

This Manual is provided by  
***CBTricks.com***

Someone who wanted to help you repair your equipment put together this information.

## Cobra 146GTL Parts List

If you would like to help us put more manuals online support us.

**If you would like to help with this project let us know.**

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

If your company would like to provide technical information to be featured on this site I will put up on the site as long as I can do it in a non-commercial way.

The site is supported with donation from users, friends and selling of the Galaxy Service Manual CD to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.

This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

**Thank you for any support you can give.**

# BILL OF MATERIAL FOR COBRA 146GTL

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
----------------	-------------	-------------------

## SEMICONDUCTORS

IC-1	Integrated Circuit,	TA75902P .....
IC-2	Integrated Circuit,	$\mu$ PD2824C .....
IC-3	Integrated Circuit,	AN612 .....
IC-4	Integrated Circuit,	$\mu$ PC1182H .....
IC-5	Integrated Circuit,	SO42P .....

TR-4,5,7,8,9,10,11,18, 24,25,27,29,30,32, 34,36,42,45,46	Transistor, .....	
--	-------------------	--

TR-12,14	Transistor,	2SC1674-L .....
TR-1,2,13,15,16,19,20, 21,22,23,37	Transistor,	2SC1675-L .....

TR-3,17,41	Transistor,	2SC1730-L .....
TR-39	Transistor,	2SC2166-C .....
TR-38	Transistor,	2SC1969-B .....
TR-40	Transistor,	2SC2086-D .....
TR-31,33,43	Transistor,	2SB525-C .....
TR-35	Transistor,	2SA473-O .....
TR-44	Transistor,	2SA1012-O .....
TR-6,28	Transistor,	2SA733-P .....
TR-26	Transistor,	2SC1312F .....

D-3,4,6,7,8,9,12,15,16, 17,18,19,20,21,22,23, 24,26,27,28,29,31,32, 34,35,36,37,38,39,40, 41,42,43,45,46,47,48, 51,52,53,56,66,70	Diode,	1S2075K .....
--	--------	---------------

D-1,2,5,10,11	Diode,	1N60 .....
D-13,14	Diode,	MC301 .....
D-501	Diode,	1N4003 .....
D-25,30	Diode, Vari-Cap,	1S2688EB .....
D-401	Diode, LED,	DR-202AL .....
D-402	Diode, LED,	TLRG-101 .....
D-33	Diode, Zener,	RD5.1EB2 .....
D-50	Diode, Zener,	RD7.5EB2 .....
D-49	Varistor,	KB262 .....
D-54,55	Varistor,	MV-1Y .....

## INDUCTORS

L-1	Coil,	LA-120 .....
L-14	Coil,	LA-165 .....
L-13,15,39	Coil,	LA-166 .....
L-16,21	Coil,	LA-217 .....
L-38	Coil,	LA-220 .....
L-5	Coil,	LA-259 .....
L-4	Coil,	LA-260 .....
L-18	Coil,	LA-265 .....
L-19,20	Coil,	LA-266 .....
L-17	Coil,	LA-273 .....
L-2,9	Coil,	LA-277 .....

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**INDUCTORS (Continued)**

L-3	Coil,	LA-279	.....
L-6,7,8,40	Coil,	LA-350	.....
L-10	Coil,	LA-351	.....
L-37	Coil,	LA-352	.....
L-27	Coil,	LC-072	.....
L-31	Coil,	LD-033	.....
L-11	Coil,	LD-077	.....
L-29,32,33,35,36,41,42	Coil,	LD-087	.....
L-501	Coil,	LD-089	.....
L-24,26	Coil,	LE-088	.....
L-25	Coil,	LE-089	.....
L-34	Coil,	LE-151	.....
L-28	Coil,	LE-187	.....
L-30	Coil,	LE-188	.....
L-12,22,23	Inductor, Molded,	LZ-012 470 $\mu$ H	.....
T-1	Transformer, AF choke,	TF-083	.....

