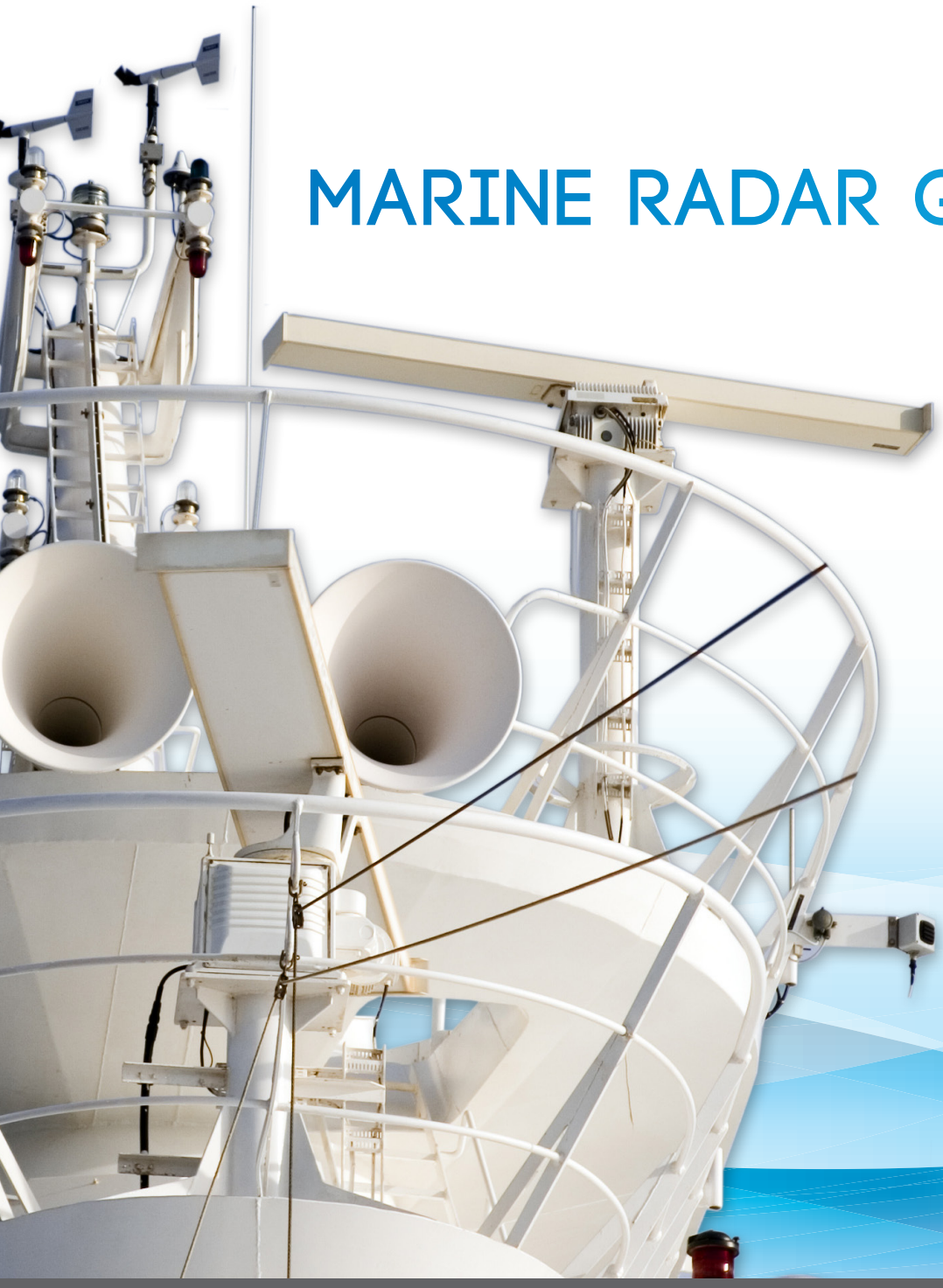
Richardson Electronics

MARINE RADAR GUIDE

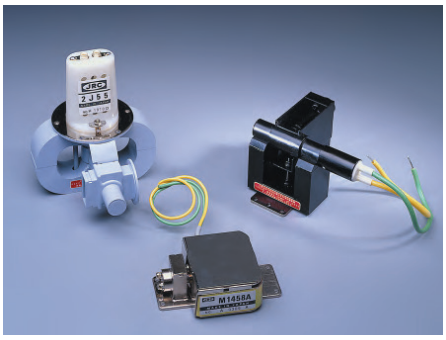


About Richardson Electronics

As the leading distributor for NJRC marine products, Richardson Electronics is committed to offering consistent, reliable service. Certified as an ISO9001 distributor, Richardson offers such special services as a 24-hour-a-day hot line number (1-800-348-5580), same day shipments for all orders or stocked items that are placed by mid-afternoon and flexible credit and return programs.

Richardson Electronics has the ability to invoice in over 33 local currencies and provide same day shipments from one of our worldwide warehouse hubs. With a presence in over 50 countries. Richardson Electronics has an experienced sales and technical staff that can address any issues you may have.

Magnetrons



Improvements to cathode and cavity design has enabled NJRC to produce long life, high reliability, frequency stable magnetrons. NJRC's long life cathode magnetrons installed in the field have achieve more than 10,000 operational life. Their patented V9 technology offers advance spectrum control of spurious emissions meeting the strictest of ITU regulations. High quality and excellent reliability allows NJRC to offer the most generous warranty in the industry (3000 hours or 3 year). NJRC offers a wide arrangement of magnetrons from 2kW to 3.2 MW in S and X band.

Low Noise Front Ends

NJRC manufactures a line of low noise front ends (LNFE) suitable for every marine application from economical pleasure boat radar to premium performance High-Seas radar. The employment of GaAs FET and HEMT technology allows NJRC to improve performance while decreasing the noise factor. Latest designs offer sensitivity timing control suppressing clutter and improving radar receiver sensitivity.

Limiters

Solid state and high power vacuum limiters are available in both S and X band capable of protecting power levels up to 100 kW. Limiters contain band pass filters to protect the receiver from spurious emissions. NJRC also offers limiters with an external pin attenuator for sensitivity tme control.

Circulators

Three-port circulators are available from NJRC in both X-band and S-band frequencies in E-plane or H-plane configurations.

About New Japan Radio Company (NJRC)

For more than 50 years NJRC has developed state of the art devices for marine radar. Their modern microwave factory utilizes robotic, test and production equipment enabling them to build high quality reliability products. NJRC's improvements to their cathode design led to the development of their patented Extended Surface Area Cathode (ESAC). Magnetron containing an ESAC have achieved more than 10,000 hours of operation without any degradation to performance. Special attention to limiting off-harmonic signals is a priority. Magnetrons are adjusted to optimize output power and frequency spectrum, while restricting off-harmonic signals.

V9 Technology™

NJRC introduced a new generation of magnetrons using their patented V9 Technology™. This technology decreases spurious emissions and assists the radar manufacturers in meeting the latest ITU regulations. New V9 Technology required a total redesign of the internal structure of the magnetron. Its technological advances offer a spectrum with a narrow bandwidth, better symmetry, shorter rise time (typically 8-17 nanoseconds) and lower π-1 spurious emissions.

Specifications of the new ASC magnetrons are listed below. Contact your nearest Richardson Electronics sales office for more information and data sheets.

ASC Magnetrons		
Part Number	**Frequency**	**Output Power**
MAF1610B	9380-9440	2 kW
MAF1611B	9380-9440	4 kW
MSF1611B	9380-9440	4 kW
MAF1562B	9380-9440	6 kW
MAF1562R	9380-9440	6 kW
MSF1562B	9380-9440	6 kW
MAF1565N	9380-9440	10 kW
MSF1565N	9380-9440	10 kW
MAF1615B	9380-9440	12 kW
M1568BS	9380-9440	25 kW
M1555	3040-3060	30 kW

NJRC's state-of-the-art factory is ISO9001 and ISO14001 certified. This certification attests to NJRC's high precision and high quality standards.

RoHS

To reduce the environmental burden caused by the use and disposal of products. NJRC utilizes non-hazardous substances in many of their devices. Today, all currently manufactured ESAC, ASC magnetrons, circulators and LFNEs from NJRC are RoHS compliant.

Look for the RoHS symbol on all NJRC RoHS-compliant products.

RoHS Compliant

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ANRITSU				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
AR316A	M1325L or 9M752			NJS7901A
ARC12A	MVF1425B			NJS7901A
ARC32A	MVF1425B			
ARG16A	9M61			
ARL12A	9M61			
ARL31K	9M72	TL368A	NJC3901A	NJS7901A
ARL51	2J55	9X64/TL368A		NJS7901A
ARL52	2J55	9X64/TL368A		NJS7901A
ARM11	MVS1425A	9X64/TL368A		NJS7901A
ARM112A	9M602			NJS7901A
ARM12	MVS1425A	9X64/TL368A		NJS7901A
ARM14	MVS1425A	9X64/TL368A		NJS7901A
ARM14A	MVS1425A	9X64/TL368A		NJS7901A
ARM16	MVS1425A	TL368A		NJS7901A
ARM16A	MVS1425A	TL368A		NJS7901A
ARM18	MVS1425A	TL368A		NJS7901A
ARM31	M1304	9X64/TL368A		
ARM310	9M72			
ARM311	9M72			
ARM32	M1304	9X64/TL368A		
ARM34	M1304	9X64/TL368A		
ARM51	2J55	9X64/TL368A		NJS7901A
ARS02R	MVS1422B	TL368A		NJS7901A
ARS02R-D	MVS1422B	9X64/TL368A		NJS7901A
ARS04R	MVS1422B	TL368A		NJS7901A
ARS08A	MSF1422B			NJS7901A
ARS12	MVS1425A	9X64/TL368A		NJS7901A
ARS14A	MVS1425A	TL368A		NJS7901A
ARS16A	MVF1425B			NJS7901A
G50	2J70B	BLT119		NJS3301A
L50	2J70B	BLT119		NJS3301A
M16	MVS1425A	TL368A		
M32	9M72	TL368A		NJS7901A
RA30	M1489	NJS6931	T-junction	NJT1949A
RA31	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA32	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA40	M1489	NJS6931	T-junction	NJT1949A
RA40C	M1489	NJS6931	T-junction	NJT1949A
RA41	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA41C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA43	MSF1422B	NJS6930		NJT1973
RA43C	MSF1422B	NJS6930		NJT1973
RA44	MSF1425B	NJS6930		NJT1973
RA44C	MSF1425B	NJS6930		NJT1973
RA51	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA52	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA53	MSF1422B	NJS6930		NJT1973
RA54	MSF1425B	NJS6930		NJT1973
RA55	M1458A	NJS6930	NJC3901C	NJT1973
RA701SA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA702SA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA710CA	MSF1425B			NJT1946A
RA711CA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA712CA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA713	MSF1425B	NJS6930	NJC3901C	NJT1959
RA714	M1458	NJS6930	NJC3901C	NJT1959
RA720UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA721UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722PA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA723	M1458A	NJS6930	NJC3901C	NJT1959
RA724	M1458A	NJS6930	NJC3901C	NJT1959

See next page for more model numbers.

ANRITSU (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
RA725	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA726	MSF1425B	NJS6930	NJC3901C	NJT1959
RA726UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA753				
RA770	MSF1421B	NJS6930	NJC3901D	NJT1959
RA770UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA770UA	MSF1425B	NJS6930	NJC3901B	NJT1946A
RA771	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA	MSF1425B	NJS6930	NJC3901B	NJT1946A
RA771UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA772	M1489	NJS6931	T-JUNCTION	NJT1949A
RA772UA	M1489	NJS6931		NJT1949
RA773	MSF1421B	NJS6930	NJC3901D	NJT1949A
S14	MVS1425A	TL368A		

ATLAS ELECTRONICS				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1000 10kW	MSF1425A	NJS6930A	NJC3901B	NJT1973
1000 12.5kW	MSF1425A	NJS6930A	NJC3901B	NJT1973
1000 25kW	M1475A	NJS6930A	NJC3901B	NJT1973
1000 25kW-S BAND	M1302L			NJS4310D
1555	MVS1425A	QF451/BS810		
2000	MRF1421C	TL368A		
2100	MRF1421C			
2205	M1311L	QF451/BS810		
2207	M1311L	QF451/BS810		
5000	M1311L	QF451/BS810		
3000	MVS1425A	QF451/BS810		
3200	MRF1421C	TL368A		
4000 9KW	MVS1425A	QF451/BS810		
4000 20KW	M1311L	JF409L/BS260		
4100	MRF1421C	JF409L/BS260		
4101	MRF1421C	JF409L/BS260		
4300	MRF1424B	JF409L/BS260		
4500	M1311L	JF409L/BS260		
5100	MRF1421C	JF409L/BS260		
5101	MRF1424B	JF409L/BS260		
5300	MRF1424B	JF409L/BS260		
5500	M1311L	JF409L/BS260		
5500S	M1302L	QF38A/BS894		
5600SAC	M1302L	BS894		
5600SRM	M1302L	BS894		
5600SAC	M1302L	BS894		
5600STM	M1302L	BS894		
5600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
5600XRM	M1311L	NJS6928	NJC3901B	NJT1946A
5600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
5600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
6500	M1311L	JF409L/BS260		
6500BCA	M1311L	JF409L/BS260		
6500S	M1302L	QF38A/BS894		
6500SBCA	M1302L	QF38A/BS894		
7600AC	M1311L	JF409L/BS260		
7600RM	M1311L	JF409L/BS260		
7600SAC	M1302L	BS894		
7600SRM	M1302L	BS894		
7600SAC	M1302L	BS894		
7600STM	M1302L	BS894		
7600S ARPA	M1302L	BS894		
7600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
7600XRM	M1311L	NJS6928	NJC3901B	NJT1946A
7600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
7600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
8500SA	M1302L	QF38A/BS894		
8500SCAS	M1302L	QF38A/BS894		

See next page for more model numbers.

ATLAS ELECTRONICS (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
8500SAC	M1302L	QF38A/BS894		
8500SAC	M1302L	QF38A/BS894		
8500SAC	M1302L	QF38A/BS894		
8500STM	M1302L	QF38A/BS894		
8500XA	M1311L	JF409L/BS260		
8500XCAS	M1311L	JF409L/BS260		
8500XAC	M1311L	JF409L/BS260		
8500XRM	M1311L	JF409L/BS260		
8500XAC	M1311L	JF409L/BS260		
8500XTM	M1311L	JF409L/BS260		
8600S ARPA	M1302L	BS894		
8600X ARPA	M1311L	NJS6928	NJC3901B	NJT1946A
9600SAC	M1302L	BS894 + BS169		NJS4310D
9600STM	M1302L	BS894 + BS169		NJS4310D
9600S ARPA	M1302L	BS894 + BS169		NJS4310D
9600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
9600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
9600X ARPA	M1311L	NJS6928	NJC3901B	NJT1946A

CHANGZHOU BEICHENG				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
NS3017	MSF1425B		FCX73C	NJT1968B
NS3018	MSF1425B		FCX73C	NJT1968B
NS3019	MSF1425B		FCX73C	NJT1968B

CHANGZHOU HUAMENG				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
FN-1704	MSF1421B		FCX73C	NJT1968B
FN-1706	MSF1421B		FCX73C	NJT1968B
FN-1832-MARK5	MSF1421B		FCX73C	NJT1968B
FN-1832-MARK6	MSF1421B		FCX73C	NJT1968B
FN-1833	MSF1421B		FCX73C	NJT1968B
FN-1942-MARK5	MSF1421B		FCX73C	NJT1968B
FN-1942-MARK6	MSF1421B		FCX73C	NJT1968B
FN-1945	MSF1421B		FCX73C	NJT1968B
FN-2704	MSF1421B		FCX73C	NJT1968B
FN-2706	MSF1421B		FCX73C	NJT1968B

CONSILIUM				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1220	M1311L	TL368A		
1245	2J55	TL368A		
1260	2J70B	BLT119		
1620	M1311L	TL368A		
1645	2J55	TL368A		
1660	2J70B	BLT119		
AC1620	M1311L	TL368A		
AC1645	2J55	TL368A		
AC1660	2J70B	BLT119		
MM950 S BAND	M1302L	NJS6318	NJC3310	NJS4310D
MM950 10 KW X BAND	MSF1425A	NJS6930	NJC3901B	NJT1973
MM950 25KW X BAND	M1311L	NJS6943	NJC3901B	NJT1973
NAVBAT	MSF1425A	NJS6930	NJC3901B	NJT1973
RTM10X	MVS1425A	TL368A		
RTM12X	MSF1425A	NJS6930	NJC3901B	NJT1973
RTM25X	M1475A	NJS6930	NJC3901B	NJT1973
RTM30S	M1302L	NJS6318	NJC3310	NJS4310D
RTM45X	2J55	TL368A		
RTM60S	2J70B			
SELESCAN 1024 (45 kW)	2J55	VDX1047S		
SELESCAN 1024 (60 kW)	2J70B	VDS1028S		

See next page for more model numbers.

