

## **Harmonica Tunings that I use for playing solo: –** **(the ones I use the most are #1, #5 (the Standard Tuning), and #7)**

I use these tunings to play solo instrumental pieces (1) splitting the harmonica into 2 sections by placing and moving the tongue on the holes, as I learned from Sam Hinton, and (2) retuning the harmonica so certain songs could be played in certain positions, as I learned from Rick Epping (I learned from how to retune, and *to* retune). I play mainly in the 2nd position (see the next section below, item #3), and the 1st position, and also sometimes in the 3rd position, and very occasionally in the 5th and 7th (aka 12<sup>th</sup> position in the chromatic language) positions (I so far don't play anything in the 4th or the 6th positions, but Rick Epping sometimes uses those two positions, and well as also mainly playing in the 1st, 2nd, and 3rd positions [Sam Hinton plays almost everything in the 1st position]).

Everything I do on the harmonica I can trace to something one of these two wonderful mentors of mine has done (as well as Curt Bouterse – see the next paragraph). The first retuning and playing I did (and still the basis for most of my playing) came for a tuning Rick Epping came up with around 1968 and that I first heard him play in around 1975, of tuning the notes of the holes 5 draw and 9 draw up a half step, and then playing in the Major Scale in the 2nd position (others may have independently come up with this type of tuning, but Rick was the first one I heard play in it, and he has subsequently come up with many more tunings).

Many of these tunings may or may not be suitable for single line playing and improvising. I always play solo and I almost never play a song with a single part (any more than I would just play a right hand part on the piano), and when I did that in the past, it was because I hadn't found or made a tuning and a position to play that song in with the accompanying part. I generally play the melody on the right side and the bass notes on the left side, but I sometimes play a high drone on the right side with the melody on the *left*, making tunings so that can happen. I was inspired to do this by the Old Time musician and multi-instrumentalist Curt Bouterse, from his playing of some Old Time tunes on the ancient free-reed Asian bamboo pipes (and ironically the old ancestor of the modern harmonica), the *khean* (or sometimes spelled *kean*, or *khen*, etc.).

## Some things to note when looking at the tunings:

1. Notes in red are ones retuned from the Standard Tuning. Notes in blue in smaller type below a note are other notes that that reed could also be tuned to.
2. “Richter” in this doc will mean that the same note occurs in two different places on the harmonica – they are indicated by an underline and are in italics (and, again they are in **red** if they have been retuned from the Standard Tuning).
3. “Positions” on the harmonica are defined like this: the 1st position is the key stamped on the harmonica, and each successive 5th interval up is the next position – for example, in a harmonica coming from the factory in the key of D (not designation Majors or minors here for the keys, as they vary with the tunings:  
1st position, in the key of D, playing with that note as the first note of the scale,  
2nd position, in the key of A, playing with that note as the first note of the scale,  
3rd position, in the key of E, playing with that note as the first note of the scale,  
4th position, in the key of B, playing with that note as the first note of the scale,  
5th position, in the key of F#, playing with that note as the first note of the scale,  
6th position, in the key of C#, playing with that note as the first note of the scale,  
7th position (aka 12th position in the chromatic language), in the key of G, playing with that note as the first note of the scale  
  
- [in the key of C for reference, the 7 positions in order would be in the keys of C, G, D, A, E, B, and F].

Almost all songs, especially for solo harmonica playing, are played in the **1st**, **2nd**, and **3rd** positions. I have played one solo song each also in the **5th** position (in Tuning #1 below), and in **7th** position (aka **12th** position in the chromatic language) in Tuning #11 below. Rick Epping has also played solo in the **6th** position (see Tuning #15 below

in the Theoretical Tunings section below), and Brendon Power and Rick Epping have played in the **4th** position (see Tunings #19 and #20 in the *Theoretical Tuning Section* below towards the end of this document). [Howard Levy uses single note lines with bends and overblows, and plays in all 12 of the *chromatic* positions on the diatonic harmonica, in all 12 of the keys –but in this document reference is made to just the 7 diatonic positions].

The positions follow the 7 modes in a circle of 5ths – the mode of the 2nd position is 5 modes up from 1st position; the mode of the 3rd position is 5 modes up from 2nd position, etc.

For example in Standard Tuning, the 1st position is the Ionian Mode (Major scale),

the 2nd position is the Mixolydian Mode,

the 3rd position is the Dorian Mode,

the 4th position is the Aeolian Mode,

the 5th position is the Phrygian mode,

the 6th position is the Lochrian Mode,

and the 7th position (aka 12th position in the chromatic language) is the Lydian Mode.

- **[see the next # below for more on the modes]**

The positions would shift in the same way with each tuning.

For example if the harmonica is tuned with holes 5 & 9 tuned up a half step, so that the 2nd position is the Major scale (the Ionian Mode), then the 2nd position is the Ionian Mode (Major scale),

the 3rd position is the Mixolydian Mode,

the 4th position is the Dorian Mode,

the 5th position is the Aeolian Mode,

the 6th position is the Phrygian mode,

the 7th position is the Lochrian Mode,

and the 1st position (aka 12th position in the chromatic language) is the Lydian Mode.

4. **Modes** – taking a Major scale and making seven scales, starting the scales on each of the seven notes in the Major scale – making each of the seven notes the tonic note (the “1”)

A. – These are listed here in the key of C – relating to an octave of white notes from low to high in an octave (called “diatonic”)– and relating to each mode with what notes are altered from the Major scale (the “white note” scale with no flatted or sharped notes):

1. Ionian Mode – from C up to C - the standard Major scale with no flatted or sharped notes. The Major scale also contains the Major Pentatonic (5 note) Scale (with the 1st, 2nd, 3rd, 5th, and 6th notes, using five notes of the Major Scale – this is the main scale for Chinese traditional music, and it is also used in most of the world.

- (this mode corresponds with the C Major chord, the I chord).

2. Dorian Mode – from D up to D – with flatted 3rd and 7th notes – used in many traditional Irish tunes, such as “Drunken Sailor”; also used in some American Appalachian fiddle tunes; the English song “Greensleeves” sometimes uses the Dorian Mode (and it sometimes uses the Aeolian Mode); also often used in jazz improvisation as a scale, and especially for the chords in this mode, especially starting in the early 1960s with the work of Miles Davis (especially the KIND OF BLUE album), John Coltrane’s work in the early 1960s with pianist McCoy Tyner, and Oliver Nelson.

- Within this Mode is the often used Blues Scale, based on a minor Pentatonic (5 note) scale, with the 1st, flatted 3rd, 4th, (often adding in the sharp 4), the 5th, and the flatted 7th. The 3rd is often played as a “neutral” note, in between the flatted 3rd and the natural 3rd.

- The Major Pentatonic and minor Pentatonic Scales are related – if you play the C Major Pentatonic scale (C-D-E-G-A-C), but have the first note as the “A”, then it becomes the A minor Pentatonic Scale - so a Major Pentatonic scale is the minor Pentatonic scale of the key 3 half steps down (its relative minor); and conversely, a minor Pentatonic Scale is the Major Pentatonic Scale of the key three half steps up (its relative Major).

--- (this mode corresponds with the D minor chord, the ii chord).

3. Phrygian Mode – from E up to E - with flatted 2nd, 3rd, 6th, and 7th notes – used in Spanish music (and also in Spanish music

sometimes the 3rd is not flatted) - (this mode corresponds with the E minor chord, the iii chord).

4. Lydian Mode – from F up to F - with sharped 4th – often used in a scale in jazz improvisation from the late 1940s on - (this mode corresponds with the F Major chord, the IV chord).
  
5. Mixolydian Mode – from G up to G - with flatted 7th – used in many traditional Scottish tunes; also used in some traditional Irish and Celtic fiddle tunes, and also sometimes in Celtic airs and songs such as “She Moves Through the Fair”, and “The First Time Ever I Saw Your Face”, and also in some American Appalachian fiddle tunes; often used in a scale in jazz; also used in Latin music; and, from the 1950s and 1960s on, influenced by the Blues and the Boogie Woogie pianists, the Mixolydian Mode often became the “new I chord” with the flatted 7th note in it (and the modes would shift - often the IV chord of the key also used its flat 7th note as well [the note that would be the flatted 3rd of the I chord, changing the mode for that chord]; and the V7 chord of that key used its Major 3rd note [that note would be the Major 7th of the I chord]). This Mode (and the shifting of modes described just above) was used in many R&B, rock, and pop songs, such as: “Bo Diddley”, “Not Fade Away”, many Chuck Berry songs, “On Broadway”, “I Only Have Eyes for You”, “If I Was a Carpenter”, “We Gotta Get Out of this Place”, “Ferry Cross the Mersey”, “Five O’Clock World”, “My Generation”, “Hey Gyp”, “Hey Little One”, “The Lonely Bull”, “The Lonely Surfer”, “Watermelon Man”, “The First Time Ever I Saw Your Face” (which is a song by the late British singer **Ewan MacColl**), “Norweigan Wood,” as well as “Soul Kitchen” & “Twentieth Century Fox” (by The Doors);  
- also many songs from the 1960s used the chord progression of the I chord, to the flat VII, to the IV chord for part of the song (or sometimes for the whole song), using the flatted 7th note in the flat VII chord and giving that part of the song the feeling of the Mixolydian Mode for effect (in the key of C those chords are C, B flat, and F, and in the often used key of E they are E, D, and A);

- many songs from the 1960s also used the I chord to the flat VII chord in certain parts of the song, using the flatted 7th note and giving that part of the song the feeling of the Mixolydian Mode for effect;

- also some songs from that time started with the V to the IV chord before going to the I chord later, giving the temporary feeling of being in the Mixolydian Mode, songs such as “Respect”, and “Baby I Need Your Loving”.

--- (this mode corresponds with the G Major chord, the V chord [especially the V7th chord]).

6. Aeolian Mode – from A up to A - with flatted 3rd, 6th, and 7th; used for some traditional Irish tunes; the English song “Greensleeves” sometimes uses the Aeolian Mode (and it sometimes uses the Dorian Mode). Also, the European Harmonic minor Scale is the same as the Aeolian Mode, with the 7th note not flatted.

- (this mode corresponds with the A minor chord, the vi chord).

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7. Locrian Mode – from B up to B -with flatted 2nd, 3rd, 5th, 6th, and 7th – [it is basically the Mixolydian Mode up a Major third interval – it is not often used as a mode in itself] - (this mode corresponds with the B diminished chord, the vii diminished chord).

B. the Modes also could be organized in a “Circle of 5ths” – that is, for each 5th interval you go up, another note is flatted (these are also the seven positions for playing the diatonic harmonica):

1. C (no flats)

2. G (one flat)

3. D (two flats)

4. A (three flats)

5. E (four flats)

6. B (five flats)

7. F (in the diatonic scale this is a flatted fifth interval above the B, and it is much more convenient to just say that the 4th is sharpened)

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## **I. MAJOR SCALE TUNING GROUP:**

**1. THIS IS THE MAIN TUNING I USE** – Tuning based on the Rick Epping “5&9 Draw Raised Notes Tuning” on a 10 hole harmonica (they are holes 6 & 10 on this 12 hole harmonica) - Low D 12 hole harmonica

A. for playing in the 2nd position, in the key of A, in the Major scale - triple Richter (for playing the 1st note of the scale as a very low drone on hole 1 blow & draw with the melody higher than that; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E Major chord (the V chord), and the F# minor (the vi chord).

B. also for playing in the 3rd position, in the key of E, in the Mixolydian Mode (Major scale with flatted 7th note) - triple Richter (for playing the 4th note of the scale as a very low drone on hole 1 blow & draw with the melody higher than that; and for playing the 4th note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 6th note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

- chords (or partial chords) available in this position are the E Major chord (the I chord), the F# minor chord (the ii chord), the A Major chord (the IV chord), the C# minor chord (the vi chord), and the D Major chord (the VII chord).

