

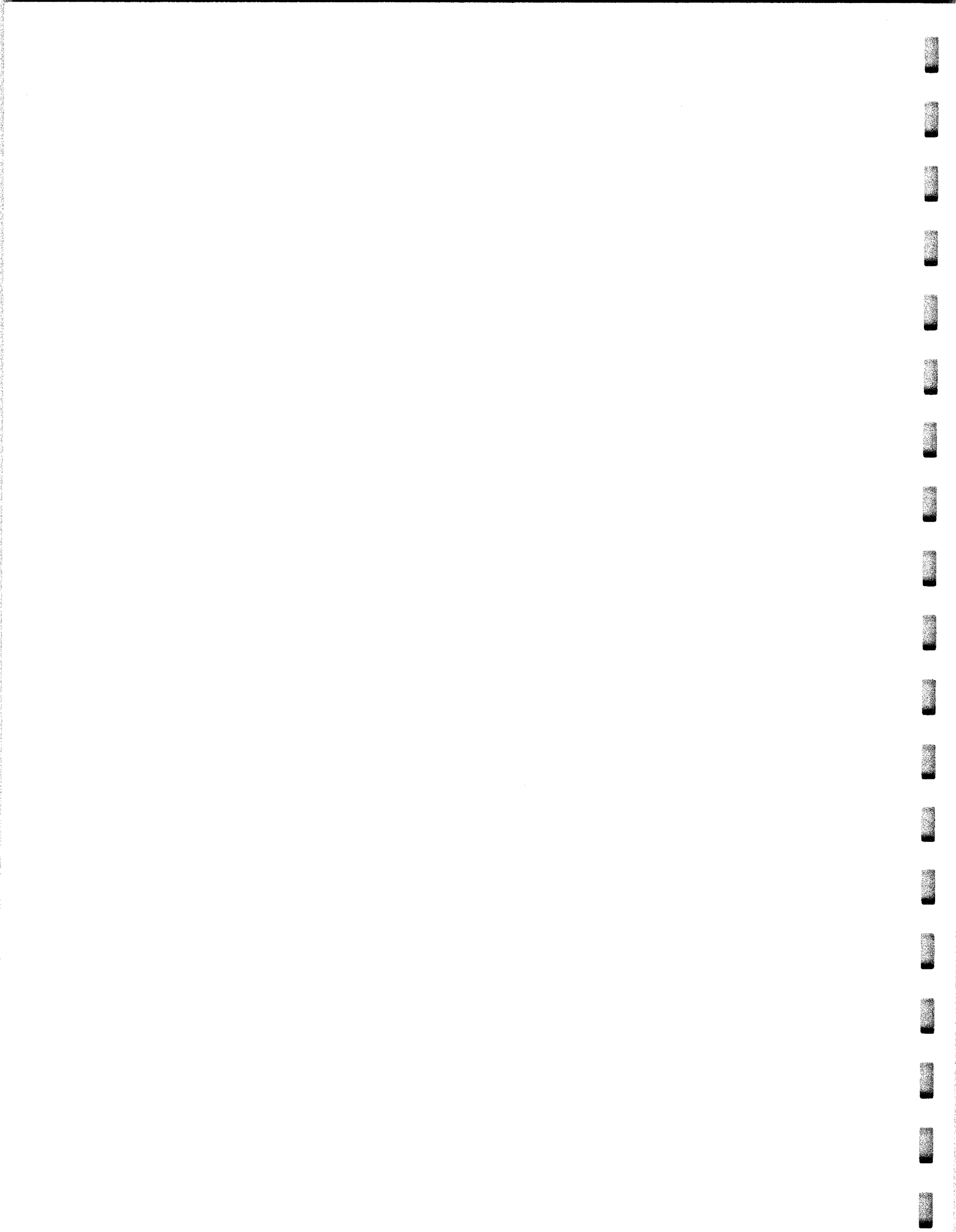
*Class 53—Filter Units*

CLASS 53  
FILTER UNITS  
(ALL ELECTRICAL TYPES)

INCLUDES: RIPPLE FILTERS  
RADIO FREQUENCY FILTERS  
BAND PASS FILTERS  
SOUND FILTERS  
VIBRATING REED FILTERS

RESTRICTED

NAVSHIPS 900,109



Class 53—Filter Units

3.53-1

| NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION |
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| CBA 53000<br>FILTER UNIT  | RU-1               |                               | CG- 53008<br>FILTER UNIT<br>FOR 440 VOLT, 3 PHASE, 25 CYCLE, M.G.<br>SET.                                  | TBA-1a             | XA-8313                       | CRV 53016<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 2040 CYCLES.<br>CONSISTS OF 3 CHOKES, 3 CAPACITORS. | UA                 |                               |
| 12/21/31<br>NOV. 41   |                    |                               | 6/16/32<br>NOV. 41   |                    | P-7760122-G-3 &<br>K-7861588  | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CRV 53001<br>FILTER UNIT<br>LOW PASS CONSISTS OF 3 AF REACTORS<br>AND 5 FIXED CAPACITORS SEALED IN CAN. | RAA & RAB          |                               | CG- 53009<br>FILTER UNIT   | TAQ-3              | XA-8444                       | CRV 53017<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 3140 CYCLES.<br>CONSISTS OF 3 CHOKES, 3 CAPACITORS. | UA                 |                               |
| 3/10/32<br>NOV. 41  | CP-110             | P-64915-501<br>64915 G-1      | 11/21/32<br>NOV. 41  |                    | M-7461071                     | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CRV 53002<br>FILTER UNIT<br>BAND-PASS CONSISTS OF AF REACTORS AND 7<br>FIXED CAPACITORS SEALED IN CAN.  | RAA & RAB          |                               | CRV 53010<br>FILTER UNIT<br>BAND PASS COMPRISING 7 AF REACTORS & 7<br>FIXED CAPACITORS SEALED IN CAN.      |                    |                               | CRV 53018<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 4460 CYCLES.<br>CONSISTS OF 3 CHOKES, 3 CAPACITORS. | UA                 |                               |
| 3/10/32<br>NOV. 41  | CP-109             | 64914 G-1                     | 1/4/33<br>NOV. 41  | EA-29-A            | P-64971-G-1                   | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CG- 53003<br>FILTER UNIT<br>115 VOLTS.  | TBB                | XA-8211                       | CRV 53011<br>FILTER UNIT<br>BAND PASS. CONSISTS OF 9 CHOKES, 12<br>CAPACITORS.                             | RAE                | XA-8559                       | CRV 53019<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 950 CYCLES.<br>CONSISTS OF 9 CHOKES, 9 CAPACITORS.  | UA                 |                               |
| * DWG. P-7760122 G-1, OUTLINE 7861588)<br>3/4/32<br>NOV. 41   |                    | * SEE ABOVE                   | 4/19/33<br>NOV. 41   |                    | P-64982                       | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CG- 53004<br>FILTER & PROTECTIVE UNIT<br>115 VOLTS.   | TBB                | XA-8211                       | CRV 53012<br>FILTER UNIT<br>LOW PASS.  | RAE                |                               | CRV 53020<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 1330 CYCLES.<br>CONSISTS OF 9 CHOKES, 9 CAPACITORS. | UA                 |                               |
| * DWG. P-7760187 G-1, OUTLINE M-7460620)<br>3/4/32<br>NOV. 41   |                    | * SEE ABOVE                   | NOV. 41  |                    | P-64981                       | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CG- 53005<br>FILTER UNIT<br>230 VOLTS.  | TBB                | XA-8211                       | CRV 53013<br>FILTER UNIT   | TBG                |                               | CRV 53021<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 2040 CYCLES.<br>CONSISTS OF 9 CHOKES, 9 CAPACITORS. | UA                 |                               |
| * DWG P-7760122 G-2) (4614)<br>3/4/32<br>NOV. 41  |                    | * SEE ABOVE                   | 5/9/33<br>NOV. 41  |                    | M-402490                      | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CG- 53006<br>FILTER & PROTECTIVE UNIT<br>230 VOLTS.   | TBB                | XA-8211                       | CRV 53014<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 950 CYCLES.<br>CONSISTS OF 3 CHOKES, 3 CAPACITORS.  | UA                 |                               | CRV 53022<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 3140 CYCLES.<br>CONSISTS OF 9 CAPACITORS.           | UA                 |                               |
| * DWG. P-7760187 G-2, OUTLINE M-7460620)<br>3/4/32<br>NOV. 41   |                    | * SEE ABOVE                   | 5/15/33<br>NOV. 41   |                    | P-701565                      | 5/15/33<br>NOV. 41   |                    | P-701565                      |
| CG- 53007<br>FILTER UNIT<br>FOR 220 VOLTS, 3 PHASE, 60 CYCLES M.G.<br>SET.                              | TBA-1              | XA-8313                       | CRV 53015<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 1330 CYCLES.<br>CONSISTS OF 3 CHOKES, 3 CAPACITORS. | UA                 |                               | CRV 53023<br>FILTER UNIT<br>BAND PASS - MEAN FREQUENCY 4460 CYCLES.<br>CONSISTS OF 9 CHOKES, 9 CAPACITORS. | UA                 |                               |
| * DWG. P-7760122-G-4 & K-7861588)<br>6/16/32<br>NOV. 41   |                    | * SEE ABOVE                   | 5/15/33<br>NOV. 41   |                    | P-701565                      | 5/15/33<br>NOV. 41   |                    | P-701565                      |

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| DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER |
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NAVSHIPS 900,109

3.53-2

Class 53—Filter Units

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| CAY 53024  | TAY-2              | CAY-T-113                     | CG-53028   | GI                 |                               | CBM 53029-G  | QCH-1              | 55RE 53J 1024                 |
| FILTER UNIT FOR USE WITH 21087 GENERATOR WITH ACCESSORIES. 37-1/4 LBS. |                    |                               | FILTER UNIT USED WITH ECLIPSE TYPE AD-2M DYNAMOTOR.  |                    |                               | FILTER JUNCTION BOX (24 KC); SIMILAR TO -53029C EXCEPT FOR USE WITH ECHO RANGING PROJECTOR AND EXCEPT FOR TERMINAL ENGRAVING AND CABLE ENTRANCE SIZES. |                    |                               |
| 7/24/33  |                    |                               | 4/18/34  |                    |                               | 8/26/39  | 572 M              | CBM:572 M                     |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| RW-53025   | RC-3               |                               | CBM 53029  | QC-1               |                               | CRV 53030  | NM-3 & QC-3        |                               |
| FILTER - LINE. 105 - 120 VOLTS D.C.                                    |                    |                               | FILTER UNIT AND JUNCTION BOX. (24 KC).   |                    |                               | FILTER - LOW PASS INDUCTANCE: 1.6 HENRIES - 200 OHMS. CAPACITY: TWO 3600-MMFD. UNITS. CUT-OFF: 3,000 CYCLES.   |                    |                               |
| 9/6/33   |                    |                               | 11/28/34   | 572C               |                               | 3/19/35  | XT-1945            | KX-280958                     |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| CN-53026   | RC-3               |                               | CBM 53029-A  | QC-2               | 55RE53F1006A                  | CRV 53031  | RAK & RAK-1        |                               |
| FILTER SYSTEM  |                    |                               | FILTER UNIT (SAME AS CBM-53029 EXCEPT TERMINAL WIRING.)  |                    |                               | FILTER CONSISTS OF FOUR CHOKES AND SEVEN CAPACITORS. SEALED IN CAN WITH 4 LEADS.   |                    |                               |
| 9/8/33   |                    | (2514)                        | 2/18/35  | 572-B              |                               | 5/8/35   | RT-346             | P-72402-G-501                 |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| CBM 53027  | QC - NM            | 55RE53F1003                   | CBM-53029-B  | QC-5               | 55RE53F1008A                  | CRV 53032  | RAL & RAL-1        |                               |
| FILTER UNIT. 30 KC.  |                    |                               | FILTER-JUNCTION BOX SAME AS CBM-53029A EXCEPT TYPE NO. OF CAPACITOR. USES --48821 CAPACITOR.   |                    |                               | FILTER UNIT CONSISTS OF FOUR CHOKES AND SIX CAPACITORS. SEALED IN CAN WITH SIX LEADS.  |                    |                               |
| 2/1/34   | 572                |                               | 2/26/36  | 572E               |                               | 5/8/35   | RT-363             | P-72402-G-502                 |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| CBM 53027-A  |                    |                               | CBM 53029-C  | QCH                | 55RE53J1017A                  | CBM 53033  | QC-4               | 55RE53F1011A                  |
| FILTER JUNCTION BOX  |                    |                               | FILTER JUNCTION BOX SAME AS 53029B EXCEPT FOR TERMINAL MARKING. FREQ 24 KC.  |                    |                               | RECTIFIER POWER UNIT   |                    |                               |
| NOV. 41  |                    |                               | 8/9/38   | 672J               | SK-3778B                      | 1/4/36   | 705A               |                               |
|  |                    |                               | MAR. 43  |                    |                               | NOV. 41  |                    |                               |
| CBM 53027-B  | NM-1 & QC-1        |                               | CBM 53029-D  | QCJ                | 55RE53J1017A                  | CBM 53033-A  | NM-4               | 55RE53F1011A                  |
| FILTER JUNCTION BOX (SIMILAR TO 53027A EXCEPT SHAPE OF CASE)           |                    |                               | FILTER JUNCTION BOX SIMILAR TO TYPE CBM-53029C, EXCEPT FOR TERMINAL PANEL ENGRAVING.   |                    |                               | RECTIFIER POWER UNIT SAME AS CBM-53033 EXCEPT FOR TERMINAL MARKINGS. RIGHT HAND CABLE ENTRY.   |                    |                               |
| 3/21/34  | 572-A              |                               | 11/1/38  | 572K               | SK-3778 ALT 0                 | 5/20/36  | 705B               | 705B                          |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| CBM 53027-C  | NM-2               | 55RE53F1005A                  | CBM 53029-E  | WAA                |                               | CBM 53033-B  | NM-4               | 55RE53F1011A                  |
| FILTER JUNCTION BOX (SAME AS CBM-53027B EXCEPT TERMINAL MARKINGS.)     |                    |                               | FILTER JUNCTION BOX FOR CONNECTING AC & DC CIRCUITS INTO A LOW IMPEDANCE(100 OHMS) 24 KC PROJECTOR WITH CAPACITORS & REACTORS TO ISOLATE CIRCUITS & CORRECT POWER FACTOR. SIMILAR TO NAVY TYPE CBM-53029C EXCEPT FOR TERMINAL ENGRAVING.   |                    |                               | RECTIFIER POWER UNIT SAME AS CBM-53033A EXCEPT FOR LEFT HAND CABLE ENTRY.  |                    |                               |
| 2/18/35  | 576C               |                               | 8/9/39   | 572N               | 6920 ALT 0                    | 7/16/36  | 705C               | 705C                          |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |
| CBM 53027-D  | NM-5               | 55RE53F1007A                  | CBM 53029-F  | WAA                |                               | CBM 53034  | QC-5 b             | 55RE53F1009A                  |
| SAME AS 53027C EXCEPT CAPACITORS ARE OF DIFFERENT MAKE & SHAPE.        |                    |                               | FILTER JUNCTION BOX FOR CONNECTING AC & DC CIRCUITS INTO A LOW IMPEDANCE(100 OHMS) 24 KC PROJECTOR WITH CAPACITORS & REACTORS TO ISOLATE CIRCUITS AND CORRECT POWER FACTOR. SIMILAR TO NAVY TYPE CBM-53029E EXCEPT FOR TERMINAL ENGRAVING. |                    |                               | FILTER-JUNCTION BOX FOR COUPLING CBM-52049 DRIVER TO CBM-73049 PROJECTOR.  |                    |                               |
| 2/26/36  | 576D               |                               | 8/9/39   | 572P               | SK-3778C ALT 0                | 2/26/36  | 572-F              |                               |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | NOV. 41  |                    |                               |