CONSILIUM (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
SELUX ST340/250 SRT 12U/6X	MSF1425A	NJS6930	NJC3901B	NJT1973
SELUX ST340/250 SRT 12U/9X	MSF1425A	NJS6930	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/6X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/9X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/12X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/6X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/9X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/12X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 30U/12S	M1302L	NJS6318	NJC3310	NJS4310D
SELUX ST340/250 30U/12S	M1302L	NJS6318	NJC3310	NJS4310D
TM1620	M1311L	TL368A		
TM1645	2J55	TL368A		
TM1660	2J70B	BLT119		RK6043
UP MAST/S-00X	M1302L	NJS6318	NJC3310	NJS4310D
TMTR/S-00X	M1302L	NJS6318	NJC3310	NJS4310D
TMTR/X-00X 10 kW	MSF1425B	NJS6930	NJC3901B	NJT1973
TMTR/X-00X 25 kW	M1458A	NJS6930S	NJC3901B	NJT1973
RTM45X	2J55	TL368A		
RTM60S	2J70B			
SELESCAN 1024 (45 kW)	2J55	VDX1047S		
SELESCAN 1024 (60 kW)	2J70B	VDS1028S		

FURUNO				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
821	E3587			
841	MSF1421B			
851	MSF1421B		NJC3901B	NJT1947B
861	MSF1422B		NJC3901B	NJT1947B
1600	9M302			
1621	MG5353 or E3554/E3561			
1621 MKII	E3587			
1623	E3588			
1623	MAF1421B			
1715	E3588/MAF1421B			
1720	MG5353 or E3554/E3561	NJS6930	NJC3901B	NJT1946A
1721	MG5353 or E3554/E3561			
1721 MKII	E3587			
1724C	MAF1421B			
1730	9M302			NJT1968B
1731	9M302 (only)			NJT1968B
1731 MKII	MSF1421B			NJT1968B
1731 MKIII	MAF1421B			
1732	MAF1421B			
1732/1732C	MAF1421B			
1733C	MAF1421B			
1734C	MAF1421B			
1742	MAF1421B			
1750	MG5353 or E3554/E3561			
1751	MG5353 or E3554/E3561			
1751 MKII	E3587			
1760	9M302 (only)			
1761	9M302 (only)			
1761 MKII	MSF1421B			
1762/1762C	MAF1421B			
1763C	MAF1421B			
1800	9M302 or MRF1421B			
1824C	MAF1421B			
1831 (After 2/95)	MSF1421B			
1831 (Before 2/95)	9M302 (only)		NJC390B	NJT1968B
1831 MKII	MSF1421B			
1830	9M302 (only)		NJC3901B	NJS1968B
1832	MAF1421B			
1832	MAF1421B			
1833	MAF1421B			
1833C/1833CBB	MAF1421B			
1834C	MAF1421B			
1835	MAF1421B			RU9393D

See next page for more model numbers.

FURUNO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1900	9M302 or MRF1421B		NJC3901B	NJT1946A
1930	9M302 (only)		NJC3901B	NJT1947B
1931	9M302 (only)		NJC3901B	NJT1947B
1931 MK2	MSF1421B		NJC3901B	NJT1947B
1932 MKII	MAF1421B		NJC3901B	NJT1946A
1933	MAF1421B			
1933C/1933CBB	MAF1421B			
1934C-BB	MAF1421B			RU9390
1935	MAF1421B			RU9390
1937	MAF1421B			RU9712
1940	MSF1421B			NJT1947B
1941	MSF1421B		NJC3901B	NJT1947B
1941MKII	MAF1422B		NJC3901B	NJT1947B
1941R	MSF1421B		NJC3901B	NJT1947B
1942	MSF1422B		NJC3901B	NJT1968B
1943/NAVNET	MSF1422B			
1943C	MSF1425B			
1944C	MAF1422B			
1945	MAF1422B			RU9390
1953C	MSF1425B			
1954C	MSF1425B	NJS6930		
1964C	M1636	NJS6930		
2005	MSF1421B			
DRS2D	E3590			
DRS4D	MAF1421B			
DRS4A	MAF1421B			
RDS6A	MAF1422B			
DRS12A	MAF1425B			
DRS25A	M1636			
FAR1513/FAR1513BB	MAF1565N			
FAR1523*FAR1523BB	M1636			
FAR1518/FAR1518BB	MAF1615B			
FAR1528/FAR1528BB	M1636			
FAR2107	MAF1425B	NJS6930	NJC3901B	RU9601
FAR2115	MAF1425B	NJS6930	NJC3901B	RU9601
FAR2117	MAF1425B			
FAR2117BB	MAF1425B			
FAR2127	M1636			
FAR2127BB	M1636			
FAR2130	M1623			
FAR2135	M1623			
FAR2137S	M1623			
FAR2137SBB	M1623			
FAR2157	9M31			
FAR2727	M1636			
FAR2807	MAF1425B	NJS6930	NJC3901B	RU9601
FAR2815	MSF1425B			NJS6930
FAR2817	MAF1425B	NJS6930		
FAR2822	M1517N			
FAR2822X	M1517N			
FAR2825	M1517N			NJS6930
FAR2825 (after S/N 3317-0640)	M1636			
FAR2825W	M1517N			
FAR2827	M1636	NJS6930		
FAR2827W	M1636	NJS6930	NJC3901B	RU9601
FAR2830S	M1623			
FAR2832S	M1623			
FAR2835S	M1623			
FAR2835SW	M1623			
FAR2837	M1623			
FAR2837S	M1623	TL378A		
FAR2837SW	M1623			
FAR2852X	9M31			
FAR2852X	9M31			
FAR2855	9M31			
FAR2855W	9M31			
FAR2862S	MG5240			
FAR2865SW	MG5240			

See next page for more model numbers.

FURUNO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
FAR2865SW	MG5240			
FAR3210BB	M1636			
FCR100	MSF1425B			
FCR1010	9M302 (only)			NJT1968B
FCR1030	9M302 (only)			NJT1947B
FCR1040	MSF1421B			NJT1947B
FCR1041MKII	9M502 or MSF1422B			NJT1947B
FCR1100	MSF1425B	SLX20		NJT1947B
FCR1401	9M502 or MSF1422B	NJS6930		NJS7901B
FCR1401MKII	9M502 (only)			
FCR1401MKIII	9M502 (only)	NJS6930	NJC3901B	NJS7901B
FCR1411	9M602 or MVF1425B	NJS6930		NJS7901B
FCR1411MKII	9M602 (only)	NJS6930	NJC3901B	NJT1946A
FCR1411MKIII	9M602 (only)	NJS6930		RU5072
FCR1421	M1517N	NJS6943	NJC3901B	
FCR1421MKII	M1517N	NJS6943	NJC3901B	
FCR1421MKIII	M1517N	NJS6943		
FCR901	MRF1421B	NJS6930	NJC3901B	
FCR902	9M302 or MRF1421B	NJS6930	NJC3901B	
FCR904	MSF1421B	NJS6930	NJC3901B	NJT1946A
FCR2129	M1636	NJS6930		RU9601
FCR2139WS	M1623			RU9760A
FCR2819	MAF1565N	NJS6930		RU9603
FCR2829	M1636	NJS6930	NJC3901B	RU9603
FCR2829W	M1636	NJS6930	NJC3901B	RU9603
FCR2839S	M1623			RU9760A
FCR2839SW	M1623	TL378A		
FR030S	M1623			
FR1011	MVF1425B	NJS6930		NJS7901B
FR1012	MVF1425B	NJS6930		NJS7901B
FR1021	M1517N	NJS6930		NJS7901B
FR1021 MK2	M1517N	NJS6930		NJS7901B
FR1022	M1517N	NJS6930		NJS7901B
FR105 MKII	MSF1422B			
FR116	9M302 or MRF1421B	NJS6930		NJS7901B
FR1201	9M502 or MSF1422B	NJS6930		NJS7901B
FR1211	9M602 or MVF1425B	NJS6930		NJS7901B
FR1221	M1517N	NJS6943		
FR1222X	M1517N	NJS6943	NJC3901B	
FR1223X	M1517N	NJS6943	NJC3901B	
FR1262S	MG5240			
FR1266S	MG5240			
FR1401 MKIII	MSF1422B			
FR1410	MSF1425B			
FR1425	M1517N	NJS6930	RC3686	
FR1440	MSF1425B			
FR1460DS	MG5240			
FR1505 MKII	MSF1422B	NJS6930	RC3686	NJT1947B
FR1505D	9M502 (only)		NJC3901B	
FR1505DA	9M502 (only)		NJC3901B	
FR1505M3	MAF1422B	NJS6930		
FR151	2J42 or MVS1425A			
FR1510 MKII	9M602 or MSF1425B	NJS6930		RU5072
FR1510D	9M602 (only)	NJS6930	NJC3901B	
FR1510DA	9M602 (only)	NJS6930	NJC3901B	
FR1517	MAF1425B			
FR1525	M1517N	NJS6943	NJC3901B	RU5072
FR1525 MKII	M1517N	NJS6943	NJC3901B	RU5072
FR1525D	M1517N	NJS6930		
FR1525DA	M1517N	NJS6930		
FR1525M2	M1517N	NJS6930	RC3686	
FR1525M3	M1636	NJS6930	RC3686	
FR1525MK3	M1636			
M1636	9M302 or MRF1421B	NJS6930		NJS7901B
FR1600	9M302 or MRF1421B	NJS6918/NJS6930		NJS7901B
FR1621	E3587			
FR1622X	M1517N	NJS6943	NJC3901B	NJT1946A
FR1662S	MG5240			

See next page for more model numbers.

FURUNO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
FR1700	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946
FR1710	MSF1425B	NJS6930	RC3686	
FR1720	MG5353	NJS6930	NJC3901B	SRX25
FR1725	MG5353	NJS6930	RC3686	
FR1730	9M302 or MRF1421B			
FR1760DS	MG5240F			
FR1762/1762C	MAF1421B			
FR1763C	MAF1421B			
FR1830	MSF1421B			
FR1930	MRF1421B			NJT1947B
FR1940	MRF1421B		NJC3901B	
FR1942	MAF1422B			
FR1943C/1943CBB	MAF1422B			
FR1943C/1943CBB	MAF1422B			
FR1953C/CBB	MAF1425B			
FR2000	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR2001	9M502 (only)	NJS6930		
FR2010	9M602 (only)	NJS6930	NJC3901B	
FR2011	9M602	NJS6930		
FR2020	M1517N	NJS6943		
FR2020X	M1517N	NJS6943		
FR2021	M1517N	NJS6943		
FR2025	M1517N			
FR2030S	M1623			
FR2032S	M1623			
FR2050X	9M31			
FR2060S	MG5240	BS894		
FR2100	M1517N	TL368A	RC3686	
FR2105	M1517N		RC3686	
FR2108	M1517N			
FR2110	MSF1425B	NJS6930	RC3686	
FR2115	MSF1425B	NJS6930	RC3686	
FR2117	MAF1425B			
FR2120	M1517N	NJS6943	NJC3901B	
FR2120W	M1517N	NJS6943		
FR2125	M1636	NJS6930	RC3686	
FR2125SW	M1623			
FR2125W	M1517N		RC3686	
FR2130S	M1623			
FR2130SW	M1623			
FR2150	9M31			
FR2150W	9M31			
FR2155	9M31	TL368A	RC3686H	
FR2155B	9M31			
FR-2160S	MG5240			
FR2160SW	MG5240			
FR2165DS	MG5240F			
FR2165DS-B	MG5240F			
FR240 MKII	9M302 or MRF1421B	NJS6930		NJS7901B
FR2400	MRF1421B	NJS6930	NJC3901B	NJT1946A
FR2805	M1517N		RC3686	
FR2815	MSF1425B	NJS6930	RC3686	
FR2817	MAF1425B			
FR2822	M1517N			
FR2822	M1517N	NJS6943		
FR2822X	M1517N			
FR2825	M1636	NJS6943	RC3686	
FR2825S	M1623			
FR2825W	M1517N			
FR2825W	M1517N		RC3686	
FR2826	M1517N	NJS6943		
FR2830	M1623			
FR2830S	M1623			
FR2832S	M1623			
FR2835S	M1623			

See next page for more model numbers.

FURUNO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
FR2835SW	M1623			
FR2850	9M31	TL368A	RC3686H	
FR2850	9M31			
FR2852X	9M31			
FR2852X	9M31			
FR2855	9M31	TL368A	RC3686H	
FR2855W	9M31			
FR2855W	9M31	TL368A		
FR2862S	MG5240			
FR2862S	MG5240			
FR2865SW	MG5240			
FR2865SW	MG5240			
FR360 MKII	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR480	9M302 or MRF1421B			RU3684
FR-510 MKIII	9M602 or MSF1425B	NJS6930		RU5072
FR601D	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR602D	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR603D	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR604D	9M302 or MRF1421B	NJS6930	NJC3901B	NJT1946A
FR6100D	9M602	NJS6930		
FR701	9M502 or MSF1422B	NJS6930		NJS7901B
FR-7010D	9M302 (only)		NJC3901B	NJT1968B
FR7040D	MSF1421B			NJT1968B
FR7040R	MSF1421B			NJT1947B
FR7041	MSF1421B			NJT1968B
FR7041R	MSF1421B			NJT1947B
FR7041RMK2	MAF1421B			
FR7061	MSF1422B			NJT1968B
FR7062	MAF1422B			
FR7062	MAF1422B			
FR7100D	MSF1425B			NJT1947B
FR711	9M602 or MVF1425B	NJS6930		NJS7901B
FR7111	MSF1425B			NJT1947B
FR7112	MAF1425B	NJS6930		
FR721	M1517N	NJT6963		NJS7901B
FR7252	M1458A	NJS6930		NJT1946A
FR801	9M302 (only)			
FR801D	9M302 (only)	NJS6930	NJC3901B	NJT1946A
FR802	9M302 (only)	NJS6930	NJC3901B	
FR802D	9M302 (only)			
FR8030D	9M302 (only)	NJS6930	NJT1946A	RU7051
FR8031D	9M302 (only)			NJT1947B
FR803D	9M302 (only)	NJS6930	NJC3901B	NJT1946A
FR8050D	9M502 (only)	NJS6930		
FR8050DA	9M502 (only)	NJS6930		
FR8051	MAF1422B			NJT1947B
FR8052	E3560	NJS6930		NJT1946A
FR805D	9M502 (only)	NJS6930	NJC3901B	NJT1946A
FR805DA	9M502 (only)	NJS6930	NJC3901B	NJT1946A
FR8062	MAF1422B	NJS6930		RU9792
FR8065	MAF1422B			
MAF1422B	MSF1425B			
FR8100D	9M602 (only)	NJS6930		
FR8100DA	9M602 (only)	NJS6930		
FR8100DS	MG5315			
FR810D	9M602 (only)			
FR810DA	9M602 (only)			
FR810DS	MG5315			
FR810DS MKII	MG5315			
FR8111	MAF1425B			NJT1947B
FR8111	MAF1425B			
FR8112	MSF1425B	SLX20		
FR8122	MAF1425B			
FR8125	MAF1565N			
FR8250	M1517N	NJS6930	NJC3901B	
FR8250D	M1517N	NJS6930	NJC3901B	
FR8250DA	M1517N	NJS6930	NJC3901B	