C. also for playing in the 5th position, in the key of F# minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes) - triple Richter (for playing the 3rd note of the scale as a very low drone on hole 1 blow & draw with the melody higher than that; and for playing the 3rd note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the F# minor chord (the I chord), the C# minor chord (the v chord), the D Major chord (the VI), and the E Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	<u>D</u>	F#	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>D</u> - or <u>A</u>	E	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- **as of 2009 I now most often use a variation of the above tuning**, with two more Richter situations in the first two holes blow and draw: A. for playing in the 2nd position, in the key of A, in the Major scale - quadruple Richter (for playing the 4th note of the scale as a low drone on hole 1 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a low drone on hole 2 blow & draw with the melody higher than that; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E Major chord (the V chord), and the F# minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>D</u>	<u>E</u>	F#	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>D</u>	<u>E</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- I will also be using a variation of the tuning just above, on a 13 hole harmonica with five Richter situations: A. for playing in the 2nd position, in the key of A, in the Major scale - quintuple Richter (for playing the 4th note of the scale as a low drone on holes 1 draw & 2 blow with the melody higher than that; and for playing the 5th note of the scale as a low drone on holes 2 draw & 3 blow with the melody higher than that; and for playing the 6th note of the scale as a low drone on holes 3 draw & 4 blow; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E Major chord (the V chord), and the F# minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12	13
blow	<u>A</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- another 13 hole version of this tuning would be (with quintuple Richter, adding in to the 12 hole harmonica [for second position playing] the 1st note of the scale on hole 1 blow & draw) :

hole	1	2	3	4	5	6	7	8	9	10	11	12	13
blow	<u>A</u>	<u>D</u>	<u>E</u>	F#	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>A</u>	<u>D</u>	<u>E</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- **NOTE: for a normal 10 hole harmonica**, it would be the same basic tuning as the three tunings just above, without holes 1 and 12 – with single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow, with the melody higher than that).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>
draw	E	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B

Here is the same tuning converted to the key of C harmonica for comparison [*listing the tuning in the key of C for comparison will only be here in this tuning #1, not in other tunings*]:

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<b>C</b>	F	A	<b>C</b>	F	A	C	F	A	C	<b>E</b>	<b>G</b>
draw	<b>C</b>	G	<b>C</b>	E	G	<b>B</b>	D	E	G	<b>B</b>	D	<b>E</b>

- the same tuning converted to a C harmonica for comparison (for a normal 10 hole harmonica, it would be the same tuning as above, without holes 1 and 12)

hole	1	2	3	4	5	6	7	8	9	10
blow	F	A	<b>C</b>	F	A	C	F	A	C	<b>E</b>
draw	G	<b>C</b>	E	G	<b>B</b>	D	E	G	<b>B</b>	D

- ALSO: it would also be interesting to have a Cajun accordion tuned in this type of tuning (see just below) - the Cajun accordion starts with hole 2 with what is hole 1 on the harmonica, since there are buttons for the bass notes and chords on the left side of the accordion, with the bass notes of D and A, and the chords of D and A – and it would be interesting to have a third button and chord of an E note and an E chord.

hole	1	2	3	4	5	6	7	8	9	10
blow	F#	<b>A</b>	D	F#	A	D	F#	A	<b>C#</b>	<b>E</b>
draw	<b>A</b>	C#	E	<b>G#</b>	B	C#	E	<b>G#</b>	B	<b>D</b>

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## 2. Low D 10 hole harmonica - Tuning based on the Rick Epping “5&9 Draw Raised Notes Tuning”

A. for playing in the 2nd position, in the key of A, in the Major scale – double Richter (for playing the 1st note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale as a high drone on hole 9 blow & draw with the melody lower than that).

– chords (or partial chords) available in this position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E Major chord (the V chord), and the F# minor (the vi chord).

B. also for playing in the 3rd position, in the key of E, in the Mixolydian Mode (Major scale with flatted 7th note) - double Richter (for playing the 4th note of the scale as a low drone on hole 3 draw & hole 4 blow with the

melody higher than that; and for playing the 6th note of the scale as a high drone on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available in this position are the E Major chord (the I chord), the F# minor chord (the ii chord), the A Major chord (the IV chord), the C# minor chord (the vi chord), and the D Major chord (the VII chord).

C. also for playing in the 5th position, in the key of F# minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes) - double Richter (for playing the 3rd note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available in this position are the F# minor chord (the I chord), the C# minor chord (the v chord), the D Major chord (the VI), and the E Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C#</b>
draw	E	<b>A</b>	C#	E	<b>G#</b>	B	C#	E	<b>A</b>	B

3. Low D 10 hole harmonica - Tuning based on the Rick Epping "5&9 Draw Raised Notes Tuning" on a 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Major scale— double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and with the 1st note of the scale as a high drone on hole 9 blow & hole 10 draw with the melody lower than that).

- chords (or partial chords) available in this position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E Major chord (the V chord), and the F# minor (the vi chord).

B. also for playing in the 3rd position, in the key of E, in the Mixolydian Mode (Major scale with flatted 7th note) – double Richter (for playing the 4th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and with the 4th note of the scale as a high drone on hole 9 blow & hole 10 draw with the melody lower than that).

- chords (or partial chords) available in this position are the E Major chord (the I chord), the F# minor chord (the ii chord), the

A Major chord (the IV chord), the C# minor chord (the vi chord), and the D Major chord (the VII chord).

C. also for playing in the 5th position, in the key of F# minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes) – double Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and with the 5th note of the scale as a high drone on hole 9 blow & hole 10 draw with the melody lower than that).

– chords (or partial chords) available in this position are the F# minor chord (the I chord), the C# minor chord (the v chord), the D Major chord (the VI), and the E Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C#</b>
draw	E	<b>A</b>	C#	E	<b>G#</b>	B	C#	E	<b>G#</b>	<b>A</b>

4. Tuning based on the Rick Epping “5&9 Draw Raised Notes Tuning” on a 10 hole harmonica (they are holes 6 & 10 on this 12 hole harmonica) - Low D 12 hole harmonica

A. for playing in the 2nd position, in the key of A, in the Major scale - quadruple Richter (for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; for playing the 6th note of the scale as a drone on hole 2 blow & draw with the melody higher than that; for playing the 6th note of the scale as a low drone on hole 1 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 11 12 draw with the melody lower than that). Richter (for playing the 1st note of the scale as a very low drone on hole 1 blow & draw with the melody higher than that; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the A Major chord (the I chord), the F# minor (the vi chord), the E Major chord (the V chord), the D Major chord (the IV chord), and the C# minor chord (the iii chord).

B. also for playing in the 5th position, in the key of F# minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes) - quadruple Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; for playing

the 7th note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that; for playing the 3rd note of the scale as a low drone on hole 3 blow & hole 4 draw with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in this position are the F# minor chord (the I chord), the E Major chord (the VII chord), the A Major chord (the III chord), the D Major chord (the VI chord), and the C# minor chord (the v chord).

C. also for playing in the 3rd position, in the key of E, in the Mixolydian Mode (Major scale with flatted 7th note) - quadruple Richter (for playing the 1st note of the scale as a drone on hole 1 draw & hole 2 blow with the melody higher than that; for playing the 2<sup>nd</sup> note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that; for playing the 4th note of the scale as a low drone on hole 3 blow & hole 4 draw with the melody higher than that; and for playing the 6th note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

- chords (or partial chords) available in this position are the E Major chord (the I chord), the F# minor chord (the ii chord), the A Major chord (the IV chord), the D Major chord (the VII chord), and the C# minor chord (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>E</u>	<u>F#</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- a 13 hole version of this tuning [also stated in tuning #1 above] would be (with quintuple Richter, adding in to the 12 hole harmonica [for second position playing] the 4th note of the scale on hole 1 blow & hole 2 draw) :

hole	1	2	3	4	5	6	7	8	9	10	11	12	13
blow	<u>A</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- a 14 hole version of this tuning would be (with sextuple Richter, adding in to the 12 hole harmonica [for second position playing] the 4th note of the scale on hole 1 blow & hole 2 draw, and the 1st note of the scale on 3 holes: hole 1 blow & draw, & hole 2 blow) :

hole	1	2	3	4	5	6	7	8	9	10	11	12	13	14
blow	<u>A</u>	<u>A</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>A</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B	<u>C#</u>

- the 10 hole harmonica version of this tuning would be (for a normal 10 hole harmonica, it would be basically the same tuning as the 12 hole tuning above, without holes 1 and 12):

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<u>F#</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>
draw	<u>F#</u>	<u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B

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## 5. Standard Tuning (“Straight harp”), Key of A 10 hole harmonica –

A. for playing in the 1st position, in the key of A, in the Major scale - single Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the B minor chord (the ii chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), and the E Major chord (the V chord) & the E7th chord (the V7 chord).

B. also for playing in the 2nd position, in the key of E, in the Mixolydian Mode (Major scale with a flatted 7th note) – single Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the E Major chord (the I chord), the A Major chord (the IV chord), the B minor chord (the v chord), the C# minor chord (the vi chord), and the D Major chord (the VII chord).

C. also for playing in the 3rd position, in the key of B minor, in the Dorian Mode (minor with flatted 3rd and 7th notes).

- chords (or partial chords) available in this position are the B minor chord (the i chord), the C Major chord (the VII chord), the D Major chord (the III chord), and the E Major chord (the IV chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	<u>E</u>	A	C#	E	A	C#	E	A
draw	B	<u>E</u>	G#	B	D	F#	G#	B	D	F#

6. Standard Tuning (“Straight harp”), Key of A 11 hole harmonica

A. for playing in the 1st position - double Richter (for playing the 5th note of the scale in 1st position playing as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 10 blow and hole 11 draw with the melody lower than that).

- [this tuning is the same as Standard Tuning, Tuning #7 above, except the hole 11 with the high Richter – it also has the same available positions and chords as Tuning #7 above].

hole	1	2	3	4	5	6	7	8	9	10	11
blow	A	C#	<u>E</u>	A	C#	E	A	C#	E	<u>A</u>	C#
draw	B	<u>E</u>	G#	B	D	F#	G#	B	D	F#	<u>A</u>

7. Based on Standard Tuning (“Straight harp”) Key of A 10 hole harmonica - for 1st position playing, key of A, in the Major scale – double Richter (for playing the 1st note of the scale as a low drone on hole 1 blow and draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- [this tuning is the same as Standard Tuning, Tuning #7 above, except the hole 1 draw is tuned down two half steps]

A. for playing in the 1st position, in the key of A, in the Major scale - double Richter (for playing the 1<sup>st</sup> note of the scale on hole 1 blow &

draw with the melody note higher than that; and for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the B minor chord (the ii chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), and the E Major chord (the V chord) & the E7th chord (the V7 chord).

B. also for playing in the 2nd position, in the key of E, in the Mixolydian Mode (Major scale with a flatted 7th note) – double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 4th note of the scale on hole 1 blow & draw with the melody note higher than that).

- chords (or partial chords) available in this tuning are the E Major chord (the I chord), the A Major chord (the IV chord), the B minor chord (the v chord), the C# minor chord (the vi chord), and the D Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>A</u>	C#	<u>E</u>	A	C#	E	A	C#	E	A
draw	<u>A</u>	<u>E</u>	G# - or F#	B	D	F#	G#	B	D	F#

- I often also use this same tuning on a Low D harmonica:

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>D</u>	F#	<u>A</u>	D	F#	A	D	F#	A	D
draw	<u>D</u>	<u>A</u>	C# - or B	E	G	B	C#	E	G	B

A. for 1st position playing, key of D, in the Major scale – double Richter (for playing the 1st note of the scale as a low drone on hole 1 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the D Major chord (the I chord), the E minor chord (the ii chord), the F# minor chord (the iii chord), the G Major chord (the IV chord), and the A Major chord (the V7 chord) & the A7th chord (the V7 chord).

B. also for playing in the 2nd position, in the key of A, in the Mixolydian Mode (Major scale with flatted 7th note) – double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 4th note of the scale on hole 1 blow & draw with the melody note higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the D Major chord (the IV chord), the E minor chord (the v chord), the F# minor chord (the vi chord), and the G Major chord (the VII chord).