**SEMI-FIXED & VARIABLE RESISTORS**

VR-8	Resistor, Semi-fixed,	RV-182	100 ohm B	.....
VR-5	Resistor, Semi-fixed,	RV-182	1K ohm B	.....
VR-9	Resistor, Semi-fixed,	RV-182	3K ohm B	.....
VR-1,10	Resistor, Semi-fixed,	RV-182	5K ohm B	.....
VR-4,6	Resistor, Semi-fixed,	RV-182	10K ohm B	.....
VR-3	Resistor, Semi-fixed,	RV-182	50K ohm B	.....
VR-7	Resistor, Semi-fixed,	RV-182	100K ohm B	.....
VR-2	Resistor, Semi-fixed,	RV-182	200K ohm B	.....
VR-404	Resistor, Variable,	RV-498	1K ohm B	RF GAIN
VR-403	Resistor, Variable,	RV-500	20K ohm B	.....
				VOICE LOCK
VR-402	Resistor, Variable,	RV-501	50K ohm B	SQUELCH
VR401,S-401	Resistor, Variable,	RV-486	50K ohm A	VOLUME POW. SW

**FIXED RESISTORS**

**NOTE:**

Resistor tolerance: J =  $\pm 5\%$       K =  $\pm 10\%$

R-175	Resistor, Metal Film,	100 ohm	1W K	...
R-189,215	Resistor, Carbon, Axial Lead,	150 ohm	1/2W J	...
R-186	Resistor, Carbon, Axial Lead,	10K ohm	1/2W J	...
R-211	Resistor, Carbon, Axial Lead,	15 ohm	1/8W J	...
R-406	Resistor, Carbon, Axial Lead,	47 ohm	1/8W J	...
R-105	Resistor, Carbon, Axial Lead,	56 ohm	1/8W J	...
R-9,75	Resistor, Carbon, Axial Lead,	68 ohm	1/8W J	...
R-68,134,501	Resistor, Carbon, Axial Lead,	100 ohm	1/8W J	...
R-4,123	Resistor, Carbon, Axial Lead,	220 ohm	1/8W J	...
R-402	Resistor, Carbon, Axial Lead,	390 ohm	1/8W J	...
R-203	Resistor, Carbon, Axial Lead,	470 ohm	1/8W J	...
R-201	Resistor, Carbon, Axial Lead,	560 ohm	1/8W J	...
R-28,408,409,413	Resistor, Carbon, Axial Lead,	680 ohm	1/8W J	...
R-35,49,61,161	Resistor, Carbon, Axial Lead,	1K ohm	1/8W J	...
R-155,198	Resistor, Carbon, Axial Lead,	1.5K ohm	1/8W J	...

CIRCUIT  
SYMBOL

## DESCRIPTION

DYNASCAN  
PART NO.

