Dominant 7th Chord 'Cheat Sheet'

II$^{7}_{m}$ V^{7} I^{j7} [Mixo] — **II-V-I major**

II$^{7/b5}_{m}$ V$^{7/}_{alt}$ I$^{7}_{m}$ [HM5] — **II-V-I minor**

II$^{7}_{m}$, II$^{7/b5}_{m}$ → V$^{7/}_{alt}$ → I^{j7}, I$^{7}_{m}$ — **modal shift**

Tritone Substitution

Major:

II$^{7}_{m}$ V^{7} I^{j7}

II$^{7}_{m}$ bII^{7} I^{j7}

[V^{7} MM7(alt); bII^{7} Mixo#11]

Minor:

II$^{7/b5}_{m}$ V$^{7/}_{alt}$ I$^{7}_{m}$

II$^{7/b5}_{m}$ bII^{7} I$^{7}_{m}$

II$^{7}_{m}$ V^{7}

[Dm^{7} G^{7}]

II$^{7/b5}_{m}$ V$^{7/}_{alt}$

[Dm$^{7/b5}$ G$^{7/alt}$]

V I$^{7}_{m}$ [Am^{7}] — bV I^{j7} [A^{bj7}] — **deceptive cadence**

modulation to parallel key of tonic / subdominant.

Secondary dominants

V I^{7} → II$^{7}_{m}$ {HM5}

V II^{7} → III$^{7}_{m}$ {HM5}

I^{7} → IV^{j7} {mixo}

II^{7} → V^{7} {mixo}

III^{7} → VI$^{7}_{m}$ {HM5}

major

V^{7} → I$^{7}_{m}$

bV II^{7} → bIII^{j7}

I^{7} → IV$^{7}_{m}$

II^{7} → V$^{7}_{m}$

bIII^{7} → bVI^{j7}

I V^{7} → bVII^{7}

minor

⚠ all secondary dominants can be altered.

Tritone substitution of the secondary dominant

[Tritone sub.] bII^{7} bIII^{7} IV^{7} bV^{7} bVI^{7} bVII^{7}

[Sec. Dom.] V^{7} VI^{7} VII^{7} I^{7} II^{7} III^{7}

I^{j7} II$^{7}_{m}$ III$^{7}_{m}$ IV^{j7} V^{7} VI$^{7}_{m}$

Dominant of the Dominant

A) II^{7} → V^{7} → I^{j7}

B) II^{7} {mixo#11} → II$^{7}_{m}$ → V^{7} → I^{j7}

Replace secondary dominant 7th chords with diminished chords

Example: G^{7b9} → B^{o7} [remove root note 'G']

play: - Half-whole diminished scale
- Whole-half ″ ″
- Diminished Arpeggios
- HM7 (harmonic altered scale)

⚠ depending on the chord progression

C#^{o7} = E^{o7} = G^{o7} = B^{bo7}

C^{o7} = E^{bo7} = ...

⋮

A) II^{7b9} → bIII^{o7} II$^{7}_{m}$ V^{7} I^{j7} ″ ″ ″

B) I^{j7} II^{7b9} → I^{o7} II$^{7}_{m}$ V^{7} I^{j7} ″ ″ ″ ″

Appendix:

{...}: scales to be played on the dom. chord

j7 = maj7, Δ

o7 = dim.,

ø7 = half-dim., m7b5

7/alt. = dominant 7th chord without perfect fifth

MM4 = 4th mode of melodic minor [Mixo#11]

MM7 = 7th ″ ″ ″ ″ (alt)

HM5 = 5th ″ of harmonic minor

HM7 = 7th ″ ″ ″ ″

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Sources:
[1] "Die neue Harmonielehre", Band II, Frank Haunschild, 1992, AMA-Verlag