Part II How Do You Play These "Weird" Chords?

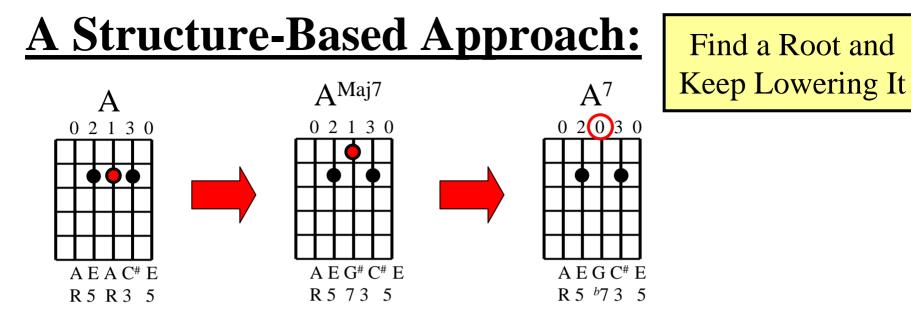


An Example

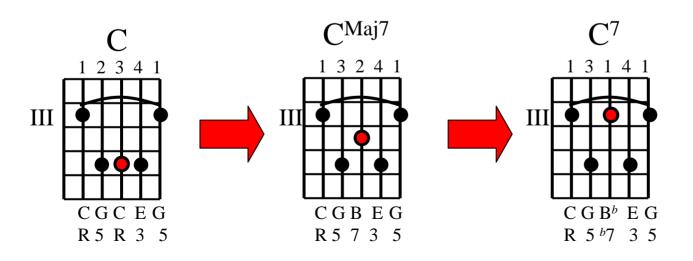




14/44



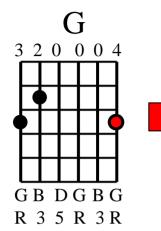
Make It Movable:

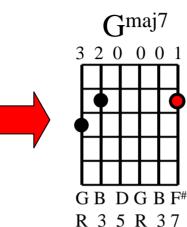


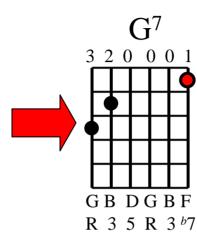


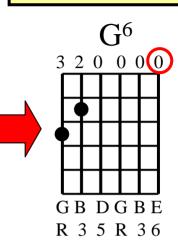
More Examples of that Rule:

