

# HF-80

Rockwell Collins HF-80 Series Radio

## HF-80 Elements

The HF-80 Series used a unique identification system to classify radio units by category. The following list includes the entire HF-80 Series including the top level part numbers. The 3 digit extension on these part numbers identifies the configuration of the unit. A plate on the right side panel of some units also includes status information. The letter "A" indicates it is equipped with a set of remote control cards. Some additional related items are included in some areas.

### HF-80 Overviews

#### Exciters HF-801X

HF-8010 Exciter 622-3389-001

2 Channel ISB, 1.6-30 MHz, Local Control Only

HF-8010A Exciter 622-3395-001

2 Channel ISB, 1.6-30 MHz, Local or Remote Control

HF-8012A Exciter, Extended Range 622-7510-001

4 Channel ISB, 450KHz to 29,999 MHz Local or Remote

HF-8014 Exciter, 4 Channel 622-4372-001

4 Channel ISB, 1.6-30 MHz, Local

HF-8014A Exciter, 4 Channel 622-3473-001

4 Channel ISB, 1.6-30 MHz, Local or Remote

HF-8014A Exciter, 2 Channel "Barn door" 622-3473-211

Frequency Agile 2 Channel, ISB, 1.6-30 MHz, Local or Remote Control



DDS (direct digital synthesizer) control

### **Power Amplifiers HF-802X**

HF-8020 Power Amplifier, 1kw 622-3380-001

Tube type (Y757, 4CX1500B)

1.6-30 MHz Single Phase, use with HF-8030 PS

TS -8020 Panel, Maintenance Panelk, 622-3396-001

HF-8021 Power Amplifier 3kw 622-3381-001

Tube Type (4CX-5000R)

2.0-30 MHz, Three Phase Power

TS-8021 Maintenance Panel, 622-3397-001

HF-8022 Power Amplifier 10kw 622-0082-001

Tube Type (4CX-15000A)

2.0-30,000 MHz, Three Phase Power

TS-8021 Maintenance Panel, 622-622-3397-001

HF-8023 Power Amplifier 1kw Solid State 622-3490-001

Solid State Type, 1.6-30,000 MHz

Single or three Phase depending on PS.

Use with HF-8031 Single Phase or HF-8032 Three Phase

HF-8023 Power Amplifier 1kw Solid State "Barn Door" 622-3490-200

Solid State Type, 1.6-30,000 MHz

Frequency Agile

Single or three Phase depending on PS.

Use with HF-8031 Single Phase or HF-8032 Three Phase

HF-8030 Power Supply 622-622-3383-001

Single Phase Power Supply for HF-8020

HF-8031 Power Supply 622-3491-001

Single Phase Power Supply for HF-8023

HF-8032 Power Supply 622-3512-001

Three Phase Power Supply for HF-8023

MF-8022 Power Amplifier, Extended Range 622-7511-001

450Khz—30,000MHz, 10 kw, Three Phase

## **Couplers HF-804X**

HF-8040/A Antenna Coupler 1 kw 622-3384-001

Analog Tuning, 1.6-30,000 MHz

Use with HF-8020 and HF-8023

HF-8040M Antenna Coupler, Maritime 622-3513-001

Analog Tuning, 1.6-30,000 MHz

Use with HF-8020 and HF-8023

HF-8041 Antenna Coupler 622-3496-001

Digital Tuner, 1.6-30,000 MHz

Use with HF-8023

## **Receivers HF-805X**

HF-8050 Receiver 622-3385-001

2 Channel ISB, 0.25-30 MHz, Local Control Only

HF-8050A Receive 622-3393-001

2 Channel, ISB, 0.25-30 MHz, Local or Remote Control

HF-8054 Receiver, 4 Channel 622-3478-001

4 Channel, ISB, 0.25-30MHz, Local Control

HF-8054A Receiver, 4 Channel 622-3474-001

4 Channel, ISB, 0.25-30MHz, Local or Remote Control

HF-8054A Receiver, 2 Channel "Barn door" 622-3475-210

Frequency Agile, 2 Channel, ISB, 1.60-30 MHz, Local or Remote Control

DDS (direct digital synthesizer) control

851S-1 Receiver 622-4272-001

2 Channel, ISB, 0.25-30 MHz, Local or Remote Control, Tuning knob

851S-2 Receiver 622-4755-001

2-channel, ISB, 0.25-30 MHz, 1 HZ tuning, Local or Remote Control, Tuning Knob

No AFC

## **Filters HF-806X**

HF-8060 Pre/Post-selector 622-3386-001

Analog (mechanical) tuning, 2.0-32 MHz, use with receiver, exciter, receiver/exciter

HF- 8061A Band Pass Filter, Line Flattener 622-3497-001

2 pole high power, bandpass filter plus line flattener (match up to 3:1 VSWR)

Use with HF-2020 or HF-8023 1 kw PA.