- [Also, this tuning could also be retuned for 1<sup>st</sup> position playing in the Mixolydian, Dorian, and Aeolian Modes – see tunings #16, #29, and & #34, all on the Low D harmonica].

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8. Based on Standard Tuning (“Straight harp”), Key of A 11 hole harmonica, for playing in the 1st position - triple Richter (for playing the first note on hole 1 blow & draw and playing the melody higher than that; for playing the 5th note of the scale in 1st position playing as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 10 blow and hole 11 draw with the melody lower than that;).

- [this tuning is the same as Standard Tuning, Tuning #7 above, except the hole 11 with the Richter – it also has the same available positions and chords as Tuning #7 above].

hole	1	2	3	4	5	6	7	8	9	10	11
blow	<b>A</b>	C#	<b>E</b>	A	C#	E	A	C#	E	<b>A</b>	C#
draw	<b>A</b>	<b>E</b>	G#	B	D	F#	G#	B	D	F#	<b>A</b>

- I often also use this tuning on a Low D 11 hole harmonica

hole	1	2	3	4	5	6	7	8	9	10	11
blow	<b>D</b>	F#	<b>A</b>	D	F#	A	D	F#	A	D	F#
draw	<b>D</b>	<b>A</b>	C#	E	G	B	C#	E	G	B	<b>D</b>

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8. Low D harmonica – retuned for playing in the key of **G** in the 7th position playing (aka the 12th position in the chromatic language), in the Major scale – double Richter (for playing the 1st note of the scale as a low drone on hole 2 blow & draw with the melody higher than that; and for playing

the 5th note of the scale as a drone on hole 1 blow & draw and with the melody higher than that).

- chords (or partial chords) available in this tuning are the G Major chord (the I chord), the B minor chord (the iii chord), the C Major chord (the IV chord), the D Major chord (the V chord), and the E minor chord (the vi chord) .

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>G</b>	<b>B</b>	D	F#	A	D	F#	A	<b>C</b>
draw	<b>D</b>	<b>G</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

## **II. MIXOLYDIAN MODE TUNING GROUP** (Major scale with the 7th note flatted):

9. Low D 10 hole harmonica - for playing in the 2nd position, key of A, in the Mixolydian Mode (Major scale with the 7th note flatted).– single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), and the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>A</b>	D	F#	A	D	F#	A	<b>C#</b>
draw	E	<b>A</b>	<b>C#</b>	E	G	B	<b>C#</b>	E	G	B

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>A</b>	D	F#	A	D	F#	A	<b>C#</b>
draw	<b>G</b>	<b>A</b>	<b>C#</b>	E	G	B	<b>C#</b>	E	G	B

11. Low D 12 hole harmonica - for playing in the 2nd position, key of A Mixolydian Mode (Major scale with the 7th note flatted).- triple Richter (for playing the 1st note of the scale as a drone one hole 1 blow & draw with the melody higher than that; and for playing a low drone on hole 3 draw & hole 4 blow with

the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

- [this is the same tuning as tuning #8 just above with holes 1 and 12 added – see tuning #8 just above – it also has the same available positions and chords as tuning #8 just above].

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	D	F# -or G	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>A</u>	E -or G	<u>A</u>	C#	E	G	B	C#	E	G	B	<u>C#</u>

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	D	F# -or G	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u>	<u>E</u>
draw	<u>A</u>	<u>G</u>	<u>A</u>	C#	E	G	B	C#	E	G	B	<u>C#</u>

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12. Low D 10 hole harmonica - for playing in the 2nd position, key of A Mixolydian Mode (Major scale with the 7th note flatted).– single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), , and the G Major chord (the VII chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A Major chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<u>G</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C#</u> -or D
draw	E	<u>A</u>	C#	E	G	B	C#	E	G	B

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13. Low D 10 hole harmonica - for playing in the 2nd position, key of A Mixolydian Mode (Major scale with the 7th note flatted).– double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 blow, with the melody lower than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), and the G Major chord (the VII chord).

– [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A Major chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C#</b>
draw	E	<b>A</b>	C#	E	G	B	C#	E	G	<b>A</b>

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14. Low D 10 hole harmonica - for playing in the 2nd position, key of A Mixolydian Mode (Major scale with the 7th note flatted).– double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 blow, with the melody lower than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), , and the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C#</b>
draw	E	<b>A</b>	C#	E	G	B	C#	E	G	<b>A</b>

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15. Low D 10 hole harmonica - for playing in the 2nd position, key of A, in the Mixolydian Mode (Major scale with the 7th note flatted).) – single Richter (for playing the 1st note of the scale as a drone on

hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 7<sup>th</sup> note of the scale as a low drone on hole 1 draw & hole 2 blow with the melody higher than that).).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the G Major chord (the VII chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), and the F# minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<b>A</b>	D	F#	A	D	F#	A	<b>C#</b>
draw	<b>G</b>	<b>A</b>	C#	E	G	B	C#	E	G	B

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16. Low D 10 hole harmonica – Tuning based on the Rick Epping “5&9 Draw Raised Notes Tuning” on a 10 hole harmonica

A. for playing in the 3rd position, in the key of E, in the Mixolydian Mode (Major scale with the 7th note flatted).- double Richter (for playing the 1st note of the scale as a drone on hole 1 draw & hole 2 blow with the melody higher than that; and for playing the 4th note of the scale on hole 2 draw & hole 3 blow, with the melody lower than that).

- chords (or partial chords) available in this position are the E Major chord (the I chord), the A Major chord (the IV chord), the D Major chord (the VII chord), the C# minor chord (the vi chord), and the F# minor chord (the ii chord).

B. also for playing in the 2nd position, in the key of A, in the Major Scale –  
- double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 5th note of the scale on hole 1 blow & hole 3 draw, with the melody lower than that).

- chords (or partial chords) available in this position are the A Major chord (the I chord), the E Major chord (the V chord), the D Major chord (the IV chord), the C# minor chord (the iii chord), and the F# minor chord (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>E</b>	<b>A</b>	D	F#	A	D	F#	A	<b>C#</b>
draw	<b>E</b>	<b>A</b>	C#	E	<b>G#</b>	B	C#	E	<b>G#</b>	B

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17. Low D 10 hole harmonica – Tuning based on the Rick Epping “5&9 Draw Raised Notes Tuning” on a 10 hole harmonica

A. for 1st position playing, key of D, in the Mixolydian Mode (Major scale with the 7th note flatted).– double Richter (for playing the 1st note of the scale as a low drone on hole 1 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

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- chords (or partial chords) available in this tuning are the D Major chord (the I chord), the E minor chord (the ii chord), the F# minor chord (the iii chord), the G Major chord (the IV chord), and the A minor chord (the v chord).

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B. also for playing in the 2nd position, in the key of A, in the Dorian Mode (minor scale with a flatted 3rd & 7th notes) – double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 4th note of the scale on hole 1 blow & draw with the melody note higher than that).

- chords (or partial chords) available in this tuning are the A minor chord (the i chord), the D Major chord (the IV chord), the E minor chord (the v chord), the F# minor chord (the vi chord), and the G Major chord (the VII chord).

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hole	1	2	3	4	5	6	7	8	9	10
blow	<b><u>D</u></b>	F#	<b><u>A</u></b>	D	F#	A	D	F#	A	D
draw	<b><u>D</u></b>	<b><u>A</u></b>	<b><u>C</u></b>	E	G	B	<b><u>C</u></b>	E	G	B

- I often also use this tuning on a Low D 11 hole harmonica (with an extra high Richter on holes 10 & 11):

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hole	1	2	3	4	5	6	7	8	9	10	11
blow	<b><u>D</u></b>	F#	<b><u>A</u></b>	D	F#	A	D	F#	A	D	F#
draw	<b><u>D</u></b>	<b><u>A</u></b>	C	E	G	B	C	E	G	B	<b><u>D</u></b>

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18. Low D 10 hole harmonica, retuned to play in the key of **E** – for playing in the 3rd position in the key of E in the Mixolydian Mode (Major scale with the 7th note flatted).– single Richter with the 1<sup>st</sup> note of the scale on hole 1 blow & draw.

- chords (or partial chords) available in this position are E Major (the I chord), A Major (the IV chord), D Major (the VII chord); as well as partial chords for F# minor (the ii chord), G# minor (the iii chord), B minor (the v chord), and C# minor (the vi chord)

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>E</b>	<b>G#</b>	<b>B</b>	D	F#	A	D	F#	A	D- or C#
draw	<b>E</b>	A	C#	E	<b>G#</b>	B	C#	E	<b>G#</b>	B

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### **III. DORIAN MODE TUNING GROUP (scale with flatted 3rd and 7th scale notes):**

#### 19. Low D 13 hole harmonica

A. for playing in the 2nd position, key of A minor, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – triple Richter (for playing the 1st note of the scale as a very low drone on hole 1 blow & draw with the melody higher than that; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 1st note of the scale as a high drone on hole 10 blow & draw with the melody lower or higher than that).

- chords (or partial chords) available are A minor (the I chord), C Major (the III chord), D Major (the IV chord), E minor (the v chord), and G Major (the VII chord)

B. and in the 1st position in key of D, in the Mixolydian Mode (Major scale with flatted 7th note) – triple Richter (for playing the 5th note of the scale as a drone one hole 1 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 10 blow & draw with the melody lower & higher than that).

– chords (or partial chords) available are D Major (the I chord), E minor (the ii chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

C. This tuning could also be used for playing in the 3rd position, key of E minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes)

– chords (or partial chords) available are E minor (the I chord), G Major (the III chord), A minor (the iv chord), C Major (the VI chord), and D Major (the VII chord)

D. This tuning could also be used for playing in the 7th position (aka the 12th position in the chromatic language), key of G Major, in the Major scale

– chords (or partial chords) available are G Major (the I chord), A minor (the ii chord), C Major (the IV chord), D Major (the V chord), and especially nice E minor partial chords (the vi chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10	11	12	13
blow	<u>A</u>	D	<u>G</u>	<u>A</u>	D	F#	A	D	<u>G</u> -or F#	<u>A</u>	<u>C</u>	<u>E</u>	A
draw	<u>A</u> -or E	E -or <u>G</u>	<u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	<u>A</u> -or <u>G</u>	B -or A	<u>D</u> -or B	<u>G</u>

- [for a normal 10 hole harmonica, it would be the same tuning without holes 1, 12, & 13 – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow; and for playing the 1st note of the scale on hole 9 blow & draw, with the melody played lower than that) – it would also have the same positions and available chords].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<u>G</u>	<u>A</u>	D	F#	A	D	<u>G</u> -or F#	<u>A</u>	<u>C</u>
draw	E	<u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	<u>A</u> -or <u>G</u>	B -or A

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20. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A minor, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are A minor (the I chord), C Major (the III chord), D Major (the IV chord), E minor (the v chord), and G Major (the VII chord).

B. and for playing in the 1st position in key of D, in the Mixolydian Mode (Major scale with flatted 7th note) – single Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

– chords (or partial chords) available are D Major (the I chord), E minor (the ii chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

C. This tuning could also be used for playing in the 3rd position, key of E minor, in the Aeolian mode (minor scale with flatted 3rd, 6th, & 7th notes).

– chords (or partial chords) available are E minor (the I chord), G Major (the III chord), A minor (the iv chord), C Major (the VI chord), and D Major (the VII chord).

D. This tuning could also be used for playing in the 7th position (aka the 12th position in the chromatic language), key of G Major, in the Major scale.

– chords (or partial chords) available are G Major (the I chord), A minor (the ii chord), C Major (the IV chord), D Major (the V chord), and especially nice E minor partial chords (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C</b>
draw	E	<u>A</u>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C</b>
draw	<b>G</b>	<u>A</u>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<u>A</u>	D	F#	A	D	F#	A	<b>C</b>
draw	<b>G</b>	<u>A</u>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

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21. Low D 10 hole harmonica - for playing in the 2nd position, key of A minor, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).; and for playing the 1st note of the scale on hole 9 blow & draw, with the melody lower than that).