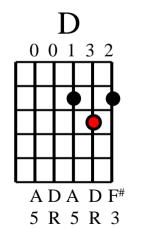
Find a Root and Keep Lowering It

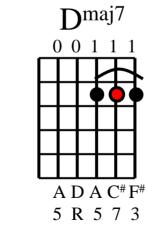


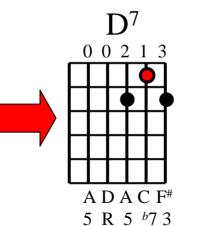


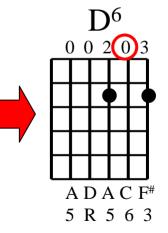








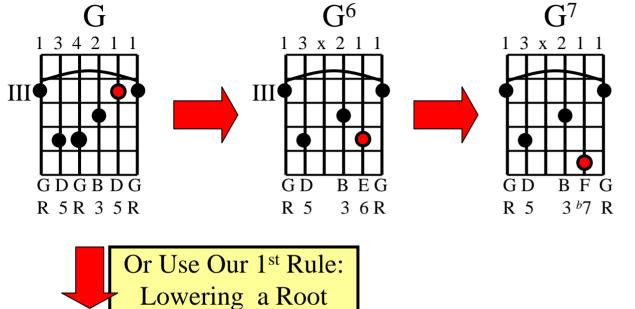


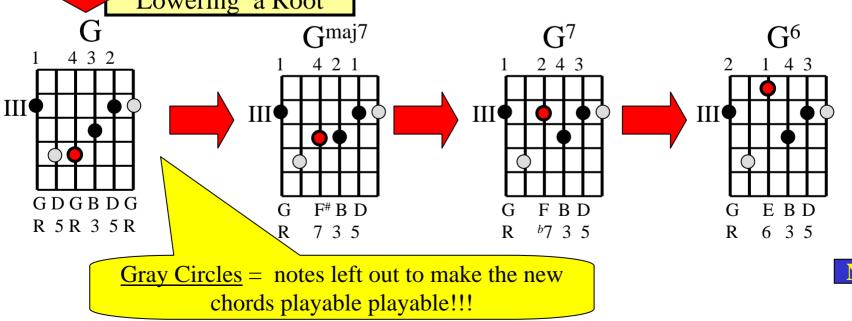






Find a 5th and Keep Raising It

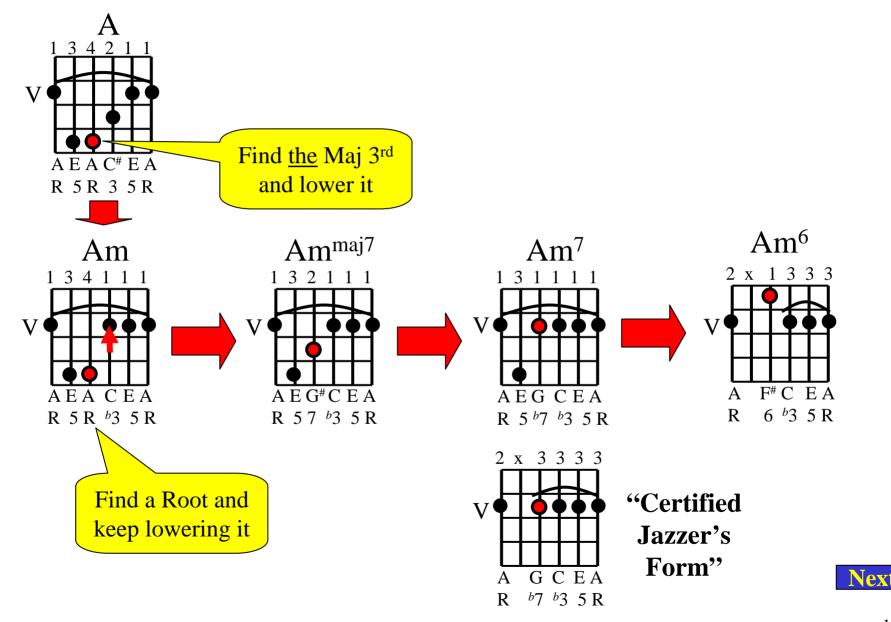




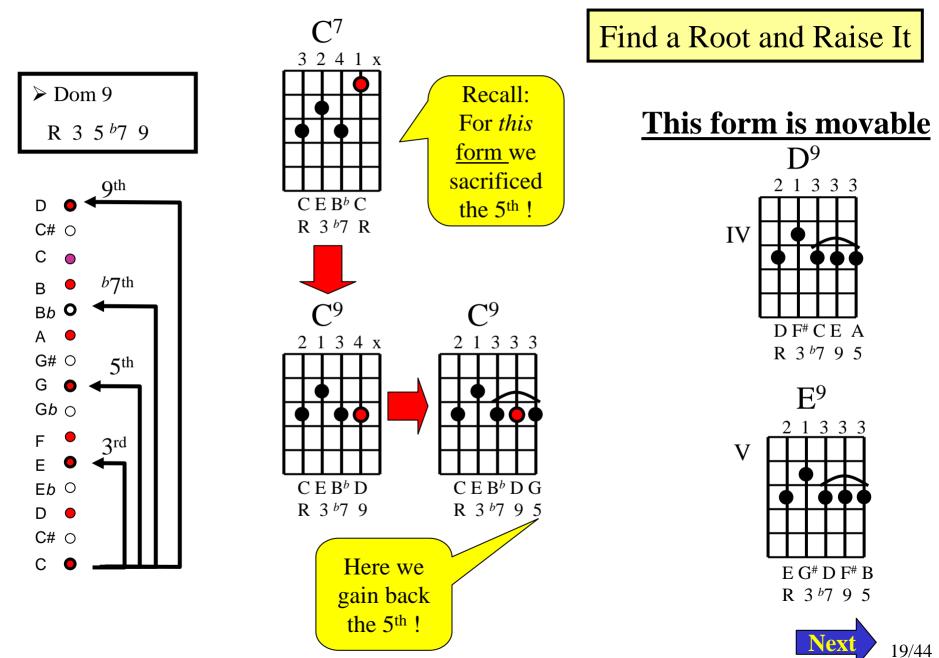
17/44

ex

And More:



Another Rule: Making the dom 9th Chord



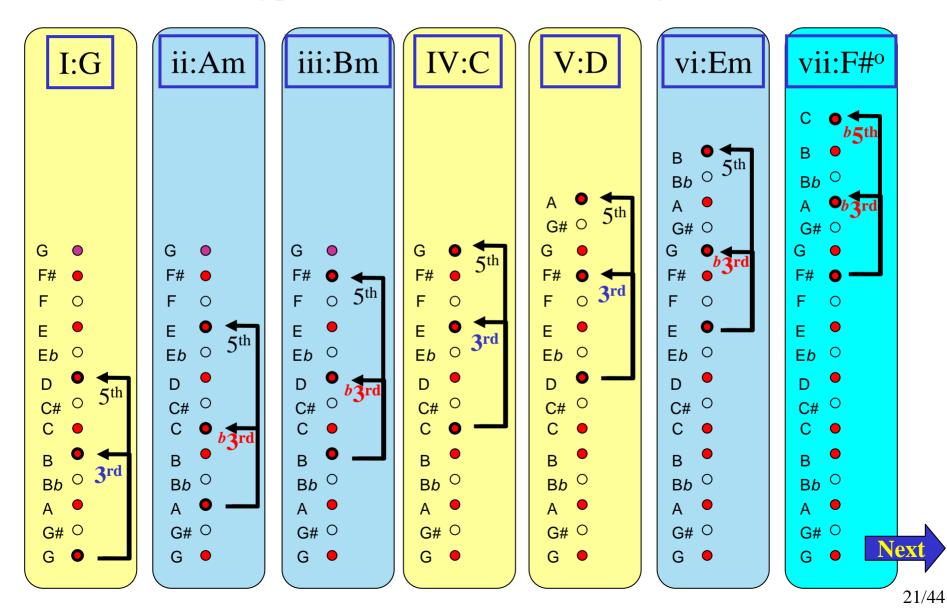
Part III How Do You Use These "Weird" Chords?



20/44

Triads Harmonize the Scale

Choose triad type so that each chord uses only scale tones



Typical Places to Use Jazz Chords

Recall: Number System for Chords (Example - Key of G)IiiiiiIVVviGAmBmCDEmF#°

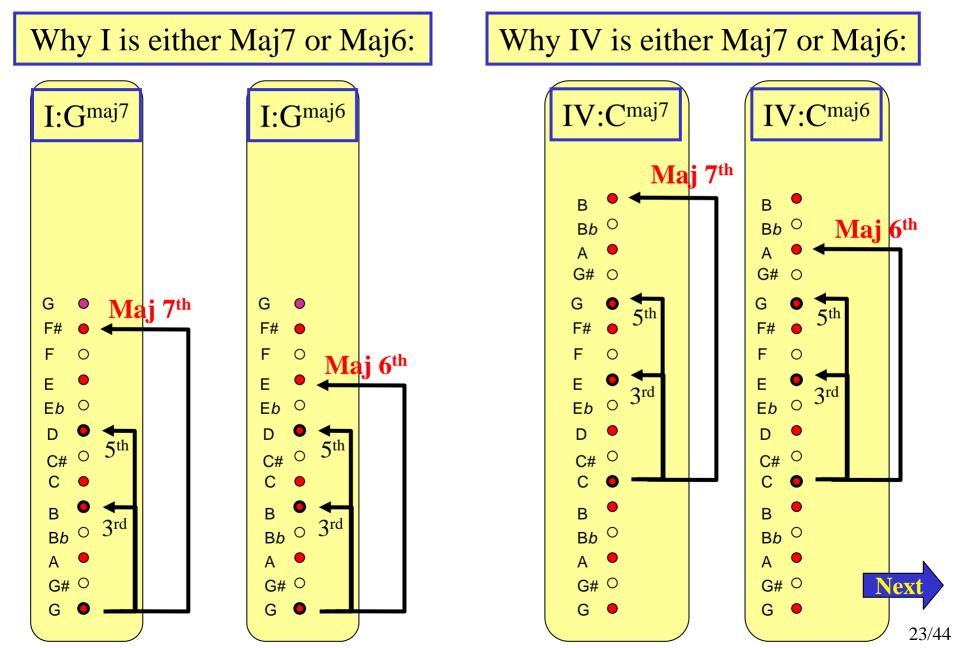
Jazzy Replacements		
Ι	Maj7, Maj6 (in blues the I is played as Dom7)	
IV	Maj7, Maj6, (in blues the IV is played as Dom7)	
V	Dom7	
ii, iii, vi	min7	

To see why... see next two slides...