Class 53—Filter Units

3.53-3

| NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION |
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| CBM 53035  | NM-6               | 55RE53F1015A                  | CBM 53041   | * SEE BELOW        | 55RE53F1010A                  | CRV 53049  | * SEE BELOW        |                               |
| FILTER-JUNCTION BOX FOR COUPLING CBM-78053 DRIVER TO CBM-78054 PROJECTOR.  |                    |                               | FILTER JUNCTION BOX - 18 KC & 24 KC. USED IN PROJECTOR CIRCUIT RATHBURNE ONLY.  |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 6750 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               |
| 4/23/36  | 576F               |                               | * NM-4a & QC-1B.  |                    |                               | * (UC) CRV-23115.  |                    |                               |
| NOV. 41  |                    |                               | 12/28/36  | 572 H              |                               | 10/8/37  | XT-2721-H          | KX-284017 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CAY 53036  | TBL-2              |                               | CRV 53042   | * SEE BELOW        |                               | CRV 53050  | * SEE BELOW        |                               |
| FILTER-UNIT FOR 115/230 VOLT DC EQUIPMENT. FOR EITHER BULKHEAD OR DECK MOUNTING. 18-1/2" HIGH - 13-1/2" WIDE - 9-3/16" DEEP EXCLUDING LUGS.                                |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 650 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION, 200 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.    |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 8250 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               |
| 5/15/36  |                    |                               | * (UC) CRV-23115.   |                    |                               | * (UC) CRV-23115.  |                    |                               |
| NOV. 41  |                    |                               | 10/8/37   | XT-2721-A          | KX-284017 REV 2               | 10/8/37  | XT-2721-I          | KX-284017 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CAY 53036-A  | TBL-3              |                               | CRV 53043   | * SEE BELOW        |                               | CRV 53051  | * SEE BELOW        |                               |
| FILTER UNIT 115 VOLT/230 VOLT DC. SIMILAR TO -53036.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 950 CYCLES. MINIMUM BAND WIDTH AT 6 DB ATTENUATION, 200 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 10,000 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS. |                    |                               |
| 3/4/38   |                    | T-7604952                     | * (UC) CRV-23115  |                    |                               | * (UC) CRV-23115.  |                    |                               |
| NOV. 41  |                    | SUB. 4                        | 10/8/37   | XT-2721-B          | KX-284017 REV 2               | 10/8/37  | XT-2721-J          | KX-284017 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CAY 53037  | TBL-2              |                               | CRV 53044   | * SEE BELOW        |                               | CRV 53052  | * SEE BELOW        |                               |
| FILTER-UNIT FOR 440 VOLT-60 CYCLE-3 PHASE EQUIPMENT. (SAME AS CAY-53036 EXCEPT VOLTAGE).   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 1330 CYCLES. MINIMUM BAND WIDTH AT 6 DB ATTENUATION 200 CYCLES. CONSISTS OF 3 CHOKES AND 3 CAPACITORS. |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 650 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 200 CYCLES. CONSISTS OF 9 CHOKES & 9 CAPACITORS.    |                    |                               |
| 5/15/36  |                    |                               | * (UC) CRV-23115.   |                    |                               | * (UD) CRV-23113.  |                    |                               |
| NOV. 41  |                    |                               | 10/8/37   | XT-2721-C          | KX-284017 REV 2               | 10/8/37  | XT-2722-A          | KX-284018 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CAY 53037-A  | TBL-3              |                               | CRV 53045   | * SEE BELOW        |                               | CRV 53053  | * SEE BELOW        |                               |
| FILTER UNIT 220/440 V, 3 PHASE 60 CYCLE. SIMILAR TO -53037.  |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 2040 CYCLES. MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 5650 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES; CONSISTS OF 9 CHOKES AND 9 CAPACITORS. |                    |                               |
| 3/4/38   |                    | T-7604952                     | * (UC) CRV-23115.   |                    |                               | * (UD) CRV-23113.  |                    |                               |
| NOV. 41  |                    | SUB. 4                        | 10/8/37   | XT-2721-D          | KX-284017 REV 2               | 10/8/37  | XT-2722-C          | KX-284018 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CBM 53038  | NM-4               | 55RE53F1013A                  | CRV 53046   | * SEE BELOW        |                               | CRV 53054  | * SEE BELOW        |                               |
| FILTER-JUNCTION BOX FOR COUPLING CBM-73043 DRIVER TO CBM-78029A PROJECTOR.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 3140 CYCLES. MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 6750 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES; CONSISTS OF 9 CHOKES AND 9 CAPACITORS. |                    |                               |
| 5/20/36  | 576G               | 576G                          | * (UC) CRV-23115.   |                    |                               | * (UD) CRV-23113.  |                    |                               |
| NOV. 41  |                    |                               | 10/8/37   | XT-2721-E          | KX-284017 REV 2               | 10/8/37  | XT-2722-H          | KX-284018 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CBM 53039  | QC-4               | 55RE53F1012A                  | CRV 53047   | * SEE BELOW        |                               | CRV 53055  | * SEE BELOW        |                               |
| FILTER-JUNCTION BOX FOR COUPLING AC & DC CIRCUITS TO A HIGH IMPEDANCE(750 OHMS) 24 KC PROJECTOR WITH CAPACITORS AND REACTORS TO ISOLATE CIRCUITS AND CORRECT POWER FACTOR. |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 4460 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.    |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 8250 CYCLES MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES; CONSISTS OF 9 CHOKES AND 9 CAPACITORS. |                    |                               |
| 5/20/36  | 572-G              |                               | * (UC) CRV-23115.   |                    |                               | * (UD) CRV-23113.  |                    |                               |
| NOV. 41  |                    |                               | 10/8/37   | XT-2721-F          | KX-284017 REV 2               | 10/8/37  | XT-2722-I          | KX-284018 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |
| CBM 53040  | NM-4a              | 55RE53F1014A                  | CRV 53048   | * SEE BELOW        |                               | CRV 53056  | * SEE BELOW        |                               |
| FILTER UNIT FOR MOTOR GENERATOR DC TO POLARIZING CIRCUIT FOR USS RATHBURNE ONLY.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 5650 CYCLES. MINIMUM BAND WIDTH AT 6 DB ATTENUATION 800 CYCLES. CONSISTS OF 3 CHOKES & 3 CAPACITORS.   |                    |                               | FILTER UNIT BAND PASS - PEAK FREQUENCY 10,000 CYCLES MINIMUM BAND WIDTH AT 6 DB 800 CYCLES CONSISTS OF 9 CHOKES AND 9 CAPACITORS.            |                    |                               |
| 12/28/36   | 705D               |                               | * (UC) CRV-23115.   |                    |                               | * (UD) CRV-23113   |                    |                               |
| NOV. 41  |                    |                               | 10/8/37   | XT-2721-G          | KX-284017 REV 2               | 10/8/37  | XT-2722-J          | KX-284018 REV 2               |
|  |                    |                               | NOV. 41   |                    |                               | NOV. 41  |                    |                               |

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3.53-4

Class 53—Filter Units

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| CBM 53057  | NH-9               | 55RE53J1016 A                 | CBM 53064  | * SEE BELOW        | 55RE53J1019A                  |  |                    |                               |
| FILTER JUNCTION BOX FOR COUPLING-52075 DRIVER TO -780298 PROJECTOR.  |                    |                               | FILTER JUNCTION BOX SAME AS NAVY TYPE -53029D EXCEPT FOR VALUES OF CAPACITORS AND INDUCTORS TO CORRECT POWER FACTOR AT 20 KC.  |                    |                               | RESISTANCE BETWEEN TERMINALS 53070   |                    |                               |
|  |                    |                               |  |                    |                               | 1 AND 3 IS 2140 OHMS, BETWEEN 2 AND 3 IS 1560 OHMS, BETWEEN 1 AND 2 IS 500 OHMS.   |                    |                               |
| 10/28/37   | 576H               |                               | * QCL-1 & QCL-2.   |                    |                               |  |                    |                               |
| NOV. 41  |                    |                               | 1/19/40  | 572R               |                               |  |                    |                               |
|  |                    |                               | NOV. 41  |                    |                               |  |                    |                               |
| CBM 53057-A  | * SEE BELOW        | 55RE53J1017A                  | CBM 53064-A  | QCT                | 55RE53J1027A                  | CKT 53071  | ZA                 |                               |
| FILTER JUNCTION BOX FOR COUPLING AC & DC CIRCUITS TO A LOW IMPEDANCE (100 OHMS) 18 KC PROJECTOR; WITH CAPACITORS & REACTORS TO ISOLATE CIRCUITS AND CORRECT POWER FACTOR.  |                    |                               | FILTER JUNCTION BOX: FREQUENCY: 20 KC. IDENTICAL TO CBM-53064 EXCEPT THAT CASE AND COVER ARE OF BRONZE COMPOSITION. SAME AS CBM-53120 EXCEPT FOR FREQUENCY.  |                    |                               | 150 CYCLE FILTER   |                    |                               |
| Ø CBM SKETCH SK-3778A & 6887 ALT 0.  |                    |                               |  |                    |                               | INPUT IMPEDANCE 10,000 OHMS. OUTPUT IMPEDANCE, 100,000 OHMS. AT LEAST 20 DB DOWN AT 105 AND 217 CYCLES. 25 DB DOWN AT 90 AND 247 CYCLES. RESPONSE AT ANY FREQ. BELOW 90 OR ABOVE 247 CYCLES IS AT LEAST 20 DB DOWN FROM 150 CYCLE VALUE. |                    |                               |
| * NH-10 TO NH-16 INC.  |                    |                               | 10/8/42  | CBM:572V           | CBM:60175                     | 11/18/40   | SKETCH 10/24/40    |                               |
| 8/9/38   | 576J               | Ø SEE ABOVE                   | MAR. 44  |                    | ALT 1                         | NOV. 41  |                    |                               |
| NOV. 41  |                    |                               |  |                    |                               |  |                    |                               |
| CG-53058   | EF (TBO)           |                               | CRV 53065  | QCJ-2&QCL          | 10RE53J1025A                  | RESISTANCE BETWEEN TERMINALS 53071   |                    |                               |
| FILTER UNIT FOR USE WITH CBF -21263 GENERATOR.   |                    |                               | FILTER JUNCTION BOX: FOR COUPLING AC AND DC CIRCUITS TO A LOW IMPEDANCE (100 OHMS) AT 20 OR 24 KC PROJECTOR WITH CAPACITORS AND REACTORS TO ISOLATE CIRCUIT & CORRECT POWER FACTOR   |                    |                               | SAME AS 53070. MATCHED AND USED WITH 53070.  |                    |                               |
| 10/28/37   |                    |                               | 2/1/40   | M1-8941            | CRV:W-303055                  |  |                    |                               |
| NOV. 41  |                    |                               | JUNE 42  |                    | SUB 12                        |  |                    |                               |
| CRR 53059  | CG                 |                               | CRV 53066  | DZ                 |                               | CBM 53072  | * SEE BELOW        | 55RE53J1021                   |
| DYNAMOTOR FILTER UNIT FILTER UNIT AND MECHANICAL SUPPORT FOR TYPE -21282 DYNAMOTOR.  |                    |                               | FILTER PACK BAND PASS FILTER PEAKED FOR 1020 CYCLES.   |                    |                               | POLARIZING CURRENT FILTER UNIT CONTAINS TWO CHOKES AND TWO CAPACITORS.   |                    |                               |
| 1/12/38  | B6359              |                               | 4/3/40   | M-420774           | REV 3                         | * QCH-1, QCM-2.  |                    |                               |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               | 12/5/40  | 827                | 60,031 ALT 0                  |
|  |                    |                               |  |                    |                               | NOV. 41  |                    | 827                           |
| CBM 53060  | QCH                | 55RE53J1018 A                 | CRV 53067  | QCJ-2 & QCL        |                               | CRV 53073  | TBL-4              |                               |
| FILTER JUNCTION BOX  |                    |                               | BAND PASS FILTER PEAKED AT 800 CYCLES; WITH 5 VOLT INPUT, OUTPUT TO BE NOT LESS THAN 1.85 VOLTS; AT 600 OR 1000 CYCLES OUTPUT TO BE MORE THAN 73% OF PEAK; AT 510 OR 1150 CYCLES OUTPUT TO BE LESS THAN 30% OF PEAK.                                 |                    |                               | FILTER UNIT EQUIPMENT POWER SUPPLY: 115/250/250 VOLTS DC.  |                    |                               |
| 8/9/38   | 770                | SK-4056                       | 7/9/40   | XT3452             | K-901002                      | REV 3  |                    |                               |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               |  | 12/5/40            | CRV:TT-620248                 |
|  |                    |                               |  |                    |                               |  | NOV. 43            | SUB 2                         |
| CDE 53061  | CXX                |                               | CRV 53068  | QCJ-2 & QCL        |                               | CRV 53074  | TBL-4              |                               |
| REED FILTER ELECTRO MECHANICAL BAND PASS FILTER, MECHANICALLY RESONANT REED TO DETERMINE BAND PASS. OXIDE RECTIFIER TO PROVIDE DC OUTPUT - PASS FREQUENCY 60 CYCLES. Ø WASHINGTON INSTITUTE OF TECHNOLOGY SKETCH 852.                        |                    |                               | FILTER PEAKED AT 800 CYCLES; OUTPUT AT PEAK TO BE NOT LESS THAN 37% NOR MORE THAN 70%; AT 640 & 960 CYCLES OUTPUT SHALL NOT EXCEED 30% OF PEAK VALUE.  |                    |                               | FILTER UNIT. EQUIPMENT POWER SUPPLY: 220 OR 440 VOLTS 3 PHASE, 60 CYCLES.  |                    |                               |
| 10/4/38  | Ø SEE ABOVE        |                               | 7/9/40   | XT 3451            | K-901003                      | REV 3  |                    |                               |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               |  | 12/5/40            | CRV:TT-620248                 |
|  |                    |                               |  |                    |                               |  | NOV. 43            | SUB 2                         |
| CBM 53062  | QCK                | 55RE53J1017A                  | CAT 53069  | ZA                 |                               | CBM 53075  | WAC                | 55 RE53J1029A                 |
| FILTER JUNCTION BOX SIMILAR TO CBM-53029D EXCEPT FOR VALUE OF P.F. CORRECTING CAPACITOR FOR 18 KCS.  |                    |                               | 60 CYCLE FILTER AS APPLIED TO CIRCUIT OF WASHINGTON INSTITUTE OF TECHNOLOGY PLAN 1036 REV 1; INPUT IMPEDANCE 1000 OHMS AND OUTPUT IMPEDANCE 10,000 OHMS. INPUT DC RESISTANCE 85 OHMS. OUTPUT DC RESISTANCE 110 OHMS.                                 |                    |                               | FILTER JUNCTION BOX FOR CONNECTING AC & DC CIRCUITS INTO A LOW IMPEDANCE (100 OHMS) 20 KC PROJECTOR WITH CAPACITORS AND REACTORS TO ISOLATE CIRCUITS AND CORRECT POWER FACTOR. SIMILAR TO TYPE -53029C EXCEPT POWER                      |                    |                               |
| 11/1/38  | 572K               | SKETCH SK-3778B               | 8/5/40   | SPEC 28522         | S-47762 &                     | 12/12/40   | 572S               | 6920 ALT 0 FOR                |
| NOV. 41  |                    | ALT 0                         | NOV. 41  |                    | S-47763                       | MAR. 44  |                    | DIMENSIONS                    |
|  |                    |                               |  |                    | SUB 0                         |  |                    |                               |
| CBM 53063  | QCH-2              |                               | CKT 53070  | ZA                 |                               | CBM 53075  |                    |                               |
| FILTER JUNCTION BOX FOR CONNECTING AC & DC CIRCUITS TO A HIGH IMPEDANCE (750 OHMS) 24 KC PROJECTOR WITH CAPACITORS AND REACTORS TO ISOLATE CIRCUITS, AND CORRECT POWER FACTOR. SIMILAR TO -53029C EXCEPT VALUES SELECTED FOR HIGH IMPEDANCE. |                    |                               | 90 CYCLE FILTER INPUT IMPEDANCE 10,000 OHMS. OUTPUT IMPEDANCE 100,000 OHMS AT LEAST 20 DB DOWN AT 63 AND 130 CYCLES. 25 DB DOWN AT 54 AND 148 CYCLES. RESPONSE AT ANY FREQ. BELOW 54 OR ABOVE 148 CYCLES IS AT LEAST 20 DB DOWN FROM 90 CYCLE VALUE. |                    |                               | FACTOR CORRECTION IS FOR 20KC.   |                    |                               |
| 1/2/40   | 572Q               | 6928 ALT 0                    | 11/18/40   | SKETCH 10/24/40    |                               |  |                    |                               |
| NOV. 41  |                    |                               | NOV. 41  |                    |                               |  |                    |                               |

| DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | ASSIGNED ISSUED | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | ASSIGNED ISSUED | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER |
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3.53-6

Class 53—Filter Units

| NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION |
|---|--------------------|-------------------------------|---|--------------------|-------------------------------|--|--------------------|-------------------------------|
| CW-53093  | MARK 10            |                               | CW 53099  | *SEE BELOW         |                               | CW 53107   | *SEE BELOW         |                               |
| MODULATION NETWORK:<br>INCLUDES A LOW CAPACITY FILAMENT TRANSFORMER   |                    |                               | SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PADS FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 10, 11 AND 12. FREQUENCIES 1955, 2125, 2295 CPS USED IN SIA, SIB.               |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 22, 23, AND 24. FREQUENCIES 2975, 3825, 4675 CPS. (USED IN R3). |                    |                               |
| 4/14/42   | D162731            |                               | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | *UHF REMOTE CONTROL CIRCUITS.  |                    |                               |
| JUNE 42   |                    |                               | 5/29/42 X-63603C LIST 5   | ES-800208          |                               | 5/29/42 X-63603K LIST 1  | ES-712761          |                               |
|   |                    |                               | AUG. 42   | ISSUE 4            |                               | AUG. 43  | FIGURE 4           |                               |
| CMA 53094   | TCX                |                               | CW 53100  | *SEE BELOW         |                               | CNA 53108  | RBL.-1.-2          |                               |
| FILTER UNIT:<br>PI FILTER ARRANGEMENT CONSISTING OF 1 IRON CORE REACTOR OF AN AVERAGE INDUCTANCE OF 56 MICROHENRIES AND 2 SPECIAL PAPER CAPACITORS WITH CAPACITANCES OF 4 MFD. AND 1.3 MFD. MOUNTED PERMANENTLY TO A COMMON MOUNTING BASE & COMPLETELY EN-5/1/42 CMA:NFI-3 CC:M-7467023 |                    |                               | SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 1, 3, AND 5. FREQUENCIES 425, 765, 1105 CPS. (USED IN S5).                     |                    |                               | FILTER, LOW PASS:<br>THREE SECTION TYPE. CUT-OFF AT 800 OR 3500 CYCLES BY MEANS OF EXTERNAL 4 PWT SWITCH. INPUT IMPEDANCE 50,000 OHMS. OUTPUT IMPEDANCE 50,000 OHMS.             |                    |                               |
| JUNE 42   |                    | REV 0                         | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | 7/30/42  | SA-31-F            | D-780                         |
|   |                    |                               | 5/29/42 X-63603C LIST 5   | ES-800208          |                               | MAR. 43  |                    | 11/11/42                      |
|   |                    |                               | AUG. 42   | ISSUE 4.           |                               |  |                    |                               |
| CLOSED IN A METAL PROTECTING COVER. USED TO ATTENUATE NOISE VOLTAGES HAVING FREQUENCIES OF 200 TO 20,000 KC WHICH ARE SUPERIMPOSED ON DC CIRCUITS   | CMA53094           |                               | CW 53101  | *SEE BELOW         |                               | CNA 53109  | RBL.-1.-2          |                               |
|   |                    |                               | SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 22, 23 AND 24. FREQUENCIES 2975, 3825, 4675 CPS (USED IN S3).                  |                    |                               | FILTER, HIGH PASS:<br>THREE SECTION TYPE. CUT-OFF AT 800 CY. INPUT IMPEDANCE 50,000 OHMS. OUTPUT IMPEDANCE 50,000 OHMS.  |                    |                               |
|   |                    |                               | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | 7/30/42  | SA-31-1            | D-779                         |
|   |                    |                               | 5/29/42 X-63603D LIST 1   | ES-800209          |                               | MAR. 43  |                    | 11/11/42                      |
|   |                    |                               | AUG. 42   | ISSUE 5            |                               |  |                    |                               |
| CAT 53095   | YA-1               |                               | CW 53102  | *SEE BELOW         |                               | CNA 53110  | RAO-2              |                               |
| EQUALIZER:<br>INPUT AND OUTPUT IMPEDANCES, 600 OHMS. MAXIMUM RATED INPUT 115 V/60CPS FOR 1 SECOND.  |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 1, 2, AND 3. FREQUENCIES 425, 595, 765 CPS. (USED IN RIA, RIB).              |                    |                               | CRYSTAL FILTER: 455 KC<br>VARIABLE SELECTIVITY FILTER.   |                    |                               |
| 5/8/42  | 31534              | CAT:S-57569                   | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | 8/3/42   | SA-81-A            | D-846 7/6/42                  |
| OCT. 42   |                    |                               | 5/29/42 X-63603J LIST 1   | ES-800214          |                               | AUG. 42  |                    |                               |
|   |                    |                               | AUG. 42   | ISSUE 3            |                               |  |                    |                               |
| CTH 53095-A   | YA-2               |                               | CW 53103  | *SEE BELOW         |                               | CW-53111   | *SEE BELOW         |                               |
| EQUALIZER<br>INPUT AND OUTPUT IMPEDANCE: 600 OHMS<br>MAXIMUM RATED INPUT IS 115 VOLTS, 60 CYCLES PER SECOND, FOR ONE SECOND DURATION. SAME AS BASIC NUMBER EXCEPT MADE BY DIFFERENT MANUFACTURER.   |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 4, 5 AND 6. FREQUENCIES 935, 1105, 1275 CPS. (USED IN RIA, RIB).     |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COIL, PAD, FILTER AND JACKS FOR A SINGLE NB CHANNEL NUMBER 1<br>1 FREQ: 425 CPS. (USED IN R4(425).)                       |                    |                               |
| 11/5/43   |                    | CFT:RA-797-1A                 | *UHF REMOTE CONTROL CIRCUITS  |                    |                               | *UHF REMOTE CONTROL CIRCUITS   |                    |                               |
| NOV. 43   |                    |                               | 5/29/42 CWX-63603J  | ES-800214          |                               | 8/21/42 X-63603S   | ES:80020           |                               |
|   |                    |                               | AUG. 42 LIST 2  | ISSUE 3            |                               | OCT.42 LIST 1  | ISSUE 1            |                               |
| CW 53096  | *SEE BELOW         |                               | CW-53104  | *SEE BELOW         |                               | CW-53112   | *SEE BELOW         |                               |
| SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 1, 2 AND 3. FREQUENCIES 425, 595, 765 CPS. (USED IN SIA, SIB).   |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 7, 8 AND 9. FREQUENCIES 1445, 1615, 1785 CPS. (USED IN RIA, RIB).    |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COIL, PAD, FILTER AND JACKS FOR A SINGLE NB CHANNEL NUMBERED 3. FREQ. 765 CPS. (USED IN R4 (765))                         |                    |                               |
|   |                    |                               | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | *UHF REMOTE CONTROL CIRCUITS   |                    |                               |
|   |                    |                               | 5/29/42 X-63603C LIST 1   | ES:712760          |                               | 8/21/42 X-63603S   | ES:800224          |                               |
|   |                    |                               | MAR. 43   | FIG 3              |                               | OCT.42 LIST 2  | ISSUE 1            |                               |
| CW 53097  | *SEE BELOW         |                               | CW 53105  | *SEE BELOW         |                               | CW-53113   | *SEE BELOW         |                               |
| SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 4, 5 AND 6. FREQUENCIES 935, 1105, 1275 CPS. (USED IN SIA, SIB).   |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 10, 11 AND 12. FREQUENCIES 1955, 2125, 2295 CPS. (USED IN RIA, RIB). |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COIL, PAD, FILTER AND JACKS FOR A SINGLE NB CHANNEL NUMBERED 5. FREQ: 1105 CPS. (USED IN R4 (1105).)                      |                    |                               |
|   |                    |                               | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | *UHF REMOTE CONTROL CIRCUITS   |                    |                               |
|   |                    |                               | 5/29/42 X-63603C LIST 2   | ES-800208          |                               | 8/21/42 CWX-63603S   | CW:ES-800220       |                               |
|   |                    |                               | AUG. 42   | ISSUE 4            |                               | OCT. 42 LIST 3   | ISSUE 1            |                               |
| CW 53098  | *SEE BELOW         |                               | CW 53106  | *SEE BELOW         |                               | CW-53114   | *SEE BELOW         |                               |
| SENDING TELEGRAPH CHANNEL<br>TERMINAL PANEL: COILS, PAD, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 7, 8 AND 9. FREQUENCIES 1445, 1615, 1785 CPS. USED IN SIA, SIB.   |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 3 NB CHANNELS NUMBERED 1, 3 AND 5. FREQUENCIES 425, 765, 1105 CPS. (USED IN R5).            |                    |                               | RECEIVING TELEGRAPH CHANNEL<br>CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 2 NB CHANNELS NUMBERED 1 AND 3. FREQUENCIES: 425 AND 765 CPS. (USED IN R5(425,765).).  |                    |                               |
|   |                    |                               | *UHF REMOTE CONTROL CIRCUITS.   |                    |                               | *UHF REMOTE CONTROL CIRCUITS   |                    |                               |
|   |                    |                               | 5/29/42 X-63603C LIST 3   | ES-800208          |                               | 8/21/42 CWX-63603J   | CW:ES-800214       |                               |
|   |                    |                               | AUG. 42   | ISSUE 4            |                               | OCT.42 LIST 6  | ISSUE 4            |                               |



| NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION  | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION |
|---|--------------------|-------------------------------|--|--------------------|-------------------------------|---|--------------------|-------------------------------|
| CW 53115  | * SEE BELOW        |                               | RN: 53122  | SMALL BOATS        | RN 53AA 106                   | RN- 53126   | SMALL BOATS        |                               |
| RECEIVING TELEGRAPH CHANNEL TERMINAL PANEL: COILS, PADS FILTERS AND JACKS FOR 2 NB CHANNELS NUMBERED 1 AND 5. FREQUENCIES: 425 AND 110 CPS. (USED IN RS (425, 1105)).   |                    |                               | RF FILTER UNIT:<br>CONTAINS 3 "L" SECTIONS. L1=L2= 25MH.<br>#12 WIRE, 60 TURNS, 6.5 AMP. MAX OD 1 1/4" MAX LENGTH 1 1/4" (EQUIVALENT TO MALLORY #583 RF CHOKE) C1=C2=0.5 MFD 200 VDCW. PAPER (CD:1C-2P5C).L3 IN FIELD CIRCUIT 32MH, #16E WIRE, 72 TURNS, 2.5 FEB. 45           |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME BUT COUPLED BY 0.5 UF, 200 V DC MKC CAPACITOR ON THE OUTPUT SIDE. ALSO INCLUDES STRAIGHT THROUGH CONNECTION FOR GENERATOR FIELD CIRCUIT. L1=L2=25 UH, #12E WIRE, 60 TURNS, 6.5 AMP. MAX. OD 10/23/43<br>JUNE 43 |                    |                               |
| * UHF REMOTE CONTROL CIRCUITS<br>8/21/42 X-63603J CW:ES-800214<br>OCT. 42 LIST 7 ISSUE 4  |                    |                               | AMP. MAX<br>RN: 53122<br>OD 7/8". MAX LENGTH 1 1/8" (EQUIVALENT TO MALLORY #581 RF CHOKE).C3=0.01 TO 0.02 UF, 200 VDCW. PAPER (CD TYPE: VUL-S2) FOR USE WITH LEECE NEVILLE TYPE 1376R VOLTAGE REGULATOR. SIMILAR TO RN-53123 EXCEPT FOR POSITION OF SECTIONS AND TERMINALS.    |                    |                               | RN- 53126   | SMALL BOATS        |                               |
| CW53116 * SEE BELOW<br>RECEIVING TELEGRAPH CHANNEL TERMINAL PANEL: COILS, PADS, FILTERS AND JACKS FOR 2 NB CHANNELS NUMBERED 3 AND 5. FREQUENCIES: 765 & 1105 CPS. (USED IN RS (765, 1105)).  |                    |                               | RN: 53123  | SMALL BOATS        | RN 53AA 105                   | RA- 53127   | X-ARD              |                               |
| * UHF REMOTE CONTROL CIRCUITS.<br>8/21/42 X-63603J CW:ES-800214<br>OCT.42 LIST 8 ISSUE 4  |                    |                               | RF FILTER UNIT:<br>CONTAINS 3 "L" SECTIONS. L3=25 TO 30UH, #16 SCE, 72 TURNS, MAX OD 7/8" MAX LENGTH 1 1/8" (EQUIVALENT TO MALLORY #581 RF CHOKE).C3=0.01 TO 0.02 UF, 200 VDCW. PAPER. (CD TYPE: VUL-S2).L1=L2=8JH #10 SCC WIRE, 60 TURNS. C1=C2=0.5 UF, 10/23/42<br>JULY 43   |                    |                               | RF FILTER UNIT:<br>NOISE FILTER FOR 24 V DC PLANE SUPPLY.<br><br>11/11/42<br>JUNE 43  |                    |                               |
| CW-53117 * SEE BELOW<br>POWER FILTER:<br>INPUT: 105 TO 125/1/50 TO 60. 4 AMPS CAPABLE OF SUPPRESSING INTERFERENCE BETWEEN 14 AND 200 KC.  |                    |                               | RN- 53123  | SMALL BOATS        | RN 53AA 105                   | COE 53128   | *SEE BELOW         |                               |
| * UHF REMOTE CONTROL CIRCUITS<br>8/22/42 D-163183 ESO-639952<br>MAR.443   |                    |                               | USE WITH GRAY MARINE DIESEL ENGINE MODEL 64HN. SIMILAR TO RN-53122 EXCEPT FOR POSITION OF SECTIONS AND TERMINALS. L1 AND L2 RATED 20.7 AMP. MAX DIMENSIONS OF L1 AND L2: 1 7/16" DIA X 1X" LONG.   |                    |                               | ANTENNA TUNING UNIT:<br>INCLUDES ANTENNA CURRENT METER AND PARALLEL RESONANT CIRCUIT CONSISTING OF A COIL AND VARIABLE CAPACITOR.<br><br>* FOR USE WITH MODEL YB<br>11/11/42<br>JUNE 43   |                    |                               |
| CHA 53118 RBH-1<br>CRYSTAL FILTER:<br>FREQUENCY 1560 KC. VARIABLE SELECTIVITY FILTER.<br><br>10/5/42 CNA:SA-81-0 CHA:0-979<br>JUNE 43   |                    |                               | RN- 53125  | SMALL BOATS        | RN 53AA 107                   | CW- 53129   | SL                 |                               |
| CFT 53119 DAQ<br>FILTER ASSEMBLY:<br>AC LINE FILTER ASSEMBLY, CONSISTING OF FUSES, BY-PASS CAPACITORS AND 4 TYPE -30966 FILTER COILS. DESIGNED TO ATTENUATE ALL FREQUENCIES BETWEEN 1.5 AND 30 MC. FUSES ARE RATED AT 5 AMP, 250 V. FILTER USED ON 115 V SINGLE PHASE 60 CY 10/8/42 CFT:F-36923-1A<br>JUNE 43 |                    |                               | 200 VDCW. PAPER (CD TYPE 1C-2P5C) FOR USE WITH GRAY MARINE DIESEL ENGINE MODEL 64HN. SIMILAR TO RN-53122 EXCEPT FOR POSITION OF SECTIONS AND TERMINALS. L1 AND L2 RATED 20.7 AMP. MAX DIMENSIONS OF L1 AND L2: 1 7/16" DIA X 1X" LONG.<br><br>RN: 53124                        | SMALL BOATS        | RN 53AA 107                   | FILTER:<br>50 OHM NETWORK WHICH WHEN CHARGED TO 8000 V AND THEN DISCHARGED THROUGH A 50 OHM RESISTANCE PRODUCES A 400C V RECTANGULAR WAVE HAVING A DURATION OF 1X MICROSECONDS.<br><br>11/17/42 CW:D-163239 CW:ESO-639276<br>JUNE 43 ISSUE 1                                  |                    |                               |
| LINE.   |                    |                               | 1376R VOLTAGE REGULATOR. SAME AS RN-53125 EXCEPT FOR OMISSION OF COUPLING CAPACITOR; SIMILAR TO RN-53126 EXCEPT DOES NOT INCLUDE COUPLING CAPACITOR AND FIELD STRAIGHT THROUGH CONNECTION.<br><br>RN- 53125  | SMALL BOATS        | RN 53AA 107                   | CMD 53130   | ARD-1              |                               |
| CBM 53120 QCS 55RES3J1028A<br>FILTER-JUNCTION BOX:<br>FREQ: 24KC. SAME AS CBM-53064 EXCEPT FOR FREQUENCY. AND CASE AND COVER ARE OF BRONZE. SAME AS CBM-53064-A EXCEPT FOR FREQUENCY.<br><br>10/8/42 CBM:572W CBM:60175<br>MAR. 44 ALT 0  |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME AND COUPLED BY 0.5UF, 200VDCW. (AEROVOX #484) CAPACITOR ON THE OUTPUT SIDE. L1=L2=25UH, #12E WIRE, 60 TURNS, 6.5 AMP, MAX O.D. 1X". MAX LENGTH 1X" (EQUIVALENT TO MALLORY #583 RF CHOKE).<br>10/23/42<br>JUNE 43 |                    |                               | A FULL PI SECTION FILTER WITH ATTENUATION OF 60DB AT 45KC RISING TO 100 DB AT 200KC AND FALLING 10 70 DB AT 2500KC. THIS UNIT WILL PASS 3.75 AMP DC AND IS INSULATED FOR OPERATION AT 24 V. PRODUCTION UNIT OF RA-53127.<br>12/2/42 CMD:FA6-WJ4 CMD:106<br>JUNE 43 REV 0      |                    |                               |
| CBM 53121 SF<br>FILTER UNIT:<br>INPUT: 115 V PULSATING DC AT 0 TO 0.6 OR 0 TO -0.6 AMP. OUTPUT: 115 V PURE DC AT 0 TO +0.6 OR 0 TO -0.6 AMP. OPERATES FROM OUTPUT OF TYPE -20.75 CONTROL RECTIFIER AND PROVIDES DC FOR ANTENNA TRAINING.<br>10/14/42 CBM:923 CBM:SK-5417<br>JUNE 43 ALT. 0                    |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME AND COUPLED BY 0.5UF, 200VDCW. (AEROVOX #484) CAPACITOR ON THE OUTPUT SIDE. L1=L2=25UH, #12E WIRE, 60 TURNS, 6.5 AMP, MAX O.D. 1X". MAX LENGTH 1X" (EQUIVALENT TO MALLORY #583 RF CHOKE).<br>10/23/42<br>JUNE 43 |                    |                               | CBB 53131   | NK19               |                               |
|   |                    |                               | C1=C2=0.5UF, 200 VDCW, PAPER (CD TYPE: 1C-2P5C). SAME AS RN-53125 EXCEPT INCLUDES THE COUPLING CAPACITOR. SIMILAR TO RN-53126 EXCEPT DOES NOT INCLUDE FIELD STRAIGHT THROUGH CONNECTION.<br><br>RN- 53125  |                    |                               | 3/5/43 CW:D-151439 CW:80-13010<br>SEPT 43 ISSUE 1   |                    |                               |
|   |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME BUT COUPLED BY 0.5 UF, 200 V DC MKC CAPACITOR ON THE OUTPUT SIDE. ALSO INCLUDES STRAIGHT THROUGH CONNECTION FOR GENERATOR FIELD CIRCUIT. L1=L2=25 UH, #12E WIRE, 60 TURNS, 6.5 AMP. MAX. OD 10/23/43<br>JUNE 43  |                    |                               | CRV 53132   | QCO-2              |                               |
|   |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME BUT COUPLED BY 0.5 UF, 200 V DC MKC CAPACITOR ON THE OUTPUT SIDE. ALSO INCLUDES STRAIGHT THROUGH CONNECTION FOR GENERATOR FIELD CIRCUIT. L1=L2=25 UH, #12E WIRE, 60 TURNS, 6.5 AMP. MAX. OD 10/23/43<br>JUNE 43  |                    |                               | FILTER JUNCTION BOX:<br>FREQUENCY 25KC. OVERALL DIMENSIONS 10"X10"X4" DEEP. WEIGHT APPROX 25 POUNDS<br><br>3/18/43<br>JUNE 43   |                    |                               |
|   |                    |                               | RF FILTER UNIT:<br>CONTAINS 2 "L" SECTIONS WHICH ARE THE SAME BUT COUPLED BY 0.5 UF, 200 V DC MKC CAPACITOR ON THE OUTPUT SIDE. ALSO INCLUDES STRAIGHT THROUGH CONNECTION FOR GENERATOR FIELD CIRCUIT. L1=L2=25 UH, #12E WIRE, 60 TURNS, 6.5 AMP. MAX. OD 10/23/43<br>JUNE 43  |                    |                               | CRV:W-306008<br>P17   |                    |                               |

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NAVSHIPS 900,109

| NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION |
|---|--------------------|-------------------------------|---|--------------------|-------------------------------|---|--------------------|-------------------------------|
| CW: 53133   | MARK 12            |                               | - 53139   | QBF                |                               | - 53144   | QBF                |                               |
| ARTIFICIAL LINE:<br>INCLUDES ONE REACTOR AND 3 CAPACITORS IN OIL-FILLED HERMETICALLY SEALED CAN. WORKING VOLTAGE IS 12,000 V DC AND TEST VOLTAGE IS 25,000 V DC. SURGE IMPEDANCE IS 52.5 OHMS.  |                    |                               | NETWORK:<br>FREQ: 150 TO 162 KC. MAXIMUM COIL RATINGS ARE 1.0MA DC AND 20 TO 30VAC PEAK. WITH PARALLEL RESONANCE FREQ BETWEEN 159 AND 169KC, THE EFFECTIVE RESISTANCE IS 100,000 OHMS MINIMUM. DC RESISTANCE IS 0.9/1.8/11.4 BETWEEN TERMINALS 1-3/1-4/6/3/43 |                    |                               | NET. ORK<br>FREQ RANGE: 160 TO 180 KC. CONSISTS OF A COIL AND EITHER TWO OR THREE CAPACITORS CONNECTED IN PARALLEL. THIRD CAPACITOR SOMETIMES REQUIRED TO BRING CHARACTERISTIC OF NETWORK TO RATED VALUE.   |                    |                               |
| 4/22/43   | CW:D-164451        | CW:ESR-645309                 | 6/3/43  | CW:D-163149        | CW:ESA-645289                 | 8/20/43   | CW:D-163246        | CW:ESA-645291                 |
| JUNE 43   |                    | ISSUE 1                       | MAY 45  | CAQB-SW3363        | ISSUE 1                       | MAY 45  | CAQB-SW3362        | ISSUE 1                       |
| CW: 53134   | MARK 12            |                               | - 53139   |                    |                               | CW- 53145   | QBF                |                               |
| ARTIFICIAL LINE:<br>INCLUDES 10 REACTORS AND 98 CAPACITORS IN OIL-FILLED HERMETICALLY SEALED CAN. WORKING VOLTAGE IS 350 V DC. INSERTION LOSS IS 5.0 DB TO A PULSE. IMPEDANCE IS 650 OHMS.  |                    |                               | 1-2. INCLUDES TWO CAPACITORS.   |                    |                               | NETWORK<br>CONSISTS OF TWO RETARDATION COILS WITH A CAPACITOR WIRED IN PARALLEL WITH EACH WINDING. BAND FREQ IS 150 KC. WIDTH OF BAND PASS IS 3 KC. IMPEDANCE AT 150 KC IS 25,000 OHMS.   |                    |                               |
| 4/22/43   | CW:D-163169        | CW:ES-639283                  |   |                    |                               | 8/21/43   | D-164300           | CW:ESA-654211                 |
| JUNE 43   |                    | ISSUE 1                       |   |                    |                               | NOV. 43   |                    | ISSUE 1                       |
| CW: 53135   | MARK 12            |                               | CW- 53140   | NXS-149            |                               | CLQ- 53146  | QAO                |                               |
| ARTIFICIAL LINE:<br>INCLUDES A TWO-SECTION DUAL LATERAL REACTOR AND ONE CAPACITOR IN A HERMETICALLY SEALED CAN. IMPEDANCE AT 100 KC IS 4300 OHMS.   |                    |                               | TERMINAL REPEATER PANEL:<br>TERMINAL REPEATER FOR HALF OR FULL DUPLEX TELETYPE OPERATION. FOR USE IN CONNECTION WITH COMMUNICATION CONTROL LINKS.   |                    |                               | IMPEDANCE ADAPTER<br>PLUGS IN SERIES WITH THE 50 OHM CABLE WHICH FEEDS THE FREQUENCY METER FROM THE PICKUP LOOP, AND SERVES TO RESONATE THE LOOP INDUCTANCE THUS PROVIDING A 50 OHM NON REACTIVE TERMINATION FOR THE INTERCONNECTING CABLE. INTERNALLY CONTAINS A |                    |                               |
| 5/1/43  | CW:D-163762        | CW:ES-642428                  | 6/21/43   | CW:XG3603          |                               | 8/25/43   | CRY:HI-18706       | CRY:K-38358                   |
| JUNE 43   |                    | ISSUE 1                       | SEPT 43   | LIST 1             |                               | NOV. 43   |                    | SUB 0                         |
| CDI 53136   | JP-1               |                               | CW- 53141   | NXS-149            |                               |   |                    | CLQ- 53146                    |
| LINE FILTER:<br>INPUT 110 V DC AT 0.35 AMP (MAX 0.40). USED FOR SYNTHESIZING THE DC LINE FOR SUPPLY TO NAVY TYPE CDI-50133 AUDIO AMPLIFIER. CONSISTS OF TWO 0.6 HENRY LOW FREQ CHOKE COILS AND TWO 0.5 MILLHENRY HIGH FREQUENCY CHOKE COILS. TWO DUAL |                    |                               | CABLE LOADING COIL PANEL:<br>CONTAINS UNEQUALITY RATIO REPEATING COILS FOR LOADING UNDERGROUND TELEPHONE CABLE USED BETWEEN TDD, RDC, AND THE 42A1 CARRIER TELEGRAPH EQUIPMENT OF THE COMMUNICATION CONTROL LINKS.<br>*COILS #GROUP 1 & 2                     |                    |                               | RESISTOR AND CAPACITOR.   |                    |                               |
| 5/4/42  | CDI-53136          | RQ:53F125A                    | 6/21/43   | CW:D-163381*       |                               |   |                    |                               |
| DEC. 44   |                    |                               | SEPT 43   | CW:H-242-553 #     |                               |   |                    |                               |
|   |                    |                               | CD- 53142   | DA5-1              |                               | CW- 53147   | SL-a, SL-1         |                               |
|   |                    |                               | LINE FILTER UNIT:<br>FOR REDUCING INTERFERENCE ON CFE-40216 RADIO RECEIVER. INPUT: 110 V AC OR DC, 5 AMPS.  |                    |                               | FILTER UNIT<br>IS MOUNTED ON A PHENOL FIBRE PANEL, DESIGNED TO MOUNT IN A STANDARD NAVY JUNCTION-BOX (G-S-4302-L) WHICH IS NOT INCLUDED IN THIS TYPE NUMBER. USED TO PREVENT RADIO INTERFERENCE PICKED BY STAND-BY HEATERS FROM FEEDING INTO THE                  |                    |                               |
|   |                    |                               | 6/24/43   | CD:CF-18           |                               | 8/26/43   | D-151666           | CW:80-13179                   |
|   |                    |                               | SEPT 43   |                    |                               | NOV. 43   |                    | ISSUE 1                       |
| CRY 53137   | NMC                |                               | CW- 53143   | MK-12              |                               |   |                    | CW- 53147                     |
| FILTER-JUNCTION BOX:<br>SAME AS CRY-53132 EXCEPT FOR INTERNAL CAPACITORS (DUE TO DIFFERENT FREQUENCY)   |                    |                               | NETWORK:<br>CONSISTS OF 18 MICA CAPACITORS EACH RATED 75 MHF, 500 VOLTS DC WORKING, AND ONE D-163204 COIL. IMPEDANCE IS 650 OHMS. BAND WIDTH IS 0 TO 4 KC. INSERTION LOSS IS 2 DB.  |                    |                               | POWER LINE. CONNECTED INTO HEATER SUPPLY.   |                    |                               |
| 5/7/43  | CRY:MI-3835A       | CRY:W-305383-7                | 8/6/43  | CW:D-163331        | CW:ESA-654287                 |   |                    |                               |
| SEPT 43   |                    | SUB 4                         | SEPT 43   |                    | ISSUE 1                       |   |                    |                               |
| CW- 53138   | MK12               |                               | CW- 53143-A   | MK-12              |                               | CW- 53148   | MK-12              |                               |
| NETWORK:<br>WINDING #1: TWO-SECTION DUAL LATERAL, WITH SHUNT CAPACITOR; EACH SECTION 90 TURNS 54-#44E STRANDED DN WIRE, 1.2 OHMS DC RESISTANCE; TERMINALS 1,2 (WHICH IS CENTER) AND 3. WINDING #2: CENTER TAPPED BANK WOUND, 200 TURNS CT, #36E WIRE. |                    |                               | CONSISTS OF 19 MICA CAPACITORS, 2 RATED 25 MHF AND 17 RATED 75 MHF., 500 VOLTS D.C WVG, AND A D-164856 COIL. IMPEDANCE IS 650 OHMS. BAND WIDTH IS 0-4KC. INSERTION LOSS IS 2DB. SAME EXTERNAL MECHANICAL ELECTRICAL CHARACTERISTICS                           |                    |                               | NETWORK<br>CONSISTS OF A RESISTOR AND TWO CAPACITORS POTTED IN A HERMETICALLY SEALED CAN.   |                    |                               |
| 5/27/43   | CW:D-165621        | CW:D-642449                   | 11/29/43  | D-163351           | CW:ESA-654287                 | 9/3/43  | D-164918           | CW:ES0-647598                 |
| SEPT 43   |                    | ISSUE 2                       | NOV. 43   |                    | ISSUE 3                       | NOV. 43   |                    | ISSUE 1                       |
|   |                    |                               |   |                    |                               |   |                    |                               |
|   |                    |                               | CW- 53138   |                    |                               | CRY- 53149  | QBF                |                               |
|   |                    |                               | 25 OHMS DC RESISTANCE TOTAL; TERMINALS 4,5 (WHICH IS CT) AND 6. WINDING #1, WITH TERMINAL 3 CONNECTED TO CASE; AT 410 KC, 45 MHF PARALLEL RESONANT CAPACITANCE (MAX), 9.8 MICROMHUS CONDUCTANCE (MAX) 310 MICROHENRIES INDUCTANCE (MAX).                      |                    |                               | FILTER JUNCTION BOX<br>USED TO MATCH CRY-53329 DRIVER TO CRY-78208 (22KC) CRY-78209 (22KC) CRY-78210 (24KC) AND CRY-78211 (26KC) PROJECTORS.  |                    |                               |
|   |                    |                               | AS CW-53143.  |                    |                               | 9/26/43   | MI-16728           | CRY:W-306329-12               |
|   |                    |                               |   |                    |                               | NOV. 43   |                    | REV 1                         |