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FURUNO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
FR8251	M1517N	NJS6943		
FR8252	M1636			
FR8255	M1458A			
FR825D/DA	M1517N	NJS6943		
FR825D/DA	M1517N	NJS6943	NJC3901B	NJT1946A
FR8300DS	M1623			
FR830DS	M1623			
FRA10	MSS1422A	TL368A		2K25
FRA12	MSS1422A	TL368A		2K25
FRA151-TR	2J42	TL368A		2K25
FRA151TR MKII	2J42	TL368A		2K25
FRC40	M1304	TL368A		
FRD50	9M31	TL368A		2K25
FRJ100	9M31	TL368A		
FRL100	9M31	TL368A		
FRM100	9M72	TL368A		
FRM100W	9M72	TL368A		
FRM60	2J42	TL368A		NJS7901B
FRM64	9M602	NJS6930		NJS7901B
FRS24	2J42	TL368A		
FRS48	2J42	TL368A		
KRA116	9M302			
KRA124	2J42	9X64/TL368A		
KRA136	2J42	9X64/TL368A		
KRA448	2J42	9X64/TL368A		
M1622	E3588/ MAF1421B			
M1623	E3588/ MAF1421B			
M1712	E3588/ MAF1421B			
M1715	E3588/ MAF1421B			
M1721MK2	E3587			
M1722	E3588/ MAF1421B			
M1722C	E3588/ MAF1421B			
M1723C	E3588/ MAF1421B			
M1731	MAF1421B			
M1731MK3	MAF1421B			
M1732	MAF1421B			
M1732C	MAF1421B			
M1733C	MAF1421B			
M1752	MAF1421B			
M1752C	MAF1421B			
M1753C	MAF1421B			
M1762	MAF1421B			
M1762C	MAF1421B			
M1763C	MAF1421B			
M1823C	E3588/ MAF1421B			
M1823CBB	E3588/ MAF1421B			
M1832	MAF1421B			
M1833	MAF1421B			
M1833C	MAF1421B			
M1833C-BB	MAF1421B			
M-1931	9M302 or MRF1421B			
M1932	MAF1421B		RC3686	
M1932MK2	MAF1421B		NJC3901B	NJT1947B
M1933	MAF1421B			
M1933C	MAF1421B			
M1933CBB	MAF1421B			
M1942MK2	MAF1422B		NJC3901B	NJT1968B
M1943	MAF1422B			
M1943C	MAF1422B			
M1943CBB	MAF1422B			
M1953C	MAF1425B			
M1953CBB	MAF1425B			
M841	MAF1421B			
RHRS-2005RC/TFT	MAF1421B			

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GARMIN				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
GMR18HD	MAF1611BGA		NJC3901D	
GMR18xHD	MAF1641BG		NJC3901D	
GMR18XHD dome	MAF1641BG		NJC3901D	
GMR24HD	MAF1611BGA		NJC3901D	
GMR24xHD	MAF1641BG		NJC3901D	
GMR24XHD dome	MAF1641BG		NJC3901D	
GMR252XXHD	M1568BG		NJC3901B	
GMR40	MAF1611BGA		NJC3901D	
GMR41	MAF1611BGA		NJC3901D	
GMR404xHD	MAF1611BGA		NJC3901D	
GMR406xHD	MAF1611BGA		NJC3901D	
GMR424xHD2	MAF1641BG		NJC3901D	
GMR62XXHD	MAF1562BG		NJC3901B	
GMR604xHD	MAF1422B		NJC3901B	
GMR606xHD	MAF1422B		NJC3901B	
GMR624xHD2	MAF1562BG		NJC3901B	
GMR626xHD2	MAF1562BG		NJC3901B	
GMR1204xHD	MAF1425B		NJC3901B	
GMR1206xHD	MAF1425B		NJC3901B	
GMR1224 xHD2	MAF1425B		NJC3901B	
GMR1226xHD2	MAF1425B		NJC3901B	

GEM ELLETRONICA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
BX1048	MVS1425A	TL368A		
BX1072	M1311L	TL368A		
BX164	MVS1425A	TL368A	NJC3901B	NJS7901A
BX2072A	M1311L	TL368A		
BX3532R	MVS1422B	NJS6928	NJC3901B	NJS7901A
BX73072A	9M72 (only)	TL368A	NJC3901B	NJT1946A
BX732	MVS1425A	TL368A		
BX864	MVS1425A	TL368A		
GERMANT2V1	M1311L	TL368A	NJC3901B	NJT1946A
LD1025	M1458A	NJS6943	NJC3901B	NJT1973
LD1204	MSF1421B	NJS6930	NJC3901B	NJT1973
LD1210	MSF1425B	NJS6930	NJC3901B	NJT1973
LD1504	MSF1421B	NJS6930	NJC3901B	NJT1973
LD1510	MSF1425B	NJS6930	NJC3901B	NJT1973
LD1804R	MSF1421B	NJS6930	NJC3901B	NJT1973
LD1805	MSF1422B	NJS6930	NJC3901B	NJT1973
LD1810	MSF1425B	NJS6930	NJC3901B	NJT1973
LD1810R	MSF1425B	NJS6930	NJC3901B	NJT1973
LD1825	M1458A	NJS6943	NJC3901B	NJT1973
LD1830	M1623	NJS6318B	NJC3309	NJS4310D
LD2010	MSF1425B	NJS6930	NJC3901B	NJT1973
LD2030	M1623	NJS6318B	NJC3309	NJS4310D
LD2410	MSF1425B	NJS6930	NJC3901B	NJT1973
LD2425	M1458A	NJS6943	NJC3901B	NJT1973
LD2430	M1623	NJS6318B	NJC3309	NJS4310D
SC1004	MSF1421B	MJS6930	NJC3901B	NJT1946A
SC1004C	MSF1421B	NJS6930	NJC3901B	NJT1946A
SC1005	MVS1422B	NJS6928	NJC3901B	NJT1946A
SC1005/RD		NJS6930	NJC3901B	NJT1946A
SC1204	MSF1421B	NJS6928	NJC3901B	NJT1946A
SC1204/RD		NJS6930	NJC3901B	NJT1946A
SC1204C	MSF1421B	NJS6928	NJC3901B	NJT1946A
SC1210	MVS1425A	NJS6928	NJC3901B	NJT1946A
SC1210C		NJS6930	NJC3901B	NJT1946A
SC1210N	MSF1425B	NJS6930	NJC3901B	NJT1946A
SC1225	9M72	TL368A	NJC3901B	NJT1946A
SC1410	MVS1425A	NJS6928	NJC3901B	NJT1946A
SC1410N	MSF1425B	NJS6928	NJC3901B	NJT1946A
SC1425	9M72	TL368A	NJC3901B	NJT1946A
SC1425N	M1311L	TL368A	NJC3901B	NJT1946A
SC1504		NJS6930	NJC3901B	NJT1946A

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GEM ELLETRONICA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
SC1510	MVS1425A	NJS6928	NJC3901B	NJT1946A
SC1510N	MSF1425B	NJS6930	NJC3901B	NJT1946A
SC1525	9M72	TL368A	NJC3901B	NJT1946A
SC1525N	M1311L	TL368A	NJC3901B	NJT1946A
SC2004	MSF1421B	NJS6928	NJC3901B	NJT1946A
SC2010	MSF1425B	NJS6928	NJC3901B	NJT1946A
SC2025	M1311L	TL368A	NJC3901B	NJT1946A
SC2025S	M1461	TL378A	NC2644	NJS4310B
SC2050X	2J55	TL368A	NJC3901B	NJT1946A
SC2610	MSF1425B	NJS6928	NJC3901B	NJT1946A
SC2610ANT	MSF1425B	NJS6928	NJC3901B	NJT1946A
SC2625	M1311L	TL368A	NJC3901B	NJT1946A
SC2625ANT	M1311L	TL368A	NJC3901B	NJT1946A

GOLDSTAR				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
GS710	MVF1425B	NJS6930	NJC3901B	
GS751	MSF1425B	NJS6930	NJC3901B	NJS7901B
GS752	MSF1425B	NJS6930	NJC3901B	NJS7901B
GS753	MSF1425B	NJS6930	NJC3901B	
GS924/C/M	MSF1422B	NJS6930		
GS930/C/M	MSF1421B	NJS6930	NJC3901B	NJS7901B
GS932/C/M	MSF1422B	NJS6930		
GS948	MSF1422B	NJS6930		
GS952 (TURBO)	MSF1422B	NJS6930	NJC3901B	NJS7901B
GS1251C	MSF1422B	NJS6930	NJC3901B	NJS7901B
GS1252C	MSF1422B	NJS6930	NJC3901B	NJS7901B
GMR1206XHD	MAF1425B		NJC3901B	

HUMMINBIRD				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
AS12RD	M1489	NJS6930	NJC3901B	
AS21RD	MAF1421B	NJS6930	NJC3901B	NJS7901B
RH44	MAF1421B	NJS6930	NJC3901B	NJS7901B
RH45	MAF1421B	NJS6930	NJC3901B	

INESA/ SVA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
KMS-52	M1623	NJS6318	NJC3310	NJS4310D
KMX5142	MSF1425B or MAF1615B	NJS6930	NJC3901B	NJT1946A
KMX3112	MAF1421B		NJC3901D	NJT1968B
KMX22 12 KW	MSF1425B or MAF1615B	NJS6930	NJC3901B	NJT1946A
KMX22 25 KW	M1325LC	NJS6943	NJC3901B	NJT1946A
KMX52 12 KW	MAF1615B	NJS6930	NJC3901B	NJT1946A
KMX52 25 KW	M1325LC	NJS6943	NJC3901B	NJT1946A

ICOM				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
IC3MR	MRF1421B	NJS6930	NJC3901B	NJT1946A
ICMR40	MSF1421B	NJS6930	NJC3901B	NJT1946A
MR1000	MAF1421B	NJS6930	NJC3901D	NJT1946A
MR1000R2	MAF1421B	NJS6930	NJC3901D	NJT1946A
MR12000R2	MAF1421B	NJS6930	NJC3901D	NJT1946A
MR1200T2	MAF1421B	NJS6930	NJC3901D	NJT1946A
MR1200T3	MAF1422B	NJS6930	NJC3901B	NJT1946A

JFS (SWISS RADAR)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
JFS23R	MRF1421C	TL368A		
JFS932R	MRF1421C	TL368A		
JFS364	MAF1421B	NJS6930	NJC3901B	NJT1959
JFS364C	MAF1611B		NJC3901B	NJT1947C

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JAPAN RADIO COMPANY (JRC)						
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**	**Dummy Load**	**Filter**
JMA1010 (RADAR 1000)	M1516	NJS6931	T-JUNCTION	NJT1967		
JMA1020	M1537	NJS6931J	T-JUNCTION	NJT1967		
JMA1100	M1537	NJS6947	T-JUNCTION	NJT1027		
JMA1310	9M61	NJS6928				
JMA148	MVS1425B	9X64/TL368A		NJS7901C		
JMA149	MVS1425B	9X64/TL368A		NJS7901C		
JMA1500/1500 MK11	M1516	NJS6931	T-JUNCTION	NJT1967		
JMA1521 (RADAR 2000)	M1528	NJS6931	T-JUNCTION	NJT1946A		
JMA153	9M90	9X64/TL368A		NJS7901C		
JMA1541 (RADAR 3000)	MSF1421B	NJS6930	NJC3901B	NJT1946A		
JMA157	2J55	1B35A		2K25		
JMA158	2J55	1B35A + 9X64		2K25		
JMA159	2J55	1B35A + 9X64		NJS7901C		
JMA164	2J70B	BLT119		NJS3301B		
JMA165	2J70B	BLT119		NJS3301B		
JMA170	MVS1422B	9X64/TL368A		NJS7901C		
JMA1800	M1537					
JMA200A	2J70B	BLT119				
JMA2000	M1528					
JMA2010	M1439	NJS6933	NJC3901B	NJT1941		
JMA2011	M1439	NJS6927		NJT1941		
JMA2013	M1439	NJS6933		NJT1946A		
JMA201A	2J70B	BLT119		NJS3301B		
JMA2040	MRF1421C	NJS6927		NJT1941		
JMA2041	MRF1421C	NJS6928		CGR0928		
JMA2042	MRF1421C	NJS6928		CGR0928		
JMA2043	MRF1421C	NJS6928		NJT1946A		
JMA2044	MRF1421C	NJS6928		NJT1946A		
JMA2112	M1439					
JMA2113	M1439					
JMA2141	MSF1421B	NJS6930		NJT1946A		
JMA2142	MSF1421B	NJS6930		NJT1946A		
JMA2143	MSF1421B	NJS6930		NJT1946A		
JMA2144	MSF1421B	NJS6930		NJT1946A		
JMA2213	M1489	NJS6931	T-JUNCTION	NJT1946A		
JMA2241(R20XX)	MSF1421B	NJS6930		NJT1946A		
JMA2242(R21XX)	MSF1421B	NJS6930		NJT1946A		
JMA2243	MSF1421B	NJS6930		NJT1946A		
JMA2244	MSF1421B	NJS6930		NJT1946A		
JMA2253	MSF1421B	NJS6930	NJC3901B	NJT1946A		
JMA2254	MSF1421B	NJS6930	NJC3901B	NJT1946A		
JMA2343	MSF1421B(J)	NJS6930		NJT1028		
JMA2344	MSF1422B(J)	NJS6930		NJT1969		
JMA2354	MSF1422B(J)	NJS6930		NJT1028		
JMA248	M1304	TL368A		NJS7901C		
JMA250	9M72	9X64/TL368A		NJS7901C		
JMA252	9M72	9X64/TL368A		NJS7901C		
JMA253	9M72	9X64/TL368A		NJS7901C		
JMA256	9M72	9X64/TL368A		NJS7901C		
JMA257	9M72	9X64/TL368A		NJS7901C		
JMA258	2J55	9X64/TL368A		NJS7901C		
JMA259	2J55	9X64/TL368A		NJS7901C		
JMA264	2J70B	BLT119		NJS3301B		
JMA265	2J70B	BLT119		NJS7901C		
JMA270	MVS1422B	9X64/TL368A		NJS7901C		
JMA300	MRF1421C	NJS6918/NJS6930		NJS7901C		
JMA300M III	MRF1421C	NJS6927		NJT1941		
JMA302	MRF1421C	NJS6918/NJS6930		NJS7901C		
JMA303	MRF1421C	NJS6918/NJS6930		NJS7901C		
JMA304	MRF1421C	NJS6927		NJT1941		

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JAPAN RADIO COMPANY (JRC) (CONT.)						
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**	**Dummy Load**	**Filter**
JMA305	MVS1422B	NJS6918/NJS6930		NJS7901C		
JMA306	MVS1422B	NJS6930		NJS7901C		
JMA307	MVS1422B	TL368A		NJS7901C		
JMA310	MVS1422B	TL368A		NJS7901C		
JMA3104	MSF1421B	NJS6930		NJT1946A		
JMA3110	MSF1421B	NJS6928		NJT1946A		
JMA3111	9M61	NJS6928		NJT1946A		
JMA3204	MSF1421B	NJS6930		NJT1946A		
JMA3204 (M II)	MSF1421B					
JMA3210	MSF1425B					
JMA3210 (M II)	MSF1425B	NJS6930		NJT1946A		
JMA3210HS	MSF1425B	NJS6930		NJT1946A		
JMA3211	9M61 or MVS1425B					
JMA3211 (M II)	9M61 or MVS1425B					
JMA325	9M72	TL368A		NJS7901C		
JMA3253	MSF1421B(J)	NJS6930		NJT1946A		
JMA3254	MSF1425B(J)	NJS6930		NJT1946A		
JMA3304	MRF1421C	NJS6927		NJT1941		
JMA3307	MSF1425B	NJS6921S/NJS6936		NJT1946A		
JMA3308	MSF1425B	NJS6921S/NJS6936		NJT1946A		
JMA3314	MSF1421B(J)	NJS6930		NJT1028		
JMA3316	MSF1422B(J)	NJS6930		NJT1969		
JMA3316-HS	MSF1422B(J)	NJS6930		NJT1028		
JMA3334	MSF1421B(J)	NJS6930		NJT1028		
JMA3336	MSF1422B(J)	NJS6930		NJT1028		
JMA3340-HS	MAF1565N	NJS6930		NJT1969		
JMA3340-4/4HS	MAF1565N	NJS6930		NJT1969	NJC4002	NJC9952
JMA3340-6	MAF1565N	NJS6930		NJT1969	NJC4002	NJC9952
JMA3340-6HS	MAF1565N	NJS6930		NJT1969	NJC4002	NJC9952
JMA3524	MSF1425B	NJS6930	NJC3901B	NJT1946A		
JMA3525	M1437/M1437A			NJT1946A		
JMA3610	9M61 or MVS1425B					
JMA3610 (M II)	9M61 or MVS1425B					
JMA3625	M1437/M1437A	NJS6928				
JMA3625 (M II)	M1437/M1437A	NJS6928		NJT1946A		
JMA3710	MVS1425B	NJS6930	NJC3901B	NJT1945*		
JMA3727	M1437/M1437A	NJS6928		NJT1946A		
JMA3727	M1437//M1437(A)	NJS6928				
JMA3728-6/9	M1437//M1437(A)	NJS6928				
JMA3728-6/9	M1437/M1437A	NJS6928		NJT1946A		
JMA3728-6T/9T	M1437//M1437(A)	NJS6928				
JMA3806-4/6	MSF1422B	NJS6930		NJT1946A		
JMA3807-4/4S/6	MSF1422B(J)	NJS6930		NJT1946A		
JMA3810	MSF1425B	NJS6930	NJC3901B	NJT1946A		
JMA3810-4/6	MSF1425B	NJS6930		NJT1946A		
JMA3811	MSF1425B	NJS6930	NJC3901B	NJT1946A		
JMA3811-4/4S/6	MSF1425B(J)	NJS6930		NJT1946A		
JMA3910	MSF1425B	NJS6930	NJC3901B	NJT1946A		
JMA3910-6	MSF1425B(J)	NJS6930		NJT1946A		
JMA3925	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA510	MVS1425B	TL368A		NJS7901C		
JMA5104	MSF1421B(J)	NJS6930		NJT1028		
JMA5106	MSF1422B	NJS6930		NJT1969		
JMA5106HS	MSF1422B	NJS6930		NJT1969		
JMA511	MVS1425B	TL368A		NJS7901C		
JMA5110	MSF1425B	NJS6930		NJT1969		
JMA5210-6/6R	MSF1425B	NJS6930		NJT1969		
JMA5212-6/6R	MAF1565N	NJS6930		NJT1969	NJC4002	NJC9952
JMA5220-7/9/7R/9R	M1568B(J)	NJS6930		NJT1946A		
JMA525	9M72	TL368A		NJS7901C		
JMA526	9M72	TL368A		NJS7901C		
JMA527	9M72			NJT1946A		
JMA5212-6/9R	MAF1565N	NJS6930	NJC3901B	NJT1969		
JMA5212 4HS/6HS	MAF1565N	NJS6930	NJC3901B			
JMA5222-7/7R/9/9R	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952

