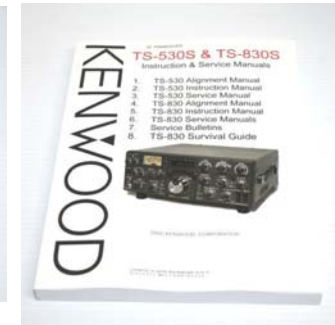


Manual Compilation Series:

Last Updated: 11/18/2019

WB0IQK – Mark – Email: wb0iqk@gmail.com, Web: <https://wb0iqk.webs.com/>

This bound book is a compendium collection of Kenwood technical data covering the older series of radio's. Mainly the 520-830, although some items on the other older radio's and amplifiers are included. The information documented here was derived from Kenwood - Net activities (website information, reflector information and over the air discussions), Kenwood manuals and Service Bulletins. This Volume 1, Rev 1 is 367 pages in length covering 58 subjects. The binding binds the pages just like a typical paper back book. The book is made up using 20# white bond paper with 120# glossy front and rear cover.



Kenwood service and technical support:

N9HE – Steve, AZ, Email: n9he@quarked.com

WB2KNR – Jim, NJ, Email: jimlamanteer@yahoo.com

AK4AA – David Lyndon (Old Ham Dave), NC, Email: ak4aa36@gmail.com, Web: <http://oldhamdave.com/>

W0NTA – Dick, Greeley, CO, Phone: (970)381-6768 Email: dick@w0nta.com, Web: <http://www.w0nta.com>

K9TW – Terry, MI, Phone: (269)663-8943 Email: wagstw46@aol.com, Web: <http://www.k9tw.com>

WA8SAJ – Jeff, OH - Phone: (440)951-6406, EMAIL: wa8saj@ncweb.com, Web: <http://wb4hfn.com/Services/WA8SAJ/SAJ-Repair.htm>

HamRepair.com - Cal Fisher – TX, Phone: 214.476.5107, E-Mail: info@HamRepair.com, Web: <http://hamrepair.com/>

N0BXE, Affordable Radio Repair, Mike Alexander, Florence, CO, E-Mail: mike@affordableradiorepair.com Web: <http://www.affordableradiorepair.com/>

~~K46IPF, Cliff Holland, Avvid, Mabank, TX 75147 Phone: 214-850-0973 Email: clif@avvid.com Web: <http://www.avvid.com/> * (Suspended Repairs - Retired)~~

K6ARU, Turner Radio, Lancaster, Calif., 616-945-9097 Email: k6aru@cw.com

Midwest Technical Services, Watertown, Sdak, Phone: 605-882-1706, Email: tcmoes@yahoo.com, Web Page: <http://www.midwest-technical.com/>

AK4AA, Dave Lyndon, Hot Springs, NC, Phone: 828-622-0115, email: ak4aa36@gmail.com Web: www.oldhamdave.com * (Also TS-940)

KC9INK, Walley, Indianapolis, IN, Does local repair work only, Phone 317 823 9380, E Mail wallydoc@yahoo.com, *(Also TS-940)

K7ZS – Kevin Lahaie, Hillsboro, OR, Email: kevin@k7zs.com *(Also TS-940's)

Burghardt Radio Repair, Watertown, SD, Phone: (605) 886-7314, Email: service@burghardttradiorepair.com, Web: <http://www.burghardt-amateur.com/> *(Also TS-940's)

Avvid Electronics, 322VZ County Road 2714, Mabank, TX 75147, Phone: 214-850-0973, Email: clif@avvid.com, Web: www.avvid.com/ (Only later radio's, no hybrids)

WB0CJB, Paul Kemp, Columbia, TN, Email: pckemp4@hotmail.com (Works on most Hybrid Kenwoods, Drakes, Kenwood, etc.)

KD7DNY, Mesa, AZ – Walter Dilley, Email: walter.dilley@gmail.com web: <https://kd7dny.com>.

Kenwood Parts:

K4EAA – KEN - EMAIL: ken@k4eaa.com, Web: www.k4eaa.com

Kenwood Hybrid Restoration & Repair, KE7OAY, Jim Showker, Oregon Email: jim@hybridrestore.com Web: <http://www.hybridrestore.com/>

KD7DNY – Walter Dilley, Email: walterdilley@gmail.com Web: <https://kd7dny.com/> (Bought all of Bob Mansker, KE5TTF inventory)

East Coast – Phone: (800)632-3323, Web: <http://www.kenwoodparts.com/parts/index.php>

Radio Boatanchor Parts: TEL: 207-942-5745 xfrmrs@roadrunner.com Web: http://tubes_tubes_tubes.tripod.com/index.html

PacParts Inc., Phone: 800-421-5080, Web: <http://www.pacparts.com/>

Nationwide Radio & Eq. Sales LLC, Mark Olson "President", 1490 Norfield Rd, Suamico, Wi. 54173, Email: ke9pg@new.rr.com Phone: (920) 434-8097 Web:

<http://marketplaceadvisor.channeladvisor.com/StoreFrontProfiles/default.aspx?sfid=86409>

Parts Description:

Band Switch Coupler:

1. K4EAA – KEN - EMAIL: ken@k4eaa.com, Web: www.k4eaa.com
2. Kenwood Hybrid Restoration & Repair, Email: jim@hybridrestore.com Web: <http://www.hybridrestore.com/>
3. East Coast P/N: D22-0409-05 - (L5) NYLON COUPLER R-5000 TS-830S TS-820S R-1000 www.eastcoastransistor.com