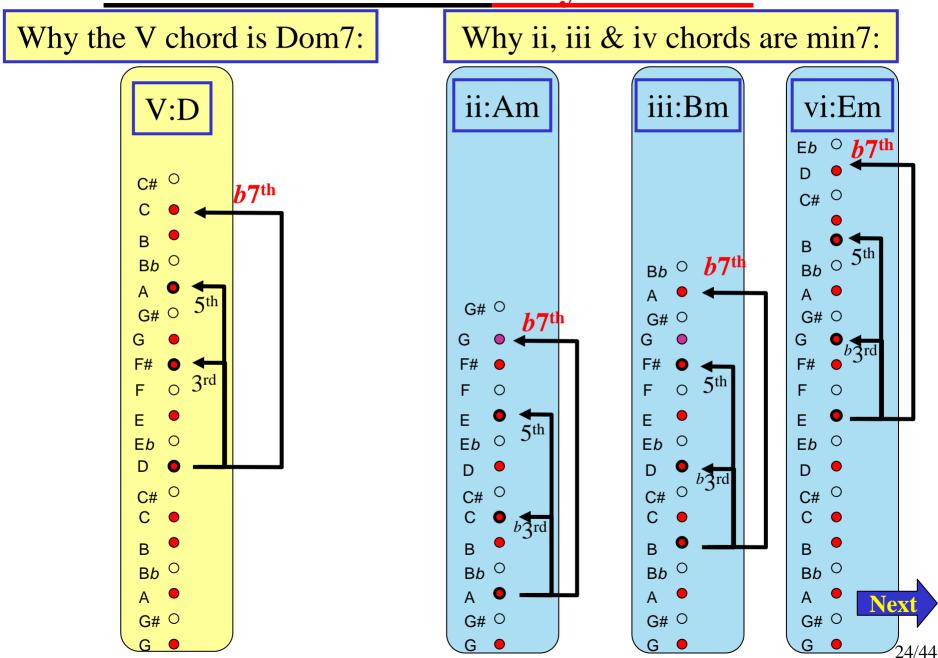
Numbered C	<mark>hords w</mark>	vith Rep	laceme	<u>nts:</u>		
Ι	ii	iii	IV	V	vi	vii
G ^{M7}	A ^{m7}	B^{m7}	C ^{M7}	\mathbf{D}^7	E^{m7}	F# ^{o7}



Pick Extensions to Stay in Scale



Pick Extensions to Stay in Scale



Golden Slippers in G: Standard Progression

Let's use our replacement rules (and a couple other jazz ideas) to spice up the chords for this tune....

A good place to start is with the V chords...



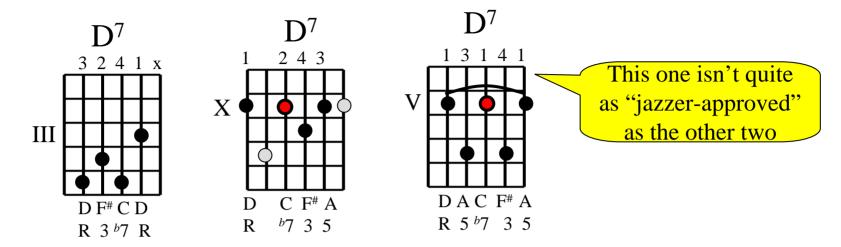
First Step: Change V to dom7

Jazzy Replacements		
Ι	Maj7, Maj6 (in blues the I is played as Dom7)	
IV	Maj7, Maj6, (in blues the IV is played as Dom7)	
V	Dom7	
ii, iii, vi	min7	

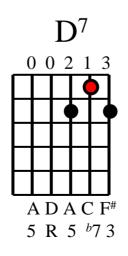
This first step doesn't make things too jazzy



Some Jazz Dom7 Chord Forms for the V in G

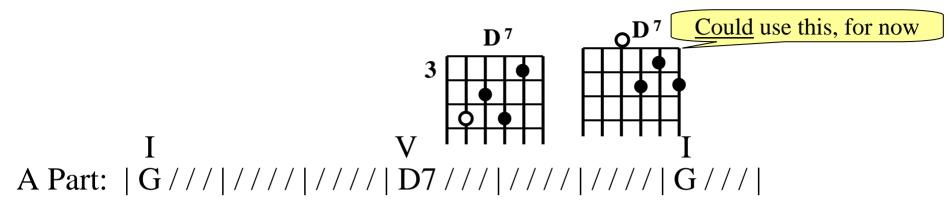


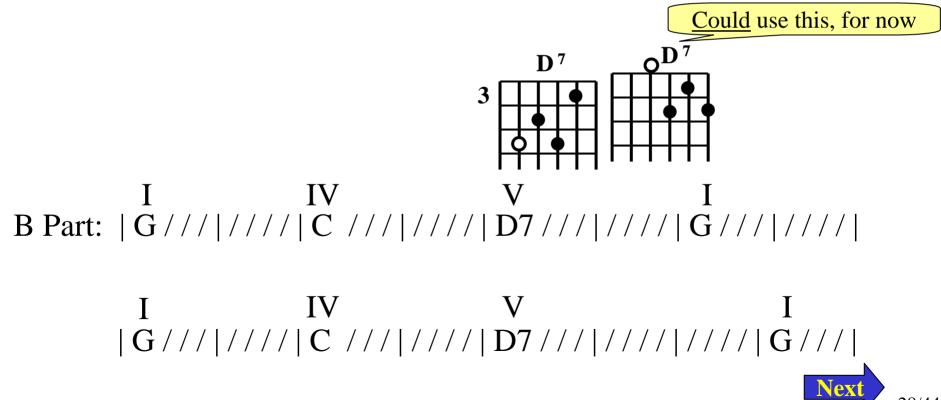
A simpler form to use for now... but it just doesn't have that nice jazz texture:





Golden Slippers in G: w/ Dom 7th on V





28/44

Second Step: Change I to Maj6

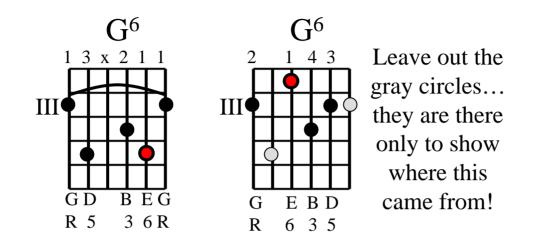
Jazzy Replacements		
Ι	Maj7, Maj6 (in blues the I is played as Dom7)	
IV	Maj7, Maj6, (in blues the IV is played as Dom7)	
V	Dom7	
ii, iii, vi	min7	

Changing the I chord to Maj7 makes things very "loungy-jazzy"... not so good for fiddle tunes.

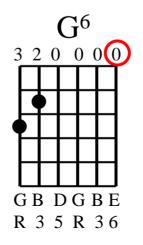
Changing the I chord to Maj6 makes things more "western-swingy-jazzy"



Some Jazz Maj6 Chord Forms for the I in G

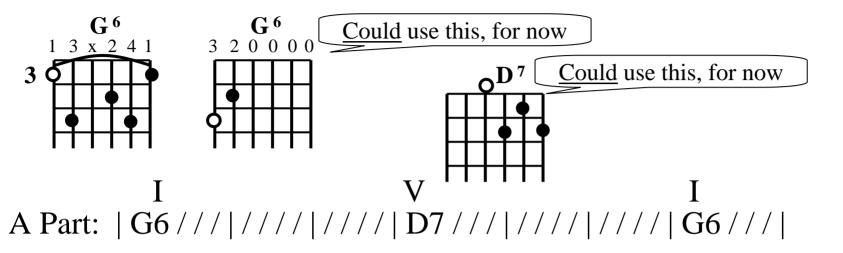


A simpler form to use for now... but it just doesn't have that nice jazz texture:





Golden Slippers in G: w/ Maj 6th on I



I IV V I B Part: |G6///|///|C//|D7///|///|G6///|///|

I IV V I | G6 / / / | / / / | C / / / | / / / | D7 / / / | / / / | G6 / / / |

31/44

3rd Step: Change IV to Maj6... with a "twist"

Jazzy Replacements		
Ι	Maj7, Maj6 (in blues the I is played as Dom7)	
IV	Maj7, Maj6, (in blues the IV is played as Dom7)	
V	Dom7	
ii, iii, vi	min7	

Changing the IV chord to Maj6 gives: $C^6 = C E G A$

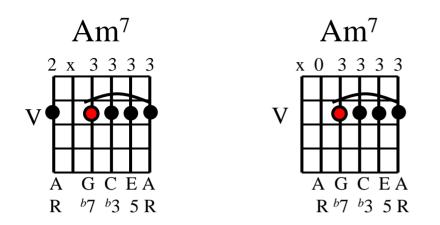
But... imagine re-arranging these same notes: A E C G

Hey... that is an A^{m7} ... which is the ii^{m7} of G!!!

Can substitute ii^{m7} for IV^{maj6}!!!



Some Jazz min7 Chord Forms for the ii in G

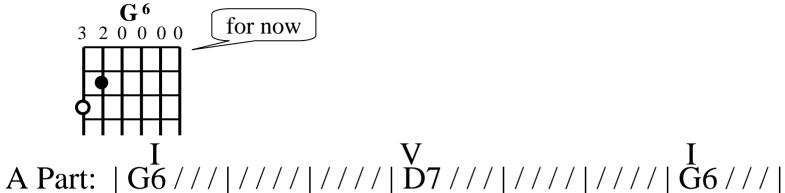


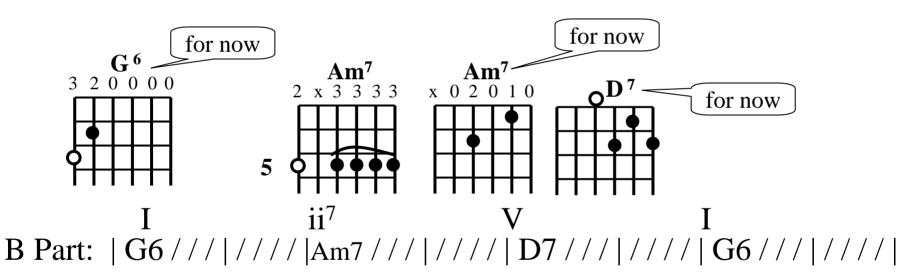
A simpler form to use for now... but it just doesn't have that nice jazz texture:





<u>Golden Slippers</u> in G: w/ ii min7th sub for IV





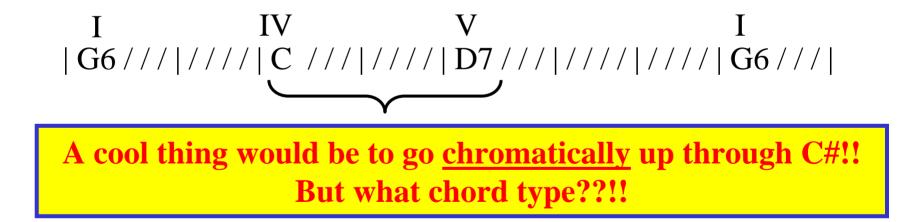
ii⁷ | G6 / / / | / / / | Am7 / / / | / / / | D7 / / / | / / / | / / / | G6 / / / |

4th Step: Insert Passing Chords

For now lets forget that we substituted ii^{m7} for IV⁶ Notice how in the B part we have IV = C going up to V = D:

I
IV
V
I

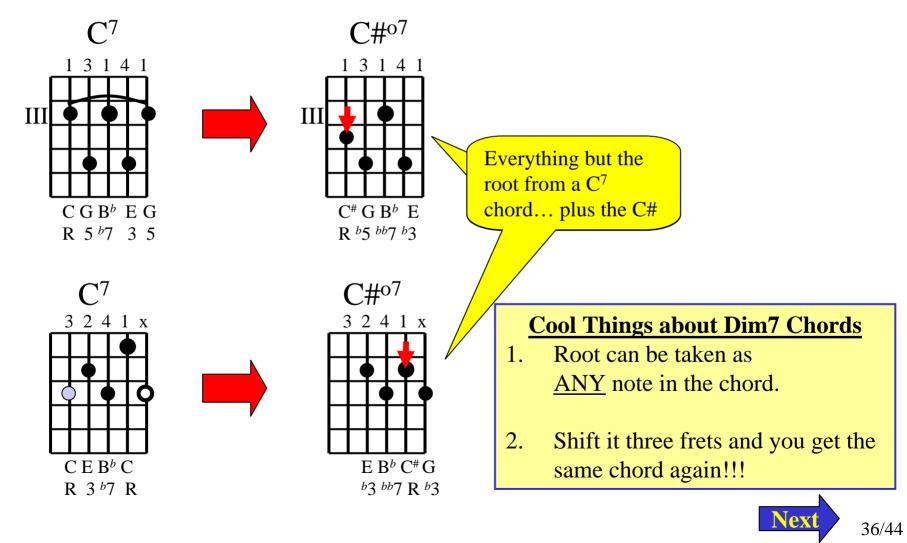
B Part:
G6 / / / | / / / | C / / | / / / | D7 / / / | / / / | G6 / / / | / / / |





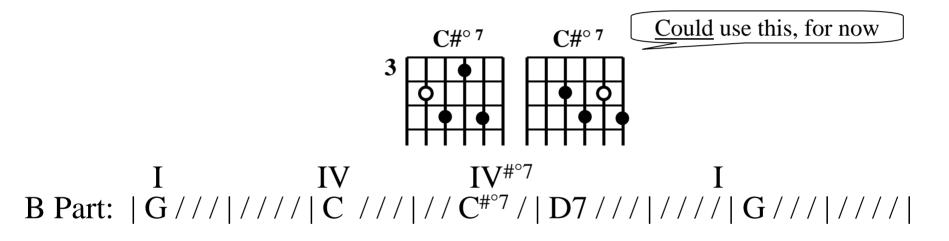
Dim7 Chord Forms

So... let's take a C7 chord and move the root up to a C# but leave everything else the same... that gives us a "passing chord" that provides some chromatic motion:



Golden Slippers in G: w/ dim7 passing chords

Example #1

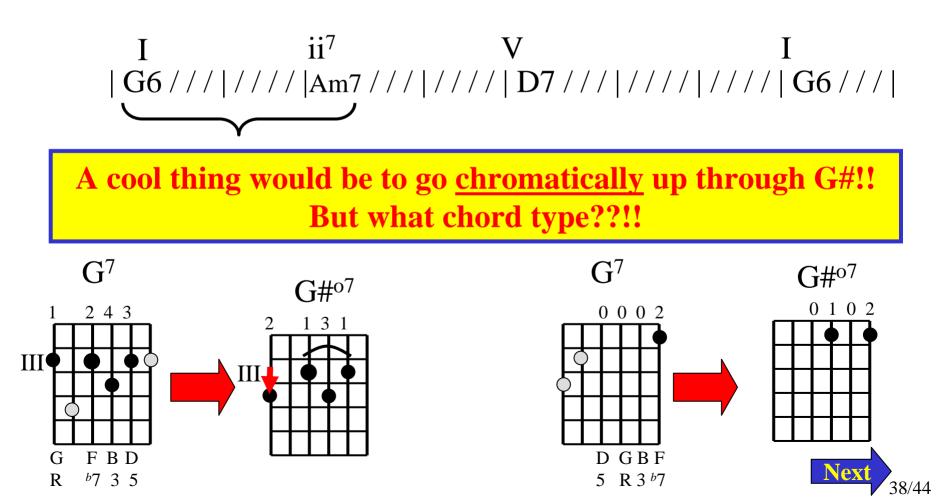




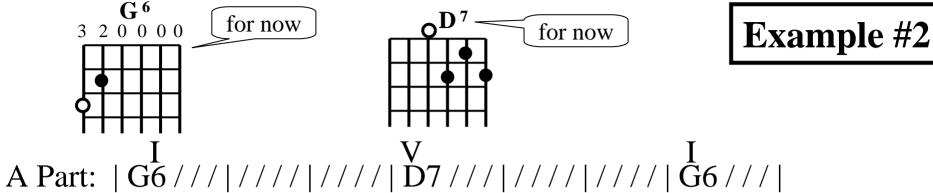
4th Step Revisited: Insert Passing Chords

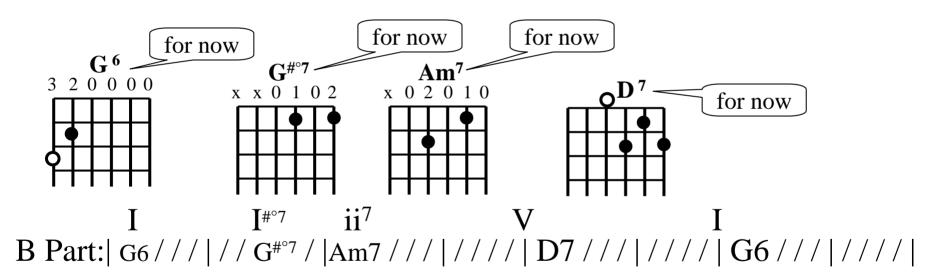
But... we substituted ii^{m7} for IV⁶... So our B part looks like this:

I ii^7 V I B Part: |G6///|///|Am7///|D7///|///|G6///|///|



Golden Slippers in G: w/ dim7 passing chords





 $I^{\#^{\circ}7}$ ii^7 V |G6 / / / | / / G^{#°7} / |Am7 / / / | / / / | D7 / / / | / / / | / / / | G6 / / / |

5th Step: Further Jazzify the Chords

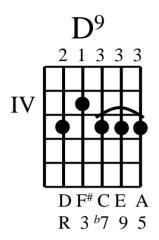
Our first step didn't make things too jazzy We made the V chords dom7...

Jazzy Replacements		
Ι	Maj7, Maj6 (in blues the I is played as Dom7)	
IV	Maj7, Maj6, (in blues the IV is played as Dom7)	
V	Dom7	
ii, iii, vi	min7	

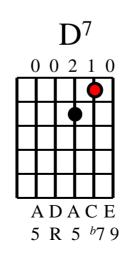
Now... to make things even jazzier... use jazzy extensions: add in the 9 (& maybe 11, 13)