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JAPAN RADIO COMPANY (JRC) (CONT.)						
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**	**Dummy Load**	**Filter**
JMA5310-6/6R	MSF1425B	NJS6930		NJT1969		
JMA5311-6/6HS	MAF1565N	NJS6930	NJC3901B	NJT1969	NJC4002	NJC9952
JMA5312-6/6R/6HS	MAF1565N	NJS6930		NJT1969		
JMA5320-6HS	M1568B(J)	NJS6930		NJT19946A		
JMA5320-7/9/7R/9R	M1568B(J)	NJS6930		NJT1946A		
JMA5321-6HS/9	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952
JMA5322-6HS/7/9	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952
JMA5330-12	M1302L	TL378A	NJC3320	---		
JMA5332-12	M1555	NJS6318	NJC3316			
JMA5350-9R	2J55	TL393	NJC3901RJ	NJT1946A		
JMA5352-9R	2J55	TL393	NJC3901RJ	NJT1946A		
JMA5357-SA	solid state					
JMA5362-8R	M1461	TL378A	NJC3314			
JMA5360-8R	M1461	TL378A	NJC3314	---		
JMA5526	M1437/M1437A	NJS6928		NJT1946A		
JMA605	MVS1422B	NJS6930		NJS7901C		
JMA606	MVS1422B	NJS6918/NJS6930		NJS7901C		
JMA607	MVS1422B					
JMA608	MSF1422B(J)	NJS6930		NJT1946A		
JMA609	MSF1422B	NJS6930 +NJS6926		NJT1946A		
JMA610	MAF1562R	NJS6930				
JMA6132-6	MSF1425B	NJS6930		NJT1946A		
JMA6132-9	MSF1425B	NJS6930		NJT1946A		
JMA625	9M72	TL368A		NJS7901C		
JMA6252	M1437/M1437A	NJS6928		NJT1946A		
JMA6252-6/9	M1437//M1437(A)	NJS6928				
JMA6253	M1437/M1437A					
JMA6253-7/9	M1437//M1437(A)	NJS6928		NJT1946A		
JMA626	9M72	TL368A		NJS7901C		
JMA627	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA627G	M1437/M1437A			NJT1946A		
JMA6282-9	M1437(A)	NJS6928		NJT1946A		
JMA630	M1302L	TL378 or BLT119 + NJS6303		NJS4305		NJC9952
JMA6303	M1302L	NJS6317	NC2644	NJS4314		NJC9952
JMA650	2J55	TL368A		NJS7901C		
JMA6503	2J55					
JMA6503-7	2J55	TL393		NJT1946A		
JMA6503-7/9	2J55	TL393		NJT1946A		
JMA6503-9	2J55	TL393		NJT1946A		
JMA650-7/9	2J55	TL368A		NJT1946A		
JMA660	2J70B	TL378//TL378A	NC2644	NJS4316		
JMA6805	MVS1422B			NJT1946A		
JMA6805-7	MVS1422B	---	---	---		
JMA6882-6	M1437(A)	NJS6928		NJT1946A		
JMA7210-6X/6XH	MAF1565N	NJS6930	FCX68R			
JMA7110-6XA/6XAH	MAF1565N	NJS6930		NJT1969	NJC4002	NJC9952
JMA7122-6XA/9XA	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952
JMA7122-6XAH	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952
JMA7123-7XA/9XA	M1568BS	NJS6930	NJC3901M		NJC4002	NJC9952
JMA7132-SA	M1555	NJS6318	NJC3316			
JMA7133-SA	M1555	TL378A	NJC3317			
JMA7225-7X3/9X3	M1437/M1437A	NJS6930 +NJS6926	NJC3901M			
JMA7230-S	M1555	NJS6318	NJC3316			
JMA7230-S3	M1555	TL378A	NJC3317			
JMA7252	M1437/M1437A	NJS6928 or NJS6924		NJT1946A		
JMA7252-6	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA7252-9	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA7253	M1437/M1437A	NJS6928 or NJS6924		NJT1946A		
JMA7253-7	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA7253-9	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA7273			NJC3901B	NJT1946A		
JMA7303	M1302L/M5020	TL378A	NJC3310			
JMA736	M1461					
JMA7710	MSF1425B(J)	NJS6930		NJT1946A		
JMA7725	M1437(A)	NJS6928		NJT1946A		
JMA7736	M1461	TL378A	NC2644	---		
JMA777	M1430	NJT1307				

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JAPAN RADIO COMPANY (JRC) (CONT.)						
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**	**Dummy Load**	**Filter**
JMA7776	M1461	TL378A	NJC3314	NJS4316		
JMA786	M1455	TL397				
JMA787	M1455	TL397				
JMA788	M1455	TL397				
JMA790	M1337	TL397				
JMA790/790-12	M1337	TL397				
JMA802	M1337	TL397				
JMA8102	M1430			NJT1307		
JMA8222-10CA	M1430	---	---	NJT1307		
JMA8222-10D	M1430			NJT1307		
JMA8222-10D	M1430	---	---	NJT1307		
JMA8222-10DCA	M1430			NJT1307		
JMA825	9M72	TL368A		NJS7901C		
JMA8252	M1437/M1437A					
JMA8253	M1437/M1437A	NJS6926 or NJS6924		NJT1946A		
JMA8253-9CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA8262	M1437/M1437A					
JMA8262-6/9	M1437//M1437A	NJS6928		NJT1946A		
JMA8262-6CA/9CA	M1437//M1437A	NJS6928		NJT11946A		
JMA8263	M1437/M1437A					
JMA8263-7/9	M1437//M1437A	NJS6928		NJT1946A		
JMA8263-7CA/9CA	M1437//M1437A	NJS6928		NJT1946A		
JMA8263Z	M1437/M1437A					
JMA827	9M72					
JMA830	M1302L	TL378 or BLT119 + NJS6303				
JMA8303	M1302L	NJS6317		NJS4314		
JMA8313	M1302L	NJS6317	NC2644	NJS4314		
JMA8313-CA	M1302L	NJS6317	NC2644	NJS4314		
JMA8313Z	M1302L					
JMA850	2J55	TL368A		NJS7901C		
JMA8503-12	2J55	TL393		NJT1946A		
JMA8503-7CA	2J55	TL393		NJT1946A		
JMA850-7/9	2J55	TL368A		NJT1946A		
JMA850-7CA/6CA	2J55	TL368A		NJT1946A		
JMA8513	2J55	TL393		NJT1946A		
JMA8513-7	2J55	TL393		NJT1946A		
JMA8513-7CA	2J55	TL393		NJT1946A		
JMA8513-9	2J55	TL393		NJT1946A		
JMA8513-9CA	2J55	TL393		NJT1946A		
JMA860	2J70B	TL378 or BLT119 + NJS6303	NC2644	NJS4316		
JMA-8603	2J70B	TL378//TL378A	NC2644	---		
JMA860CA	2J70B	TL378 or BLT119 + NJS6303	NC2644	NJS4316		
JMA8613	2J70B	TL378//TL378A	NC2644	NJT1946A		
JMA8613 (CA)	2J70B	TL378A	NC2644			
JMA9110-6XA/6XAH	MAF1565N	NJS6930	-	NJT1969	NJS4002	NJC9952
JMA9122-6XA/9XA	M1568BS	NJS6930	NJC3901M		NJS4002	NJC9952
JMA9123-7XA/9XA	M1568BS	NJS6930	NJC3901M		NJS4002	NJC9952
JMA9132	M1555	NJS6318	NJC3316			
JMA9132-SA	M1555	NJS6318	NJC3316			
JMA9133-SA	M1555	TL378A	NJC3317			
JMA9210-6X/6XH	MAF1565N	NJS6930	FCX68R			
JMA-922B	M1568BS					
JMA922M6XA/9XA	M1568B(J)	NJS6930		NJT1946A		
JMA922M6XA/9XA	M1568B(J)	NJS6930		NJT1946A		
JMA9225-7X3/9X3	M1437/M1437A	NJS6930 +NJS6926	NJC3901M			
JMA9230-S	M1555	NJS6318	NJC3316			
JMA9230-S3	M1555	NJS6318	NJC3316			
JMA-923B	M1568BS					
JMA923M7XA/9XA	M1568B(J)	NJS6930 +NJS6926		NJT1946A		
JMA923M7XA/9XA	M1568B(J)	NJS6930 +NJS6926		NJT1946A		
JMA9252	M1437/M1437A	NJS6928 or NJS6924		NJT1946A		
JMA9252-6	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-6CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-9	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-9CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252	M1437/M1437A	NJS6928 or NJS6924		NJT1946A		

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JAPAN RADIO COMPANY (JRC) (CONT.)						
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**	**Dummy Load**	**Filter**
JMA9252-6	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-6CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-9	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9252-9CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9253	M1437/M1437A	NJS6928		NJT1946A		
JMA9253-7	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9253-7CA	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9253-9	M1437/M1437A	NJS6928	NJC3901B	NJT1946A		
JMA9303	M1302L	TL378A	NJC3310			
JMA9303-CA	M1302L	TL378A	NJC3310			
JMA932MSA	M1302L	TL378A	NJC3320	---		
JMA932MSA	M1302L	TL378A	NJC3320	---		
JMA933MSA	M1302L	TL378A	NJC3301	---		
JMA933MSA	M1302L	TL378A	NJC3301	---		
JMA9503-7/9	2J55	TL393	NJC3901RJ	NJT1946A		
JMA9503-7CA/9CA	2J55	TL393	NJC3901RJ	NJT1946A		
JMA953M9XA	2J55	TL393	NJC3901RJ	NJT1946A		
JMA953M9XA	2J55	TL393	NJC3901RJ			
JMA9603	2J70B	TL378A	NC2644			
JMA9603-CA	2J70B	TL378A	NC2644			
JMA963MSA	2J70B	TL378A		---		
JMA963MSA	2J70B	TL378A		---		
JMA9722-6CA/9CA	M1437//M1437A	NJS6928		NJT1946A		
JMA9723-7CA/9CA	M1437//M1437A	NJS6928		NJT1946A		
JMA9733-CA	M1437//M1437A	TL378A	NJC3310			
JMA9752-9	M1302L	TL378A	NJC3310			
JMA9753-9	M1302L	TL378A	NJC3310			
JMA9822	M1437//M1437A	NJS6928A		NJT1946A		
JMA9823	M1437//M1437A	NJS6928A		NJT1946A		
JMA9832	M1302L	TL378A	NJC3310	---		
JMA9833	M1302L	TL378A	NJC3310	---		
JMA9912-10DA S BAND	M1430			NJT1314		
JMA9912-10DA X BAND	M1568B(J)	NJS6930 +NJS6926		NJT1946A		
JMA9922-6XA/9XA	M1568B(J)	NJS6930		NJT1946A		
JMA9923-7XA/9XA	M1568B(J)	NJS6930 +NJS6926		NJT1946A		
JMA9932-SA	M1302L	TL378A	NJC3320			
JMA9933-SA	M1302L	TL378A	NJC3310			
JMA9953-9XA	2J55	TL393	NJC3901RJ	NJT1946A		
JMA9963	2J70B	TL378A				
JMA9963-SA	2J70B	TL378A		---		
RADAR 1000 SYSTEM	M1516	NJS6931	T-JUNCTION	NJT1967		
RADAR 4000 SYSTEM	MSF1421B (J)	NJS6930	NJC3901B	NJT1946A		
JMR9225	M1568BS					
JMR9230S	M1555	TL378A	NJC3317			
JMR9282S	M1555	TL378A	NJC3317			
JMR9282S	M1555	TL378A	NJC3317			

*Note: Must be NJT1945. Cannot use NJT1946A

KELVIN HUGHES				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
2C		QF451/BS810		
14/9		QF451/BS810		
14/12		QF451/BS810		
14/12P		QF451/BS810		
1600 RADAR (10KW X)	MSF1425B	NJS6930		NJS7901B
1600 RADAR (25KW X MK3)	M1458A			
17	MRFB1421C/M1350L	QF451/BS810		
17R	MRFB1421C/M1350L	QF451/BS810		
17W	MRFB1421C/M1350L	QF451/BS810		
17/9	MRFB1421C/M1350L	QF451/BS810		
17/12	MRFB1421C/M1350L	QF451/BS810		
17/12L	MVS1422B			

See next page for more model numbers.

KELVIN HUGHES (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
17/47L	MVS1422B			
17/47M	MVS1425A			
17/67M	MVS1425A			
17/410D	MVS1425A			
17/610D	MVS1425A			
18/9	M1328	QF451/BS810		
18/12	M1328	QF451/BS810		
19/9	M1328	QF451/BS810		K3091
19/12	M1328	QF451/BS810		K3091
19/12 S BAND	M1302LK	QF38A/BS894		RK6043
19/19 S BAND	M1302LK	QF38A/BS894		RK6043
21/14	M1328	QF451/BS810		K3091
21/14P	M1328	QF451/BS810		K3091
21/16	M1328	QF451/BS810		K3091
21/16 S BAND	M1302LK	QF38A/BS894		
802C	MSF1422B			
803C	MSF1422B			
CTX-A317	M1458A			
CTX-A332	MSF1425BK			
KH902M	MSF1422B	NJS6930	NJC3901B	NJT1946A
KH903M	MSF1422B	NJS6930	NJC3901B	NJT1946A
KH905M	MSF1422B	NJS6930	NJC3901B	NJT1946A
HR1700	MSF1425BK	NJS6930	NJC3901B	NJT1946A
25KW (S BAND)	M1302LK	QF38A/BS894		
25KW (X BAND)	M1328	QF451/BS810		
CONCEPT 2000 (10KW X)	MSF1425BK			B3L01601
CONCEPT 2000 (25KW X MK4)	M1458A			B3L01601
CONCEPT 2000 (25KW S MK4)	M1302LK	BS894		B3L09802
CONCEPT 3000 (10KW X MK4)	MSF1425BK			B3L01601
CONCEPT 3000 (25KW X MK4)	M1458A	BS894		B3L01601
CONCEPT 3000 (25KW S MK4)	M1302LK	BS894		B3L09802
MANTA MKV 10KW XBAND	MSF1425BK	NJS6930	NJC3901B	NJT1946AK
MANTA MKV11 25KW XBAND	M1458A	NJS6930A (w/STC)*	NJC3901B	NJT1946AK
MANTA MKVII 30KW SBAND	M1302LK	NJS6318	NJC3311A	NJS4310D
NUCLEUS 15000 (5KW X MK5)	MSF1422B	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 15000 (10KW X MK5)	MSF1425BK	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 15000 (25KW X MK4)	M1458A			B3L01601
NUCLEUS 15000 (25KW S MK4)	M1302LK	BS894		B3L09802
NUCLEUS 16000 (5KW X MK5)	MSF1422B	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 16000 (10KW X MK5)	MSF1425BK	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 16000 (25KW X MK4)	M1458A			B3L01601
NUCLEUS 16000 (25KW S MK4)	M1302LK	BS894		B3L09802
NUCLEUS 25000 (5KW X MK5)	MSF1422B	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 2 5000 (10KW X MK5)	MSF1425BK	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 2 5000 (25KW X MK4)	M1458A	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 2 5000 (25KW S MK6)	M1302LK	NJS6318		NJS4301D
NUCLEUS 2 6000 (5KW X MK5)	MSF1422B	NJS6830	NJC3901B	NJT1946AK
NUCLEUS 2 6000 (10KW X MK5)	MSF1425BK	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 2 6000 (25 KW X MK4)	M1458A	NJS6930	NJC3901B	NJT1946AK
NUCLEUS 2 6000 (25 KW S MK8)	M1302LK	NJS6318		NJS4310D
NUCLEUS 3 5000 (10KW X MK 5)	MSF1425BK	NJS6930A (w/STC)*	NJC3901B	NJT1946AK
NUCLEUS 3 5000 (25KW X MK 4)	M1458A	NJS6930A (w/STC)*	NJC3901B	NJT1946AK
NUCLEUS 3 5000 (25KW S MK 6)	M1302LK	NJC3311A		NJS4310D
NUCLEUS 3 6000 (10KW X MK5)	MSF1425BK	NJS6930A (w/STC)*	NJC3901B	NJT1946AK
NUCLEUS 3 6000 (25KW X MK 4)	M1568B	NJS6930A (w/STC)*	NJC3901B	NJT1946AK
NUCLEUS 3 6000 (25KW S MK 6)	M1302LK	NJC3311A		NJS4310D
NUCLEUS 6000A	M1302LK	NJS6318		NJS4310D
RADPAK 16 (10KW X)	MSF1425BK	NJS6930		NJS7901B
RADPAK 16 (25KW X MK3)	M1458A			
RADPAK 16 (25KW X MK3)	M1302LK	BS894		
RAD PAK S BAND	M1623	QF38A/BS894		
RAD PAK X	M1328	QF451/BS810		
RADTRAK (10KW X)	MSF1425BK	NJS6930		NJS7901B
RADTRAK (25KW X MK3)	M1458A			
RADTRAK (25KW X MK3)	M1302LK	BS894		
RIVER RADAR	MSF1422B	NJS6930	NJC3901B	NJT1946AK

See next page for more model numbers.

