



Figure 71. Radio Receiver R-208/FR, front view.

Status: Standard. *Stock No.:* 2C4547-2.5. *Reference:* TM 11-853.

Radio Receiver R-208/FR (Wilcox Electric type CW3) is a highly selective superheterodyne receiver designed for the reception of c-w signals. It is operated from ground station installations for point-to-point communication, or for the reception of signals from aircraft to ground.

Radio Receiver R-209/FR (Wilcox Electric type CW3) is designed for use with receiver bay (Wilcox Electric type 113A).

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 1.95 to 16.5 mc with 4 sets of plug-in coils:

Set 1: 1.95 to 3.6 mc.

Set 2: 3.5 to 6.1 mc.

Set 3: 5.6 to 10 mc.

Set 4: 9.4 to 16.5 mc.

NUMBER OF CRYSTALS: 1 (operating).

PRESET FREQUENCIES: 1 preset operation only.

ANTENNA: Doublet, rhombic, or other suitable type.

TYPE MODULATION: C-w only.

FREQUENCY CONTROL: Crystal.

POWER SOURCE: 115-v, 50- to 60-cyc, 70-w.

RANGE: Dependent upon antenna used, frequency, and ionospheric conditions.

NUMBER OF TUBES: 7.

GENERAL APPLICATION

USE: Point-to-point and air-to-ground. Designed for use in receiver bay (Wileox Electric type 113A), with long-range remote control.

TO COMMUNICATE WITH: Long-range stations or aircraft.

INSTALLATION: Fixed station.

PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
Radio Receiver R-208/FR....	3 15/32 x 12 1/2 x 19	20.6

WEIGHT AND VOLUME

	Unpacked	Domestic pack	Export pack
Total weight (lb).....	20.6	25	40
Total volume (cu ft).....		0.95	2.5