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Class 53—Filter Units

| NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION   | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION                           | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION   |                    |   |                    |   |                    |              |  |                    |              |  |                    |              |   |                    |              |   |                    |                    |  |                    |                    |  |                    |              |  |                    |              |   |                    |              |   |                    |              |   |                    |                 |   |                    |   |                    |   |                    |   |                    |   |                    |   |                    |   |                    |  |                    |
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| CTD- 53171-A GEN. RADIO USE<br>RF NOISE FILTER:<br>40 VOLTS AC/DC, 15 AMPERES, 60 CYCLES.<br>150 KC TO 150 MC ATTENUATION RANGE.<br>SAME AS BASIC NUMBER EXCEPT HOLES IN<br>STUD ROTATED 90°. | 12/9/44<br>JUN. 45 | 1164A-1<br>4021               | CTD- 53178 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>250 VOLTS AC/DC, 250 AMPS, 60 CYCLES<br>150 KC - 150 MC. ATTENUATION RANGE CAN<br>SIZE 10 1/8" X 3 11/16" X 3 5/8", TERMI-<br>NALS, MACHINE SCREW #1/2-11, HERMETI-<br>CALLY SEALED. | 4/25/44<br>JUN. 45 | 1184<br>JUN. 45               | CTD- 53185 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53179 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>250 VOLTS AC/DC, 5 AMPS, 60 CYCLES<br>TWO-CIRCUIT. ATTENUATION RANGE 150 KC -<br>150 MC. CAN SIZE 4 1/8" X 3 3/4" X<br>1 3/4", TERMINALS ON OPPOSITE 1 3/4" X<br>3 3/4" ENDS. HERMETICALLY SEALED. | 4/25/44<br>JULY 44 | CTD- 53186 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53172 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>250 VOLTS AC/DC, 30 AMPERES, 60 CYCLES.<br>150 KC TO 150 MC ATTENUATION RANGE. | 4/25/44<br>JUN. 45 | 1166<br>2785 | CTD- 53173 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>40 VOLTS AC/DC, 30 AMPERES, 60 CYCLES.<br>150 KC TO 150 MC ATTENUATION RANGE. | 4/25/44<br>JUN. 45 | 1167<br>3593 | CTD- 53174 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>40 VOLTS AC/DC, 55 AMPERES, 150 KC-150<br>MC ATTENUATION RANGE. | 4/25/44<br>JUN. 45 | 1168<br>2818 | CTD- 53175 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>150 VOLTS AC/DC, 1.5 AMPERES, 60 CYCLES.<br>150 KC-150 MC ATTENUATION RANGE.<br>TWO-CIRCUIT. | 4/25/44<br>JUN. 45 | 1169<br>3508 | CTD- 53176 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>250V AC/DC 2.5 AMPS, 2 CIRCUIT. CAN SIZE<br>2 1/2" X 2" X 3 5/16". HERMETICALLY<br>SEALED. SOLDER LUG TERMINALS. | 4/25/44<br>DEC. 44 | 1172<br>4102 REV 0 | CTD- 53177 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>440V AC/DC 100 AMPS, SINGLE CIRCUIT. CAN<br>SIZE 10 1/8" X 3 11/16" X 3 5/8" OVERALL<br>LENGTH INCLUDING TERMINALS 13 1/8". TER-<br>MINALS MACHINE SCREW #3/8-16 (NC-2) HER-<br>METICALLY SEALED. | 4/25/44<br>DEC. 44 | 1180<br>2895 REV 0 | CTD- 53178 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>250 VOLTS AC/DC, 500 AMPS, 60 CYCLES<br>ATTENUATION RANGE, 150 KC - 150 MC. HER-<br>METICALLY SEALED. | 4/25/44<br>JUN. 45 | 1186<br>5001 | CTD- 53181 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>40 VOLTS AC/DC, 250 AMPS, 60 CYCLES<br>ATTENUATION RANGE, 150 KC TO 150 MC.<br>HERMETICALLY SEALED. | 4/25/44<br>JUN. 45 | 1185<br>5001 | CTD- 53182 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>550 VOLTS DC/250 VOLTS AC, 5 AMPERES 60<br>CYCLES, DUAL CIRCUIT 150 KC TO 150 MC<br>ATTENUATION RANGE. BRASS 0.0253" THICK<br>5" X 3" X 1 11/32" TERMINALS #7 ZIERICK<br>LUGS SOLDERED TO NUT AND STUD 1 3/8"<br>APART CENTRALLY LOCATED ON 1 11/32" X 3"<br>4/25/44 TYPE 1188 | 4/25/44<br>JUN. 45 | 1187<br>5001 | CTD- 53183 GEN. RADIO USE<br>R.F. NOISE FILTER:<br>550 VOLTS DC/250 VOLTS AC, 5 AMPERES 60<br>CYCLES, DUAL CIRCUIT 150 KC TO 150 MC<br>ATTENUATION RANGE. BRASS 0.0253" THICK<br>5" X 3" X 1 11/32" TERMINALS #7 ZIERICK<br>LUGS SOLDERED TO NUT AND STUD 1 3/8"<br>APART CENTRALLY LOCATED ON 1 11/32" X 3"<br>4/25/44 TYPE 1188 | 4/25/44<br>JUN. 45 | 1188<br>5001 | CTD- 53184 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | 1184<br>JUN. 45 | CTD- 53185 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53186 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53187 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53188 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53189 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CTD- 53190 GEN. RADIO USE<br>R.F. NOISE FILTER: | 4/25/44<br>JULY 44 | CRV- 53191 FOR USE WITH<br>OCJ/OCL<br>FILTER JUNCTION BOX:<br>FOR ADAPTING OCJ/OCL EQUIPMENTS TO BEAR-<br>ING DEVIATION INDICATORS. SIMILAR TO<br>-53065 EXCEPT HAS BEEN MODIFIED FOR<br>COUPLING TO BEARING DEVIATION INDICATOR.<br>NXst-44595<br>4/28/44 MI-16772 W-307032<br>JULY 44 REV 1 | 4/25/44<br>JULY 44 | CRN- 53192 TOP-3<br>LINE FILTER UNIT:<br>CONTAINS A LINE SWITCH AND A LINE FUSE,<br>FURNISHED WITH ONE END FOR CONNECTION TO<br>UNIT BY MEANS OF A 5 FOOT RUBBER-COVERED<br>INTERNALLY-SHIELDED CABLE. BOX IS EQUIP-<br>PED WITH FITTINGS TO CLAMP #14 TWO CON-<br>DUCTOR LEAD AND ARMORED CABLE AS USED ON<br>5/3/44<br>OCT. 44 | 4/25/44<br>OCT. 44 |





