

160-meter Conversion Kit

Converting an existing Phaser for use on 160-meters

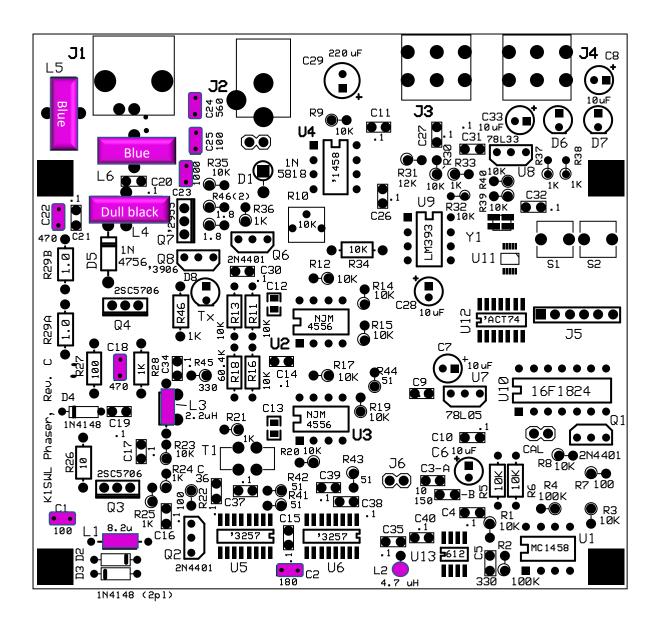
This document describes just the changes needed to convert any version of the Phaser for 160M operation. Use (or substitute) the parts noted below as described in Group 4 of the Instructions for your Phaser model. The parts are noted in violet in the Parts Placement Diagram that follows.

160 meter-specific parts

Quantity	Ref. Designator	Value	Notes & Markings
2	C1, C25	330 pF	'331'
1	C2	680 pF	'681'
1	C18	1000 pF	'102'
1	C22	1200 pF	
1	C23	2700 pF	
1	C24	1500 pF	'152'
1	R45	330 ohm	Orange-orange-brn-gold
1	L1	22 uH	Red-red-black-gold
1	L2	10 uH	Brown-black-black-gold
1	L3	6.8 uH	blu-gry-gold-gold
		FT50-61 toroid, 16 turns, #22	<u>Dull black</u> toroid, larger core
1	L4	wire	diameter
		T50-1 toroid, 19 turns, #26 wire	Blue core. See group 4
1	L5		instructions
1	L6	T50-1 toroid, 24 turns, #26 wire	Blue core. See group 4 instructions

NOTES:

- 1) The best starting point for the change to 160M is from an <u>80M</u> Phaser. If starting with another band, toroids L5 and L6 may be be the wrong types. (Contact <u>N2APB@midnightdesignsolutions.com</u> if needed.) Use the 2.2 uH choke supplied for L3, oriented as shown on the parts placement figure below.
- 2) It is really recommended that this conversion to 160 meters is applied to an <u>unassembled</u> Phaser kit. Attempting to convert a Phaser that was already built is more difficult and prone to error and/or frustration.
- 3) The L4 toroid providined in this Conversion Kit is different that the L4 supplied in the base kit from which you are starting. Be sure to use the <u>dull black</u> FT50-61 core provided on this 160-m Band Specific Parts card instead of the grey FT50-43 core provided in the base Phaser Kit.



Parts Placement Diagram- 160M

Band-specific components are highlighted in color (12 places)