KELVIN HUGHES (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
SERIES A S BAND	M1302LK	QF38A/BS894		
SERIES A X BAND	M1328			
SERIES 500	M1302LK	NJS6930		
SERIES 1600 (10 kW)	MSF1425BK	NJS6930		
SERIES 1600 (25kW)	M1328			
Sharpeye	solid state			

KODEN				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
MD300	MRF1421B			
MD303	MRF1421B			
MD305	MRF1421B			
MD306	MSF1422B			
MD503	9M64A			
MD503 II	9M502(only)			
MD505	MSS1422A			NJS7901B
MD505 II	MVS1425A			
MD506	MVS1425B			
MD809	MVS1425B			
MD810	9M72			
MD847	9M31 or 2J55		TL368A	
MD-2100	MSF1425B	NJC3901C	NJS6930	NJT1946A
MD-2175	MSF1422B		NJS6928	
MD3000	MRF1421B or 9M302			
MD3010	MSF1425B	NJC3901C	NJS6928	NJT1946A
MD3020	M1458A	NJC3901C	NJS6930	NJT1946A
MD3030	MRF1421B or 9M302			
MD3050	MSF1422B	NJC3901C	NJS6928	NJT1946A
MD3050MK2	MSF1422B	NJC3901C	NJS6928	NJT1946A
MD3210	MSF1425B	NJC3901C	NJS6928	NJT1946A
MD3210A	MSF1425B	NJC3901C	NJS6928	NJT1946A
MD3210MK2	MSF1425B	NJC3901C	NJS6928	NJT1946A
MD3220	M1458A*	NJC3901C	NJS6930	NJT1946A
MD3220MK2	M1458	NJC3901C	NJS6930	NJT1946A
MD3400	MAF1421BN			
MD3401	MAF1421BN			
MD3404	MAF1421BN			
MD3420 (E)	E3561/MG5353		NJS6928	NJT1946A
MD3420 (J)	E3561/MG5353		-----	
MD3420MK2	M1516	T-junction	NJS6931K	NJT1992
MD3441 (E)	MAF1421BN		-----	
MD3441 (J)	MAF1421BN		-----	
MD3430	MSF1421B			
MD3440	MSF1421B			SRX40
MD3600	MAF1421BN			
MD3604	MAF1421BN			
MD3630	MSF1421B	-	NJS6928	NJT1946A
MD3640	MSF1421B	-	NJS6928	NJT1946A
MD3641 (E)	MAF1421BN		-----	
MD3641 (J)	MAF1421BN		-----	
MD3641D	MAF1421BN		-----	
MD3642 (E)	MAF1421BN		NJS6931	
MD3642 (J)	MAF1421BN		NJS6931	
MD3642 (T)	MAF1421BN			
MD3650	MSF1421B	NJC3901B	NJS6930	NJT1946A
MD3711/B	MVF1425B	NJC3901B		NJT1946A
MD3712A	M1325L or 9M752	NJC3901B		SRX27
MD3701	MRF1421B			NJT1946A
MD3711B	MSF1425B			NJT1946A
MD3721/A	M1458A*	NJC3901B		
MD3730	MRF1421B or 9M302			
MD3731	MRF1421B	NJC3901B	NJS6930	NJT1946A
MD3751	MSF1422B			
MD3810	MSF1425B	NJC3901C	NJS6930	NJT1946A
MD3830	MSF1421B		NJS6928	NJT1946
MD3840 (E)	MAF1421BN		NJS6931	

See next page for more model numbers.

KODEN (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
MD3840 (J)	MAF1421BN		NJS6931	
MD3850	MSF1422B		NJS6928	NJT1946A
MD3910	MSF1425B	NJC3901C	NJS6930	NJT1946A
MD3920	M1458	NJC3901C	NJS6930	NJT1946A
MD3950	MSF1422B	NJC3901C	NJS6930	NJT1946A
MDC921	M1489	NJC3901B	NJS6931K	NJT1949A
MDC940	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC941	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1010	MSF1425B		NJS6930	NJT1973
MDC1021	M1489	-	NJS6931	NJT1949A
MDC1040F	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1040T	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1041	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1060	MSF1422B		NJS6930	NJT1973
MDC1510	MSF1425B		NJS6930	NJT1973
MDC1520	M1458A	NJC3901C	NJS6930	NJT1973
MDC1540	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1541	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC1560	MSF1422B		NJS6930	NJT1973
MDC1710	MSF1425B		NJS6930	NJT1973
MDC1710P	MSF1425B		NJS6930	NJT1973
MDC1720	M1458A	NJC3901C	NJS6930	NJT1973
MDC1720P	M1458A	NJC3901C	NJS6930	NJT1973
MDC1760	MSF1422B		NJS6930	NJT1973
MDC1760P	MSF1422B		NJS6930	NJT1973
MDC1810	MSF1425B		NJS6930	NJT1973
MDC1810P	MSF1425B		NJS6930	NJT1973
MDC1820	M1458A	NJC3901C	NJS6930	NJT1973
MDC1820P	M1458A	NJC3901C	NJS6930	NJT1973
MDC1910	MSF1425B		NJS6930	NJT1973
MDC1910P	MSF1425B		NJS6930	NJT1973
MDC1920	M1458A	NJC3901C	NJS6930	NJT1973
MDC1920P	M1458A	NJC3901C	NJS6930	NJT1973
MDC1960	MSF1422B		NJS6930	NJT1973
MDC1960P	MSF1422B		NJS6930	NJT1973
MDC2000	MSF1425B		NJS6930	NJT11973
MDC2010	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2012	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2013	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2040	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2041	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2060	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2210	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2220	M1458A	NJC3901B	NJS6930	NJT1973
MDC2240	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2260	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2510	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2510BB	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2520	M1458A	NJC3901B	NJS6930	NJT1973
MDC2520BB	M1458A	NJC3901B	NJS6930	NJT1973
MDC2540	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2540BB	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC2560	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2560BB	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2910	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2910BB	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2910P	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2910PBB	MSF1425B	NJC3901B	NJS6930	NJT1973
MDC2920	M1458A	NJC3901B	NJS6930	NJT1973
MDC2920BB	M1458A	NJC3901B	NJS6930	NJT1973
MDC2920P	M1458A	NJC3901B	NJS6930	NJT1973
MDC2920PBB	M1458A	NJC3901B	NJS6930	NJT1973
MDC2960	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC2960BB	MSF1422B	NJC3901B	NJS6930	NJT1973
MDC3510	MSF1425B		NJS6930	NJT1973
MDC3510P	MSF1425B		NJS6930	NJT1973

See next page for more model numbers.

KODEN (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
MDC3560	MSF1422B		NJS6930	NJT1973
MDC3560P	MSF1422B		NJS6930	NJT1973
MDC406	MSF1422B	NJC3901B		NJT1946A
MDC410	MSF1425B			NJT1946A
MDC411	M1458A*	NJC3901B		NJT1946A
MDC430	MSF1425B			NJT1946A
MDC431	M1458A			SRX27
MDC451	MRF1421B	NJC3901B	NJS6930	NJT1946A
MDC452	MSF1422B	FCX68		SRX43 (S)
MDC7025	M1568BS			
MDC721	M1489	T-junction	NJS6931	NJT1949A
MDC740	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC741	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC921	M1489	NJC3901D	NJS6931	NJT1949A
MDC940	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDC941	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDL1121	M1489	-	NJS6931	NJT1949A
MDL1140F	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDL1140T	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDL1141	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDL7	E3561//MG5353		-----	S-RX43(S)
MDL7EU	E3561//MG5353		-----	S-RX43(S)
MDL7U	E3561//MG5353		-----	S-RX43(S)
MDP1241	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDP1240	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDP1260	MSF1422B		NJS6930	NJT1973
MDP641	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDP640	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDS1	M1516	T-junction	NJS6931K	NJT1992
MDS8	M1516	T-junction	NJS6931K	NJT1992
MDS9	MAF1421BN		-	
MDS10	MAF1421BN		NJS6931	
MDS21	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDS22	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDS31	MSF1422B		NJS6930	NJT1973
MDS32	MSF1425B		NJS6930	NJT1973
MDS41	M1458A	NJC3901C	NJS6930	NJT1973
MDS51R	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDS52R	MSF1421B	NJC3901D	NJS6930	NJT1949A
MDS61R	MSF1422B		NJS6930	NJT1973
MDS62R	MSF1425B		NJS6930	NJT1973
MDS63R	M1458A	NJC3901C	NJS6930	NJT1973
RR2175	MSF1422B		NJS6928	
RR2195	MSF1422B		NJS6928	
T1040	MSF1421B	NJC3901D	NJS6930	NJT1949A
T1041	MSF1421B	NJC3901D	NJS6930	NJT1949A
T1140	MSF1421B	NJC3901D	NJS6930	NJT1949A
T1141	MSF1421B	NJC3901D	NJS6930	NJT1949A
T175	E3561//MG5353	FCX-68	-----	
T175MK2	M1516	T-junction	NJS6931K	NJT1992
T185	MAF1421BN		-----	
T195	-		-----	
T295 (F)	MAF1421BN		NJS6931	
T295 (T)	MAF1421BN		NJS6931	
TYPE 20/22	MVS1425A			
TYPE 23	MVS1425B			

*Note: Requires reduction in heat voltage

KONGSBERG				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
DATABRIDGE 10 12 KW X BAND	MSF1425B			NJT1946A
DATABRIDGE 10 25 KW X BAND	M1475A	NJC3901B		
DATABRIDGE 10 30 KW S BAND	M1623			

KONAV				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
KONAV	MG5353		NJC3901B	SRX43

LIAONING				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
M19831	MAF1421B			NJT1968B/NJT1968D
M1941/M1206	MAF1422B	NJS6930		NJT1947B/ NJT1946L

LITTON GRUMMAN				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
12	M1308	QF451/BS810		
30A	M1304	QF451/BS810		
32	M1308	QF451/BS810		
33	M1308	QF451/BS810		
45	M1304	QF451/BS810		
50	M5021	MD2901		2K25
050 SUPER	MRF1421C	JF447L/BS958D		
60	MRF1421C	MD2901		
90	MRF1421C	JF447L/BS958D		
110	MRF1421C	MD2901		2K25
125	MVF1425B	JF447L		NJS7901G
150	MVF1425B	JF447L		NJS7901G
159B	M1308	QF451/BS810		
170	MSF1422B	NJS6930	NJC3901B	NJS7901G
183				NJS4310C
184				NJS4310C
212	M1308	QF451/BS810		
214	M1308	QF451/BS810		
217	MVF1425B	QF451/BS810		
219	MSF1422B	NJS6930	NJC3901B	NJS7901G
252	M1458A			
253				NJS4310C
254				NJS4310C
270	MSF1422B	NJS6930	NJC3901B	NJS7901G
303	M1308	QF451/BS810		
317	MSF1422B	NJS6930	NJC3901B	NJS7901G
343				NJS4310C
344				NJS4310C
360	MSF1425B	BS260D	NJC3901B	NJT1946A
361	MSF1425B	BS260D	NJC3901B	NJT1946A
362	M1325L	BS260D		NJT1946A
363	M1555	BS894 + BS169		NJS4310
370	MSF1422B	NJS6921/NJS6930	NJC3901B	SRX15M
404	M1304	QF451/BS810		
470	MSF1422B	NJS6921/NJS6930	NJC3901B	SRX15M
501	MSF1425B	BS260D		NJT1946A
502	M1325L	BS260D		NJT1946A
503	M1555	BS894 + BS169		NJS4310C
505		QF451/BS810		
606	M1304	QF451/BS810		
707	M1304	QF451/BS810		NJS7901G
808		QF451/BS810		
909		QF451/BS810		
939		QF451/BS810		
969		QF451/BS810		
970BT	MSF1425B	NJS6921/NJS6930	NJC3901B	NJS7901G
1070	MSF1425B	NJS6921/NJS6930	NJC3901B	
1260	E3540	NJS6930	NJC3901B	NJT1946A
1290	M1325L	BS260		

See next page for more model numbers.

LITTON GRUMMAN (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
AC1226	M1325L	JF447L/BS958D		NJS7901G
AC1229	M1325L	JF447L/BS958D		NJS7901G
AC1626A	M1325L	JF447L/BS958D		NJS7901G
AC1629A	M1325L	JF447L/BS958D		NJS7901G
ACS1230	M1302L	QF38A/BS894		
ACS1630A	M1302L	QF38A/BS894		
BRIDGEMASTER 180	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 180 25 KW	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER 181	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 250	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 250 25 KW	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER 252	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER340X	M1458A	NJS6943	NJC3901B	NJT1946A
BRIDGEMASTER340S	M1623	NJS6318B		NJS4310C
BRIDGEMASTER C342 X BAND	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER C342 S BAND	M1623	NJS6318B		NJS4310C
BRIDGEMASTER E 10 KW	MSF1425B	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER E 25 KW	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER M342 X BAND	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER M342 S BAND	M1623	NJS6318B		NJS4310C
T-UP	M1458A		NJC3901B	NJT1946A
T-DOWN	M1458		NJC3901B	NJT1946A
D101	MRF1421C	MD2901		
D202	MRF1421C	QF451/BS810		K3081
HD516	MVF1425B	QF451/BS810		
HD519	MVF1425B	QF451/BS810		
RD80	MSF1422B	NJS6930	NJC3901B	NJS7901G
RD83	MSF1422B	NJS6930	NJC3901B	NJS7901G
RD85	MSF1422B	NJS6930	NJC3901B	NJS7901G
RD130	MSF1421B	NJS6930	NJC3901B	NJS7901G
RM204	MRF1421C	QF451/BS810	NJC3901B	NJS7901G
RM314	MRF1421C	QF451/BS810		
RM316	MSF1425B			
RM319	MSF1425B	QF451/BS810		
RM326	M1325L	QF451/BS810		
RM329	M1325L	QF451/BS810		
RM416	MSF1425B	QF451/BS810		
RM419	MSF1425B	QF451/BS810		
RM426	M1325L	QF451/BS810		
RM429	M1325L	QF451/BS810		
RM749	MSF1425B	QF451/BS810		
RM726	M1325L	QF451/BS810		
RM729	M1325L	QF451/BS810		
RM770	MSF1425B	NJS6930	NJC3901B	NJS7901G
RM914	MRF1421C	JF447L/BS958D		
RM914A	MRF1421C	JF447L/BS958D		NJS7901G
RM916	MRF1421C	JF447L/BS958D		
RM916A	MSF1425B	JF447L/BS958D		
RM926	M1325L	JF447L/BS958D		NJS7901G
RM929	M1325L	JF447L/BS958D		NJS7901G
RM1216A	MRF1421C	JF447L/BS958D		NJS7901G
RM1216C	MRF1421C	JF447L/BS958D		NJS7901G
RM1226/C	M1325L	JF447L/BS958D		NJS7901G
RM1229/C	M1325L	JF447L/BS958D		NJS7901G
RM1290	M1302A	BS894		NJS7901G
RM1290A	M1325L	BS260D	NJC3901B	NJT1946A
RM1616B	MRF1424C	JF447L/BS958D		NJS7901G
RM1619B	MRF1424C	JF447L/BS958D		NJS7901G
RM1626A	M1325L	JF447L/BS958D		NJS7901G
RM1629A	M1325L	JF447L/BS958D		NJS7901G
RM1690	M1302L			NJS4310B
RM1690A	MSF1425B	NJS6921/NJS6930	NJC3901B	NJS7901G
RM2070BT	MSF1425B	NJS6930	NJC3901B	NJS7901G
RM2090BT	M1458A	NJS6930	NJC3901B	NJS7901G
RM2490MT	M1325L			

See next page for more model numbers.

