

## TECH NOTE LOG SHEET

The Tech Notes listed in the following table are listed in reverse order (most recent release date first) and are available here for Authorized Fender Dealers and Service Centers ONLY! This information is NOT for release to the public!

Tech Note Number	Date	Product(s) Affected	Subject
TN02-4	7/02	"Pro-Tube Series": Twin Amp, Pro Reverb, Concert Reverb	Low frequency oscillation ("motorboating") with the tremolo engaged, or at extreme gain settings.
TN02-3	4/02	Cyber-Deluxe	Software Upgrade and revision history
TN02-2	3/02	Acoustasonic 30, Bassman 25, Champion 30	Fuse blows when amplifier is powered up
TN02-1A	2/02	Cyber-Twin Combo, Cyber-Twin Head	Addendum to TN02-1
TN02-1	2/02	Cyber-Twin Combo, Cyber-Twin Head	Software Upgrade and revision history
TN01-3A	1/02	Cyber-Twin (Combo)	Addendum to TN01-3
TN01-3	12/01	Cyber-Twin (Combo)	Tube rattle sound (like tambourine) at high volumes in Preset A30
TN01-2	4/01	Bassman 400C	Non-Warranty addition of extension speaker jack
TN01-1	2/01	Champ 15 (Serial Numbers beginning with IA)	Nuisance blowing mains fuse
TN00-4	12/00	Sunn T50C (UK only)	Blowing mains fuse
TN00-3	6/00	Bassman 400/400H	Buzzing from air baffle
TN00-2	5/00	Stage 100/160/100H	Ground lift is normal on "Line-Out" jack
TN00-1	3/00	Stage 100/160/100H	Oscillation in "More Drive"
TN99-4	12/99	Sunn 300T	Failure of output tubes/screen resistors
TN99-3	7/99	GE 412 Cab	Howls with Roc Pro Head
TN99-2	4/99	LTB Mixer	Volume drops, becomes distorted
TN99-1	3/99	Sunn 1200S	Fix Potential Problems
TN98-10	12/98	Sunn 410H Bass Loudspeaker	Positive interference on input jacks
TN98-9	10/98	Keyboard 200 SFX	Buzz/hum from bottom speaker
TN98-8	10/98	Sunn Model T	Bias range not wide enough
TN98-7	9/98	Acoustasonic SFX	"Flapping" sound from speaker
TN98-6	7/98	KXR 200 Keyboard Amp	Amp may hum or buzz
TN98-5	5/98	Custom Vibrasonic	"Buzz" reduction in FAT circuit

TN98-4	5/98	All amps with GE/Flying Rails	General Discussion of GE/Flying Rail Amps
TN98-3	5/98	SRM 6302/8302	Weak Tape Output Level
TN98-2	6/98	All Amps with Spring Reverb	General Guidelines for pan mounting
TN98-1	3/98	Stage 112SE	High Frequency Oscillation with Circuit modification supplement
TN97-8	10/97	Prosonic - All versions	Possible Oscillation if turned on incorrectly
TN97-7	6/97	Roc Pro 1000	Service Manual shows wrong part
TN97-6	4/97	Prosonic	Audible hum with no signal applied
TN97-5	4/97	Vibro-King	Excessive hum in reverb
TN97-4	4/97	Dual Professional	Excessive hum in reverb
TN97-3	3/97	Rumble Bass	Unit may not power-up from standby
TN97-2	3/97	Prosonic	Excessive pop when switching channels
TN97-1	3/97	Prosonic	Excessive hum in reverb
TN96-7	10/96	Frontman 15/15R	Add foam stop to speaker grille
TN96-6	8/96	Bullet Reverb, Champ 12, Champion 110	Reverb unit becomes unmounted
TN96-5	6/96	'94 Twin Amp	Noisy reverb
TN96-4	5/96	PX2200 Series Mixers	Reverse operation of sliders after replacement
TN96-3	3/96	'94 Twin Amp	Arcing/welding of contacts in standby switch
TN96-2	3/96	1272A, 1275A Monitors	Add series resistor to piezo drivers
TN96-1	3/96	1201A, 1205A, 112ELC, 115ELC Speakers	Add series resistor to piezo drivers
TN95-6	7/95	PX2200D Series Mixers	Pops at power down
TN95-5	7/95	Blues Deluxe, Blues DeVille	Both channels appear active at same time
TN95-4	7/95	'94 Twin Amp	Loss of gain in Drive channel and/or both channels active at same time
TN95-3	6/95	Multiple	Discontinuance of MPS-ULO & MPS-U60
TN95-2	2/95	SPL-122511282/1285 MKII	Possible misfiring of High Frequency driver
TN95-1	2/95	'59 Bassman, '63 Vibroverb, '65 Twin Reverb, '65 Deluxe Reverb	Explanation of dummy ground switch, and missing capacitor
TN94-8	10/94	Stage 112 SE	Excessive hum - especially on Drive channel
TN94-7	6/94	Blues Deluxe	Random switching, intermittent