HF- 8061A Band Pass Filter, Line Flattener "Barn Door" 622-3497-200

2 pole high power, bandpass filter plus line flattener (match up to 3:1 VSWR)

Use with HF-8023 1 kw PA.

HF-8062 Filter, Low Pass Filter 622-3514-001

1.6-30 MHz Additional harmonic filter and VSWR Bridge

Use with HFD-8020 or HF-8023 1 kw PA

HF-8064 Pre/Post selector 622-3522-001

Digital Tuning, 2.0-30 MHz, use with receiver, exciter, receiver/exciter

HF-8064B Pre/ Post selector 622-7505-001

Digital Tuning, 2.0-30 MHz, 60/400 Hz Power, use with receiver, exciter, receiver/exciter

### **Receiver/Exciters HF-807X**

HF-8070 Receiver/Exciter 622-3387-001

2 Channel, ISB, 0.25-30 Receiver, 1.6-30 MHz Transmit, Local Control only

HF-8070A Receiver/Exciter 622-3394-001

2 Channel, ISB, 0.25-30 Receiver, 1.6-30 MHz Transmit, Local or Remote Control

### **Remote Controls HF-809X**

HF-8090 Remote Control, Exciter 622-3390-001

Remote control of the HF-8010A exciter via serial data

HF-8091 Remote Control, Receiver 622-3391-001

Remote control of the HF-8050A receiver via serial data

HF-8092 Remote Control, Receiver-Exciter 622-3392-001

Remote control of the HF-8070A receiver-exciter via serial data

HF-8093 Remote Control, 4 Channel Exciter 622-3467-XXX

Remote control of the HF-8014A exciter via serial data

HF-8094 Remote Control, 4 Channel Receiver 622-3477-XXX

Remote control of the HF-8054A receiver via serial data

HF-8095 Remote Control, Receiver 622-3386-001

Remote control of the 851S-1, 851S-2 receivers via serial da

HF-8096 SELSCAN Adaptive Processor 622-3502-XXX

HF-80 system control with ALE (Automatic Link Establishment) technology

Also

VP-100 Voice Security Unit 622-5750-001

373J-1 Radio Control Monitor (Analog) 622-6016-001

Grid Systems Laptop Computer CB1976 TSC60(V) with

C-12083 Audio Control Unit 686-5479-001

### **HF-80 Transmitters**

HF-8151/A Exciter/Amplifier 622-7503-001

2.0 – 30,000MHz, 10kw

Combines HF-8010A and HF-8022

### **HF-80 Systems**

HF-8130 Trans System 1kw 622-3400-001

HF-8135 RCVR-XMTR I kw 622-3401-001

HF-8040 Trans System 3kw 622-3402-001

HF-8045 RCVR-XMTR 3kw 622-3403-001

HF-8050 Trans System 10kw 622-3404-001

HF-8055 RCVR-XTMR 10 kw 622-3405-001

### **HF-80 Test sets**

TS-8010 Extender Card Kit 622-3431-001

TS-8022 PA Card Extender 622-3430-001

TS-8023 Test Set, PA Cards 622-3458-001

TS-8023A PA Card Test Set 622-8781-001  
TS-8024 Test Set, 1 KW Driver 622-3465-001  
TS-8040 Test Set, Cont. Monitor 622-3427-001  
TS-8041 Test Set Coupler 622-3466-001  
TS-8060 Test Set Pre selector 622-3459-001

HF-80 Options AC-80XX

SM-XX

MM-XX

AC-8010 Key, CW 622-3415-001

AC-8011 Foot Switch, Mic 622-3432-001

AC-8012 Oven Standard Kit 622-3460-001

AC-8013 External Standard Kit 622-3461-001

AC-8014 Local Frequency Display 622-3470-001

AC-8021 Remote Watt Meter 3KW 622-3483-001

AC-8022 Remote Watt Meter 10KW 622-3484-001

AC-8050 Headphones, Standard 622-3412-001

AC-8051 Headphones, lightweight 622-3413-001

AC-8075 TR Switch 3kw 622-3428-001

AC-8076 TR Switch 1kw 622-3429-001

MM-80 Handheld Microphone 128-0042-010

MM-81 Handheld Microphone 128-0042-020

SM-80 Desk Microphone 128-0042-060

SM-81 Universal Microphone 128-0042-080

SM-81 Desk Stand 128-0042-110