## FIXED RESISTORS (Continued)

R-7,139	Resistor, Carbon, Axial Lead,	2.7K ohm	1/8W J ....
R-34,84,137,208	Resistor, Carbon, Axial Lead,	3.3K ohm	1/8W J ....
R-63	Resistor, Carbon, Axial Lead,	8.2K ohm	1/8W J ....
R-46,59,107,213	Resistor, Carbon, Axial Lead,	10K ohm	1/8W J ....
R-93	Resistor, Carbon, Axial Lead,	22K ohm	1/8W J ....
R-21	Resistor, Carbon, Axial Lead,	39K ohm	1/8W J ....
R-6	Resistor, Carbon, Axial Lead,	47K ohm	1/8W J ....
R-20	Resistor, Carbon, Axial Lead,	82K ohm	1/8W J ....
R-19	Resistor, Carbon, Axial Lead,	100K ohm	1/8W J ....
R-143,193	Resistor, Carbon, Formed VERT,	10 ohm	1/8W J ....
R-85	Resistor, Carbon, Formed VERT,	15 ohm	1/8W J ....
R-182,196	Resistor, Carbon, Formed VERT,	47 ohm	1/8W J ....
R-11,99,173,187	Resistor, Carbon, Formed VERT,	56 ohm	1/8W J ....
R-52,54,57,72,104,106, 199,202	Resistor, Carbon, Formed VERT,	100 ohm	1/8W J ....
R-74	Resistor, Carbon, Formed VERT,	150 ohm	1/8W J ....
R-141,182	Resistor, Carbon, Formed VERT,	220 ohm	1/8W J ....
R-73	Resistor, Carbon, Formed VERT,	270 ohm	1/8W J ....
R-5,8,17,192,195,197, 407	Resistor, Carbon, Formed VERT,	330 ohm	1/8W J ....
R-149,151	Resistor, Carbon, Formed VERT,	390 ohm	1/8W J ....
R-41,58,87,112,152,204 206	Resistor, Carbon, Formed VERT,	470 ohm	1/8W J ....
R-145,212	Resistor, Carbon, Formed VERT,	560 ohm	1/8W J ....
R-3,66,113,171,217,410, 411,412,414,415,416, 417,418	Resistor, Carbon, Formed VERT,	680 ohm	1/8W J ....
R-144	Resistor, Carbon, Formed VERT,	820 ohm	1/8W J ....
R-39,48,50,89,95,98,103, 125,166,174,183,191, 214,220,221,403	Resistor, Carbon, Formed VERT,	1K ohm	1/8W J ....
R-62	Resistor, Carbon, Formed VERT,	1.2K ohm	1/8W J ....
R-71,109,129,131,163, 177,194,205,404	Resistor, Carbon, Formed VERT,	1.5K ohm	1/8W J ....
R-116,178	Resistor, Carbon, Formed VERT,	1.8K ohm	1/8W J ....
R-47,51,53,67,91,127,158	Resistor, Carbon, Formed VERT,	2.2K ohm	1/8W J ....
R-18,40,42,76,138,142, 148,153,167	Resistor, Carbon, Formed VERT,	3.3K ohm	1/8W J ....
R-219,405	Resistor, Carbon, Formed VERT,	3.9K ohm	1/8W J ....
R-102,117,118,119,128, 162,181	Resistor, Carbon, Formed VERT,	4.7K ohm	1/8W J ....
R-65,86,209	Resistor, Carbon, Formed VERT,	5.6K ohm	1/8W J ....
R-97	Resistor, Carbon, Formed VERT,	6.8K ohm	1/8W J ....
R-1,12,13,15,16,31,32,37, 43,44,55,92,94,101,111, 124,126,147,156,157,159, 164,168,176,179,216,401	Resistor, Carbon, Formed VERT,	10K ohm	1/8W J ....
R-185	Resistor, Carbon, Formed VERT,	12K ohm	1/8W J ....
R-45,96,122,150	Resistor, Carbon, Formed VERT,	15K ohm	1/8W J ....
R-207	Resistor, Carbon, Formed VERT,	18K ohm	1/8W J ....
R-33,64,108,114,115,154	Resistor, Carbon, Formed VERT,	22K ohm	1/8W J ....
R-2	Resistor, Carbon, Formed VERT,	33K ohm	1/8W J ....
R-36,69,79,81,165	Resistor, Carbon, Formed VERT,	47K ohm	1/8W J ....
R-56	Resistor, Carbon, Formed VERT,	82K ohm	1/8W J ....
R-10,26,27,29,30,82,83, 121,146	Resistor, Carbon, Formed VERT,	100K ohm	1/8W J ....

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**FIXED RESISTORS (Continued)**

R-23	Resistor, Carbon, Formed VERT,	150K ohm	1/8W J ....
R-135	Resistor, Carbon, Formed VERT,	180K ohm	1/8W J ....
R-38	Resistor, Carbon, Formed VERT,	220K ohm	1/8W J ....
R-25,136	Resistor, Carbon, Formed VERT,	270K ohm	1/8W J ....
R-78	Resistor, Carbon, Formed VERT,	330K ohm	1/8W J ....
R-14	Resistor, Carbon, Formed VERT,	470K ohm	1/8W J ....
R-22	Resistor, Carbon, Formed VERT,	560K ohm	1/8W J ....
R-184	Resistor, Carbon, Formed VERT,	680K ohm	1/8W J ....
R-77	Resistor, Carbon, Formed VERT,	1.5M ohm	1/8W J ....
R-24	Resistor, Carbon, Formed VERT,	4.7M ohm	1/8W J ....