			preamp
TN94-6	5/94	Blues Deluxe, Blues DeVille	Speakers warm or hot, High Frequency distortion
TN94-5	5/94	Blues Deluxe, Blues DeVille	Muting circuit intermittent
TN94-4	10/94	Performer 1000	Reverb enhancement
TN94-3	5/94	Performer 1000	Volume controls sensitive-both channels
TN94-2	2/94	Performer 1000	Ringing/feedback/oscillation from Drive channel
TN94-1	2/94	Ultra Chorus	Excessive heating of amp and speakers
TN93-8	8/93	Princeton 112	High-frequency oscillations
TN93-7	6/93	Ultra Chorus	Bias modifications
TN93-6	6/93	M-80 Bass	Power supply modifications
TN93-5	6/93	M-80 Chorus	Bias modifications
TN93-4	6/93	M-80	Bias modifications
TN93-3	4/93	'65 Twin Reverb	Intermittent (pots)
TN93-2	3/93	Solid State Amps	Overheating (remove silicon insulator "Sill Pads")
TN93-1	2/93	Sunn 1211, Sunn 1228, Sunn 1291 CI, SPL1225/1226, Fender 2825	Crossover modifications
TN92-4	12/92	185 Series	Modification of channel- switching circuit
TN92-3	11/92	'63 Vibroverb, Solid State amps	Bias modifications; Pot brackets
TN92-2	10/92	SKX35R/65R/I00R	Bias modification
TN92-1	3/92	'65 Twin Reverb; Sunn PX2108/2112/2116; M-80 Preamp	Multiple
TN91-2	10/91	PX2108/2112/2116; Dual Bass 400	Fan resistor; Output transistors
TN91-1	1-2/91	SPL7250/PX2100	Fan-starting torque
TN90-6	11-12/90	BXR Spectrum; Dual Bass 400; "The Twin"	Multiple
TN90-5	9-10/90	Princeton Chorus; Fender 85; SPL 1225/1226; M-80 Chorus	Multiple
TN90-4	7-8/90	Princeton Chorus; components	Channel switching; Bath-tub power resistors, HV filter caps, HV coupling caps
TN90-3	5-6/90	Lighting; SR6520/8520	Multiple
TN90-2	3-4/90	Multiple	Special design parts; Speaker leads; Magnets; Reissue amps
TN90-1	1-2/90	Power Chorus	Footswitch changes; Increasing

			spatial depth
TN89-2	4/89	Stage/London/Pro 185	Thermistors
TN89-1	3/89	PS1200 Lighting; Fender 85 & 185; "The Twin"; Dual Showman; Super 60 Series	Low level flickering, Under-powering, Unwanted channel switching, Unwanted high frequency oscillation, Squeal at shutdown
TN88-3	8/88	Chroma Polaris	Tips on potential problems
TN88-2	6/88	Tube Amps, BXR Spectrum speaker, "The Twin"; Sunn Lighting Controllers	Hum in tube amps; Unwanted oscillations; Bypass Gaps; Vibrato "ticking"; Reverb question; Under power of Lighting Controller
TN88-1	2/88	Champ 12, "The Twin", Dual Showman	Overview of special characteristics
TN87-1	10/87	"The Twin", Dual Showman	Defective rocker switches, bias/balance adjust pots
TN86-3	11/86	Sunn SX4150/6350/8350	Reduce R.F. Interference
TN86-2	11/86	Sunn SX4150	Increase thermal stability
TN86-1	11/86	Sunn SX6350/8350	Provide better thermal tracking
SB12	unknown	100 Watt Piano	Slide controls - cleaning
SB11	5/74	CFA7010 Musicmaster Bass Amp	Possible wiring improvement
SB9	unknown	Vibrato - all amps	Cure for "ticking"
SB7	unknown	010020 Power Transformer	Universal replacement transformer
SB5	unknown	030874 Vibrato Assembly	Defective photocells
SB3	unknown	Power Transformers	Design change on replacements
SB2	unknown	064063 Reverb Pan	Obsolete