LITTON GRUMMAN (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
TM46	M1304	QF451/BS810		
TM416	MSF1425B	QF451/BS810		
TM616	MSF1425B	QF451/BS810		
TM619	MSF1425B	QF451/BS810		
TM626	M1325L	QF451/BS810		
TM629	M1325L	QF451/BS810		
TM816	MSF1425B	QF451/BS810		
TM819	MSF1425B	QF451/BS810		
TM826	M1458A	QF451/BS810		
TM829	M1458A	QF451/BS810		
TM1226	M1458A	JF447L/BS958D		NJS7901G
TM1226A	M1458A	JF447L/BS958D		NJS7901G
TM1229	M1458A	JF447L/BS958D		NJS7901G
TM1229A	M1458A	JF447L/BS958D		NJS7901G
TM1626A	M1458A	JF447L/BS958D		NJS7901G
TM1629A	M1458A	JF447L/BS958D		NJS7901G
TMS1230 (S-BAND)	M1302A	QF38A/BS894		

LOWRANCE				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
LRA2000	MAF1421B			
LRA4000	MAF1421B			
LRA5000	MAF1421B			

MARCONI MARINE				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
ARGUS/HERMEX		QF451/BS810		
CONSORT K/M809	MVS1425A			
CONSORT K/MD305	MRF1421B			
CONSORT K/MD306	MSF1422B			
CONSORT K/MD505	MSS1422A			
CONSORT K/MD505MKII	MSS1422B			
CONSORT K/MD506	MSS1422B			
CONSORT K/MDC406	MSF1422B			
PREDICTOR	M1325L	WF416		
QUOVADIS	M1304	QF451/BS810		
RADIO LOCATOR 4		QF451/BS810		
RADIO LOCATOR RM12S	M1302L	QF38A/BS894		
RADIO LOCATOR RM12X	M1325L	WF416		
RADIO LOCATOR RM16S	M1302L	QF38A/BS894		
RADIO LOCATOR TM12S	M1302L	QF38A/BS894		
RADIO LOCATOR TM12X	M1325L	WF416		
RADIO LOCATOR TM16S	M1302L	QF38A/BS894		
RAYMARC 1	M1312	WF416		
RAYMARC 2	M1312	WF416		
RAYMARC 8	MRF1424C	WF416		
RAYMARC 12	M1312	WF416		
RAYMARC 12HD	M1312	WF416		
RAYMARC 16	M1312	WF416		
K/MD300	MRF1421B			
K/MD303	MRF1421B			
K/MD307	MSF1425B			
K/MD407	MSF1425B			
K/MD505II	MVS1422B			
K/MD809	MVS1425B			
K/MD3011	MSF1425B			
K/MD3012	MSF1425B			
K/MDC410	MSF1425B			
K/MDC430	MSF1425B			
K/MDC503	MSF1422B			
VIGIL	MSF1421C			
VIGIL2	MSF1421C			
VIGILRM	MSF1421C			SRX24 (only)

NAVICO SIMRAD				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
ARC12A	MVF1425B			NJS7901A
DX42S	M1537			
DX45	MAF1421B		NJC3901B	
DX60	MAF1421B		NJC3901B	
DX64S	MSF1421B			
RA30	M1489	NJS6931	T-junction	NJT1949A
RA31	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA32	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA40	M1489	NJS6931	T-junction	NJT1949A
RA40C	M1489	NJS6931	T-junction	NJT1949A
RA41	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA41C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA43	MSF1422B	NJS6930		NJT1973
RA43C	MSF1422B	NJS6930		NJT1973
RA44	MSF1425B	NJS6930		NJT1973
RA44C	MSF1425B	NJS6930		NJT1973
RA51	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA52	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA53	MSF1422B	NJS6930		NJT1973
RA54	MSF1425B	NJS6930		NJT1973
RA55	M1458A	NJS6930	NJC3901C	NJT1973
RA710CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA711CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA712CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA714CA	M1458	NJS6930	NJC3901C	NJT1959
RA714CA-04	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA714CA-06	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA714CA-09	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA722UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UK-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA723UA	M1458	NJS6930	NJC3901C	NJT1959
RA723UA-04	M1458	NJS6930B	NJC3901C	NJT1946A
RA723UA-06	M1458	NJS6930B	NJC3901C	NJT1946A
RA723UA-09	M1458	NJS6930B	NJC3901C	NJT1946A
RA724UA	M1458	NJS6930	NJC3901C	NJT1959
RA724UA	M1458	NJS6930B	NJC3901C	NJT1946A
RA724UA-06	M1458	NJS6930B	NJC3901C	NJT1946A
RA725UA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-03	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-04	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-06	MSF1422B	NJS6930	NJC3901C	NJT1959
RA726UA	MSF1421B	NJS6930	NJC3901C	NJT1959
RA726UA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA726UA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA726UA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA73	MSF1422B	NJS6930		NJT1973
RA73P	MSF1422B	NJS6930		NJT1973
RA74	MSF1425B	NJS6930		NJT1973
RA74P	MSF1425B	NJS6930		NJT1973
RA770UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA770UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA-03	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA-04	MSF1421B	NJS6930	NJC3901D	NJT1959
RA772UA	M1489	NJS6931	T-JUNCTION	NJT1949A
RA772UA	M1489	NJS6931	T-junction	NJT1949A
RA773C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA773UA	MSF1421B	NJS6930	NJC3901D	NJT1949A

NAVICO SIMRAD (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
RA774C-03	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774C-04	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774UA-03	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774UA-04	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA775C	M1489	NJS6931	T-junction	NJT1949A
RA775UA	M1489	NJS6931	T-junction	NJT1949A
RA776C	MSF1422B	NJS6930		NJT1973
RA777C	MSF1425B	NJS6930		NJT1973
R80 6KW	MAF1422B			
R80 12KW	MSF1425B			
R80 25KW	M1458A			
RA84P	MSF1425B			
R90 6KW	MAF1422B			
R90 12KW	MSF1425B			
R90 25KW	M1458A			
TX04	MAF1421B		NJC3901B	
TX06	MAF1422B	NJS6930	NJC3901B	
TX06S	MSF1422B			
TX10S	MSF1425B			
TX12	MAF1425B	NJS6930	NJC3901B	
TX25S	M1568BJ			

NOBELTEC				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
IR2-HD2	M1489	NJS6930	NJC3901D	NJT1949A
IR2-4D	MAF1421B	NJS6930	NJC3901D	NJT1949A
IR2-4.3	MAF1421B	NJS6930	NJC3901D	NJT1949A
IR2-4.4	MAF1421B	NJS6930	NJC3901D	NJT1949A
IR2-6.4	MAF1422B	NJS6931	T-junction	NJT1949A
IR2-6.6	MAF1422B	NJS6931	T-junction	NJT1949A
IR2-12.4	MAF1425B	NJS6930		NJT1973
IR2-12.6	MAF1425B	NJS6930		NJT1973
IR2-25.4	M1458A		NJC3901B	
IR2-25.6	M1458A	NJS6930	NJC3901B	
IR2-25.9	M1458A			

OKI				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
NXA607	MVS1425A	9X64/TL368A		NJS7901B
NX5	MSS1422A	9X64/TL368A		NJS7901B
NX1021	2J55	9X64/TL368A		NJS7901B
NX1022	2J55	9X64/TL368A		NJS7901B
NX1041A	MVS1425A	9X64/TL368A		NJS7901B
NX1043A	M1304	9X64/TL368A		NJS7901B
NX1045A	MVS1425A	9X64/TL368A		NJS7901B
NX1151	MVS1425A	9X64/TL368A		NJS7901B
NX1053	M1304	9X64/TL368A		NJS7901B
NX1055	M1304	9X64/TL368A		NJS7901B
NX1062	2J55	9X64/TL368A		NJS7901B
NX1063	2J55	9X64/TL368A		NJS7901B
NX1081	2J55	9X64/TL368A		NJS7901B
NX1082	2J55	9X64/TL368A		NJS7901B
NX1103	2J70B	BLT119		NJS3301A
ONX6	MSS1422A			
ONX6A	MSS1422A			
ONX10	MVS1425A	TL368A		
ONX20	9M40	TL368A		
ONX1026	9M40	TL368A		
ONX1258A	2J55	TL368A		
ONX2000	9M751			
ONX2014	MVS1425A	9X64/TL368A		NJS7901B
ONX2016	MVS1425A			
ONX2034	M1311L			
ONX2036	M1311L			

See next page for more model numbers.

ONWA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
KR-1238	MSF1425B	-	NJC3901B	NJT1946A
KR-1268	MSF1422B	-	NJC3901B	NJT1968B
KR-1338	MAF1421B	-	NJC3901B	NJT1968B
KR-1538	MAF1421B	-	NJC3901B	NJT1968B
KR-1568	MSF1422B	-	NJC3901B	NJT1968B
KR-1668	MSF1422B	-	NJC3901B	NJT1968B

PANASONIC				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
KXG8300	MRF1421B		NJC3901B	SRX27

RAYTHEON ANSHUTZ				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1010 PATHFINDER	M1310	MA39016X		
1200 PATHFINDER	MRF1421C	NJS6930		NJS7901B
3200 PATHFINDER	MRF1421C	NJS6930		NJS7901C
1200	MRF1421C	NJS6918/NJS6930		NJS7901B
1401A	2J70A	BLT119		
1402A	2J70A	BLT119		
1404A	2J55	1B35A		
1450	2J70A	BLT119		
1500	MVS1425A			
1600	MRF1421C	NJS6918/NJS6930		NJS7901B
1602	2J70A			
1603	MRF1421C	NJS6918/NJS6930		
1900	MVS1425A	TL368A		
1900A	MVS1425A	TL368A		
2403	MRF1421C	NJS6918/NJS6930		NJS7901B
2500	MRF1421C	NJS6918/NJS6930		NJS7901B
2600/MKII/MKIII	MRF1421C	TL368A		
2700	MVS1422B	TL368A		
2800/MKII	MRF1421C	TL368A		
2840/4100 (1006-20X)	M1311L	TL368A		
2900	MVS1425A	TL368A		
3100/MKII	MVS1425A	TL368A		
3300	MVS1422B			
3308	MSF1425B			
3400	MVS1422B			
3500/MKII	MVS1425A			
3604	MRF1421C	NJS6930		NJS7901B
3610	MSF1425B	NJS6936	NJC3901B	NJT1946A
3900	MVS1425A	TL368A		
4804C	MRF1421C	NJS6928	NJC3901B	NJT1945*
6410	MVS1425B	TL368A		
6420	9M72			
6425	9M72	TL368A		
AC1660	2J70B			NJS7901C
AR16	M1439			
APRA2525/7X	M1437/M1437A			
ARPA2510/12S	M1430			
ARPA2525/9X	M1437/M1437A			
ARPA2530/12S	M1302L			
ARPA3425/7X	M1437/M1437A			
ARPA3425/9X	M1437/M1437A			
ARPA3410/12S	M1430			
ARPA3430/12S	M1302L			
M25 PATHFINDER	9M72			
M34 X BAND	9M72			
M34 S BAND	M1302L			
NSC18	MVF1425B	NJS6930	NJC3901B	NJT1946A
NSC25 10KW	MVF1425B	NJS6930	NJC3901B	NJT1946A
NSC25 25KW	M1458A	TL393	NJC3901B	NJT1946A
NSC25 S BAND	M1623	NJS6318B	NJC3309	NJS4310D
NSC34	M1458A	TL393	NJC3901B	NJT1946A

See next page for more model numbers.

RAYTHEON ANSHUTZ (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
NSC34 S BAND	M1623	NJS6318B	NJC3309	NJS4310D
R9	M1489	NJS6931	NJC3901D	
R10	M1439	NJS6933		
R10X	M1439			
R11X	M1439			
R20/21	MRF1421C	NJS6928	NJC3901B	
R20XX	MSF1421B			
R21XX	MSF1421B			
R40	MRF1421C	NJS6930	NJC3901B	NJT1946A
R40X	MSF1421B	NJS6930	NJC3901B	NJT1946A
R40XX	MSF1421B			
R41	MRF1421C	NJS6936	NJC3901B	NJT1946A
R41X	MSF1421B	NJS6930	NJC3901B	NJT1946A
R41XX	MSF1421B			
R61	MSF1425B	NJS6936	NJC3901B	NJT1946A
R70	MSF1421B	NJS6928	NJC3901B	NJT1946A
R70X	MSF1421B			
R71	MSF1421B	NJS6928	NJC3901B	NJT1946A
R72	MSF1425B	NJS6928	NJC3901B	NJT1946A
R73	9M61 or MVS1425B	NJS6928	NJC3901B	NJT1946A
R74	M1430			NJT1307
R81	9M61 or MVS1425B	NJS6928	NJC3901B	NJT1946A
R81X	9M61 or MVS1425B			
R82	M1437/M1437A	NJS6930	NJC3901B	NJT1946A
R82X	M1437/M1437A			
R84	M1430	NJS6930		
R84X	M1430			
R1206XX	MSF1422B	NJS6930 & NJS6926	NJC3901RB	NJT1946A
R1210XX	MSF1425B	NJS6930 & NJS6926	NJC3901RB	NJT1946A
RM1020	M1311L	TL368A		
RM1225	M1311L	TL368A		
RM1250	2J55	TL368A		
RM1260	2J70B	TL368A		
RM1625	M1311L	TL368A		
RM1650	2J55	TL368A		
RM1660	2J70B	TL368A		
SL72	MAF1452B			
SL74	MAF1421B			
SL76	MAF1425B			
STMK2 X BAND	M1458A	TL393	NJC3901B	NJT1946A
STMK2 S BAND	M1623	NJS6318B	NJC3309	NJS4310D
SYNAPSIS 10KW X band	MSF1425B		NJC3901B	NJT1946A
SYNAPSIS 25KW X band	M1458A		NJC3901B	NJT1946A
SYNAPSIS S band	M1623			NJS4310D
TM1660	2J70B	TL368A		
TM2510/12S	M1430			
TM2512S	M1430			
TM2512S	M1430			
TM2540	M1302L			
TM2512S	M1302L			
TM2525/7X-U	M1437/M1437A			
TM2525/9X-D	M1437/M1437A			
TM3410-12S	M1430			
TM3425/7X-U	M1437/M1437A			NJT1946A
TM3425/7X-D	M1437/M1437A			NJT1946A
TM3425/9X-U	M1437/M1437A			NJT1946A
TM3425/9X-D	M1437/M1437A			NJT1946A
TM/AC1225	M1311L	TL368A		
TM/AC1260	2J70B	TL368A		
TM/AC1625	M1311L	TL368A		
TM/AC1650	2J55	TL368A		

RAYTHEON SELENIA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1020	M1311L	TL368A	NJC3309	NJS4310D
1045	2J55	TL368A	NJC3901D	
1060	2J70B	BLT119		
1220/X	M1311L	TL368A		
1220/XA	M1311L	TL368A		
1220/X	M1311L	TL368A	NJC3901B	
1220/XB	M1311L	TL368A		
1250/X	2J55	TL368A		
1250/XA	2J55	TL368A	NJC3901B	NJT1946A
1250/XB	2J55	TL368A	NJC3901B	NJT1946A
1260/12/S	2J70B	BLT119		
1260/12/SA	2J70B	BLT119	NJC3901B	NJT1946A
1260/12/S	2J70B	BLT119	NJC3901B	NJT1946A
1260/12/SB	2J70B	BLT119		
1605	2J55	TL368A	NJC3901B	NJT1946A
1620	2J70B	BLT119	NJC3901B	NJT1946A
1620/X	M1311L	TL368A		
1620/XA	M1311L	TL368A	NJC3901B	NJT1946A
1620/X	M1311L	TL368A	NJC3901B	NJT1946A
1620/XB	M1311L	TL368A	NJC3901B	NJT1946A
1640	2J55	TL368A		NJT1307
1650	2J70B	BLT119	NJC3901B	NJT1946A
1650/X	2J55	TL368A		
1650/XA	2J55	TL368A	NJC3901B	NJT1946A
1650/X	2J55	TL368A		
1650/XB	2J55	TL368A		
1650	2J70B	BLT119		
1660/12A	2J70B	BLT119	NJC3901RB	NJT1946A
1660/12SA	2J70B	BLT119	NJC3901RB	NJT1946A
1660/12S	2J70B	BLT119		
1660/12SB	2J70B	BLT119		
2000	2J55	TL368A		
2502	M1311L	TL368A		