**CAPACITORS**

**NOTE:**

The first code indicates tolerance of capacitance:

C =  $\pm 0.25\text{pF}$ , D =  $\pm 0.5\text{pF}$ , F =  $\pm 1\text{pF}$ , G =  $\pm 2\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$ , Z =  $+70\% -20\%$

The second code indicates variation of capacitance with temperature:

YA =  $\pm 5\%$ , YB =  $\pm 10\%$ , YD =  $+20 -30\%$ , YE =  $+20 -50\%$ , YF =  $+30 -70\%$ , ( $-25 \sim +85^\circ\text{C}$ ), ZF =  $+30 -80\%$  ( $-10 \sim +70^\circ\text{C}$ ), CH =  $0 \pm 60\text{ppm}/^\circ\text{C}$ , RH =  $-220\text{ppm}/^\circ\text{C} \pm 60\text{ppm}/^\circ\text{C}$ , CJ =  $0 \pm 120\text{ppm}/^\circ\text{C}$ , RJ =  $-220\text{ppm}/^\circ\text{C} \pm 120\text{ppm}/^\circ\text{C}$ , TH =  $-470\text{ppm}/^\circ\text{C} \pm 60\text{ppm}/^\circ\text{C}$ , UJ =  $-750\text{ppm}/^\circ\text{C} \pm 120\text{ppm}/^\circ\text{C}$ , SL =  $+350\text{ppm}/^\circ\text{C} \sim -1000\text{ppm}/^\circ\text{C}$

C -135	Capacitor, Tantalum,	10 $\mu\text{F}$	10V	M	.....
C-11,54,127	Capacitor, Electrolytic,	0.47 $\mu\text{F}$	50V		.....
C-63,64,86,128,142,152, 180,401	Capacitor, Electrolytic,	1 $\mu\text{F}$	50V		.....
C-68,69	Capacitor, Electrolytic,	2.2 $\mu\text{F}$	25V		.....
C-131,134	Capacitor, Electrolytic,	4.7 $\mu\text{F}$	25V		.....
C-30	Capacitor, Electrolytic,	10 $\mu\text{F}$	16V		.....
C-28,123	Capacitor, Electrolytic,	22 $\mu\text{F}$	10V		.....
C-16,17,24,26,126,136, 141	Capacitor, Electrolytic,	47 $\mu\text{F}$	10V		.....
C-71,105,116,183	Capacitor, Electrolytic,	100 $\mu\text{F}$	10V		.....
C-113	Capacitor, Electrolytic,	220 $\mu\text{F}$	6.3V		.....
C-132	Capacitor, Electrolytic,	330 $\mu\text{F}$	16V		.....
C-184,186	Capacitor, Electrolytic,	1000 $\mu\text{F}$	25V		.....
C-25	Capacitor, Mylar,	0.001 $\mu\text{F}$	50V	K	.....
C-112,137,169	Capacitor, Mylar,	0.01 $\mu\text{F}$	50V	K	.....
C-27,76,111,118,125,138, 196	Capacitor, Mylar,	0.047 $\mu\text{F}$	50V	K	.....
C-29,129,133,139,155,158	Capacitor, Mylar,	0.1 $\mu\text{F}$	50V	K	.....
C-117	Capacitor, Mylar,	0.0047 $\mu\text{F}$	50V	K	.....
C-251	Capacitor, Ceramic,	0.5pF	50V	C SL	.....
C-172	Capacitor, Ceramic,	1pF	50V	C SL	.....
C-41,46,47,72	Capacitor, Ceramic,	2pF	50V	C SL	.....
C-22,49,73	Capacitor, Ceramic,	5pF	50V	D SL	.....
C-1,37,61,78,82,110	Capacitor, Ceramic,	10pF	50V	K SL	.....
C-19,23	Capacitor, Ceramic,	15pF	50V	K SL	.....
C-21	Capacitor, Ceramic,	18pF	50V	K SL	.....
C-56,87	Capacitor, Ceramic,	22pF	50V	K SL	.....
C-65	Capacitor, Ceramic,	27pF	50V	K SL	.....
C-175,176	Capacitor, Ceramic,	33pF	50V	K SL	.....
C-144,147	Capacitor, Ceramic,	39pF	50V	K SL	.....
C-62,109,148	Capacitor, Ceramic,	47pF	50V	K SL	.....
C-66	Capacitor, Ceramic,	56pF	50V	K SL	.....