Class 53—Filter Units

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| NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION   | NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR  | NAVY DRAWING OR SPECIFICATION | NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR   | NAVY DRAWING OR SPECIFICATION |
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| CW-53224              | CBC                | FILTER, BAND PASS CONSISTS OF TWO RETARDATION COILS AND FOUR CAPACITORS POTTED IN A RECTANGULAR METAL CAN. DESIGNED FOR USE IN CIRCUIT HAVING A SENDING AND RECEIVING IMPEDANCE EACH OF 600 OHMS. THE INSERTION LOSS BETWEEN 800 AND 12000 CPS IS TO BE 1.5 DB<br>1/22/45 CW:D-166442 CW:BL-105586<br>FEB. 45 | CSL-53229             | EA. COIL 0.155 OHM ±10%. AMBIENT TEMP. RANGE -30°C TO +65°C. UNITS MINERAL OR SYNTHETIC OIL FILLED.   |                               | CSL-53235             | SEE BELOW<br>FILTER ASSEMBLY:<br>CONSISTS OF FIVE NAVY TYPE -482632 PAPER CAPACITORS, THREE NAVY TYPE -47657 R.F. COILS, AND TWO NAVY TYPE -47666 R.F. COILS MOUNTED ON A BASE PLATE.<br>*CC-211133, CC-211135<br>2/8/45 EN-113 F 6442<br>MAR. 45 ISS. D                             |                               |
| OR LESS.              |                    | CSL-53224   | CRV-53230             | QGB<br>R.F. FILTER<br>CONSISTS OF 100Ω, 2 WATT COMP. RESISTOR, WITH 20 TURNS OF AWG#14 WIRE 42" LONG CLOSE WOUND ABOUT IT AND CONNECTED IN PARALLEL WITH IT. 17-26 KC. ZERO DC RESISTANCE. INDUCTANCE ZERO.<br>1/26/45 FEB. 45  | CRV:W-306507 P187<br>REV 6    | CAOS-53236            | HK 6 MOD 0<br>FILTER ASSEMBLY:<br>CONSISTS OF A SINGLE PI SECTION COIL. THE SERIES INDUCTANCE IS 7 MICROHENRIES 7 TURNS OF #26 DOUBLE ENAMEL WIRE WOUND ON SPOOL. TWO SHUNT CAPACITORS -482676 ALSO INCLUDED.<br>2/15/45 CAOS:95308<br>MAR. 45                                       | CAOS:A70225A<br>REV. 0        |
| CTD-53225             | SG-3, SG-4         | R.F. FILTER ASSEMBLY<br>CONSISTS OF THREE TYPE CTD-53177. R.F. NOISE FILTERS ASSEMBLED IN A DRIPPROOF ENCLOSURE DESIGNED FOR BULKHEAD MOUNTING RATED 100 AMPS, 440V AC/DC.<br>1/23/45 1182<br>FEB. 45   | CRV-53231             | QGB<br>FILTER REACTOR<br>CONSISTS OF A REACTOR IN PARALLEL WITH A 0.06 ±2% MFD. 600V DC. CAPACITOR TUNED TO 590 ±6 CYCLES. (NOMINAL 600-). RESISTANCE AT RESONANCE 88,700Ω. HIPOT 1000V PEAKED AT 590 ±6 CPS REACTOR CONSISTS OF 1650 TURNS #35E WIRE, 77 TURNS PER<br>1/27/45 XT-4449<br>FEB. 45                   | CRV:K-901685 P-1<br>REV 2     | CATP-53237            | DAS-4<br>FILTER TRAP:<br>DUAL SECTION 1125 MICROHENRIES INDUCTANCE ±5% WITHOUT CORE DC RES 11.6 OHMS AT 1000 CPS, ZERO DC CURRENT. EACH SECTION 150 TURNS #36 SINGLE SILK ENAMEL. 15 MMF ±10%, 500V DCW (JAN TYPE CM20B150K) CAPACITOR IN SERIES WITH<br>2/17/45 A-200<br>MAR. 45    | CFE:500.447                   |
| CSL-53226             | CHT-211275         | FILTER ASSEMBLY<br>CONSISTS OF TWO CSL-482632, AND TWO CSL-482633 PAPER CAPACITORS, TWO CSL-47556 AND ONE CSL-47657 RF COILS, AND TWO CSL-482602-20 MICA CAPACITORS, ENCLOSED IN METAL CAN, RATED 25 AMP 330V<br>*CHT:#C-133-6, REV 0<br>1/24/45 CSL:EN-121<br>FEB. 45  | CRV-53231             | LAYER, 108 OHMS DC RESISTANCE AT 25°C. WOUND OVER KRAFT SPOOL 1 3/16 X 5/32" DIA. LAMINATED METAL CORE. HERMETICALLY SEALED, CASTOR OIL FILLED. WITH 100000Ω RESISTOR IN SERIES IN THE INPUT E1/E2 PEAKED AT 590 ±6 CPS SHALL AT BE AT LEAST 0.47.  |                               | CRV-53238             | DAS-4<br>FILTER TRAP:<br>ONE PI SECTION, 560 MICROHENRIES INDUCTANCE ±5% WITHOUT CORE. DC RES. 19.4 OHMS AT 1000 CPS ZERO DC CURRENT. 175 TURNS #36 SINGLE SILK ENAMEL. 30 MMF ±10%, 500V DCW (JAN TYPE CM20C300J) CAPACITOR IN PARALLEL WITH COIL. SLUG<br>2/17/45 A-201<br>MAR. 45 | CFE:500.448                   |
| DC, 120V AC.          |                    | CSL-53226   | CRV-53232             | T0Q RA 53F 216B<br>TRANSMISSION LINE FILTER:<br>CONSISTS OF 3 COILS RATED 0.0574 MICROHENRIES, TWO CAPACITORS OF 30 MMF AND TWO CAPACITORS OF 60 MMF, IN SILVER PLATED BRASS HOUSING. IT INCLUDES AT ONE END OF HOUSING AN END FITTING; AT THE OTHER END TWO TYPE -49268 CONNECTORS<br>2/1/45 MI-16400-A<br>MAR. 45 | CRV:M-433105<br>SUB 3         | CRV-53238             | DAS-4<br>TUNED. TWO LUG TERMINALS. ASSEMBLED IN METAL CAN.   |                               |
| CSL-53227             | CHT-211275         | FILTER ASSEMBLY<br>CONSISTS OF TWO CSL-482632 PAPER CAPACITORS, TWO CSL-482602-20 MICA CAPACITORS, AND TWO CSL-47658 RF COILS. ENCLOSED IN METAL CAN. RATED 50 AMP, 330V DC, 120V AC.<br>*CHT:#133-4 REV 0<br>1/24/45 CSL:EN-122<br>FEB. 45   | CRV-53232             | SEPARATED BY 9.0 INCHES OF TYPE RG-8/U COAXIAL CABLE.   |                               | CRV-53238             | JT<br>R.F. FILTER:<br>CONSISTS OF 3RF TRANSFORMER SLUG-TUNED AND A SERIES OF FIXED CAPACITORS TO FORM FILTER NETWORK. ALL COILS CONSISTS OF 725 TURNS OF 10/43SSE #516 GA 94 WIRE OF 31.2 OHMS DC RESISTANCE.<br>2/24/45<br>MAR. 45  | CRV:W-131195<br>CHANGE I      |
| CSL-53228             | CHT-211275         | FILTER ASSEMBLY<br>CONSISTS OF TWO CSL-482632 AND TWO CSL-482633 PAPER CAPACITORS, TWO CSL-482602-20 MICA CAPACITORS, TWO CSL-47658 AND ONE CSL-47657 RF COILS. ENCLOSED IN METAL CAN. RATED 56 AMPS 330V DC.<br>*CHT:#C-133-8 REV 0<br>1/24/45 CSL:EN-139<br>FEB. 45   | CTD-53233             | AN/TPS-1B<br>R.F. NOISE FILTER:<br>A CAPACITIVE-INDUCTIVE FILTER RATED 250 VOLTS 55 AMPS DC. HAS TWO HEX BINDING POSTS WITH #10-32 TAPPED HOLES.<br>2/6/45 1147<br>MAR. 45  | 2409<br>ISSUE B               | CFW-53239             | JT<br>R.F. FILTER:<br>CONSISTS OF 2 COILS AND 5 CAPACITORS CONNECTED SO AS TO GIVE A R.F. FILTER. COIL #1 CONSISTS OF 798 TURNS OF 8/41SSE #553 WIRE, INDUCTANCE 13.5 MH. COIL #2 CONSISTS OF 1360 TURNS OF 38SSE #605 WIRE. INDUCTANCE 45 MH.<br>2/24/45<br>MAR. 45                 | CRV:W-131195<br>CHANGE I      |
| CSL-53229             | SO-4               | FILTER ASSEMBLY<br>RADIO INTERFERENCE FILTER FOR 1 AMP. AT 115V AC. MATERIAL IN CAN AND COVER .026 STEEL. CONSISTS OF 4 CAPACITORS, EA. RATED .5 MFD 600V DC, AND 2 COILS, EA. OF 18 TURNS OF #20 DOUBLE GLASS INSULATED COPPER WIRE ON POWDERED IRON CORE. RES.<br>1/25/45 EN-108<br>FEB. 45                 | CSL-53234             | SEE BELOW<br>FILTER ASSEMBLY:<br>CONSISTS OF TWO NAVY TYPE -482532 PAPER CAPACITORS AND TWO NAVY TYPE -47657 R.F. COILS MOUNTED ON A "U" SHAPED MTG. BASE.<br>*CC-211133, CC-211135<br>2/8/45 EN-109<br>MAR. 45   | F6476<br>ISS. A               | CFW-53240             | JT<br>R.F. FILTER<br>CONSISTS OF 2 COILS AND 5 CAPACITORS CONNECTED SO AS TO GIVE A R.F. FILTER. COIL #1 CONSISTS OF 798 TURNS OF 8/41SSE #553 WIRE, INDUCTANCE 13.5 MH. COIL #2 CONSISTS OF 1360 TURNS OF 38SSE #605 WIRE. INDUCTANCE 45 MH.<br>2/24/45<br>MAR. 45                  | CRV:W-131195<br>CHANGE I      |

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| 53241 JT              | RE 13A553          | FILTER BANDPASS<br>BAND PASS 0.5 TO 14 KC, 1000 OHM<br>IMPEDANCE CONSISTS OF 3 COILS A/B/C<br>WHICH HAVE 25/125/1520 TURNS OF 1126/1126/31 HEAVY FORREX WIRE OF 1.9/1.9/21.4 OHMS DC RESISTANCE, INDUCTANCE 11.8/11.8/123.5 MILLIHENRIES. HIPOUT 600V.<br>2/24/45 CTR: CRV:M-131062<br>MAR. 45 CHANGE 3 | CRP-53248 SO-4<br>DC FILTER UNIT:<br>UNIT CONTAINS FOUR 0.5 MFD 600V DC CAPACITORS AND 2 COILS, EACH RATED 2 MICROHENRIES AND HAVING 23 TURNS OF #8 SCE WIRE IN A SINGLE LAYER ON 5/8" DIA. LINEN BASE PHENOLIC ROD.<br>QCRP:A-71A-V2MG1 SUB E<br>3/2/45 71A-2 W18-5113<br>MAR. 45 SUB 3 *   | CRV-53255 SA<br>FILTER COIL:<br>ASSEMBLY CONSISTING OF 2-4, 7 MMFD CAPACITORS, 1-56 MMFD. CAPACITOR AND 3 COILS. FIRST COIL INDUCTANCE 4 TO 8 MICROHENRIES, 19 1/2 TURNS OF #28E COPPER WIRE, 2 OHMS DC RESISTANCE; SECOND COIL INDUCTANCE 1 MICROHENRIES, 6 TURNS OF #28E 3/7/45 CRV:M-421634 CRV:M-421634<br>MAR. 45 G 501 G 501 REV 5      |                               |                       |                    |                               |
| 53242 JT              | RE 13A553          | FILTER BAND PASS<br>BAND PASS 0.5 TO 9 KC., 10,000 OHM<br>IMPEDANCE CONSISTS OF 3 COILS A/B/C OF 2450/2450/1040 TURNS OF #32/#32/#30 HEAVY FORREX WIRE OF 43.0/43.0/11.6 OHMS DC RES. INDUCTANCE 3987 3987/70.7 MILLIHENRIES. HIPOUT 600V.<br>2/24/45 CTR: CRV:M-131062<br>MAR. 45 CHANGE 3             | CRP-53249 SO-4<br>FILTER UNIT:<br>UNIT CONTAINS TWO 0.5 MFD 600V DC CAPACITORS, TWO 0.005 MFD 600V DC CAPACITORS, AND TWO COILS EACH RATED 2 MICROHENRIES AND HAVING 10 TURNS #16 EN CU WIRE.<br>QCRP:A-71A-V3, G1 SUB E<br>3/2/45 71A3 W18-5106<br>MAR. 45 SUB 4 *  | CRV-53255<br>COPPER WIRE, 0.9 OHMS DC RESISTANCE; THIRD COIL INDUCTANCE 1.6-2.8 MICROHENRIES, 16 TURNS OF #28E COPPER WIRE, 1.3 OHMS DC RESISTANCE ALL THREE COILS ARE WOUND ON SAME COIL FORM. COIL HAS ADJUSTABLE IRON CORE AT EACH END; DUAL TUNED UNIT IN SHELL CAN.; ASSEMBLY RATED 0.001 AMPS, 15 MA FREQ., 1/4 WATT, 350 VOLTS TO GND. |                               |                       |                    |                               |
| CGQ-53243 EG-7        |                    | R F FILTER UNIT<br>CONSISTS OF ONE LOW VOLTAGE AND ONE HIGH VOLTAGE RF CHOKE, ONE 0.5 HENRY CHOKE, ONE 0.005 MFD. CAPACITOR, TWO 0.5 MFD. CAPACITORS, ONE 4 MFD. CAPACITOR, A 4-OHM POTENTIOMETER AND A RECEPTACLE.<br>FREQ. RANGE 150 KC TO 20 MC.<br>2/27/45 D-SA-10146<br>MAR. 45                    | CRP-53250 SO-4<br>AC FILTER UNIT:<br>UNIT CONTAINS FOUR 0.5 MFD, 600V DC CAPACITORS AND 2 COILS, EACH RATED 2 MICROHENRIES AND HAVING 23 TURNS #8 SCE WIRE.<br>QCRP:A-71A-VI G1 SUB C<br>3/2/45 71A1 W18-5099<br>MAR. 45 SUB 3 *   | CRV-53256 SA-3<br>FILTER COIL<br>DUAL TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. CAPACITOR AND 3 COILS. 1ST COIL INDUCTANCE 5.3 TO 9.2 MICROHENRIES, 20 3/4 TURNS OF #28 COPPER WIRE, 2.3 OHMS DC RESISTANCE, 2ND COIL INDUCTANCE 2.1 TO 3.5 MICROHENRIES, 13 3/7/45 CRV:M-421634 CRV:M-421634<br>MAR. 45 502 G502 REV 5      |                               |                       |                    |                               |
| CRP-53244 SO-3        |                    | FILTER UNIT:<br>CONSISTS OF ONE NAVY TYPE -48733-10 MICA CAPACITOR; ONE NAVY TYPE -482540 DUAL CERAMIC CAPACITOR; AND A COIL WOUND IN TWO SECTIONS, ONE OF 9 TURNS #26 EN WIRE AND THE OTHER OF 10 TURNS #26 EN WIRE.<br>3/1/45 5854-265 CRP:A5854-U265<br>MAR. 45 SUB. E                               | -53251 *SEE BELOW<br>INTERFERENCE FILTER:<br>A FILTER PLACED BETWEEN THE ANTENNA AND RECEIVER INPUT TO ELIMINATE RADIO INTERFERENCE. SAME AS -53153 EXCEPT HAS HIGHER FREQUENCY.<br>QFOR USE WITH SD SERIES<br>3/3/45<br>MAR. 45   | CRV-53256<br>TURNS OF #28 E COPPER WIRE, 1.5 OHMS DC RESISTANCE, 3RD COIL INDUCTANCE 0.8 MICROHENRIES, 7 TURNS OF #28 E COPPER WIRE 0.9 OHMS DC RES; ALL THREE COILS ARE WOUND ON SAME COIL FORM; CORE HAS ADJUSTABLE IRON CORE AT EACH END ON SLOTTED STUDS; ASSEMBLY RATED 0.001 AMPS, 15 MC FREQ., 1/4 WATT; 350V TO GRD.                  |                               |                       |                    |                               |
| CAVL-53245 SO-S0A     |                    | FILTER UNIT:<br>RATED 100 AMPS, 35 VOLTS DC, 0.00061 OHMS DC RES. CONTAINS TWO CAPACITORS RATED 4 MFD AND 1.3 MFD, AND A COIL WHICH CONSISTS OF 8 TURNS #4 SQUARE WIRE. FREQUENCY RANGE 0.2 TO 20 MC.<br>3/1/45 RF6-100 CRP:91*5135<br>MAR. 45  | CG-53252 SP-1M<br>NOISE FILTER:<br>CONSISTS OF AN ASSEMBLY OF 2 CANS (CONTAINING 2 CAPACITORS EACH) AND 2 COILS. COILS: 5.4 MH INDUCTANCE PER COIL, 110V, 60 CYCLES 15 AMPS 0.016 OHMS DC RES. 23 TURNS #14 AWG WIRE PER COIL COTTON COVERED, IMPREGATED, AIR<br>3/5/45 1C207 CG:M-48J299<br>MAR. 45   | CRV-53257 SA-3<br>FILTER COIL<br>SINGLE TUNED UNIT IN SHIELD CAN.; ASSEMBLY CONSISTS OF 1-56 MMFD CAPACITOR AND A COIL CONSISTING OF 17 TURNS OF #28 E COPPER WIRE, HAS ADJ. IRON CORE; INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, 2 OHMS DC RES; 15 MC FREQ, WATTAGE 1/4, 3/2/45 P-720938-501 CRV:P-720938<br>MAR. 45 G501 REV 8             |                               |                       |                    |                               |
| CAVL-53246 SO-3       |                    | FILTER UNIT:<br>RATED 100 AMPS AT 35 VOLTS DC, UNSEALED ALUMINUM CASE CONTAINS 2 CAPACITORS RATED 3.5 MFD AND 2.2 MFD, AND A COIL WHICH CONSISTS OF 9 TURNS #4 SQUARE WIRE WITH 0.00051 OHMS DC RES. FREQUENCY RANGE 0.2 TO 20 MC.<br>3/1/45 RF2-100 CRP:91-5124<br>MAR. 45                             | CG-53252<br>CORE, EACH CAPACITOR 0.42 MFD ± 20%, PAPER, 600V DC. CAPACITORS CONNECTED TO CAN. ALL SUPPLIED AS A UNIT.  | CRV-53257<br>AMPS 0.001, 350 VOLTS TO GRD.  |                               |                       |                    |                               |
| CRP-53247 SO-1        |                    | FILTER UNIT:<br>CONSISTS OF 2 FILTER CIRCUITS, ONE HAVING 2 RF COILS TWO 0.1 MFD CAPACITORS AND TWO 0.5 MFD CAPACITORS, THE OTHER HAS 2 RF COILS AND TWO 0.0006 MFD CAPACITORS. DC RES IS 5.8 OHMS ON EACH CIRCUIT. UNIT IS RATED 115 VOLTS DC, 20<br>3/2/45 40-19-167 A-40-W167<br>MAR. 45 REV. 5      | CUT-53253 Q8E-1<br>LOW PASS FILTER<br>50,000 OHM SOURCE WITH LOAD IMPEDANCES, LEVEL 15 TO 50 VOLTS TEST VOLTAGE 500V DC LEAKAGE GREATER THAN 200 MEGS, 600 OHMS DC RES; COIL CENTER TAPPED AT 5000 TURNS OF #35 E WIRE, CONTAINS A TRIPLE SECTION CAPACITOR, ENCLOSED IN CAN.<br>3/5/45 CUT-63002 C8M-1000A-100<br>MAR. 45 C8M:869-111 ALT 0 | CRV-53258 SA<br>FILTER COIL<br>SINGLE TUNED UNIT IN A SHIELD CAN. ASSEMBLY CONSISTS OF 1-56 MMFD. CAPACITOR AND A COIL WITH ADJ. IRON CORE, CONSISTING OF 17 TURNS OF #28 E COPPER WIRE; INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, 2 OHMS DC RES., 15 MC FREQ., 0.001<br>3/8/45 P-720938 CRV:P-720938<br>MAR. 45 502 G502 REV 8              |                               |                       |                    |                               |
| CRP-53247             |                    | AMPS. WIRE SIZE OF COILS IS #8.   | CTH-53254 Q8F-1<br>BAND PASS FILTER:<br>1/2/43 CONSISTS OF 4300/1340/4000 TURNS OF 32E/32E/32E WIRE HAVING 710/71/1420 OHMS DC RES #3 TAPPED AT 2540 TURNS. CONTAINS THREE CAPACITORS.<br>3/6/45 CTH:T-45822 C8M-1000A-71<br>MAR. 45 C8M-1000A-71 ALT 3  | CRV-53258<br>AMPS, WATTAGE 1/4, 350 VOLTS TO GND.   |                               |                       |                    |                               |



