

Locoman D&H Sound Projects	
List of important Cvs	
CV #	Description & Remarks
	<u>Acceleration & Deceleration (values = seconds)</u>
3	Acceleration time (for prototypical behaviour should be at least 50)
4	Deceleration time (without F4 or F17) (values above 60 are more prototypical, but then you must use F4 to slow down).
62	Acc/Dec time in shunting mode (F17) (low values give direct access to speed control). Value of CV 62 should be about half of CV 391. With F17 active, F4 does not work.
391	Deceleration time with active brake (F4) (recommended value about 15)
	<u>Speed</u>
2	Minimum speed (= start speed) (altering affects chuff rate!)
5	Max speed (altering affects chuff rate!)
6	replaced by CV 48
48	Speed curve (0 = linear, 7 = very exponential) (altering affects chuff rate!)
61	Max speed in shunting mode (F17)
	<u>Chuff Rate (change in steps of 1 or 2 only)</u>
353	Distance of chuffs at low speed (Step 2 of 28) (increase = less chuffs)
354	General frequency of chuffs at mid and high speed (increase = more chuffs) depending on CV 5
362	Minimum distance of chuffs at very high speed (pure limiter function, increase = less chuffs)
	<u>Brake sound</u>
355	Minumum speed which is necessary for brake squeal
356	Begin of brake sound (higher value = earlier sound)
364	End of brake squeal (higher value = earlier end)
365	Sensitivity of brake sound (higher value = higher sensitivity) (depends on CV 391) Too high values might cause stuttering sound.
	<u>Misc</u>
350	Auto-coasting delay (only in shunting mode F17). Value 0 = auto-coasting off
390	F-key value for active brake = 4. Value 132 <i>instead</i> will turn on the active brake also when throttle is at zero without hitting F4 (but no first brake valve sound appears). Means you can work with active brake by just moving throttle between 0 and 1.
379	F-key # for forced heavy chuffs, recommended is value 24, so F24 = heavy chuffs.
367	Random sounds: 4 = all off, 5 = only stationary, 6 = only on the move, 7 = always