– chords (or partial chords) available are A minor (the i chord), C Major (the III chord), D Major (the IV chord), and especially nice E minor partial chords (the v chord), G Major (the VII chord).

- [hole 2 blow is tuned up a half step so that low A and G 4ths can be played]

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C</b>
draw	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	<b>A</b>	B

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22. Low D 10 hole harmonica - for playing in the 2nd position, key of A minor, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 draw, with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (the III chord), D Major (the IV chord), and especially nice E minor partial chords (the v chord), G Major (the VII chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<b>A</b>	D	F#	A	D	F#	<b>A</b>	<b>C</b>
draw	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	<b>A</b>

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23. Low D 10 hole harmonica - for playing in the 2nd position, key of A, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 draw, with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (the III chord), D Major (the IV chord), and especially nice E minor partial chords (the v chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	<u>A</u>	<u>C</u>
draw	E	<u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	G	<u>A</u>

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24. Low D 10 hole harmonica - for playing in the 2nd position, key of A, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & draw, with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (the III chord), D Major (the IV chord), and especially nice E minor partial chords (the v chord), G Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	<u>A</u>	<u>C</u>
draw	E	<u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	<u>A</u>	B

-----

25. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A minor, in the Dorian Mode (minor scale with flatted 3rd and 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that); and for playing the 7<sup>th</sup> note of the scale as a low drone on hole 1 draw & hole 2 blow with the melody higher than that).

-chords (or partial chords) available are A minor (the i chord), G Major (the VII chord), C Major (the III chord), D Major (the IV chord), and E minor (the v chord).

B. this tuning could also be used for playing in the 3rd position, key of E minor, in the Aeolian mode (minor scale with flatted 3rd, 6th, & 7th notes).

– chords (or partial chords) available are E minor (the I chord), G Major (the III chord), A minor (the iv chord), C Major (the VI chord), and D Major (the VII chord).

C. This tuning could also be used for playing in the 7th position (aka the 12th position in the chromatic language), key of G Major, in the Major scale.

– chords (or partial chords) available are G Major (the I chord), A minor (the ii chord), C Major (the IV chord), D Major (the V chord), and especially nice E minor partial chords (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<u>G</u>	<u>A</u>	D	F#	A	D	F#	A	<u>C</u>
draw	<u>G</u>	<u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	G	B

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26. Key of A 10 hole harmonica, the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning”

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes).

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

B. and for playing in the 1st position, key of A, Major scale

- available chords (or partial chords) are A Major (the I chord), B minor (the ii chord), C# minor (the iii chord), D Major (the IV chord), and G# minor (the vii chord).

C. also for playing in the 7th position (aka 12th position in the chromatic language), key of D Major Pentatonic scale (five note scale with the 1st, 2nd, 3rd, 5th, & 6th notes, avoiding the hole 7 draw).

- available chords (or partial chords) are D Major (the I chord), A Major (the IV chord), B minor (the vi chord), and C# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	E	A	C#	E	A	C#	E	A
draw	B	<b>D</b>	<b>F#</b>	B	D	F#	G#	B	D	F#

-----

27. Key of A 10 hole harmonica, the “Rick Epping/ Ted Folsolm 2&3 Draw Lowered Tuning” – single Richter (for playing the 1st note of the scale as a low drone on hole 1 draw & hole 2 blow with the melody higher than that).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes)

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

B. **and** for playing in the 1st position, key of A, Major scale

- available chords (or partial chords) are A Major (the I chord), B minor (the ii chord), C# minor (the iii chord), D Major (the IV chord), and G# minor (the vii chord).

C. also for playing in the 7th position (aka 12th position in the chromatic language), key of D Major Pentatonic scale (five note scale with the 1st, 2nd, 3rd, 5th, & 6th notes, avoiding the hole 7 draw).

- available chords (or partial chords) are D Major (the I chord), A Major (the IV chord), B minor (the vi chord), and C# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<b>B</b>	E	A	C#	E	A	C#	E	A
draw	<b>B</b>	<b>D</b>	<b>F#</b>	B	D	F#	G#	B	D	F#

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28. Key of A 10 hole harmonica, the “Rick Epping/ Ted Folsolm 2&3 Draw Lowered Tuning” – double Richter (for playing the 1st note of the scale as a low drone on hole 1 draw & hole 2 blow with the melody higher than that; and for playing the 1st note of the scale as a high drone on hole 8 blow & draw with the melody lower than that).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes).

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<b>B</b>	E	A	C#	E	A	<b>B</b>	<b>C#</b>	<b>E</b>
draw	<b>B</b>	<b>D</b>	<b>F#</b>	B	D	F#	G#	<b>B</b>	D	F#

- and on a 12 hole harmonica it would be – triple Richter (for playing the 7th note of the scale as a low drone on hole 1 blow & draw with the melody higher than that; for playing the 1st note of the scale on hole 1 blow & draw with the melody note higher than that; and for playing the 1st note of the scale as a high drone on hole 8 blow & draw with the melody note lower or higher than that).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes).

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

:

hole	1	2	3	4	5	6	7	8	9	10	11	12
Blow	<b>A</b>	<b>B</b>	C#	E	A	C#	E	A	<b>B</b>	<b>C#</b>	<b>E</b>	<b>A</b>
draw	<b>A</b>	<b>B</b>	<b>D</b>	<b>F#</b>	B	D	F#	G#	<b>B</b>	D	F#	<b>B</b>

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29. Key of A 10 hole harmonica, the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning” – triple Richter (for playing the 1st note of the scale as a low drone on hole 1 draw & hole 2 blow with the melody higher than that; and for playing the 7th note of the scale as a high drone on hole 7 blow & draw with the melody lower than that; and for playing the 1st note of the scale as a high drone on holes 8 blow & draw with the melody lower than that).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes).

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<u>B</u>	E	A	C#	E	<u>A</u>	<u>B</u>	C#	E
draw	<u>B</u>	<u>D</u>	F#	B	D	F#	<u>A</u>	<u>B</u>	D	F#

- and on a 12 hole harmonica it would be – quadruple Richter (for playing the 7th note of the scale as a low drone on hole 1 draw & blow with the melody higher than that; and for playing the 1st note of the scale as a low drone on hole 2 blow & draw with the melody note higher than that; and for playing the 7th note of the scale as a high drone on hole 8 blow & draw with the melody note lower or higher than that; and for playing the 1st note of the scale as a high drone on hole 9 blow & draw with the melody note lower or higher than that).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes).

- available chords (or partial chords) are B minor (the I chord), A Major (the VII chord), C# minor (the ii chord), D Major (the III chord), and G# minor (the vii chord).

:

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	<u>B</u>	C#	E	A	C#	E	<u>A</u>	<u>B</u>	C#	E	<u>A</u>
draw	<u>A</u>	<u>B</u>	<u>D</u>	F#	B	D	F#	<u>A</u>	<u>B</u>	D	F#	<u>B</u>

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30. Key of A 10 hole harmonica, a variation of the “Rick Epping/ Ted Folsolm 2&3 Draw Lowered Tuning” (with hole 7 draw lowered two half steps, actually making this a just six note scale harmonica [with no 6<sup>th</sup> note of the scale present], so that it is in the key of B minor, but is actually *neither* the Dorian or the Aeolian Mode).

A. for playing in the 3rd position, key of B Minor, Dorian Mode (minor scale with flatted 3rd and 7th notes and flatted 3rd) - **and** for playing in 1st position, key of A, Major pentatonic (five note scale with the 1st, 2nd, 3rd, 5th, & 6th notes)

- in the key of B minor (3rd position playing), available chords are B minor (the I chord), and A Major (the VII chord).

B. in the key of A Major (1st position playing)

- available chords are A Major (the I chord), and B minor (the ii chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C# -or B	E	A	C#	E	A	C#	E	A
draw	B	D	F#	B	D	F#	F#	B	D	F#

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### 31. Low D 10 hole harmonica

A. for 1st position playing, key of D, in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 1 blow and draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the D minor chord (the i chord), the E minor chord (the ii chord), the F Major chord (the III chord), the G Major chord (the IV chord), and the A minor chord (the v chord).

B. also for playing in the 2nd position, in the key of A, in the Aeolian Mode (with flatted 3rd, 6th & 7th notes) – double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 4th note of the scale on hole 1 blow and hole 1 draw with the melody note higher than that).

- chords (or partial chords) available in this tuning are the A minor chord (the i chord), the D minor chord (the iv chord), the E minor chord (the v chord), the F Major chord (the VI chord), and the G Major chord (the VII chord).

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hole	1	2	3	4	5	6	7	8	9	10
blow	<u>D</u>	F	<u>A</u>	D	F	A	D	F	A	D
draw	<u>D</u>	<u>A</u>	C	E	G	B	C	E	G	B

- I often also use this tuning on a Low D 11 hole harmonica (with an extra high Richter on holes 10 & 11):

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hole	1	2	3	4	5	6	7	8	9	10	11
blow	<u>D</u>	F	<u>A</u>	D	F	A	D	F	A	D	F
draw	<u>D</u>	<u>A</u>	C	E	G	B	C	E	G	B	<u>D</u>

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#### **IV. AEOLIAN MODE TUNING GROUP (scale with flatted 3rd, 6th & 7th scale notes):**

32. Low D 10 hole harmonica - for playing in the 1st position, key of D minor, in the Japanese based Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) - double Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; for playing the 1st note of the scale on hole 7 blow & draw; and for playing the 5th note of the scale on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available are D minor (the I chord), G minor (the iv chord), and F Major (the III chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>A</b>	D	<b>F</b>	A	<b>D</b>	<b>F</b>	<b>A</b>	D
draw	E <small>-or D</small>	<b>A</b>	<b>Bb</b>	E	G	<b>Bb</b>	<b>D</b> <small>-or C#</small>	E	<b>A</b> <small>-or G</small>	<b>Bb</b>

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33. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) – double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (the III chord), D Major (the IV chord), and especially nice E minor partial chords (the v chord), F Major (the VI chord), and G Major (the VII chord).

B. and for playing in the 1st position, key of D minor, in the Dorian Mode (minor scale with flatted 3rd & 7th) - double Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 5th note of the scale on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<u><b>A</b></u> -or <u><b>B</b></u>	D	<b>F</b>	A	D	<b>F</b>	<u><b>A</b></u>	<b>C</b>
draw	E	<u><b>A</b></u>	<b>C</b>	E	G -or <u><b>A</b></u>	B	<b>C</b>	E	<u><b>A</b></u>	B

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34. Key of A 10 hole harmonica, a variation on the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning” (with hole 7 tuned down a half step).

A. for playing in the 3rd position, key of B Minor, Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes).  
 - in the key of B minor (3rd position playing), available chords are B minor (the I chord), A Major (the VII chord), and D Major (partial chord – the IV chord).

B. **and** for playing in 1st position, key of A, Mixolydian Mode (Major scale with flatted 7th note)  
 - in the key of A Major, available chords are A Major (the I chord), B minor (the ii chord), and D Major (partial chord - the IV chord).

C. and for playing in 7th position (aka 12th position in the chromatic language), key of D, Major scale  
 – in the key of D Major, available chords are D Major (partial chord - the I chord), A Major (the V chord), and B minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	E	A	C#	E	A	C#	E	A
draw	B	<b>D</b>	<b>F#</b>	B	D	F#	<b>G</b>	B	D	F#

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35. Key of A 10 hole harmonica, a variation on the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning” (with hole 7 tuned down a half step).

A. for playing in the 3rd position, key of B Minor, Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th).

- in the key of B minor (3rd position playing), available chords are B minor (the I chord), A Major (the VII chord), and D Major (partial chord – the IV chord).

B. **and** for playing in 1st position, key of A, Mixolydian Mode (Major scale with flatted 7th note)

- in the key of A Major, available chords are A Major (the I chord), B minor (the ii chord), and D Major (partial chord - the IV chord).