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**CAPACITORS (Continued)**

C-8,143	Capacitor, Ceramic,	82pF	50V	K	SL	.....
C-4,98	Capacitor, Ceramic,	100pF	50V	K	SL	.....
C-108	Capacitor, Ceramic,	150pF	50V	K	SL	.....
C-91,145,146	Capacitor, Ceramic,	180pF	50V	K	SL	.....
C-79,99,163,170	Capacitor, Ceramic,	270pF	50V	K	SL	.....
C-12,14,115	Capacitor, Ceramic,	330pF	50V	K	SL	.....
C-81,92,159	Capacitor, Ceramic,	390pF	50V	K	SL	.....
C-166	Capacitor, Ceramic,	470pF	50V	K	SL	.....
C-178	Capacitor, Ceramic,	3pF	50V	D	UJ	.....
C-32	Capacitor, Ceramic,	18pF	50V	K	RH	.....
C-101,179	Capacitor, Ceramic,	22pF	50V	K	CH	.....
C-77	Capacitor, Ceramic,	33pF	50V	K	CH	.....
C-75	Capacitor, Ceramic,	47pF	50V	K	UJ	.....
C-149,156	Capacitor, Ceramic,	390pF	50V	K	UJ	.....
C-102	Capacitor, Ceramic,	82pF	50V	K	RH	.....
C-103	Capacitor, Ceramic,	15pF	50V	K	RH	.....
C-7,13,35,38,42,43,44, 74,80,94,95,119,162, 182,187,188,189,190, 503,504,505	Capacitor, Ceramic,	0.001 $\mu$ F	50V	Z	YF	.....
C-2,3,6,9,15,18,31,33,34, 39,45,48,50,52,53,59, 67,83,84,85,93,97,104, 106,107,122,164,168, 173,177,185	Capacitor, Ceramic,	0.01 $\mu$ F	50V	Z	YF	.....
C-5,36,51,55,57,58,88, 89,90,96,121,153,181	Capacitor, Ceramic,	0.047 $\mu$ F	50V	Z	ZF	.....
C-195	Capacitor, Ceramic,	0.022 $\mu$ F	50V	Z	YF	.....
C-502	Capacitor, Ceramic,	0.0047 $\mu$ F	50V	Z	YF	.....
C-157,161	Capacitor, Ceramic,	100pF	50V	K	UJ	.....
C-167,194,198	Capacitor, Ceramic,	0.0047 $\mu$ F	50V	M	YD	.....
C-154,165,174,191	Capacitor, Ceramic,	0.01 $\mu$ F	50V	M	YD	.....

**CRYSTALS**

X-1	Crystal, QX-122	10.2417 MHz	.....
X-2	Crystal, QX-122	10.6975 MHz	.....

**MISCELLANEOUS**

	PC Board, Main,	PC-833AD	.....
	PC Board, CONT,	PC-839AD	.....
	PC Board, Check Point,	PC-834AA	.....
	PC Board, Mic Jack,	PC-266AA	.....
FL-1	Filter, Crystal,	FL-090	.....
S-1	Switch, Rotary,	SR-216	CHANNEL
S-402	Switch, Rotary,	SR-297	MODE
S-403	Switch, Slide,	SW-250	PA-CB
S-404	Switch, Slide,	SW-252	OFF-ANL-NB...
SP-501	Speaker,	SP-057	.....
M-401	Meter,	MT-206	.....
	Microphone,	MK-185	.....
J-504	Receptacle, DC Power,	JK-052	.....
J-505	Jack, Antenna,	JK-035	.....
J-501	Jack, Microphone,	JK-087	.....