RAYMARINE				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
C70	MAF1610V9			
M92650-S	MAF1560B			
M92652	MAF1561B			
PATH FINDER (2kW)	MAF1452B			
PATH FINDER (4kW)	MAF1421B			
PATH FINDER C&E (2kW)	MAF1560B			
PATH FINDER C&E (4kW)	MAF1561B			
PATH FINDER C&E (NGS) (2kW)	MAF1610V9			
PATH FINDER C&E (NGS) (4kW)	MAF1611V9			
PATH FINDER C&E PEDESTAL (12kW)	MAF1615RF			
PATH FINDER C7E (10kW)	MAF1565B			
RA1048D	MAF1611V9			
RA1048SHD	MAF1615NF			
RA1072D	MAF1611V9			
RA1072SHD	MAF1611V9			
RA3048HD	MAF1615NF			
RA3048SHD	MAF1615NF			
RA3072HD	MAF1615NF			
RA3072SHD	MAF1615NF			
RD218	MAF1610V9			
RD418D/HD	MAF1611V9			
RD424D	MAF1611V9			
RD424HD	MAF1611V9			
T50286	MAF1425B			

CONSILIUM SELESMAR				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1220	M1311L	TL368A		
1245	2J55	TL368A		
1260	2J70B	BLT119		
1620	M1311L	TL368A		
1645	2J55	TL368A		
1660	2J70B	BLT119		
AC1620	M1311L	TL368A		
AC1645	2J55	TL368A		
AC1660	2J70B	BLT119		
MM950 S BAND	M1302L	NJS6318	NJC3310	NJS4310D
MM950 10 KW X BAND	MSF1425A	NJS6930	NJC3901B	NJT1973
MM950 25KW X BAND	M1311L	NJS6943	NJC3901B	NJT1973
NAVBAT	MSF1425A	NJS6930	NJC3901B	NJT1973
RTM10X	MVS1425A	TL368A		
RTM12X	MSF1425A	NJS6930	NJC3901B	NJT1973
RTM25X	M1475A	NJS6930	NJC3901B	NJT1973
RTM30S	M1302L	NJS6318	NJC3310	NJS4310D
RTM45X	2J55	TL368A		
RTM60S	2J70B			
SELESCAN 1024 (45 kW)	2J55	VDX1047S		
SELESCAN 1024 (60 kW)	2J70B	VDS1028S		
SELUX ST340/250 SRT 12U/6X	MSF1425A	NJS6930	NJC3901B	NJT1973
SELUX ST340/250 SRT 12U/9X	MSF1425A	NJS6930	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/6X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/9X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25U/12X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/6X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/9X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 SRT 25D/12X	M1475A	NJS6930S	NJC3901B	NJT1973
SELUX ST340/250 30U/12S	M1302L	NJS6318	NJC3310	NJS4310D
SELUX ST340/250 30U/12S	M1302L	NJS6318	NJC3310	NJS4310D
TM1620	M1311L	TL368A		
TM1645	2J55	TL368A		
TM1660	2J70B	BLT119		RK6043
UP MAST/S-00X	M1302L	NJS6318	NJC3310	NJS4310D
TMTR/S-00X	M1302L	NJS6318	NJC3310	NJS4310D
TMTR/X-00X 10 kW	MSF1425B	NJS6930	NJC3901B	NJT1973
TMTR/X-00X 25 kW	M1458A	NJS6930S	NJC3901B	NJT1973

SAM				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
1000 10kW	MSF1425A			NJS4310D
1000 12.5kW	MSF1425A	NJS6930A	NJC3901B	NJT1973C
1000 25kW	M1475A	NJS6930A	NJC3901B	NJT1973C
1000 25kW-S BAND	M1302L			NJS4310D
1100	MSF1425A	NJS6930A	NJC3901B	NJT1973C
1555	MVS1425A	QF451/BS810		
2000	MRF1421C	TL368A		
2100	MRF1421C			
2205	M1311L	QF451/BS810		
2207	M1311L	QF451/BS810		
5000	M1311L	QF451/BS810		
3000	MVS1425A	QF451/BS810		
3200	MRF1421C	TL368A		
4000 9KW	MVS1425A	QF451/BS810		
4000 20KW	M1311L	JF409L/BS260		
4100	MRF1421C	JF409L/BS260		
4101	MRF1421C	JF409L/BS260		
4300	MRF1424B	JF409L/BS260		
4500	M1311L	JF409L/BS260		
5100	MRF1421C	JF409L/BS260		
5101	MRF1424B	JF409L/BS260		
5300	MRF1424B	JF409L/BS260		
5500	M1311L	JF409L/BS260		
5500S	M1302L	QF38A/BS894		
5600SAC	M1302L	BS894		
5600SRM	M1302L	BS894		

See next page for more model numbers.

SAM (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
5600SAC	M1302L	BS894		
5600STM	M1302L	BS894		
5600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
5600XRM	M1311L	NJS6928	NJC3901B	NJT1946A
5600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
5600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
6500	M1311L	JF409L/BS260		
6500BCA	M1311L	JF409L/BS260		
6500S	M1302L	QF38A/BS894		
6500SBCA	M1302L	QF38A/BS894		
7600AC	M1311L	JF409L/BS260		
7600RM	M1311L	JF409L/BS260		
7600SAC	M1302L	BS894		
7600SRM	M1302L	BS894		
7600SAC	M1302L	BS894		
7600STM	M1302L	BS894		
7600S ARPA	M1302L	BS894		
7600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
7600XRM	M1311L	NJS6928	NJC3901B	NJT1946A
7600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
7600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
8500SA	M1302L	QF38A/BS894		
8500SCAS	M1302L	QF38A/BS894		
8500SAC	M1302L	QF38A/BS894		
8500SAC	M1302L	QF38A/BS894		
8500SAC	M1302L	QF38A/BS894		
8500STM	M1302L	QF38A/BS894		
8500XA	M1311L	JF409L/BS260		
8500XCAS	M1311L	JF409L/BS260		
8500XAC	M1311L	JF409L/BS260		
8500XRM	M1311L	JF409L/BS260		
8500XAC	M1311L	JF409L/BS260		
8500XTM	M1311L	JF409L/BS260		
8600S ARPA	M1302L	BS894		
8600X ARPA	M1311L	NJS6928	NJC3901B	NJT1946A
9600SAC	M1302L	BS894 + BS169		NJS4310D
9600STM	M1302L	BS894 + BS169		NJS4310D
9600S ARPA	M1302L	BS894 + BS169		NJS4310D
9600XAC	M1311L	NJS6928	NJC3901B	NJT1946A
9600XTM	M1311L	NJS6928	NJC3901B	NJT1946A
9600X ARPA	M1311L	NJS6928	NJC3901B	NJT1946A
9800 X	M1311L			
9800 S	M1302L			
Radar Pilot Platinium				
10kW X-band	MSF1425A	NJS6930A	NJC3901B	NJT1973C
25 kW X-band	M1475A	NJS6943	NJC3901B	NJT1973C
S band	M1302L	NJS6318		NJS4310D

SAMYUNG				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
SMR3600	MAF1421BY/MAF1421B		NJC3901DY/NJC3901D	NJT1968BY/NJT1968B
SMR3700	MAF1421BY/MAF1421B		NJC3901DY/NJC3901D	NJT1968BY/NJT1968B
6 kW	MAF1422B		NJC3901B	NJT1968BS

SHANGHAI HONGHOA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
HTR-X04	MAF1421B			NJT1968B
HTR-X10	MSF1425B	NJS6930		NJT1946A
HTR-X25	M1568BJ	NJS6943		NJT1946A
HTR-S30	M1623	NJS6318		NJS4310D
HMR1042	MAF1421B			NJT1968B
HMR1062	MSF1422B	NJS6930		NJT1946A
HMR1102	MSF1425B	NJS6930		NJT1946A
HMR1252	M1568BJ	NJS6943		NJT1946A
HMR2042	MAF1421B			NJT1968B
HMR2062	MAF1422B	NJS6930		NJT1946A

SIMRAD-NAVICO				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
ARC12A	MVF1425B			NJS7901A
DX42S	M1537			
DX45	MAF1421B		NJC3901B	
DX60	MAF1421B		NJC3901B	
DX64S	MSF1421B			
RA30	M1489	NJS6931	T-junction	NJT1949A
RA31	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA32	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA40	M1489	NJS6931	T-junction	NJT1949A
RA40C	M1489	NJS6931	T-junction	NJT1949A
RA41	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA41C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA42C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA43	MSF1422B	NJS6930		NJT1973
RA43C	MSF1422B	NJS6930		NJT1973
RA44	MSF1425B	NJS6930		NJT1973
RA44C	MSF1425B	NJS6930		NJT1973
RA51	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA52	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA53	MSF1422B	NJS6930		NJT1973
RA54	MSF1425B	NJS6930		NJT1973
RA55	M1458A	NJS6930	NJC3901C	NJT1973
RA710CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA711CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA712CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA713CA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA714CA	M1458	NJS6930	NJC3901C	NJT1959
RA714CA-04	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA714CA-06	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA714CA-09	M1458//E3564A	NJS6930B	NJC3901C	NJT1946A
RA722UA	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA722UK-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA723UA	M1458	NJS6930	NJC3901C	NJT1959
RA723UA-04	M1458	NJS6930B	NJC3901C	NJT1946A
RA723UA-06	M1458	NJS6930B	NJC3901C	NJT1946A
RA723UA-09	M1458	NJS6930B	NJC3901C	NJT1946A
RA724UA	M1458	NJS6930	NJC3901C	NJT1959
RA724UA	M1458	NJS6930B	NJC3901C	NJT1946A
RA724UA-06	M1458	NJS6930B	NJC3901C	NJT1946A
RA725UA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-03	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-04	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-06	MSF1422B	NJS6930	NJC3901C	NJT1959

See next page for more model numbers.

SIMRAD-NAVICO (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
RA725UA	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-03	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-04	MSF1422B	NJS6930	NJC3901C	NJT1959
RA725UA-06	MSF1422B	NJS6930	NJC3901C	NJT1959
RA726UA	MSF1421B	NJS6930	NJC3901C	NJT1959
RA726UA-03	MSF1425B	NJS6930	NJC3901C	NJT1959
RA726UA-04	MSF1425B	NJS6930	NJC3901C	NJT1959
RA726UA-06	MSF1425B	NJS6930	NJC3901C	NJT1959
RA73	MSF1422B	NJS6930		NJT1973
RA73P	MSF1422B	NJS6930		NJT1973
RA74	MSF1425B	NJS6930		NJT1973
RA74P	MSF1425B	NJS6930		NJT1973
RA770UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA770UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA-03	MSF1421B	NJS6930	NJC3901D	NJT1959
RA771UA-04	MSF1421B	NJS6930	NJC3901D	NJT1959
RA772UA	M1489	NJS6931	T-JUNCTION	NJT1949A
RA772UA	M1489	NJS6931	T-junction	NJT1949A
RA773C	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA773UA	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774C-03	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774C-04	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774UA-03	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA774UA-04	MSF1421B	NJS6930	NJC3901D	NJT1949A
RA775C	M1489	NJS6931	T-junction	NJT1949A
RA775UA	M1489	NJS6931	T-junction	NJT1949A
RA776C	MSF1422B	NJS6930		NJT1973
RA777C	MSF1425B	NJS6930		NJT1973
TX04	MAF1421B		NJC3901B	
TX06	MAF1422B	NJS6930	NJC3901B	
TX06S	MSF1422B			
TX10S	MSF1425B			
TX12	MAF1425B	NJS6930	NJC3901B	
TX25S	M1568BJ			
ARGUS 12kW	MSF1425B			
ARGUS 25kW	M1458A			
ARGUS 30kW	M1302L			

SPERRY				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
250X (50 kW)	2J55	TL368A		NJS3301A
340S (30 kW)	M1302L	BS894 + NJS6301		NJS3301A
(60 kW)	2J70B	BS894 + NJS6301		NJS3301A
340X (50 kW)	2J55	TL368A		NJS7901B
740 (5 kW)	MSF1422B	NJS6936	NJC3901B	SRX15(A)M
(10 kW)	MSF1425B	NJS6936	NJC3901B	SRX15(A)M
1040 (10 kW)	MVS1425B	NJS6936	NJC3901B	SRX15(A)M
(15 kW)	9M90	NJS6936	NJC3901B	SRX15(A)M
(25 kW)	9M72/M1454	NJS6936	NJC3901B	SRX15(A)M
1270 (10 kW)	MVS1425B	NJS6930	NJC3901B	SRX14(A)M
(25 kW)	9M72/M1454	NJS6936	NJC3901B	SRX15(A)M
3012X	9M72/M1454	NJS6936		
3400M-27	9M72/M1454	NJS6921S/NJS6936	NJC3901B	
3400M-57	2J55	TL368A	NJC3901B	
3400M-314	M1302L	BS894 + NJS6301		
3400M-614	2J70B	BS894 + NJS6301		
4016S (30 kW)	M1302L	BS894 + NJS6301		NJS3301A
(60 kW)	2J70B	BS894 + NJS6301		NJS3301A

See next page for more model numbers.

SPERRY (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
4016X	2J55			
ARPA 343/12 BK/FS	MSF1425B	NJS6930	NJC3901B	NJT1946A
ARPA 342/18 BK/FS	M1458A	NJS6943	NJC3901B	NJT1946A
ARPA 251/16 MK/FS	M1302A			NJS4310D
MK7	MVS1422B			
MK8 (5 kW)	MVS1422B			
MK8 (9 kW)	MVS1425B	TL368A		
MK10	MVS1425B	TL368A		
MK12	2J55	TL368A		
MK12A	2J55	TL368A/9X64		
MK12AS	M1302L	QF38A		NJS3301A
MK16	2J55	TL368A		
MK16AS	M1302L	BS894 + NJS6301		
MK74-74A	MVS1422B	TL368A		NJS7901B
MK104 (8 kW)	MVS1425B	TL368A		NJS7901B
MK104 (20 kW)	9M72/M1454	TL368A		NJS7901B
MK127	9M72/M1454	QF451/BS810		
MK1270 (10 kW)	9M61	NJS6930		NJS7901B
MK1270 (25 kW)	9M72	NJS6936		NJS7901B
MK2217R	MSF1425B	NJS6930		NJS7901B
MK3015X	9M72/M1454	TL368A		NJS7901B
MK4016S (30 kW)	M1302L	BS894 + NJS6301		NJS3301A
MK4016S (60 kW)	2J70B	BS894 + NJS6301		NJS3301A
MK4016X (25 kW)	9M72/M1454	TL368A		NJS7901B
MK4016X (50 kW)	2J55	TL368A		NJS7901B
MK4217R (10 kW)	9M72/M1454	NJS6936	NJC3901B	NJT1946AZ
MK4219R	MSF1425B	NJS6930	NJC3901B	NJT1946A
SUPER MK74A-13	9M61 or MVS1425B	SLX-5A/NJS6930		NJS7901B
SUPER MK74A-14	9M61 or MVS1425B	SLX-5A/NJS6930		NJS7901B
Series E (EPA/ATA/ARPA) 10kw	MSF1425B	NJS6930	NJC3901B	NJT1946A
Series E (EPA/ATA/ARPA) 25kw	M1458A	NJS6943	NJC3901B	NJT1946A
Series E (EPA/ATA/ARPA) 30kw	M1302A			NJS4310D
2500M-57	2J55			
2500M-314	M1302L			
2500M27	9M72/M1454	NJS6921S/NJS6936	NJC3901B	
TR2534-2 X BAND	9M72	NJS6930		NJT1946A
TR3032-2 S BAND	M1302L			NJS4310D
BRIDGEMASTER 180	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 180 25 KW	M1458A	NJS6930A	NJC3901B	NJT1946A
BRIDGEMASTER 181	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 250	MSF1425B	NJS6930	NJC3901B	NJT1946A
BRIDGEMASTER 250 25 kw	M1458A	NJS6930A	NJC3901B	NJT1946A
Visionmaster FT 10kW Xband	MSF1425B	NJS6930	NJC3901B	NJT1946A
Visionmaster 342 FT 25kW Xband	M1458A	NJS6943	NJC3901B	NJT1946A
Visionmaster 343 FT S band	M1302A	NNJS6318	NJC3312	NJS4310D