C. and for playing in 7th position (aka 12<sup>th</sup> position in the chromatic language), key of D, Major scale

– in the key of D Major, available chords are D Major (partial chord - the I chord), A Major (the V chord), and B minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<b>B</b>	E	A	C#	E	A	C#	E	A
draw	<b>B</b>	<b>D</b>	<b>F#</b>	B	D	F#	<b>G</b>	B	D	F#

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36. Low D 10 hole harmonica

A. for 1st position playing, key of D, in the Aeolian Mode (minor scale with flatted 3rd, 6<sup>th</sup>, & 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 1 blow and draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the D minor chord (the i chord), the partial E minor chord (the ii chord), the F Major chord (the III chord), the G minor chord (the ii chord), and the A minor chord (the v chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>F</b>	<b>A</b>	D	<b>F</b>	A	D	<b>F</b>	A	D
draw	<b>D</b>	<b>A</b>	<b>C</b>	E	G	<b>Bb</b>	<b>C</b>	E	G	<b>Bb</b>

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- I often also use this tuning on a Low D 11 hole harmonica (with an extra high Richter on holes 10 & 11):

hole	1	2	3	4	5	6	7	8	9	10	11
blow	<u>D</u>	F	<u>A</u>	D	F	A	D	F	A	D	F
draw	<u>D</u>	<u>A</u>	C	E	G	Bb	C	E	G	Bb	<u>D</u>

37. Key of A 10 hole harmonica –

A. for 1st position playing, key of A minor, in the Aeolian Mode (minor scale with flatted 3rd, 6<sup>th</sup>, & 7th notes) – double Richter (for playing the 1st note of the scale as a high drone on hole 7 blow & draw blow with the melody lower & higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the minor chord (the i chord), the partial C Major chord (the III chord), the D minor chord (the iv chord), and the F Major chord (the VI chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<u>C</u>	<u>E</u>	A	<u>C</u>	E	<u>A</u>	<u>C</u>	E	A
draw	B -or <u>A</u>	<u>E</u> -or <u>D</u>	<u>F</u>	B	D	<u>F</u>	<u>A</u>	B	D	<u>F</u>

**V. HARMONIC MINOR SCALE TUNING (scale with flatted 3rd & 6th notes, and with the Major 7th note):**

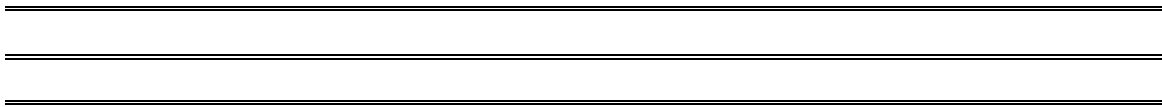
- (it could also be used for playing part of the Aeolian Mode (scale with flatted 3rd & 6th & 7th notes) by avoiding the hole 7 draw note, so that the scale would have no 7th – this tuning is used by players in Japan to play traditional songs that use the Aeolian Mode with no 7th)).

38. Key of A 10 hole harmonica - for 1st position playing, key of A minor, in the Harmonic minor scale (minor scale with flatted 3rd & 6th notes, and with the Major 7th note) - single Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), and E Major (the V chord).

- [ note: this tuning is available commercially from Lee Oskar Harmonicas and Hohner Harmonicas]

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<b>C</b>	<b>E</b>	A	<b>C</b>	E	A	<b>C</b>	E	A
draw	B	<b>E</b>	G#	B	D	<b>F</b>	G#	B	D	<b>F</b>



## THEORETICAL TUNINGS THAT I HAVEN'T ACTIVELY PLAYED, BUT THAT COULD BE USED FOR SOLO HARMONICA PLAYING:

### I. MAJOR SCALE TUNING GROUP:

#### 1. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Major scale  
 – for implying a ii minor chord (B minor in the key of A) on holes 5 & 6 draw played together - double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 6th note of the scale on hole 5 blow & draw with the melody lower than that).

A. also for playing in the 5th position, in the key of F# minor, in the Aeolian mode (minor scale with flatted 3rd, 6th, & 7th notes)  
 - double Richter (for playing the 3rd note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 5 blow & draw with the melody lower than that).

– chords (or partial chords) available in this position are the F# minor chord (the I chord), the C# minor chord (the v chord), the D Major chord (the VI), and the E Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
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blow	D	F#	<u>A</u>	D	<u>F#</u>	A	D	F#	A	<u>C#</u>
draw	E	<u>A</u>	C#	E	<u>F#</u>	B	C#	E	<u>G#</u>	B

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## 2. Low D 10 hole harmonica

A. for playing in the 1st position, key of D, in the Major scale – double Richter – (for playing the 5th note of the scale as a low drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 5th note of the scale as a high drone on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available in this tuning are the D Major chord (the I chord), the E minor chord (the ii chord), the F# minor chord (the iii chord), the G Major chord (the IV chord), the E minor chord (the v chord), and the F# minor chord (the vi chord).

B. for playing in the 2nd position, in the key of A, in the Mixolydian Mode (Major scale with a flatted 7th note) - double Richter (for playing the 1st note of the scale on hole 2 draw & hole 3 blow; and for playing the 1st note of the scale as a high drone on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E minor chord (the v chord), the F# minor chord (the vi chord), and the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	<u>A</u>	D
draw	E	<u>A</u>	C#	E	G	B	C#	E	<u>A</u>	B

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## 2. Low D 11 hole harmonica

A. for playing in the 1st position, key of D, in the Major scale – double Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 11 blow & draw with the melody lower than that).

- chords (or partial chords) available in this tuning are the D Major chord (the I chord), the E minor chord (the ii chord), the F# minor chord (the iii chord), the G Major chord (the IV chord), the A Major chord (the V chord), and the C# minor chord (the vii chord).

B. for playing in the 2nd position, in the key of A, in the Mixolydian Mode (Major scale with a flatted 7th note) - single Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), the E minor chord (the v chord), the F# minor chord (the vi chord), and the G Major chord (the VII chord).

C. also for playing in the 3rd position, in the key of E minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes)

- chords (or partial chords) available in this tuning are the E minor chord (the i chord), the D Major chord (the VII chord), the F# minor chord (the ii chord), the G Major chord (the III chord), the A Major chord (the IV chord), and the C# minor chord (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10	11
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	C#	<u>D</u>
draw	E	<u>A</u>	C#	E	G	B	C# -or D	E	G	B	<u>D</u>

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4. D Harp – Rick Epping Natural minor “S” Tuning (“S” stands for “Solo”, meaning here that the first 2 holes draw and the first 2 holes blow go up the first 5 scale notes - similar to the chromatic tuning blow 1st 3 holes and draw)

A. to play in the 6th position in the key of C, in the Major scale.

- chords (or partial chords) available in this tuning are the C Major chord (the I chord), the D minor chord (the ii chord), the E minor chord (the iii chord), the F Major chord (the IV chord), and the G Major chord (the V chord).

B. and to play in the 1st position in the key of D minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes).

- chords (or partial chords) available in this tuning the D minor chord (the i chord), the E minor chord (the ii chord), the F Major chord (the III chord), the G Major chord (the IV chord), and the C Major chord (the VII chord).

C. can also play in the 2nd position in the key of A minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, and 7th notes)

- chords (or partial chords) available in this tuning are the C Major chord (the III chord), the D minor chord (the iv chord), the E minor chord (the v chord), the F Major chord (the VI chord), and the G Major chord (the VII Chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	A	D	<b>F</b>	A	D	<b>F</b>	A	D
draw	E	<b>G</b>	<b>C</b>	E	G	B <u>-or Bb</u>	<b>C</b>	E	G	B <u>-or Bb</u>

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5. Key of A 10 hole harmonica –

A. for 1st position playing, key of A Major – double Richter (for playing the 1st note of the scale as a high drone on hole 7 blow & draw blow with the melody lower & higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

B. for playing in the 1st position, key of A Major - single Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the B minor chord (the ii chord), the partial C# minor chord (the III chord), the D Major chord (the IV chord), the E Major chord & the E Dominant 7th chord (the V chord & the V7 chord), and the F# minor chord (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	<u>E</u>	A	C#	E	<b>A</b>	C#	E	A
draw	B <u>-or A</u>	<u>E</u>	G#	B	D	F#	<b>A</b>	B	D	F#

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6. Low D 10 hole harmonica, retuned to play in the key of E – for playing in the 3rd position in the key of E in the Major scale – double Richter with the 1st note

of the scale on hole 1 blow & draw, and with the 5th note of the scale on hole 2 blow & hole 3 draw.

- chords (or partial chords) available in this position are E Major (the I chord), and B Major (the V chord), as well as partial chords for F# minor (the ii chord), G# minor (the iii chord), and C# minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>E</u>	<u>G#</u>	<u>B</u>	<u>D#</u>	F#	A	<u>D#</u>	F#	A	C#
draw	<u>E</u>	<u>B</u> -or <u>A</u>	C#	E	<u>G#</u>	B	C#	E	<u>G#</u>	B

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7. Low D 10 hole harmonica, retuned to play in the key of F – for playing in the 5th position in the key of F in the Major scale – triple Richter with the 1st note of the scale on hole 1 draw & hole 2 blow; and with the 5th note of the scale on hole 3 draw & hole 4 blow; and with the 3rd note of the scale (or could be the 4th note) on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are F Major (the I chord), G minor (the ii chord), the partial A minor (the iii chord), the partial Bb Major (the IV chord), the C Major (the V chord), and a low D minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<u>F</u>	<u>A</u> -or <u>Bb</u>	<u>C</u>	<u>F</u>	A	<u>C</u>	<u>F</u>	A	<u>C</u>
draw	<u>F</u>	<u>A</u> -or <u>Bb</u>	<u>C</u>	E	G	<u>Bb</u>	<u>D</u>	E	G	<u>Bb</u>

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8. Low D 10 hole harmonica, retuned to play in the key of C
- A. for playing in the 6th position in the key of C in the Major scale – triple Richter with the 1st note of the scale on hole 3 draw & hole 4 blow; with the 5th note of the scale on hole 2 draw & hole 3 blow; and with the 4th note of the scale on hole 1 blow & hole 2 draw.
- chords (or partial chords) available in this position are C Major (the I chord), E minor (the iii chord), F Major (the IV

chord), G Major (the V chord), and the partial A minor (the vi chord).

- B. for playing in the 7th position (aka 12<sup>th</sup> position in the chromatic language) in the key of G in the Mixolydian Mode (Major scale with a flatted 7th note) – triple Richter with the 1st note of the scale on hole 2 draw & hole 3 blow; with the 4th note of the scale on hole 3 draw & hole 4 blow; and with the flatted 7th note of the scale on hole 1 blow & hole 2 draw.

- chords (or partial chords) available in this position are G Major (the I chord), the partial A minor (the ii chord), the partial B minor (the iii chord), C Major (the IV chord), E minor (the vi chord), and F Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>C</b> <i>- or</i> <b>D</b>	<b>F</b>	<b>G</b> <i>- or</i> <b>A</b>	<b>C</b>	<b>F</b>	A	<b>C</b>	<b>F</b>	A	<b>C</b>
draw	<b>F</b>	<b>G</b> <i>- or</i> <b>A</b>	<b>C</b>	E	G	B	<b>D</b>	E	G	B

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9. Low D 10 hole harmonica, retuned to play in the key of **B**.

- A. for playing in the 4th position in the key of B in the Major scale – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.

– chords (or partial chords) available in this position are B Major (the I chord), the partial C# minor (the ii chord), the partial D# minor (the iii chord), the partial E Major (the IV chord), and the partial F# Major (the V chord).

- B. for playing in the 4th position in the key of F# in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.

