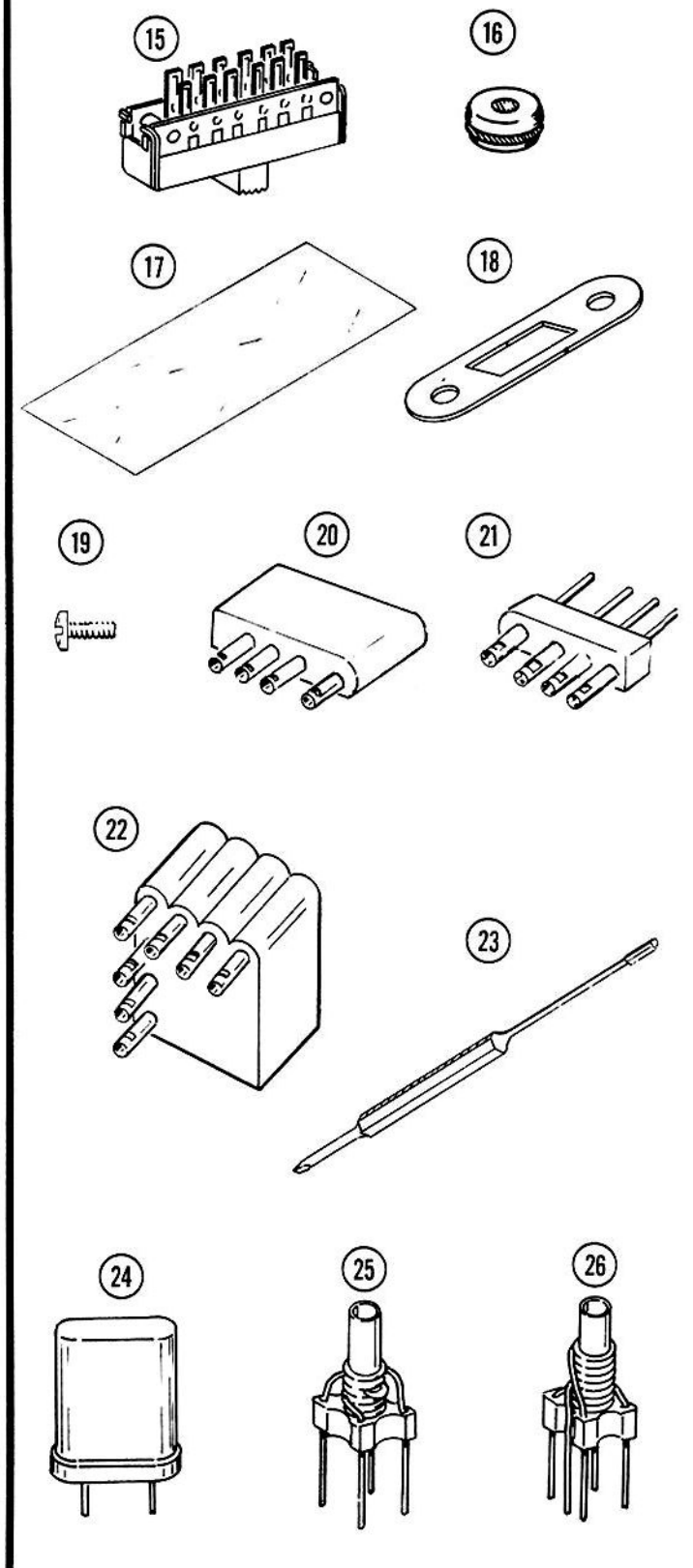
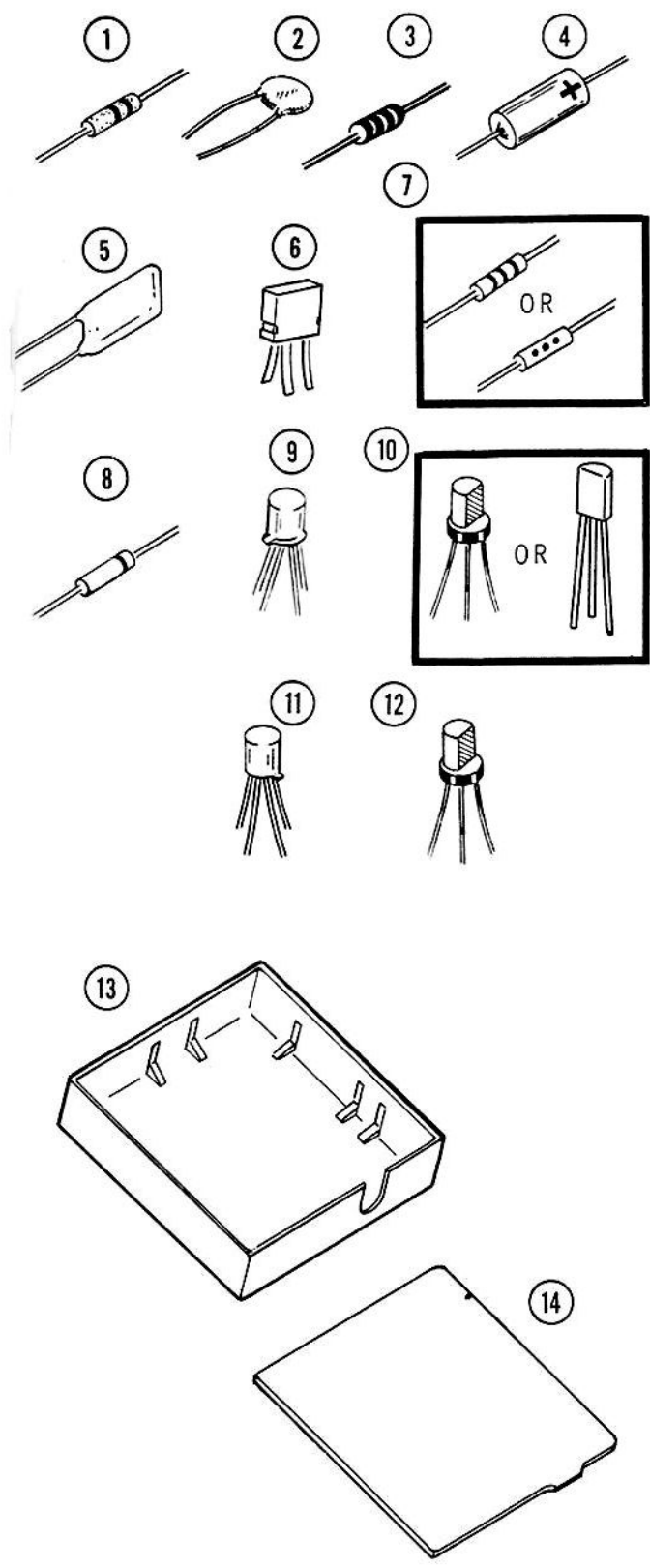