Class 53—Filter Units

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**CRV-53259 SA**  
 FILTER COIL  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-4.7 MMFD. CAPACITOR, AND 2 COILS. 1ST COIL HAS 21 TURNS OF #28 E COPPER WIRE. 2ND COIL HAS 3 TURNS OF #28 E COPPER WIRE. 2ND COIL IS WOUND OVER 1ST. COIL HAS ADJ. IRON CORE:  
 3/8/45 P-720938-504 CRV:P-720938  
 MAR. 45 G504 REV 8

**CRV-53259**  
 INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES. FREQ. 15 MC. AMPS 0.001, WATTAGE 1/4, 2 OHMS DC RESISTANCE, 350 VOLTS TO GROUND.

**CRV-53263 SA-3**  
 FILTER COIL ASSEMBLY  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. CAPACITOR, 1-100,000 OHMS RESISTOR, 1-3300 OHMS RESISTOR AND A COIL HAVING 17 TURNS OF #28 E COPPER WIRE AND AN ADJ. IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES.  
 3/8/45 P-720938-508 CRV:P-720938  
 MAR. 45 G508 REV 8

**CRV-53263**  
 FREQ. 15 MC. AMPS 0.008, WATTAGE 1/4, 1.9 OHMS DC RESISTANCE, 350 VOLTS TO GRD.

**CRV-53267 SA-3**  
 FILTER CHOKE  
 ASSEMBLY CONSISTS OF 2-300 MMFD. CAPACITORS, 1-56 OHMS 1/2 WATT RESISTOR, AND A COIL HAVING 6 1/2 TURNS OF #22 E COPPER WIRE AND AN IRON CORE. CORE SO ADJUSTED THAT CAPACITY AT RESONANCE IS WITHIN ± 0.1% OF STANDARD COIL AND FORM.  
 3/9/45 M-440350-501 CRV:M-440350  
 MAR. 45 G501 REV 6

**CRV-53267**  
 INDUCTANCE OF ASSEMBLY 0.56-1.08 MICROHENRIES. FREQ. 15 MC. AMPS 0.001, WATTAGE 1/4, 0.016 OHMS DC RESISTANCE, 100 VOLTS TO GROUND.

**CRV-53260 SA**  
 FILTER COIL  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-56 MMFD. CAPACITOR, 1-4.7 MMFD. CAPACITOR AND 2 COILS. 1ST COIL HAS 23 TURNS OF #28 E COPPER WIRE. 2ND COIL HAS 3 1/2 TURNS OF #28 E COPPER WIRE. 2ND COIL IS WOUND OVER 1ST COIL.  
 3/8/45 P-720938-503 CRV:P-720938  
 MAR. 45 G503 REV 8

**CRV-53260**  
 COIL HAS ADJ. IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC. AMPS 0.001, WATTAGE 1/4, 2 OHMS DC RES. 350 VOLTS TO GRD.

**CRV-53264 SA-3**  
 FILTER COIL  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. CAPACITOR, 1-3300 OHMS RESISTOR, AND A COIL HAVING 17 TURNS OF #28 E COPPER WIRE AND ADJUSTABLE IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC. AMPS  
 3/8/45 P-720938-509 CRV:P-720938  
 MAR. 45 G509 REV 8

**CRV-53264**  
 0.008, WATTAGE 1/4, 1.9 OHMS DC RESISTANCE, 350 VOLTS TO GRD.

**CFW-53268 VB-2**  
 FILTER ASSEMBLY  
 CONSISTS OF TWO COILS, EACH HAVING 610 TURNS 10-STRAND #40 SS E WIRE, AND COMBINED DC RES. OF 32.0 OHMS, AND A 1000 MMF. 500V DC MICA CAPACITOR. INDUCTANCE IS 25.2 MICROHENRIES, ADJUSTABLE CORE, TUNED TO 52.8 KC.  
 3/13/45 13000 CRV:M-6550  
 MAR. 45 REV 8

**CACY-53269 LU-3**  
 FILTER ASSEMBLY  
 CONSISTS OF A COIL RATED 60 MICROHENRIES NT-48711 MICA CAPACITOR, NT-481057 MICA CAPACITOR AND A 1000 OHM COMPOSITION RESISTOR. TUNED TO 4.7 MC. COIL HAS 65 TURNS OF #26 EN WIRE.  
 \*CRB:AS-1437 ISS F  
 3/13/45 S-105 CRB:DM-1028  
 MAR. 45 ISS A \*

**CRV-53261 SA**  
 FILTER COIL  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-56 MMFD. CAPACITOR AND A COIL HAVING 21 TURNS OF #28 E COPPER WIRE AND ADJ. IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC. AMPS 0.003, WATTAGE 1/4, 2 OHMS DC  
 3/8/45 P-720938-505 CRV:P-720938  
 MAR. 45 G505 REV 8

**CRV-53261**  
 RESISTANCE, 350 VOLTS TO GRD.

**CRV-53265 SA-3**  
 FILTER CHOKE COIL  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. CAPACITOR, 1-3300 OHMS RESISTOR, AND A COIL HAVING 16 TURNS OF #28 E COPPER WIRE AND AN ADJUSTABLE IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC.  
 3/8/45 P-720938-510 CRV:P-720938  
 MAR. 45 G510 REV 8

**CRV-53265**  
 AMPS 0.003, WATTAGE 1/4, 1.8 OHMS DC RESISTANCE, 350 VOLTS TO GRD.

**CACY-53270 LU-3**  
 FILTER ASSEMBLY  
 CONSISTS OF A COIL, NT-43856 AND NT-481057 MICA CAPACITORS, AND A 100 OHM AND A 25,000 OHM COMPOSITION RESISTOR. TUNED TO 30 KC. COIL RATED 0.02 HERRIES, CONSISTS OF 1,088 TURNS OF #29 EN. CU.  
 \*CRB:AS-1440 ISS H  
 3/13/45 S-106 CRB:DM-1027  
 MAR. 45 ISS A \*

**CACY-53270**  
 WIRE TAPPED AT 64 AND 527.

**CRV-53262 SA-3**  
 FILTER COIL ASSEMBLY  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. CAPACITOR, 1-3300 OHMS RESISTOR, AND A COIL HAVING 17 TURNS OF #28 E COPPER WIRE AND AN IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC. AMPS 0.008.  
 3/8/45 P-720938-507 CRV:P-720938  
 MAR. 45 G507 REV 8

**CRV-53262**  
 WATTAGE 1/4, 1.9 OHMS DC RESISTANCE, 350 VOLTS TO GRD.

**CRV-53266 SA-3**  
 FILTER CHOKE  
 SINGLE TUNED UNIT IN SHIELD CAN. ASSEMBLY CONSISTS OF 1-100 MMFD. 1-3300 OHMS RESISTOR, AND A COIL HAVING 19 TURNS OF #28 E COPPER WIRE AND AN ADJ. IRON CORE: INDUCTANCE OF ASSEMBLY 3.5-6 MICROHENRIES, FREQ. 15 MC. AMPS 0.003, WATTAGE  
 3/8/45 P-720938-511 CRV:P-720938  
 MAR. 45 G511 REV 8

**CRV-53266**  
 1/4, 2.1 OHMS DC RESISTANCE, 350 VOLTS TO GRD.

**CFW-53271 VF**  
 FILTER ASSEMBLY  
 CONSISTS OF A SLUG-TUNED COIL RATED 10 MILLIHERIES NOMINAL (6.65 MIN. TO 15.56 MAX) AND ONE 350 MMF ± 2% CAPACITOR. COIL HAS 750 TURNS OF 38 SNE #900 GA 62 WIRE TAPPED AT 385 TURNS. TOTAL DC RES. 73 OHMS. CIRCUIT TUNED TO 82 KC.  
 3/13/45 13072 CRP:V96-5067-1  
 MAR. 45 SUB B

**CFW-53272 VF**  
 FILTER ASSEMBLY  
 CONSISTS OF A SLUG-TUNED COIL RATED 40 MILLIHERIES NOMINAL (28.74 MIN. TO 60.74 MAX) AND ONE 2200 MMF ± 2% CAPACITOR. COIL HAS 1495 TURNS OF 38 SNE #900 GA 62 WIRE TAPPED AT 385 TURNS; TOTAL DC RES. IS 180 OHMS. CIRCUIT TUNED TO 16.4  
 3/13/45 13074 CRP:V96-5067-3  
 MAR. 45 SUB. B