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**MISCELLANEOUS (Continued)**

J-1,2	Jack, Speaker,	JK-089 .....		
	Socket, IC,	SK-032 .....		
	Socket, Transistor,	SK-031	TX/RX LED	
TP-6,7,8	Terminal, Check Point,	TP-044 .....		
IC-4	Insulation Sheet,	YD-047 .....		
TR-35,44	Insulation Sheet,	YD-005004 .....		
TR-38,39	Insulation Sheet, Almina,	YY-027 .....		
TR-38,39,44	Bushing, Tight Ceramic,	YY-147 .....		
	Fuse,	FS-014 4A .....		
	DC Power Cord,	W-070234 .....		
FC-1	Flat Cable,	WF-008	L=130	.....
FC-2	Flat Cable,	WF-009	L=110	.....
FC-3,4	Flat Cable,	WF-011	L=110	.....
	Chassis, Side,	SPCC	t=1	ZMC .....
	Chassis, Rear,	ALPI	t=2	.....
	Lug, Terminal, Ground,	BsPI	t=0.3	Ni .....
	Cover, Top,	SBK-08S .....		
	Cover, Bottom,	SBK-08S .....		
	Mounting Bracket,	SPCC	t=1.6	ZMC .....
	Hanger, Microphone,	SPCC	t=1	Ni .....
	Washer for CHSW, .....			
	Earth Plate,	SPTF .....		
	Panel, Front,	ABS .....		
	Knob Channel,	ABS	Cr-1	.....
	Knob,	ABS	Cr-1	.....
	Optical Filter, Display,		t=1.0	.....
	Rubber Washer, .....			
	Heat Sink,	ALP .....		
	SW Holder, .....			
	Screw, Mounting,	BsBM	Ni-3	.....
	Plate, Front Panel,	ALP	t=0.5	.....
	ID Plate, FCC,	ALP	t=1.0	.....
	P.C.B. Spacer, .....			
	Protection Cover, Chassis, .....			
	Washer, Rubber,		t=2	.....
	Label, Serial No., .....			
	Insulation Plate, .....			
	Label, Warning, DC Cord, .....			
	Washer, Faiber, .....			
	Screw, Pan Hd Plastic,	M3x6	P=0.5	.....
	Screw, Flat Hd,	M3x5	P=0.5	Ni .....
	Screw, Bind Hd,	M2.6x12	P=0.45	Ni .....
	Screw, Bind Hd,	M2.6x10	P=0.45	Ni .....
	Screw, Bind Hd,	M3x6	P=0.5	Ni .....
	Screw, Bind Hd,	M3x8	P=0.5	Ni .....
	Tapping Screw, Bind Hd,	φ3x6		ZMC...
	Tap Tight Screw, Bind Hd,	M3x6	P=0.5	ZMC...
	Tapping Screw, Round Hd,	φ3.5x8		ZMC...
	Tapping Screw, Round Hd,	φ5x10		ZMC...
	Screw, Bind Hd,	M2.6x4		Ni .....
	Nut, Hex,	M2.6		Ni .....
	Screw, Bind Hd,	M2x4		Ni .....
	Nut, Flange,	M3		ZMC...
	Washer, Lock,	3.5		ZMC...
	Washer, Star,	5		ZMC...

CIRCUIT  
SYMBOL

DESCRIPTION

DYNASCAN  
PART NO.

MISCELLANEOUS (Continued)

TM-105

Tapping Screw Bind Hd,  $\phi$ 3x10 ZMC ...  
Wool-coated Paper, Wool Tack, 150Lx10Wx0.3t .....  
Spring Plate, Knob,  $\phi$ 6 .....  
Spring Plate, Knob,  $\phi$ 6 .....  
Rivet, AL, ID Plate,  $\phi$ 3.2x5 .....  
One Year Warranty, .....  
Styrofoam Pad, .....  
Styrofoam Pad, .....  
Display Box, .....  
Shipping Carton Box, .....  
Owners/Instruction Manual, .....  
Schematic Diagram, .....  
Warranty Card, .....  
FCC Rules Part 95, .....  
Service Station Card, .....