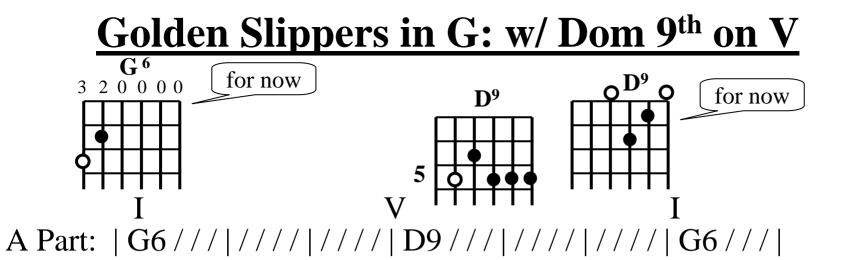
A Jazz Dom9 Chord Forms for V in G

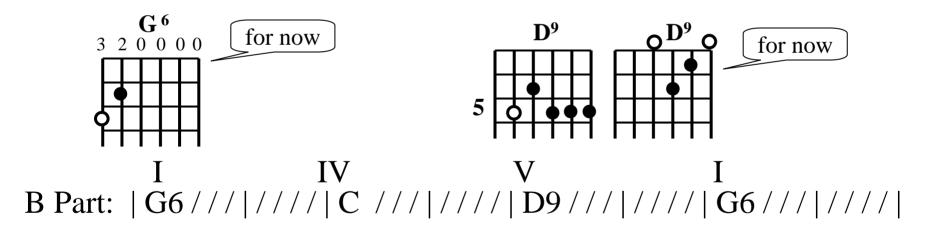


A simpler form to use for now... but it just doesn't have that jazz texture:

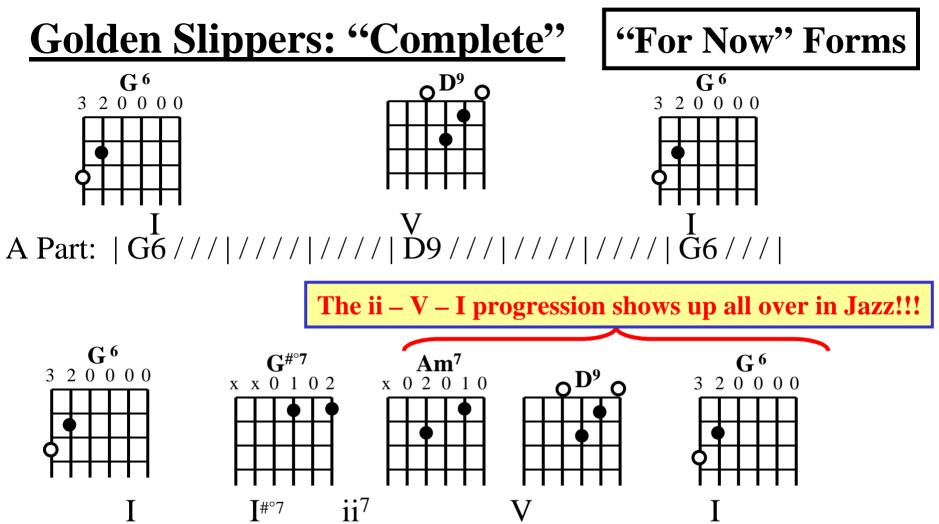




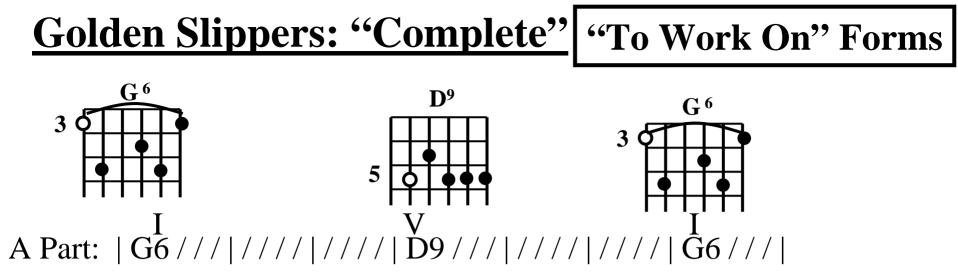


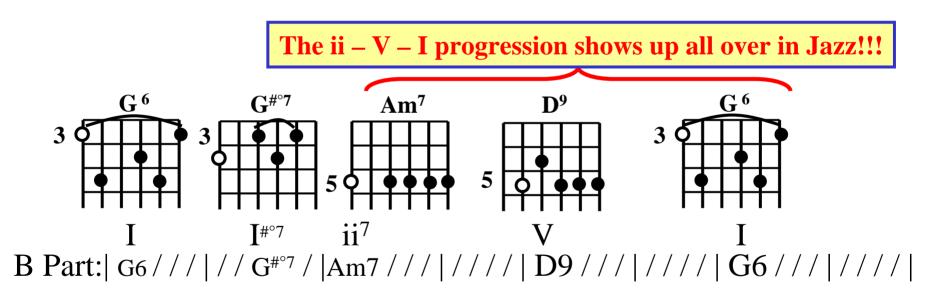


I IV V I |G6///|///|C///|D9///|////|G6///|



B Part: $|G_6///|/G^{\#^{\circ_7}}/|A_m^7///|//|D_9///|//|G_6///|///|$





STOP 44/44