# RECEIVER PARTS PICTORIAL



# RECEIVER PARTS LIST

Unpack the Receiver pack marked with the first seven numbers, 171-2038 and Receiver Battery Pack marked with the first six numbers, 191-361. If you ordered a complete Radio Control System, you will also need two or more parts from Pack #8. The numbers in parentheses are keyed to the numbers on the Parts Pictorial.

PART No.	PARTS Per Kit	DESCRIPTION
<b>RESISTORS</b>		
<b>1/4 Watt</b>		
(1) 1-1-12	2	100 Ω (brown-black-brown)
1-35-12	1	470 Ω (yellow-violet-brown)
1-24-12	1	820 Ω (gray-red-brown)
1-2-12	8	1000 Ω (brown-black-red)
1-36-12	1	1500 Ω (brown-green-red)
1-4-12	4	2200 Ω (red-red-red)
1-5-12	1	2700 Ω (red-violet-red)
1-8-12	5	4700 Ω (yellow-violet-red)
1-26-12	2	5600 Ω (green-blue-red)
1-27-12	1	6800 Ω (blue-gray-red)
1-9-12	5	10 kΩ (brown-black-orange)
1-10-12	9	15 kΩ (brown-green-orange)
1-52-12	1	18 kΩ (brown-gray-orange)
1-45-12	2	22 kΩ (red-red-orange)
1-46-12	1	27 kΩ (red-violet-orange)
1-11-12	1	47 kΩ (yellow-violet-orange)
1-32-12	5	100 kΩ (brown-black-yellow)
1-41-12	1	33 kΩ (orange-orange-orange)

PART No.	PARTS Per Kit	DESCRIPTION
<b>CAPACITORS</b>		
<b>Disc</b>		
(2) 21-6	*	27 pF
21-147	*	47 pF
21-148	1	75 pF

PART No.	PARTS Per Kit	DESCRIPTION
<b>Disc (cont'd.)</b>		
21-140	3	.001 μF
21-141	1	.0033 μF
21-27	6	.005 μF
<b>Tubular Ceramics</b>		
(3) 21-174	1	180 pF (brown-gray-brown-white)
21-175	1	.001 μF (brown-black-red-yellow)

\*The quantity of these capacitors that you receive depends on the transmitting band you selected to have your Receiver (and Transmitter) operate on: the 27 MHz band, the 53 MHz band, or the 72 MHz band. Refer to the following chart. These parts will be in Pack #8 if you ordered a complete Radio Control System.