TS-520, TS-820, TS-530, TS-830 Flat Pack RL1:

1. K4EAA – KEN - EMAIL: ken@k4eaa.com, Web: www.k4eaa.com
2. Kenwood Hybrid Restoration & Repair, Email: jim@hybridrestore.com Web: <http://www.hybridrestore.com/>
3. Online Components, Web: <http://www.onlinecomponents.com/keywordsearch.aspx?text=nf4eb-12v>



TS-520, TS-820 Antenna Relay:

1. Kens Electronics, Web: <http://www.kenselectronics.com/> P/N: 401013-S term 12VDC replace MH4P-12VDC in T599D, TS520S, TS820
2. Kenwood Hybrid Restoration & Repair, Email: jim@hybridrestore.com Web: <http://www.hybridrestore.com/>



HYBRID High Voltage Capacitor replacement kits: (These are Nichicon 150uF @500VDC caps.)

1. K4EAA – KEN - Web: www.k4eaa.com
2. Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>
3. Mouser Part # 647-LGN2H151MELC25. Web: <https://www.mouser.com/>
4. Allied Part # 70249746. Web: <https://www.alliedelec.com/>
5. Newark, Part #27T9817, Web: <https://www.newark.com>
6. Digikey, Part # 493-4352-ND Web: <https://www.digikey.com/>



Misc. Items:

TS-520 & TS820 Remote VFO dummy plug or VFO cable. Web: <http://www.hybridrestore.com/>

TS-830 Rectifier board relay – Source unknown at this time...

TS-940 Relay Omron G6E134P-ST-US-DC12 , Digikey Panasonic part # 255-1473-ND

TS-520, 820, 530, 830 Drive Sprockets, email: NR6C@roadrunner.com , Web: <http://nr6c.com/sprocket.htm>

TS-520/820 Paddle Switch Handles, KF7QGU, eBay user: [id_dude](https://www.ebay.com/itm/id_dude), Search for “Kenwood Paddle Switch Handles” .

TL-922 upgrades, Kessler Engineering LLC, Ph: 937-458-3173, email: don@KesslerEngineeringLLC.com, Web: www.KesslerEngineeringLLC.com

TS-830&530 Remote VFO Cable Kit, Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID High Voltage Capacitor replacement kits, K4EAA – KEN - Web: www.k4eaa.com and Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID Power Cords, Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID Cabinet Screw Kits, K4EAA – KEN - Web: www.k4eaa.com and Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID Final Cage Repair Kits, K4EAA – KEN - Web: www.k4eaa.com and Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID Band Switch Padder 'S' Series Capacitors, Web: <https://www.vishay.com/capacitors/list/product-28515/>

HYBRID Cabinet Feet, Kenwood Hybrid Restoration & Repair, Web: <http://www.hybridrestore.com/>

HYBRID SK Fets and Transistors, Phone: 800-543-3568 –Web: <http://www.ceitron.com/>

6146 Key Guide Fix, <https://reverb.com/item/2465597-6-pieces-vacuum-tube-octal-socket-saver-missing-broken-guide-key-fix-repair>



Cabinet Paint:

ACE Hardware, Rust Stop Spray Paint, Machine & Implement, Ford Gray Gloss, Item# 082901171393, <https://www.acehardware.com/>

Sherwin-Williams, Quart of Paint for rolling or have them put into spray cans.

FOAM PRO 82 2 Inch roller applicator https://www.amazon.com/FoamPRO-82-Finish-Coater-Roller/dp/B000W9QELS/ref=sr_1_4?keywords=foampro+2%22+roller&qid=1551644065&s=gateway&sr=8-4

FOAM PRO 00083, 2" replacement rollers https://www.amazon.com/FoamPRO-00083-FOAM-PRO-Pack/dp/B000WA6DWC/ref=sr_1_6?keywords=foampro+2%22+roller&qid=1551644065&s=gateway&sr=8-6

| GR181658 RADIO CASE | | | |
|---------------------|----|----|-----------|
| CUSTOM MANUAL MATCH | | | |
| CCECOLORANT | 02 | 32 | 64 128 |
| 01-White | - | 11 | - |
| 01-Black | - | 17 | - |
| 02-Black | - | 1 | - |
| 03-Deep Gold | - | 9 | - |
| 02-New Green | - | - | 1 |
| QUART | | | DEEP |
| 041401353 | | | 650902729 |

VFO STABILIZER:

1. Cumbria XLOCK – **No longer in business.**

2. K4DPK VFO Stabilizer - PHILLIP W CHAMBLEY, 28 E CAMELIA RD NE, ROME, GA 30161, Email: k4dpk@comcast.net



TUBES (6146B & W) & 12BY7:

1. **ESRC Vacuum Tubes**, 6424 Pinecastle Blvd. Suite B, Orlando, FL 32809 Phone: 407-826-5808, Email: CustomerService@ESRCVacuumTubes.com Web: <http://esrcvacuumtubes.com/>

2. **RF Parts** – San Marcos, California, Email: Terry@rfparts.com , 435 South Pacific Street, San Marcos, California 92078, Phone: (800) 737-2787, 760 – 744-0700 Web: <http://www.rfparts.com/?gclid=CJPr0Jf04cECFYdzMgod9woAgg>

3. **Surplus sales of Nebraska** – Email: grinnell@surplussales.com, Phone: (402) 346-4750, Web: <http://www.surplussales.com/Collins/CollTubeSpecials.html>