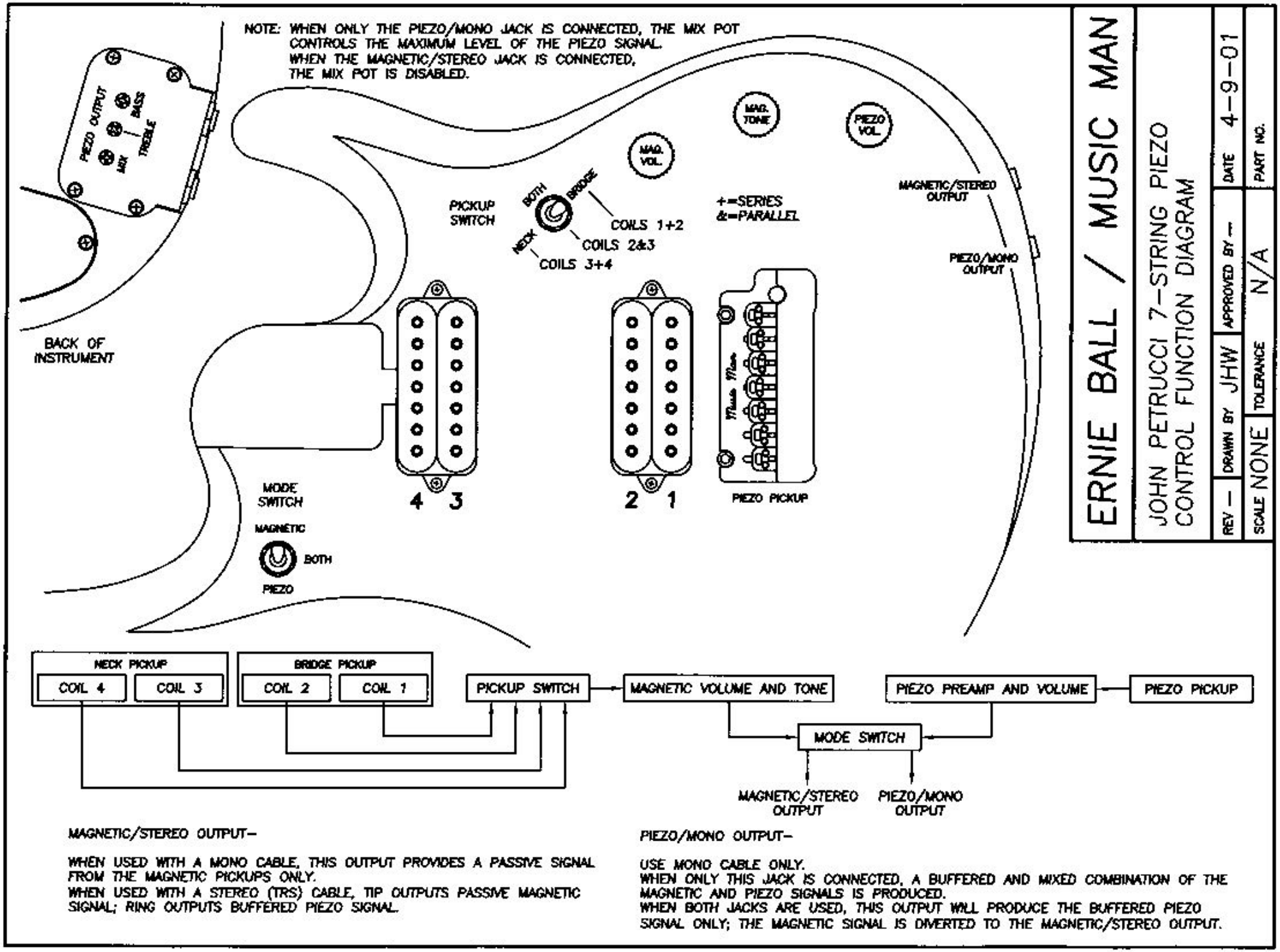
NOTE: WHEN ONLY THE PIEZO/MONO JACK IS CONNECTED, THE MIX POT CONTROLS THE MAXIMUM LEVEL OF THE PIEZO SIGNAL. WHEN THE MAGNETIC/STEREO JACK IS CONNECTED, THE MIX POT IS DISABLED.
PIEZO OUTPUT
BASS
MIX
TREBLE
BACK OF INSTRUMENT
PICKUP SWITCH
BOTH
BRIDGE
NECK
COILS 1+2
COILS 2&3
COILS 3+4
MAG. VOL.
MAG. TONE
PIEZO VOL.
+=SERIES
&=PARALLEL
MAGNETIC/STEREO OUTPUT
PIEZO/MONO OUTPUT
4 3
2 1
PIEZO PICKUP
MODE SWITCH
MAGNETIC
BOTH
PIEZO
NECK PICKUP
COIL 4
COIL 3
BRIDGE PICKUP
COIL 2
COIL 1
PICKUP SWITCH
MAGNETIC VOLUME AND TONE
PIEZO PREAMP AND VOLUME
PIEZO PICKUP
MODE SWITCH
MAGNETIC/STEREO OUTPUT
PIEZO/MONO OUTPUT
ERNIE BALL / MUSIC MAN
JOHN PETRUCCI 7-STRING PIEZO CONTROL FUNCTION DIAGRAM
DATE 4-9-01
REV —
DRAWN BY JHW
APPROVED BY —
PART NO.
SCALE NONE
TOLERANCE N/A
MAGNETIC/STEREO OUTPUT—
WHEN USED WITH A MONO CABLE, THIS OUTPUT PROVIDES A PASSIVE SIGNAL FROM THE MAGNETIC PICKUPS ONLY.
WHEN USED WITH A STEREO (TRS) CABLE, TIP OUTPUTS PASSIVE MAGNETIC SIGNAL; RING OUTPUTS BUFFERED PIEZO SIGNAL.
PIEZO/MONO OUTPUT—
USE MONO CABLE ONLY.
WHEN ONLY THIS JACK IS CONNECTED, A BUFFERED AND MIXED COMBINATION OF THE MAGNETIC AND PIEZO SIGNALS IS PRODUCED.
WHEN BOTH JACKS ARE USED, THIS OUTPUT WILL PRODUCE THE BUFFERED PIEZO SIGNAL ONLY; THE MAGNETIC SIGNAL IS DIVERTED TO THE MAGNETIC/STEREO OUTPUT.