– chords (or partial chords) available in this position are the partial F# Major (the I chord), the partial A# Major (the III chord), B Major (the IV chord), the partial C# minor (the v chord), the partial D# minor (the vi chord), and the partial E Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>E</b>	<b>F#</b>	<b>B</b>	<b>D#</b>	F#	<b>B</b>	<b>D#</b>	F#	<b>B</b>	<b>D#</b>
draw	<b>F#</b>	<b>B</b>	C#	E	<b>G#</b>	<b>A#</b>	C#	E	<b>G#</b>	<b>C#</b>

- this tuning could also be tuned down two half steps to the key of A (as if it was key of C harmonica in the 1st position):

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>E</b>	<b>A</b>	<b>C#</b>	E	<b>A</b>	<b>C#</b>	E	<b>A</b>	<b>C#</b>
draw	<b>E</b>	<b>A</b>	B	D	<b>F#</b>	<b>G#</b>	B	D	<b>F#</b>	<b>B</b>

A. for playing in the 4th position in the key of A in the Major scale – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.

– chords (or partial chords) available in this position are A Major (the I chord), the partial B minor (the ii chord), the partial C# minor (the iii chord), the partial D Major (the IV chord), D Major (the IV chord), and the partial E Major (the V chord).

B. for playing in the 4th position in the key of E in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.

– chords (or partial chords) available in this position are the partial E Major (the I chord), the partial G# minor (the iii chord), A Major (the IV chord), the partial C# minor (the v chord), the partial B minor (the vi chord), and the partial D Major (the VII chord).

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## **II. MIXOLYDIAN MODE TUNING GROUP** (Major scale with the 7th note flatted):

10. Key of A harp - 2&3 and 5&9 Tuning - for playing in the 3rd position, in the key of B Major, in the Mixolydian Mode (Major scale with the 7th note flatted)  
- chords (or partial chords) available are B Major (the I chord), A (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	E	A	C#	E	A	C#	E	A

draw	B	D#	F#	B	D#	F#	G#	B	D#	F#
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11. D harp – Rick Epping Mixolydian 1st position Tuning----with hole 2 draw tuned down two half steps, and with holes 3 and 7 tuned down a half step

A. to play in the 1st position in the key of D, in the Mixolydian Mode (Major scale with the 7th note flatted)

- chords (or partial chords) available in this tuning are the D Major chord (the I chord), the C Major chord (the VII chord), the E minor chord (the ii chord), the F# minor chord (the iii chord), and the G Major chord (the IV chord).

B. **and** to play in the 7th position (aka 12<sup>th</sup> position in the chromatic language) in the key of G, in the Major scale)

- chords (or partial chords) available in this tuning are the G Major chord (the I chord), the C Major chord (the IV chord), especially nice voicings for the E minor chord (the vi chord), and the F# minor chord (the iii chord).

C. to play in the 2nd position in the key of A minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes)

- chords (or partial chords) available in this tuning are the C Major chord (the III chord), the D Major chord (the IV chord), the E minor chord (the v chord), the F# minor chord (the vi chord), and the G Major chord (the VII chord).

D. to play in the 3rd position in the key of E minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes)

- chords (or partial chords) available in this tuning are the E minor chord (the I chord), the F# minor chord (the ii chord), the G Major chord (the III chord), the C Major chord (the VI chord), and the D Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	A	D	F#	A	D	F#	A	D
draw	E	G	C	E	G	B	C	E	G	B

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12. Low D 10 hole harmonica - for playing in the 2nd position, key of A, in the Mixolydian Mode (Major scale with the 7th note flatted) – single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), and the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C#</b>
draw	E	<u>A</u>	C#	E	G	B	C#	E	G	B

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C#</b>
draw	<b>G</b>	<u>A</u>	C#	E	G	B	C#	E	G	B

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13. Low D 12 hole harmonica – for playing in the 2nd position in the key of A in the Mixolydian Mode (Major scale with the 7th note flatted) - triple Richter (for playing the 1st note of the scale as a drone one hole 1 blow & draw with the melody higher than that; and for playing a low drone on hole 3 draw & hole 4 blow with the melody higher than that; and for playing the 3rd note of the scale as a high drone on hole 11 blow & hole 12 draw with the melody lower than that).

– chords (or partial chords) available in the 2nd position are the A Major chord (the I chord), the C# minor chord (the iii chord), the D Major chord (the IV chord), E minor chord (the V chord), the F# minor (the vi chord), and the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C#</b>	<b>E</b>
draw	<u>A</u>	E	<u>A</u> <i>-or G</i>	C#	E	G	B	C#	E	G	B	<b>C#</b>

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	<u>A</u>	D	F#	<u>A</u>	D	F#	A	D	F#	A	<b>C#</b>	<b>E</b>
draw	<u>A</u>	<b>G</b>	<u>A</u>	C#	E	G	B	C#	E	G	B	<b>C#</b>

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14. Key of A 10 hole harmonica –

A. for 1st position playing, key of A Major, in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter (for playing the 1st note of the scale as a high drone on hole 7 blow & draw blow with the melody lower & higher than that; and for playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- chords (or partial chords) available in this tuning are the A Major chord (the I chord), the partial B minor chord (the ii chord), the partial C# minor chord (the III chord), the E minor chord (the V chord), and & the G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	C#	<u>E</u>	A	C#	E	<u>A</u>	C#	E	A
draw	B -or A	<u>E</u>	G	B	D	G	<u>A</u>	B	D	G

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15. Low D 10 hole harmonica, retuned to play in the key of E – for playing in the 3rd position in the key of E in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter with the 1st note of the scale on hole 1 blow & draw, and with the 5th note of the scale on hole 2 blow & hole 3 draw.

- chords (or partial chords) available in this position are E Major (the I chord), and B minor (the v chord), as well as partial chords for F# minor (the ii chord), G# minor (the iii chord), and C# minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>E</u>	G#	<u>B</u>	D	F#	A	D	F#	A	C#
draw	<u>E</u>	<u>B</u> -or A	C#	E	G#	B	C#	E	G#	B

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16. Low D harmonica, retuned to play in the key of G - for playing in the 7th position (aka the 12th position in the chromatic language), key of G, in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter (for playing the 1st note of the scale as a low drone on hole 2 blow & draw with

the melody higher than that; and for playing the 5th note of the scale as a drone on hole 1 blow & draw and with the melody higher than that).

- chords (or partial chords) available in this tuning are the G Major chord (the I chord), the B partial minor chord (the iii chord), the C Major chord (the IV chord), the D minor chord (the V chord), and the E minor chord (the vi chord) .

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>G</b>	<b>B</b>	D	<b>F</b>	A	D	<b>F</b>	A	<b>C</b>
draw	<b>D</b>	<b>G</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

17. Low D 10 hole harmonica, retuned to play in the key of **E** – for playing in the 5th position in the key of F in the Mixolydian Mode (Major scale with the 7th note flatted) – triple Richter with the 1st note of the scale on hole 1 draw & hole 2 blow; and with the 5th note of the scale on hole 3 draw & hole 4 blow; and with the 3rd note of the scale (or could be the 4th note) on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are F Major (the I chord), G minor (the ii chord), the partial A minor (the iii chord), the partial Bb Major (the IV chord), the C minor (the v chord), and a low D minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>A</b> -or <b>Bb</b>	<b>C</b>	<b>F</b>	A	<b>C</b>	<b>F</b>	A	<b>C</b>
draw	<b>F</b>	<b>A</b> -or <b>Bb</b>	<b>C</b>	<b>Eb</b>	G	<b>Bb</b>	<b>D</b>	<b>Eb</b>	G	<b>Bb</b>

18. Low D 10 hole harmonica, retuned to play in the key of **C** – for playing in the 6th position in the key of C in the Mixolydian Mode (Major scale with the 7th note flatted) – triple Richter with the 1st note of the scale on hole 3 draw & hole 4 blow; with the 5th note of the scale on hole 2 draw & hole 3 blow; and with the 4th note of the scale on hole 1 blow & hole 2 draw.

- chords (or partial chords) available in this position are C Major (the I chord), E minor (the iii chord), F Major (the IV chord), G minor (the v chord), and the partial A minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>C</b> <u>-or</u> <b>D</b>	<b>F</b>	<b>G</b> <u>-or</u> <b>A</b>	<b>C</b>	<b>F</b>	A	<b>C</b>	<b>F</b>	A	<b>C</b>
draw	<b>F</b>	<b>G</b> <u>-or</u> <b>A</b>	<b>C</b>	E	G	<b>Bb</b>	<b>D</b>	E	G	<b>Bb</b>

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19. Low D 10 hole harmonica, retuned to play in the key of **B**.

A. for playing in the 4th position in the key of B in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.

– chords (or partial chords) available in this position are B Major (the I chord), the partial C# minor (the ii chord), the partial D# minor (the iii chord), the partial E Major (the IV chord), the partial F# minor (the v chord), and the partial A Major (the VII chord).

B. for playing in the 4th position in the key of F# in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.

– chords (or partial chords) available in this position are the partial F# minor (the i chord), the partial A Major (the III chord), B minor (the iv chord), the partial C# minor (the v chord), the partial D Major (the VI chord), and the partial E Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>E</b>	<b>F#</b>	<b>B</b>	D	F#	<b>B</b>	D	F#	<b>B</b>	D
draw	<b>F#</b>	<b>B</b>	C#	E	<b>G#</b>	<b>A</b>	C#	E	<b>G#</b>	<b>C#</b>

- this tuning could also be tuned down two half steps to the key of A (as if it was key of C harmonica in the 1st position):

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>E</b>	<b>A</b>	<b>C#</b>	E	<b>A</b>	<b>C#</b>	E	<b>A</b>	<b>C#</b>
draw	<b>E</b>	<b>A</b>	B	D	<b>F#</b>	<b>G</b>	B	D	<b>F#</b>	<b>B</b>

- A. for playing in the 4th position in the key of F# in the Mixolydian Mode (Major scale with the 7th note flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.
- chords (or partial chords) available in this position are A Major (the I chord), the partial B minor (the ii chord), the partial C# minor (the iii chord), the partial D Major (the IV chord), D Major (the IV chord), and the partial E minor (the v chord).
- B. for playing in the 4th position in the key of E in the Mixolydian Mode (Major scale with the 7th note flatted).– double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.
- chords (or partial chords) available in this position are the partial E minor (the i chord), the partial G Major (the III chord), A Major (the IV chord), the partial B minor (the v chord), the partial C# minor (the vi chord), and the partial D Major (the VII chord).

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### **III. DORIAN MODE TUNING GROUP (scale with flatted 3rd, & 7th scale notes):**

20. Low D 12 hole D harp - the “Rick Epping/ Ted Folsolm 2&3 Draw Lowered Tuning”

- A. for playing in the 3rd position, key of E Minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes), single Richter with the 1st note of the scale on hole 11 blow & draw **(or on hole 11 blow and hole 12 draw)**
- available chords (or partial chords) are E minor (the I chord), D Major (the VII chord), F# minor (the ii chord), G Major (the III chord), and C# minor (the vi chord).
- B. **and** for playing in 1st position, key of D, in the Major scale – single Richter (with the 2nd note of the scale on hole 11 blow & draw) **(or on hole 11 blow and hole 12 draw)**
- available chords (or partial chords) are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), and C# minor (the vii chord).
- C. And for playing in the 7th position (aka 12th position in the chromatic language), key of G, in the Major Pentatonic (5 note) scale (avoiding hole 7 draw) – single Richter (with the 3rd note

of the scale on hole 11 blow & draw) (or on hole 11 blow and hole 12 draw)

– available chords (or partial chords) are G Major (the I chord), B minor (the iii chord), D Major (the V chord), E minor (the vi chord), and F# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	D	F#	A	D	F#	A	D	F#	A	D	<u>E</u>	A -or F#
draw	E	<b>G</b>	<b>B</b>	E	G	B	C#	E	G	B	<u>E</u> -or <u>C#</u>	<u>E</u> -or <u>C#</u>

Key of D 10 hole harmonica, a variation on the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning” (with hole 7 tuned down a half step)

A. for playing in the 3rd position, key of E Minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes)

- available chords (or partial chords) are E minor (the I chord), D Major (the VII chord), F# minor (the ii chord), G Major (the III chord), and C Major (the VI chord).

a. for playing in 1st position, key of D, Mixolydian Mode (Major scale with flatted 7th note)

- available chords (or partial chords) are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), and C Major (the VII chord).

b. for playing in 7th position (aka 12th position in the chromatic language), key of G, Major scale

– available chords (or partial chords) are G Major (the I chord), B minor (the iii chord), C Major (the IV chord), D Major (the V chord), E minor (the vi chord), and F# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	D	F#	A	D	F#	A	D	F#	A	D	<u>E</u>	A -or F#
draw	E	<b>G</b>	<b>B</b>	E	G	B	<b>C</b>	E	G	B	<u>E</u> -or <u>C</u>	<u>E</u> -or <u>C</u>

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21. Key of A 10 hole harmonica –

A. for 1st position playing, key of A minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – double Richter (for playing the 1st note of the scale as a high drone on hole 7 blow & draw blow with the melody lower & higher than that; and for

playing the 5th note of the scale as a drone on hole 2 draw and hole 3 blow with the melody higher than that).