	QUANTITY		
	27 MHz	53 MHz	72 MHz
21-6	0	2	2
21-147	3	1	1



PART No.	PARTS Per Kit	DESCRIPTION
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**Tantalum**

(4)25-209	4	.047 $\mu$ F
25-210	1	.22 $\mu$ F
25-197	1	1.0 $\mu$ F
25-195	1	2.2 $\mu$ F
25-211	2	33.0 $\mu$ F

**Mylar\***

(5)27-74	2	.01 $\mu$ F
27-64	1	.033 $\mu$ F

**FILTERS-RF CHOKE**

(6)404-399	3	Ceramic filter
(7)45-73	1	2.2 $\mu$ H RF choke (red-red-gold)
45-80	1	1000 $\mu$ H RF choke (brown- black-red)

**DIODES-TRANSISTORS**

NOTE: Transistors will be marked with either the part number, the transistor type number, or both the part number and the type number.

(8)56-27	1	Crystal diode
56-56	7	1N4149 silicon diode
(9)57-47	5	Silicon-controlled switch (SCS) (GE X13B615)
(10)417-91	1	2N5232A/2N3391A transis- tor
417-118	3	2N3393 transistor
417-164	1	16G2349 transistor
(11)417-228	1	SE5055 transistor
(12)417-200	3	X29A826 transistor

**WIRE-SLEEVING**

344-50	1	Black solid wire
344-125	1	Black stranded wire
344-126	1	Brown wire
344-127	1	Red wire
344-128	1	Orange wire
344-129	1	Yellow wire
344-130	1	Green wire
344-131	1	Blue wire
344-134	1	White wire
346-1	1	Black sleeving
346-21	1	White sleeving

PART No.	PARTS Per Kit	DESCRIPTION
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**GENERAL**

(13)95-33	1	Case
(14)95-34	1	Case bottom
(15)60-35	1	Slide switch
73-39	1	Foam tape
(16)73-73	1	Rubber grommet
(17)75-126	1	Mylar insulator
85-412	1	Receiver circuit board (larger circuit board)
85-413	1	Decoder circuit board (smaller circuit board)
(18)205-559	1	Switch plate
(19)250-49	2	3-48 x 1/4" screw
390-244	1	Heathkit decorative label
390-348	1	FCC label
(20)432-103	3	4-lug socket
(21)432-104	2	4-pin plug
(22)432-105	1	Large block connector
(23)490-109	1	Alignment tool
		Solder

**\* CRYSTAL**

Only one of the following crystals is supplied with this kit.

			Receiver Crystal	Transmitted Frequency
(24)404-384	1		26.542 MHz	26.995 MHz
404-385	1		26.592 MHz	27.045 MHz
404-386	1		26.642 MHz	27.095 MHz
404-387	1		26.692 MHz	27.145 MHz
404-388	1		26.742 MHz	27.195 MHz
404-389	1		26.3235 MHz	53.100 MHz
404-390	1		26.3735 MHz	53.200 MHz
404-391	1		26.4235 MHz	53.300 MHz
404-392	1		26.4735 MHz	53.400 MHz
404-393	1		26.5235 MHz	53.500 MHz
404-394	1		36.2665 MHz	72.080 MHz
404-395	1		36.3465 MHz	72.240 MHz
404-396	1		36.4265 MHz	72.400 MHz
404-397	1		36.7065 MHz	72.960 MHz
404-398	1		37.5935 MHz	75.640 MHz

\* Your crystal will be in Pack #8 if you ordered a complete Radio Control System.

## \* TRANSFORMERS

NOTE: The antenna and RF transformers you receive with this kit depend on the transmitting band you selected for your Receiver (27 MHz, 53 MHz, or 72 MHz).

For 27 MHz Band Receivers (26.995, 27.045, 27.095, 27.145, and 27.195 MHz)

PART No.	PARTS Per Kit	DESCRIPTION
(25)40-913	1	4-lead variable transformer
(26)40-914	1	5-lead variable transformer

For 53 MHz Band Receivers (53.100, 53.200, 53.300, 53.400, and 53.500 MHz)

(25)40-915	1	4-lead variable transformer
(26)40-916	1	5-lead variable transformer

For 72 MHz Band Receivers (72.080, 72.240, 72.400, 72.960, and 75.640 MHz)

(25)40-917	1	4-lead variable transformer
(26)40-918	1	5-lead variable transformer

\*These parts will be in Pack #8 if you ordered a complete Radio Control System.