TERMA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
7-D6	M1308	QF45A/BS810		
20-D20	M1311L	QF451/BS810		
20-T48	M1311L	QF451/BS810		
9T12SUPER	M1308	QF45A/BS810		
9T48SUPER	M1308	QF451/BS810		
20T48SUPER	M1304	QF45A/BS810		
PILOT	M1308	QF451/BS810		
SCANTER 8000 Sband	M1623	QF38A/BS894		
SCANTER 8000 Xband	M1311L	QF451/BS810		
TR3032-2 S BAND	M1302L			
BRIDGEMASTER 180	MSF1425B	NJS6930		
BRIDGEMASTER 180 25 KW	M1458A	NJS6930A		
BRIDGEMASTER 181	MSF1425B	NJS6930		
BRIDGEMASTER 250	MSF1425B	NJS6930		
BRIDGEMASTER 250 25 kw	M1458A	NJS6930A		
Visionmaster FT 10kW Xband	MSF1425B	NJS6930		
Visionmaster 342 FT 25kW Xband	M1458A	NJS6943		
Visionmaster 343 FT S band	M1302A	NNJS6318		

T.K.C. - TOKIMEC				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
BR1000-044	MSF1421B	NJS6930		
BR1000-04R	MSF1421B	NJS6930		
BR100-054	M1361	NJS6930		
BR100-056	M1361	NJS6930		
BR100-14	M1369	NJS6930		
BR100-16	M1369	NJS6930		
BR101D-054	MSF1422B	NJS6928		
BR101D-14	MSF1425B	NJS6928		
BR1500-14	MSF1425B	NJS6930	NJC3901C	
BR1500-17	MSF1425B	NJS6930	NJC3901C	
BR1500-24	M1458	NJS6930	NJC3901C	
BR1500-27	M1458	NJS6930	NJC3901C	
BR1510-16	MSF1425B	NJS6930		
BR1800-14	MSF1425B	NJS6930	NJC3901C	
BR1800-17	MSF1425B	NJS6930	NJC3901C	
BR1800-24	M1458	NJS6930	NJC3901C	
BR1800-27	M1458	NJS6930	NJC3901C	
BR1810-14	MSF1425B	NJS6930	NJC3901C	
BR1810-17	MSF1425B	NJS6930	NJC3901C	
BR1810-24	M1458	NJS6930	NJC3901C	
BR1810-27	M1458	NJS6930	NJC3901C	
BR200-15	9M90	NJS6936		
BR200-15X	9M90	NJS6936		
BR200-17X	9M90	NJS6936		
BR200-25X	9M72	NJS6936		
BR200-27	9M72	NJS6936		
BR200-27X	9M72	NJS6936		
BR200C-14X	9M61	NJS6930		
BR200C-16X	9M61	NJS6930		
BR200P-15X	9M90	NJS6936		
BR200P-27X	9M72	NJS6936		
BR200T-15X	9M90	NJS6936		
BR200T-17X	9M90	NJS6936		
BR200T-25X	9M72	NJS6936		
BR200T-27X	9M72	NJS6936		
BR201C-14	MSF1425B	NJS6928		
BR210-14	9M61	NJS6930		
BR210-14-1	9M61	NJS6930		
BR210-14X	9M61	NJS6930		
BR210-16	9M61	NJS6930		
BR210-16X	9M61	NJS6930		
BR210-24	9M72	NJS6936		
BR210-24X	9M72	NJS6936		
BR210-26	9M72	NJS6936		
BR210-26X	9M72	NJS6936		
BR210E-14	9M61	NJS6930		
BR210E-16	9M61	NJS6930		
BR210E-26	9M72	NJS6936		
BR210P-14	9M61	NJS6930		
BR210P-14-1	9M61	NJS6930		
BR210P-14X	9M61	NJS6930		
BR210P-16	9M61	NJS6930		
BR210P-16X	9M61	NJS6930		
BR210P-26	9M72	NJS6936		
BR210P-26X	9M72	NJS6936		
BR210PE-14	9M61	NJS6930		
BR210PE-16	9M61	NJS6930		
BR2220C-14	MSF1425B	NJS6930	NJC3901C	
BR2220C-17	MSF1425B	NJS6930	NJC3901C	
BR2220C-24	M1458	NJS6930	NJC3901C	
BR2220C-27	M1458	NJS6930	NJC3901C	

See next page for more model numbers.

T.K.C. - TOKIMEC (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
BR2420 10 KW	MSF1425B	NJS6930	NJC3901B	
BR2420 25 KW	M1458A	NJS6943	NJC3901B	
BR2500 10 KW	MSF1425B	NJS6930	NJC3901B	
BR2500 25 KW	M1458A	NJS6943	NJC3901B	
BR2510-14	MSF1425B	NJS6930	NJC3901C	
BR2510-17	MSF1425B	NJS6930	NJC3901C	
BR2510-24	M1458	NJS6930	NJC3901C	
BR2510-27	M1458	NJS6930	NJC3901C	
BR2510C-14	MSF1425B	NJS6930	NJC3901C	
BR2510C-17	MSF1425B	NJS6930	NJC3901C	
BR-2510C-24	M1458	NJS6930	NJC3901C	
BR2510C-27	M1458	NJS6930	NJC3901C	
BR300-14	9M61			
BR300-17	9M61			
BR300-24	9M72			
BR300-27	9M72			
BR300-27X	9M72			
BR300E-14	9M61			
BR300E-17	9M61			
BR300E-24	9M72			
BR300E-27	9M72			
BR300E-27X	9M72			
BR300P-27	9M72			
BR300P-27X	9M72			
BR300PE-27	9M72			
BR300PE-27X	9M72			
BR3200 X	M1568BS			
BR3200 S	M1555			
BR3440CA-S314	M1555	NJS6301		
BR-3440CA-S614	MG5240F	NJS6301		
BR3440CA-X27	M1458	NJS6930	NJC3901C	
BR3440CA-X29	M1458	NJS6930	NJC3901C	
BR3440CA-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440CA-X59	2J55(T)	TL368A	NJC3901B (T)	
BR3440MA-S314	M1623	NJS6301		
BR3440MA-S614	MG5240F	NJS6301		
BR3440MA-X27	M1458	NJS6930	NJC3901C	
BR3440MA-X29	M1458	NJS6930	NJC3901C	
BR3440MA-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440MA-X59	2J55(T)	TL368A	NJC3901B (T)	
BR3440M-S314	M1623	NJS6301		
BR3440M-S614	MG5240F	NJS6301		
BR3440M-X27	M1458	NJS6930	NJC3901C	
BR3440M-X29	M1458	NJS6930	NJC3901C	
BR3440M-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440M-X59	2J55(T)	TL368A	NJC3901B (T)	
BR900	9M302			
MR1210AS-312	M1623	NJS6301		
MR1210AS-612	2J70B	NJS6301		
MR1210AX-57	2J55	TL368A		
MR1210AX-59	2J55	TL368A		
MR1210AX-59C	2J55	TL368A		
MR1210S-312	M1623	NJS6301		
MR1210S-612	2J70B	NJS6301		
MR1210X-27	9M72	TL368A		
MR1210X-29	9M72	TL368A		
MR1210X-57	2J55	TL368A		
MR1210X-59	2J55	TL368A		
BR3440CA-X27	M1458	NJS6930	NJC3901C	
BR3440CA-X29	M1458	NJS6930	NJC3901C	
BR3440CA-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440CA-X59	2J55(T)	TL368A	NJC3901B (T)	
BR3440MA-S314	M1623	NJS6301		
BR3440MA-S614	MG5240F	NJS6301		

See next page for more model numbers.

T.K.C. - TOKIMEC (CONT.)				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
BR3440MA-X27	M1458	NJS6930	NJC3901C	
BR3440MA-X29	M1458	NJS6930	NJC3901C	
BR3440MA-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440MA-X59	2J55(T)	TL368A	NJC3901B (T)	
BR3440M-S314	M1623	NJS6301		
BR3440M-S614	MG5240F	NJS6301		
BR3440M-X27	M1458	NJS6930	NJC3901C	
BR3440M-X29	M1458	NJS6930	NJC3901C	
BR3440M-X57	2J55(T)	TL368A	NJC3901B (T)	
BR3440M-X59	2J55(T)	TL368A	NJC3901B (T)	
BR900	9M302			
MR1210AS-312	M1623	NJS6301		
MR1210AS-612	2J70B	NJS6301		
MR1210AX-57	2J55	TL368A		
MR1210AX-59	2J55	TL368A		
MR1210AX-59C	2J55	TL368A		
MR1210S-312	M1623	NJS6301		
MR1210S-612	2J70B	NJS6301		
MR1210X-27	9M72	TL368A		
MR1210X-29	9M72	TL368A		
MR1210X-57	2J55	TL368A		
MR1210X-59	2J55	TL368A		
MR1600AS-312	M1623	NJS6301		
MR1600AS-612	2J70B	NJS6301		
MR1600AX-57	2J55	TL368A		
MR1600AX-59	2J55	TL368A		
MR1600AX-59C	2J55	TL368A		
MR1600S-312	M5020	NJS6301		
MR1600S-612	2J70B	NJS6301		
MR1600X-27	9M72	TL368A		
MR1600X-29	9M72	TL368A		
MR1600X-57	2J55	TL368A		
MR1600X-59	2J55	TL368A		
MR3217	9M612	NJS6930		
RASCAR2500M-S314	M1623	NJS6301		
RASCAR2500M-S614	MG5240F	NJS6301		
RASCAR2500M-X27	9M72	NJS6930		
RASCAR2500M-X59	2J55 T	TL368A	NJC3901B (T)	
RASCAR2510M-X14	MSF1425B	NJS6930	NJC3901C	
RASCAR2510M-X17	MSF1425B	NJS6930	NJC3901C	
RASCAR2510M-X24	M1458	NJS6930	NJC3901C	
RASCAR2510M-X27	M1458	NJS6930	NJC3901C	
RASCAR3400M-S314	M1623	NJS6301		
RASCAR3400M-S614	MG5240F	NJS6301		
RASCAR3400M-X27	9M72	NJS6930		
RASCAR3400M-X29	9M72	NJS6930		
RASCAR3400M-X57	2J55 (T)	TL368A	NJC3901B (T)	
RASCAR3400M-X59	2J55 (T)	TL368A	NJC3901B (T)	
SRV-270	9M80	NJS6928		

UNITRA-RAWAR				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
SRN206	MRF1421C		NJC3901C	
SRN207	MRF1421C		NJC3901C	
SRN300	MRF1421C		NJC3901B (T)	
SRN743X	M1325L	QF451/BS810	NJC3901B (T)	
SRN744X	M1325L	QF451/BS810		
SRN745X	M1302L	QF38A/BS894		
TRN311	M1308		NJC3901C	
TRN312	M1308		NJC3901C	
TRN421	M1325L		NJC3901B (T)	
TRN422	M1325L		NJC3901B (T)	
TRN423	M1325L			
TRN424	M1325L			
TRN523	M1325L		NJC3901C	
TRN524	M1325L		NJC3901C	

VEGA RADAR-BENMAR				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
MR-12	MRF1421C			

ZESUN/VSA				
Radar Model	**Magnetron**	**TR Tube/Limiter**	**Circulator**	**LNFE/Oscillator**
RS-1206/1212-B	MSF1425B	NJS6930	FCX67C	NJT1946A
RS-1712-B	MSF1425B	NJS6930	FCX67C	NJT1946A
RS-1512-B	MSF1425B	NJS6930	FCX67C	NJT1946A

CROSS REFERENCE GUIDE		
Type To Be Replaced	**Replacement Type**	
2J42	MVS1425A	
9M302	MRF1421B	
9M31	9M31	
9M40	9M40	
9M502	MSF1422B	
9M602	MVF1425B	
9M61	MVS1425A	
9M612	MSF1425B	
9M62A	MSS1422A	
9M65	9M502/E3526	
9M72	9M72	
9M752	9M752 or M1325L	
9M753	M1328L	
9M80	MVS1422B	
9M80A	MVS1425A	
AMC-1	M1439	
E3509	9M72	
E3509L	M1311L	
E3513	MRF1421B	
E3526	MSF1422B	
E3554	MG5353	
E3560	MAF1422B	
E3560	M1458A	
E3561	MG5353	
E3564A	M1458A	
E3566	MAF1425B	
E3571	MAF1421B	
E3573	MAF1421B	
E3581	MAF1452B	
E3585	MAF1421B	
ET105	2J70B	
ET760	MVS1425A	
ET761	M1311L	
JP9-15	M1304	
JP9-18	9M72	
JP9-2.5D	MRF1421C	
JP9-2.5E	MRFB1421C	
JP9-2.5F	MRF1421B	
JP9-7	MVS1425A	
JP9-7L	M1310	
M1305	MVF1425B	
M1305L	MRFB1421C	
M1308	MVS1425A	
M1311L	M1311L	
M1315L	MRF1421C	
M1325L	M1325L	
M1328	M1328	
M1353L	M1353L	
M1354L	MRF1424C	
M1361	MSF1422B	
M1369	MSF1425B	
M1430	M1430	
M1437	M1437	
M1454	M1454	
M1457	M1457	

CROSS REFERENCE GUIDE		
Type To Be Replaced	**Replacement Type**	
M1458	M1458	
M1458A	M1458A	
M1461	M1461	
M1492	M1492	
M1517	M1517N	
M1517N	M1517N	
M1528	M1528	
M1555	M1555	V9 TYPE NO EQUIVALENT
M1568BJ	M1568BJ	V9 TYPE NO EQUIVALENT
M1568BS	M1568BS	V9 TYPE NO EQUIVALENT
M4505E	9M31	
M4527E	MSS1422A	
M5020	M1302L	
M5022	M1328	
M5031	M1310	
M5039	M1311L	
M503A	MVS1425A	
M5043	M1353L	
M5044	MRF1424C	
M5063	2J70B	
M5065	MSS1422A	
M5108	MVS1425B	
M5115	MVS1422B	
M5131	9M72	
M513B	M1304	
M515	M1325L	
M5174	MSF1425B	
M5187	M1325L	
M5187F	M1517N	
M5196A	MRF1421C	
M5196B	MRFB1421C	
M5196F	MRF1421B	
M5197	MRF1424C	
M5198	MRF1424B	
M5199	M1328	
M526	MVS1425A	
M551	4J52A	
M597	MVF1425B	
M598B	M1312	
M599A	MRF1421C	
M599B	MRFB1421C	
M599F	MRF1421B	
MAF1562R	MAF1562R	V9 TYPE NO EQUIVALENT
MAF1565N	MAF1565N	V9 TYPE NO EQUIVALENT
MAF1610B	MAF1610B	V9 TYPE NO EQUIVALENT
MAF1611B	MAF1611B	V9 TYPE NO EQUIVALENT
MAF1615B	MAF1615B	V9 TYPE NO EQUIVALENT
MAG3	MVS1425A	
MG4004	MAF1421B	
MG4006	MAF1422B	
MG4010	MAF1425B	
MG5217	MSF1422B	
MG5218	M1458A	
MG5222	M1311L	
MG5223	M1623	
MG5223F	M1623	

CROSS REFERENCE GUIDE		
Type To Be Replaced	**Replacement Type**	
MG5232	MSF1422B	
MG5233	MRF1424B	
MG5234	MRF1424C	
MG5238A	MRF1421C	
MG5238B	MRFB1421C	
MG5239	M1311L (w/ special input cap)	
MG5241	MSF1425B	
MG5243	MSF1421C	
MG5244	MVS1425A	
MG5245	MSF1425A	
MG5248	MSF1421B	
MG5251	MRF1421B	
MG5255	MVS1422B	
MG5256	M1310	
MG5257	MVF1425B	
MG5258	MVS1425B	
MG5259	MSS1422A	
MG5264	9M72 or M1454	
MG5267	2J70B	
MG5273	MVF1422B	
MG5289	2J70B	
MG5353	MAF1452B	
MG5388	MAF1421B	
MG5388C	MAF1421BN	
MG5424	M1458A	
MG5435	2J55	
MG5436	M1636	
MG5437	M1458A	
MG5459	M1475A	
QKH1862	M1311L	
QKH1978	2J70B	
RMC-1	M1439	
RMC-2	M1489	
YJ1071	MVF1425B	
YJ1110	M1311L	
YJ1120	M1325L	
YJ1121	M1328	
YJ1300	MRF1424B	
YJ1301	MRF1424C	