- for playing in the 1st position, key of A minor, in the Major scale - single Richter (for playing the 5th note of the scale on hole 2 draw & hole 3 blow with the melody higher than that).
- chords (or partial chords) available in this tuning are the minor chord (the i chord), the partial C Major chord (the III chord), and G Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	A	<b>C</b>	<b>E</b>	A	C	E	<b>A</b>	C	E	A
draw	B -or A	<b>E</b>	<b>G</b>	B	D	<b>G</b>	<b>A</b>	B	D	<b>G</b>

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22. Low D 10 hole harmonica, retuned to play in the key of **E minor** – for playing in the 3rd position in the key of E in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – double Richter with the 1st note of the scale on hole 1 blow & draw, and with the 5th note of the scale on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are E minor (the I chord), B minor (the v chord), D Major (the VII chord); as well as partial chords for F# minor (the ii chord), G Major (the III chord), and C# minor (the vi chord)

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>E</b>	<b>G</b>	<b>B</b>	D	F#	A	D	F#	A	D
draw	<b>E</b>	<b>B</b> -or A	C#	E	G	B	C#	E	G	B

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23. Low D harmonica, retuned to play in the key of **G** - for playing in the 7th position (aka the 12th position in the chromatic language), key of G, in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 2 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 1 blow & draw and with the melody higher than that).

- chords (or partial chords) available in this tuning are the G minor chord (the i chord), the Bb Major chord (the III chord), the C Major chord (the IV chord), the D minor chord (the v chord), and the F Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b><u>D</u></b>	<b><u>G</u></b>	<b>Bb</b>	D	<b>F</b>	A	D	<b>F</b>	A	<b>C</b>
draw	<b><u>D</u></b>	<b><u>G</u></b>	<b>C</b>	E	G	<b>Bb</b>	<b>C</b>	E	G	<b>Bb</b>

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24. Low D 10 hole harmonica, retuned to play in the key of **F** – for playing in the 5th position in the key of F in the Dorian Mode (minor scale with flatted 3rd & 7th notes) – triple Richter with the 1st note of the scale on hole 1 draw & hole 2 blow; and with the 5th note of the scale on hole 3 draw & hole 4 blow; and with the 3rd note of the scale (or could be the 4th note) on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are F minor (the I chord), G minor (the ii chord), the partial Ab Major (the III chord), the partial Bb Major (the IV chord), the C minor (the v chord), and a low D minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b><u>F</u></b>	<b><u>Ab</u></b> <small>-or Bb</small>	<b><u>C</u></b>	F	<b>Ab</b>	<b>C</b>	F	<b>Ab</b>	<b>C</b>
draw	<b><u>F</u></b>	<b><u>Ab</u></b> <small>-or Bb</small>	<b><u>C</u></b>	<b>Eb</b>	G	<b>Bb</b>	<b>D</b>	<b>Eb</b>	G	<b>Bb</b>

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25. Low D 10 hole harmonica, retuned to play in the key of **C** – for playing in the 6th position in the key of C in the Dorian Mode (minor scale with flatted & 3rd & 7th notes) – triple Richter with the 1st note of the scale on hole 3 draw & hole 4 blow; with the 5th note of the scale on hole 2 draw & hole 3 blow; and with the 4th note of the scale on hole 1 blow & hole 2 draw.

- chords (or partial chords) available in this position are C minor (the I chord), E Major (the III chord), F Major (the IV chord), G minor (the v chord), and the partial A minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>C</b>	<b><u>F</u></b>	<b><u>G</u></b>	<b><u>C</u></b>	<b>F</b>	A	<b>C</b>	<b>F</b>	A	<b>C</b>

	<u>- or</u> <u>D</u>		<u>- or</u> <u>A</u>							
draw	<u>F</u>	<u>G</u> <u>- or</u> <u>A</u>	<u>C</u>	<u>E<sup>b</sup></u>	G	<u>B<sup>b</sup></u>	<u>D</u>	<u>E<sup>b</sup></u>	G	<u>B<sup>b</sup></u>

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26. Low D 10 hole harmonica, retuned to play in the key of B.

- A. for playing in the 4th position in the key of B in the Dorian Mode (minor scale with the 3rd & 7th notes flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.
- chords (or partial chords) available in this position are B minor (the i chord), the partial C# minor (the ii chord), the partial D Major (the III chord), the partial E Major (the IV chord), the partial F# minor (the v chord), and the partial A Major (the VII chord).
- B. for playing in the 4th position in the key of F# in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) – double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.
- chords (or partial chords) available in this position are the partial F# minor (the i chord), the partial A Major (the III chord), B minor (the iv chord), the partial C# minor (the v chord), the partial D Major (the VI chord), and the partial E Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>E</u>	<u>F#</u>	<u>B</u>	D	F#	<u>B</u>	D	F#	<u>B</u>	D
draw	<u>F#</u>	<u>B</u>	C#	E	<u>G#</u>	<u>A</u>	C#	E	<u>G#</u>	<u>C#</u>

- this tuning could also be tuned down two half steps to the key of A (as if it was key of C harmonica in the 1st position):

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>D</u>	<u>E</u>	<u>A</u>	C	E	<u>A</u>	C	E	<u>A</u>	C
draw	<u>E</u>	<u>A</u>	B	D	<u>F#</u>	<u>G</u>	B	D	<u>F#</u>	<u>B</u>

- A. for playing in the 4th position in the key of F# in the Dorian Mode (minor scale with the 3rd & 7th notes flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2

blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.

– chords (or partial chords) available in this position are A minor (the I chord), the partial B minor (the ii chord), the partial C Major (the III chord), the partial D Major (the IV chord), the partial E minor (the v chord), and the G Major (the VII chord).

B. for playing in the 4th position in the key of E in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) – double Richter with the 1st note of the scale on hole 2 draw & hole 3 blow and with the 5th note of the scale on hole 1 draw & hole 2 blow.

– chords (or partial chords) available in this position are the partial E minor (the I chord), the partial G Major (the III chord), A Major (the IV chord), the partial B minor (the v chord), the partial C# minor (the vi chord), and the partial D Major (the VII chord).

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#### **IV. AEOLIAN MODE TUNING GROUP (scale with flatted 3rd, 6th & 7th scale notes):**

27. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) - single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), F Major (the VI chord), and G Major (the VII chord).

B. and for playing in the 1st position Dorian Mode (with flatted 3rd & 6th notes) - single Richter – single Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

- (this tuning is also called “Natural Minor Tuning” [except that the hole 10 is lowered two half steps from the Natural minor Tuning], and harmonicas in this tuning are available from Lee Oskar Harmonicas).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>A</b>	D	<b>F</b>	A	D	<b>F</b>	A	<b>C</b>
draw	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

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### 28. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) - double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 6th note of the scale on hole 2 blow & hole 1 draw with the melody note higher than that).

- chords (or partial chords) available are A minor (the i chord), F Major (the VI chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), and G Major the VII chord).

B. and for playing in the 1st position Dorian Mode (with flatted 3rd & 6th notes) - single Richter – single Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are D minor (the I chord), F Major (the III chord), E minor (the ii chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

- (this tuning is also called “Natural Minor Tuning” [except that the hole 10 is lowered two half steps from the Natural minor Tuning], and harmonicas in this tuning are available from Lee Oskar Harmonicas).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>A</b>	D	<b>F</b>	A	D	<b>F</b>	A	<b>C</b>
draw	<b>F</b>	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

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29. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6<sup>th</sup>, & 7th notes) – single Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), F Major (the VI chord), and G Major the VII chord).

B. and for playing in the 1st position Dorian Mode (minor scale with flatted 3rd & 6th notes) - single Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that).

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<b>A</b>	D	<b>F</b>	A	D	<b>F</b>	A	<b>C</b>
draw	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	G	B

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30. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th scale notes) - double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), F Major (the VI chord), and G Major the VII chord).

B. and for playing in the 1st position Dorian Mode (minor scale with flatted 3rd & 7th notes) - double Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & draw with the melody lower than that).

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<u><b>A</b></u>	D	<b>F</b>	A	D	<b>F</b>	<u><b>A</b></u>	<b>C</b>
draw	E	<u><b>A</b></u>	<b>C</b>	E	G	B	<b>C</b>	E	<b>A</b>	B

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31. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) - double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 draw with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), F Major (the VI chord), and G Major (the VII chord).

B. and for playing in the 1st position Dorian Mode (minor scale with flatted 3rd & 6th notes) - double Richter (for playing the 5th note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 5th note of the scale on hole 9 blow & hole 10 draw with the melody lower than that).

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<u><b>A</b></u>	D	<b>F</b>	A	D	<b>F</b>	<u><b>A</b></u>	<b>C</b> -or <b>D</b>
draw	E	<u><b>A</b></u>	<b>C</b>	E	G	B	<b>C</b>	E	<b>G</b>	<u><b>A</b></u>

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32. Low D 10 hole harmonica

A. for playing in the 2nd position, key of A, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) - double Richter (for playing the 1st note of the scale as a drone on hole 2 draw & hole 3 blow with the melody higher than that; and for playing the 1st note of the scale on hole 9 blow & hole 10 draw with the melody lower than that).

- chords (or partial chords) available are A minor (the i chord), C Major (III chord), D minor (the iv chord), E minor (the v chord), F Major (the VI chord), and G Major the VII chord).

B. and for playing in the 1st position Dorian Mode (minor scale with flatted 3rd & 6th notes) - single Richter

- chords (or partial chords) available are D minor (the I chord), E minor (the ii chord), F Major (the III chord), G Major (the IV chord), A minor (the v chord), and C Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>A</b>	D	<b>F</b>	A	D	<b>F</b>	<b>A</b>	<b>C</b>
draw	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	<b>G</b>	<b>A</b>

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33. Low D 13 hole harmonica - for playing in the 2nd position, key of A minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes) – triple Richter (for playing the 1st note of the scale as a very low drone one hole 1 blow & draw; and for playing the 1st note of the scale as a low drone on hole 3 draw & hole 4 blow; and for playing the 1st note of the scale as a high drone on hole 11 blow & hole 12 draw [or “on holes 11 blow & draw”] with the melody lower & higher than that).

- [hole 2 blow is tuned up a half step so that a low G partial chord can be played, in addition to the low A minor chord].

hole	1	2	3	4	5	6	7	8	9	10	11	12	13
blow	<b>A</b>	D	<b>G</b>	<b>A</b>	D	<b>F</b>	A	D	<b>G</b>	<b>A</b>	<b>C</b>	<b>E</b>	A
draw	<b>A</b>	E	<b>A</b>	<b>C</b>	E	G	B	<b>C</b>	E	<b>A</b>	B	<b>D</b>	<b>G</b>
										-or <b>G</b>	-or <b>A</b>	-or <b>B</b>	-or <b>F</b>

- [for a normal 10 hole harmonica, it would be the same tuning without holes 1, 12, & 13 –double Richter]

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>G</b>	<u><b>A</b></u>	D	<b>F</b>	A	D	<b>G</b> -or <b>F</b>	<u><b>A</b></u>	<b>C</b>
draw	E	<u><b>A</b></u>	<b>C</b>	E	G	B	<b>C</b>	E	<u><b>A</b></u> -or <b>G</b>	B -or <b>A</b>

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34. Key of D 10 hole harmonica, a variation on the “Rick Epping/ Ted Folsom 2&3 Draw Lowered Tuning” (with hole 7 tuned down a half step)

A. for playing in the 3rd position, key of E Minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes)

- available chords (or partial chords) are E minor (the I chord), D Major (the VII chord), F# minor (the ii chord), G Major (the III chord), and C Major (the VI chord).

B. for playing in 1st position, key of D, Mixolydian Mode (Major scale with flatted 7th note)

- available chords (or partial chords) are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), and C Major (the VII chord).

C. for playing in 7th position (aka 12th position in the chromatic language), key of G, Major scale

- available chords (or partial chords) are G Major (the I chord), B minor (the iii chord), C Major (the IV chord), D Major (the V chord), E minor (the vi chord), and F# minor (the vii chord).

hole	1	2	3	4	5	6	7	8	9	10	11	12
blow	D	F#	A	D	F#	A	D	F#	A	D	<b>E</b>	A -or <b>F#</b>
draw	E	<b>G</b>	<b>B</b>	E	G	B	<b>C#</b> -or <u><b>C</b></u>	E	G	B	<u><b>E</b></u> -or <u><b>C</b></u>	<u><b>E</b></u> -or <u><b>C</b></u>

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35. Low D 10 hole harmonica, retuned to play in the key of **E minor** – for playing in the 3rd position in the key of E in the Aeolian Mode (minor

scale with flatted 3rd, 6th & 7th notes) – double Richter with the 1st note of the scale on hole 1 blow & draw, and with the 5th note of the scale on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are E minor (the I chord), D Major (the VII chord); as well as partial chords for F# minor (the ii chord), G Major (the III chord), B minor (the v chord), and C Major (the VI chord)

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>E</u>	<u>G</u>	<u>B</u>	D	F#	A	D	F#	A	D
draw	<u>E</u>	<u>B</u> -or <u>A</u>	<u>C</u>	E	G	B	<u>C</u>	E	G	B

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 36. Low D harmonica, retuned to play in the key of G - for playing in the 7th position (aka the 12th position in the chromatic language), key of G, in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) – double Richter (for playing the 1st note of the scale as a low drone on hole 2 blow & draw with the melody higher than that; and for playing the 5th note of the scale as a drone on hole 1 blow & draw and with the melody higher than that).

- chords (or partial chords) available in this tuning are the G minor chord (the i chord), the Bb Major chord (the III chord), the C minor chord (the iv chord), the D minor chord (the v chord), the Eb Major chord (the VI chord), and the F Major chord (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<u>D</u>	<u>G</u>	<u>Bb</u>	D	<u>F</u>	A	D	<u>F</u>	A	<u>C</u>
draw	<u>D</u>	<u>G</u>	<u>C</u>	<u>Eb</u>	G	<u>Bb</u>	<u>C</u>	<u>Eb</u>	G	<u>Bb</u>

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 37. Low D 10 hole harmonica, retuned to play in the key of F – for playing in the 5th position in the key of F in the Aeolian Mode (minor scale with flatted 3rd, 6th & 7th notes) – triple Richter with the 1st note of the scale on hole 1 draw & hole 2 blow; and with the 5th note of the scale on hole 3 draw & hole 4 blow; and with the 3rd note of the scale (or could be the 4th note) on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are F minor (the I chord), the partial G minor (the ii chord), the partial Ab Major (the III chord), the partial Bb minor (the iv chord), and the C minor (the v chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>C</b> -or <b>D</b>	<b>F</b> -or <b>Bb</b>	<b>Ab</b>	<b>C</b>	<b>F</b>	<b>Ab</b>	<b>C</b>	<b>F</b>	<b>Ab</b>	<b>C</b>
draw	<b>F</b>	<b>Ab</b> -or <b>Bb</b>	<b>C</b>	<b>Eb</b>	G	<b>Bb</b>	<b>Db</b>	<b>Eb</b>	G	<b>Bb</b>

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38. Low D 10 hole harmonica, retuned to play in the key of **C** – for playing in the 6th position in the key of C in the Aeolian Mode (minor scale with flatted & 3rd, 6th, & 7th notes) – triple Richter with the 1st note of the scale on hole 3 draw & hole 4 blow; with the 5th note of the scale on hole 2 draw & hole 3 blow; and with the 4th note of the scale on hole 1 blow & hole 2 draw.

- chords (or partial chords) available in this position are C minor (the I chord), E Major (the III chord), F minor (the iv chord), G minor (the v chord), the partial Ab Major (the VI chord), and a low partial D minor (the vi chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	D	<b>F</b>	<b>G</b> -or <b>A</b>	<b>C</b>	<b>F</b>	<b>Ab</b>	<b>C</b>	<b>F</b>	<b>Ab</b>	<b>C</b>
draw	<b>F</b>	<b>G</b> -or <b>A</b>	<b>C</b>	<b>Eb</b>	G	<b>Bb</b>	<b>D</b>	<b>Eb</b>	G	<b>Bb</b>

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39. Low D 10 hole harmonica, retuned to play in the key of **B**. - for playing in the 4th position in the key of B in the Dorian Mode (minor scale with the 3rd & 7th notes flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.

- chords (or partial chords) available in this position are B minor (the i chord), the partial C# minor (the ii chord), the partial D Major (the III chord), the partial E minor (the iv chord), the partial F# minor (the v chord), and the partial A Major (the VII chord).

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>E</b>	<b>F#</b>	<b>B</b>	D	F#	<b>B</b>	D	F#	<b>B</b>	D
draw	<b>F#</b>	<b>B</b>	C#	E	G	<b>A</b>	C#	E	G	<b>C#</b>

- this tuning could also be tuned down two half steps to the key of A (as if it was key of C harmonica in the 1st position):

hole	1	2	3	4	5	6	7	8	9	10
blow	<b>D</b>	<b>E</b>	<b>A</b>	C	E	<b>A</b>	C	E	<b>A</b>	C
draw	<b>E</b>	<b>A</b>	B	D	F	<b>G</b>	B	D	F	<b>B</b>

- for playing in the 4th position in the key of F# in the Dorian Mode (minor scale with the 3rd & 7th notes flatted) – double Richter with the 1st note of the scale on hole 1 draw & hole 2 blow, and with the 4th note of the scale on hole 2 draw & hole 3 blow.
  - chords (or partial chords) available in this position are A minor (the I chord), the partial B minor (the ii chord), the partial C Major (the III chord), the partial D minor (the iv chord), the partial E minor (the v chord), and the G Major (the VII chord).

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**V. TWO OTHER TUNINGS FOR PLAYING IN THE 4TH POSITION - in these modes: Dorian** (minor scale with flatted 3rd & 7th notes) **and Aeolian** (minor scale with flatted 3rd, 6th, & 7th notes).

40. Melody Maker Tuning

D Harp (especially for 4th position) – the “Melody Maker” Tuning, with holes 5 & 9 draw tuned up one half step, and hole 3 blow tuned up two half steps.

- A. to play in the 4th position in the key of B minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes).
  - chords (or partial chords) available are B minor (the I chord), C# minor (the ii chord), D Major (the III chord), E Major (the IV chord), F# minor (the v chord), and A Major (the VII chord).
- B. to play in the 2nd position in the key of A, in the Major scale.

- chords (or partial chords) available are A Major (the I chord), B minor (the ii chord), C# minor (the iii chord), D Major (the IV chord), E Major (the V chord), and F# minor (the vi chord).

C. to play in the 3rd position in the key of E, in the Mixolydian Mode (Major scale with a flatted 7th note).

- chords (or partial chords) available are E Major (the I chord), F# minor (the ii chord), A Major (the IV chord), B minor (the v chord), C# minor (the vi chord), and D Major (the VII chord).

#### Key of B minor - (4th position (originally a D harp))

hole	1	2	3	4	5	6	7	8	9	10
blow	D	F#	<b>B</b>	D	F#	A	D	F#	A	<b>C#</b>
draw	E	A	C#	E	<b>G#</b>	B	C#	E	<b>G#</b>	B

#### and Key of E minor - (4th position (originally a G harp))

hole	1	2	3	4	5	6	7	8	9	10
blow	G	B	<b>E</b>	G	B	D	G	B	D	G
draw	A	D	F#	A	<b>C#</b>	E	F#	A	<b>C#</b>	E

A. to play in the 4th position in the key of E minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes).

- chords (or partial chords) available are E minor (the I chord), F# minor (the ii chord), G Major (the III chord), A Major (the IV chord), C# minor (the v chord), and D Major (the VII chord).

B. to play in the 2nd position in the key of D, in the Major scale.

- chords (or partial chords) available are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), A Major (the V chord), and B minor (the vi chord).

C. to play in the 3rd position in the key of A, in the Mixolydian Mode (Major scale with a flatted 7th note).

- chords (or partial chords) available are A Major (the I chord), B minor (the ii chord), D Major (the IV chord), E minor (the v chord), F# minor (the vi chord), and G Major (the VII chord)

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41. D Harp (especially for 4th position) – Brendon Power’s “Paddy Richter” Tuning, with hole 3 blow tuned up two half steps

A. to play in the 4th position in the key of B minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes).

- chords (or partial chords) available are chords (or partial chords) available are B minor (the i chord), C# minor (the ii chord), D Major (the III chord), E minor (the iv chord), F# minor (the v chord), and A Major (the VII chord).

B. and can play in the 1st position in the key of D, in the Major scale.

- chords (or partial chords) available are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), A Major (the V chord), B minor (the vi chord), and C# minor (the vii chord).

C. and can play in the 2nd position in the key of A, in the Mixolydian Mode (Major scale with a flatted 7th note).

- chords (or partial chords) available are A Major (the I chord), B minor (the ii chord), C# minor (the iii chord), D Major (the IV chord), E minor (the v chord), F# minor (the vi chord), and G Major (the VII chord).

D. and can play in the 3rd position in the key of E minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes).

- chords (or partial chords) available are E minor (the I chord), D Major (the VII chord), F# minor (the ii chord), G major (the III chord), A Major (the IV chord), B minor (the v chord), and C# minor (the vi chord).

### Key of B minor - (4th position (originally a D harp))

	hole	1	2	3	4	5	6	7	8	9	10
	blow	D	F#	<b>B</b>	D	F#	A	D	F#	A	<b>D</b>
	draw	E	A	C#	E	G	B	C#	E	G	B

### and Key of E minor - (4th position (originally a G harp))

hole	1	2	3	4	5	6	7	8	9	10
blow	G	B	<b>E</b>	G	B	D	G	B	D	G
draw	A	D	F#	A	C	E	F#	A	C	E

A. to play in the 4th position in the key of E minor, in the Aeolian Mode (minor scale with flatted 3rd, 6th, & 7th notes).

- chords (or partial chords) available are E minor (the i chord), D Major (the VII chord), F# minor (the ii chord), G Major (the III chord), A minor (the iv chord), B minor (the v chord), and C Major (the VI chord).

B. and can play in the 1st position in the key of G, in the Major scale

- chords (or partial chords) available are G Major (the I chord), A minor (the ii chord), B minor (the iii chord), C Major (the IV chord), D Major (the V chord), E minor (the v chord), and F# minor (the vii chord).

C. and can play in the 2nd position in the key of D, in the Mixolydian Mode (Major scale with a flatted 7th note)

- chords (or partial chords) available are D Major (the I chord), E minor (the ii chord), F# minor (the iii chord), G Major (the IV chord), A minor (the V chord), B minor (the vi chord), and C Major (the VII chord).

D. and can play in the 3rd position in the key of A minor, in the Dorian Mode (minor scale with flatted 3rd & 7th notes)

- chords (or partial chords) available are A minor (the i chord), B minor (the ii chord), C Major (the III chord), D Major (the IV chord), E minor (the v chord), F# minor (the vi chord), and G Major (the VII chord).