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Class 53—Filter Units

3.53-17

| NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION  | NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION  | NAVY TYPE DESIGNATION | FIRST ASSIGNED FOR | NAVY DRAWING OR SPECIFICATION  |
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|                       |                    | <b>CFM-53289</b><br>DUCTANCE 18.05 MILLIHENRIES ± 1%, 1000 CYCLES, ENCLOSED IN CORE AND SOLDERED ALL AROUND, 3 MOUNTING STUDS ON TOP OF CAN.   |                       |                    | <b>CM-53295</b><br>107 MH-103 MH/34.5 MH-33.1 MH/727 MH-699 MH/70.8 MH-68 MH/23 MH-22 MH, 4.5/1.6/0.4/6.5/0.8/0.25 OHMS DC RES, 145/80/45/200/65/36 TURNS OF 31 GAE/29 GADC/25 GADC/31 GAE/27 GADC/25 GADC WIRE.   |                       |                    | <b>CSL-53301</b> RX9T-87760<br>R.F. FILTER UNIT<br>CONSISTS OF TWO RF COILS, RATED 21.4 MICROHENRIES EACH, AND 4 CAPACITORS, RATED 1.0 MFD. EACH, ASSEMBLED IN A METAL CAN. RATED 20 AMPS, 115V AC, 600V DC. SAME AS -53199 EXCEPT HAS NO GROUNDING TERMINAL.<br>5/4/45 EN-106 MOD. CAJO:313-7<br>JUN. 45 REV. 0                           |
|                       |                    | <b>CG-53290</b> MARK 36<br>FILTER NETWORK<br>RATED 0.005 MFD, 2000 DISCHARGES PER SECOND, 600V DC WORKING, 12,000V TEST. CONSISTS OF 3 CAPACITORS IN PARALLEL CONNECTED TO THREE RESISTORS IN SERIES.<br>4/23/45 14F15.6E3-1/2- M-7475711<br>MAY 45 2000-50 PT. 1, REV 0   |                       |                    | <b>CM-53296</b> UF<br>LOW PASS FILTER<br>50 db SUPPRESSION FROM 300 KC TO 6 MC FOR SUPPRESSING RADIO FREQUENCIES PRODUCED BY RELAY CONTACTS. ASSEMBLY OF 2 RESISTORS, 2 INDUCTORS, AND 1 CAPACITOR (3 SECTIONS) ON A MTG. BRACKET. OPERATES BETWEEN 400 OHM IMPEDANCE. SAME AS 4/30/45 D170031 80-108670<br>MAY 45 ISS 1           |                       |                    | <b>CS-53302</b> DBE<br>FILTER ASSEMBLY<br>FREQUENCY 20 KC. CHARACTERISTIC IMPEDANCE 7500 OHMS. INPUT VOLTAGE 30V. OUTPUT VOLTAGE 20V. ATTENUATION REFERRED TO OUTPUT AT 20 KC, -57 db AT 40 KC, 33 db AT 60 KC, AND 40 db AT 100 KC. ASSEMBLY INCLUDES FILTER CIRCUITS ASSEMBLED IN A METAL CAN.<br>5/5/45 651022 651022<br>JUN. 45 REV. 0 |
|                       |                    | <b>CFW-53291</b> MARK 36<br>DELAY NETWORK<br>RATED 0.5 ± 0.05 MICROSECONDS, OVERALL RANGE. CONSISTS OF THREE 150 MMF. AND ONE 75 MMF. CAPACITORS IN PARALLEL, THREE 150 MILLIHENRY CHOKES IN SERIES, AND FOUR RESISTORS, TWO RATED 1000 OHMS, ONE 820 OHMS, AND ONE 120 OHMS.<br>4/23/45 P-25554-502 CG:M-7475787<br>MAY 45 PT. 1, REV 0 |                       |                    | <b>CM-53296</b><br>-53157 ELECTRICALLY BUT NOT INTERCHANGEABLE MECHANICALLY.   |                       |                    | <b>CS-53302</b><br>METAL CAN.  |
|                       |                    | <b>CV-53292</b> SS<br>SUPPRESSION NETWORK<br>MID-FREQUENCY 60 CPS, WITH APPROX. 40 db INSERTION LOSS. BAND WIDTH APPROX. 135 CPS, 8 db MAX. INSERTION LOSS AT BOTH ENDS. HERMETICALLY SEALED, 3 TERMINAL NETWORK, WITH 3 CAPACITORS & 3 RESISTORS POTTED IN A METAL CASE.<br>4/25/45 D-170664 BA-107654<br>MAY 45 ISS. 1                 |                       |                    | <b>CRV-53297</b> RBP<br>BAND PASS FILTER ASSEMBLY<br>FREQUENCY 4 KC. NOMINAL INTERNAL IMPEDANCE IS 25090 OHMS. ASSEMBLY INCLUDES ALUMINUM MTG. PLATE AND 5 SHIELDING ALUMINUM CANS CONTAINING 20 CAPACITORS, 10 COILS, 2 RESISTORS.<br>5/2/45 T-607803-503 T-607803-503<br>MAY 45 REV 3  |                       |                    | <b>CS-53303</b> DBE<br>FILTER ASSEMBLY<br>FREQUENCY 1KC. CHARACTERISTIC IMPEDANCE 3000 OHMS. INPUT VOLTAGE 40V. OUTPUT VOLTAGE 30V. ATTENUATION REFERRED TO OUTPUT AT 1KC: -45 db AT 2KC, 36 db AT 3KC, AND 45 db AT 5KC. ASSEMBLY INCLUDES FILTER CIRCUITS ASSEMBLED IN A METAL CAN.<br>5/5/45 651023 651023<br>JUN. 45 REV. 0            |
|                       |                    | <b>CW-53293</b> SS<br>PULSE NETWORK<br>CONSISTS OF 2 CAPACITORS & 4 COILS POTTED IN AN HERMETICALLY SEALED METAL CAN. INPUT: +1200 VOLTS DC, AND 14 VOLTS AC. OUTPUT: 6.3 VOLTS AC AND 16 KV PULSE OF APPROX. 1/2 MICRO-SECOND DURATION.<br>4/25/45 D-167900 BL-107852<br>MAY 45 ISS. 1  |                       |                    | <b>CRV-53298</b> RBP<br>BAND PASS FILTER ASSEMBLY<br>FREQUENCY 2 KC. NOMINAL INTERNAL IMPEDANCE 47820 OHMS. ASSEMBLY INCLUDES ALUMINUM MTG. PLATE AND 5 SHIELDING ALUMINUM CANS CONTAINING 20 CAPACITORS, 10 COILS, 2 RESISTORS.<br>5/2/45 T-607803-504 T-607803-504<br>JUN. 45 REV. 3   |                       |                    | <b>CS-53304</b> DBE<br>FILTER ASSEMBLY:<br>FREQUENCY 200 CPS. CHARACTERISTIC IMPEDANCE 10,000 OHMS. INPUT VOLTAGE/OUTPUT VOLTAGE: 34/19 VOLTS. ATTENUATION REFERRED TO OUTPUT AT 200 CPS, -38 db AT 400 CPS, 34 db AT 600 CPS, AND 38 db AT 1000 CPS.<br>5/5/45 651024 651024<br>JUN. 45 REV. 0  |
|                       |                    | <b>CW-53294</b> MK 22<br>NETWORK, TIME DELAY<br>CONSISTS OF 2 MULTI SECTION RETARDATION COILS AND 46 MICA CAPACITORS ASSEMBLED IN A HERMETICALLY SEALED RECTANGULAR METAL CAN EQUIPPED WITH 4 CERAMIC INSULATED TERMINALS, 1 GRD TERMINAL AND 3 THREADED MOUNTING STUDS. USE OF TERM. 1<br>4/25/45 D-167897 ESL-660265<br>MAY 45 ISS. 1  |                       |                    | <b>CRV-53299</b> RBP<br>BAND PASS FILTER ASSEMBLY<br>FREQUENCY 1KC. NOMINAL INTERNAL IMPEDANCE 95460 OHMS. ASSEMBLY INCLUDES ALUMINUM MTG. PLATE AND 5 SHIELDING ALUMINUM CANS CONTAINING 20 CAPACITORS, 10 COILS, 2 RESISTORS.<br>5/2/45 T-607803-505 T-607803-505<br>JUN. 45 REV. 3  |                       |                    | <b>CSF-53305</b> SR-2<br>PULSE-FORMING NETWORK:<br>5 SECTIONS, MICA-DIELECTRIC, TO PRODUCE 0.5 MICROSECOND PULSES AT 600 PULSES PER SECOND, 600 VOLTS WORKING. CHARACTERISTIC IMPEDANCE 75 OHMS.<br>5/9/45 S14-17 CRV:M-439095-1<br>JUN. 45 REV. 0   |
|                       |                    | <b>CW-53294</b><br>AND 2 PROVIDES A ONE MICROSECOND DELAY, TERMINALS 3 & 4 A TWO MICROSECOND DELAY, AND TERMINALS 1 & 4, WITH 2 STRAPPED TO 3, A THREE MICROSECOND DELAY. IMPEDANCE IS 460 OHMS. BAND WIDTH IS 2.7 MEGACYCLES. TEST VOLTS 350V DC BETWEEN TERMINALS 1, 2, 3, 4 AND CASE.   |                       |                    | <b>CV-53300</b> SV<br>OSCILLATOR NETWORK<br>CENTER TAPPED COIL RATED APPROX. 3.6 MILLIHENRIES WITH A CAPACITOR RATED 1000 MMF, 500V DC IN MOISTURE-RESISTANT INNER CAN, TEMP. OF WHICH IS CONTROLLED BY A NORMALLY CLOSED THERMOSTAT THAT OPENS AT 140°F. A HEATER 500 OHMS DC RES. AT 5/4/45 D-150970 BA-107001<br>JUN. 45 ISS. 1 |                       |                    | <b>CSF-53306</b> SR-2<br>PULSE-FORMING NETWORK:<br>4 SECTIONS, PAPER DIELECTRIC, TO PRODUCE 1.5 MICROSECOND PULSES AT 600 PULSES PER SECOND, 15 KV WORKING VOLTAGE. CHARACTERISTIC IMPEDANCE 50 OHMS.<br>5/9/45 6207 CRV:M-439097-1<br>JUN. 45 REV. 1  |
|                       |                    | <b>CW-53295</b> MK 22<br>NETWORK<br>CONSISTS OF 8 CAPACITORS AND 6 RETARDATION COILS ASSEMBLED IN A HERMETICALLY SEALED CASE. IMPEDANCE 8000 TURNS, PULSE WIDTHS 3/4 AND 1/2 MICROSECONDS, TEST VOLTS 1500V BETWEEN TERMINALS & CASE, L1/2/3/4/5/6 INDUCTANCE 350 MH-335 MH/<br>4/26/45 D168185 ESL-664164<br>MAY 45 ISS. 1              |                       |                    | <b>CM-53300</b><br>70°F RATED 110/1/60, 0.2 AMP, 24 WATTS, AND A CAPACITOR RATED 0.003 MFD, 500V V DC. ASSEMBLED IN ROCK WOOL INSULATION & MTD. IN OUTER CAN. WHEN NORMAL CURRENT OF 10 MILLIAMPS IS INTERRUPTED, NETWORK STARTS TO OSCILLATE AT 81.955 KC.<br>5/9/45 15-E6-5-180-50P CRV:P-719885-1<br>JUN. 45 REV. 1             |                       |                    | <b>CSF-53307</b> SR-2<br>PULSE-FORMING NETWORK:<br>6 SECTIONS PAPER-DIELECTRIC, TO PRODUCE 5 MICROSECOND PULSES AT 180 PULSES PER SECOND 15 KV WORKING VOLTAGE. CHARACTERISTIC IMPEDANCE 50 OHMS.  |

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| CW-53308 FSA<br>NETWORK:<br>CONSISTS OF 2 WINDING RETARDATION COIL,<br>9 CAPACITORS, AND 2 RESISTORS IN HER-<br>METICALLY SEALED COPPER CAN. INDUCTANCE<br>820 MICROHENRIES MAX. 780 MICROHENRIES<br>MIN. INPUT DC RES IS 3.80 OHMS USED<br>WITH 6SN7 VACUUM TUBE AS A NOMINAL 200<br>5/10/45 D-170599 BL-108370<br>JUN. 45 ISS. 1              |                    |                               | CW-53314 FSF<br>FILTER NETWORK:<br>400 TO 470 KC.<br>5/10/45 D-171496 BL-109237-3<br>JUN. 45 ISS 1  |                    |                               | CFW-53322 MK 36<br>NETWORK<br>RATED 81.95 KC. CONSISTS OF A COIL RATED<br>10 MH. INDUCTANCE NOMINAL AND 330 MHF.<br>CAPACITOR AND 56 MHF. CAPACITOR.<br>5/11/45 13632 CG:M-7475906-1<br>JUN. 45 REV. 0   |                    |                               |
| CW-53308<br>KC OSCILLATOR FREQUENCY CAN BE VARIED<br>IN AGREEMENT WITH KEYED INPUT SIGNAL TO<br>GIVE OUTPUT FREQUENCY OF 200 KC ± SHIFT<br>FREQUENCY.   |                    |                               | CW-53315 FSF<br>NETWORK:<br>5/10/45 D-171492 BL-109175-1<br>JUN. 45 ISS 1   |                    |                               | CAOS-53323 MK 6 MOD 0<br>FILTER ASSEMBLY<br>CONSISTS OF A SINGLE PI SECTION COIL.<br>SERIES INDUCTANCE IS 7 MICROHENRIES. 7<br>TURNS OF #26 DOUBLE EN WIRE WOUND ON<br>SPOOL. SAME AS -53236 EXCEPT SHUNT CAPA-<br>CITORS ARE NAVY TYPE -482318.<br>5/15/45 95305 B B95305 B<br>JUN. 45  |                    |                               |
| CW-53309 UN<br>NARROW BAND RECEIVE TERMINAL<br>BAY (CHANNELS 1-12): CONSISTS OF ONE<br>NAVY TYPE -23300 RECEIVING LINE TER-<br>MINAL PANEL, ONE -50101 AUDIO FREQUENCY<br>AMPLIFIER, AND ONE -53102, -53103,<br>-53104, -53105 RECEIVING TELEGRAPH<br>CHANNEL TERMINAL PANEL.<br>5/10/45 CW:X-66016G<br>JUN. 45 CW:X-66016G-1                   |                    |                               | CW-53316 FSF<br>NETWORK:<br>5/10/45 D-171493 BL-109175-2<br>JUN. 45 ISS 2   |                    |                               | CTD-53324 MXsr-87760<br>FILTER ASSEMBLY<br>20 AMP. 150V AC. SIMILAR TO -53301.<br>5/15/45 1196<br>JUN. 45  |                    |                               |
| CW-53310 UN<br>NARROW & WIDE BAND RECEIVE<br>TERMINAL BAY (CHANNELS 1-12 PLUS 22, 23,<br>24): CONSISTS OF ONE NAVY TYPE -23301<br>RECEIVING LINE TERMINAL PANEL, ONE<br>-50101 AUDIO FREQUENCY AMPLIFIER, AND<br>ONE OF EACH OF THE FOLLOWING: -53102,<br>-53103, -53104, -53105, -53107 RECEIV-<br>5/10/45 CW:X66016H<br>JUN. 45 CW:X-66016H-1 |                    |                               | CW-53317 FSF<br>BAND PASS FILTER:<br>29.625 TO 30.375 KC.<br>5/10/45 D-171485<br>JUN. 45  |                    |                               | CW-53325 UN X66016J<br>ONE NARROW BAND RECEIVE<br>TERMINAL (CHANNELS 1,3,5): CONSISTS OF<br>-23300 RECEIVING LINE TERMINAL PANEL,<br>-50101 AUDIO FREQUENCY AMPLIFIER, AND<br>-53106 RECEIVING TELEGRAPH CHANNEL TER-<br>MINAL PANEL.<br>5/18/45 CW:X66016J-1<br>JUN. 45   |                    |                               |
| CW-53310<br>ING TELEGRAPH CHANNEL TERMINAL PANEL.   |                    |                               | CW-53318 FSF<br>BAND PASS FILTER:<br>29.25 TO 30.75 KC.<br>5/10/45 D-171486<br>JUN. 45  |                    |                               | CW-53326 UN X66016E<br>TWO SENDING TERMINALS 12<br>NARROW BAND CHANNELS EACH: CONSISTS OF<br>-23297 SENDING LINE TERMINAL PANEL,<br>-50101 AUDIO FREQUENCY AMPLIFIER, AND<br>-53096, -53097, -53098, -53099 SENDING<br>TELEGRAPH CHANNEL TERMINAL PANEL.<br>5/18/45 CW:X66016E-1<br>JUN. 45  |                    |                               |
| CW-53311 FSF<br>R.F. FILTER:<br>5/10/45 D-163039<br>JUN. 45   |                    |                               | CW-53319 FSF<br>BAND PASS FILTER:<br>49.625 TO 50.375 KC.<br>5/10/45 D-171488<br>JUN. 45  |                    |                               | CRY-53327 RBP<br>DIODE OUTPUT ASSEMBLY<br>ASSEMBLY INCLUDES ALUMINUM CAN WITH<br>COVER CONTAINING 2-560 MHF. MICA CAPACI-<br>TORS, 1 COIL RATED 98 MILLIHENRIES IN-<br>DUCTANCE.<br>5/18/45 T-607806-510 T-607806-510<br>JUN. 45 REV. 2  |                    |                               |
| CW-53312 FSF<br>FILTER NETWORK:<br>450 TO 500 KC.<br>5/10/45 D-171494 BL-109237-1<br>JUN. 45 ISS 1  |                    |                               | CW-53320 FSF<br>BAND PASS FILTER<br>49.25 TO 49.75 KC<br>5/10/45 D171489<br>JUN. 45   |                    |                               | CRY-53328 RBP<br>MONITOR VOLUME ASSEMBLY<br>ASSEMBLY INCLUDES ALUMINUM CAN WITH<br>COVER CONTAINING 3-1500 MHF. MICA CAPA-<br>CITORS, REACTOR RATED 16,000-20,000 OHMS<br>IMPEDANCE, 1-25,000 OHMS WIRE WOUND RE-<br>SISTOR, 1-1 MEGOHMS COMPOSITION RESIS-<br>TOR.<br>5/18/45 T-607806-507 T-607806-507<br>JUN. 45 REV. 2                       |                    |                               |
| CW-53313 FSF<br>FILTER NETWORK:<br>450 TO 520 KC.<br>5/10/45 D-171495 BL-109237-2<br>JUN. 45 ISS. 1   |                    |                               | CW-53321 ESO<br>RF FILTER<br>POWER LINE FILTER. PASSES FREQUENCIES UP<br>TO 3KC AND SUPPRESSES FREQUENCIES FROM<br>300 KC TO 20 MC.<br>5/10/45 D171491<br>JUN. 45 |                    |                               | CADF-53329 RDZ<br>HIGH PASS FILTER CIRCUIT<br>3500 CYCLE CUT OFF. CONSISTS OF 3 COILS<br>CONNECTED TO COMMON TERMINAL WHICH IS<br>CONNECTED TO CAN. COILS (1-4) AND (2-4)<br>EACH RATED 2.8 HENRIES INDUCTANCE WITH<br>2400 TURNS OF #36 WIRE, COIL (3-4) RATED<br>1.6 HENRIES INDUCTANCE WITH 1900 TURNS<br>5/18/45 CH:M-374-1<br>MAY 45 SUB. 3 |                    |                               |

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**CADF- 53329**  
 OF #35 WIRE, ENCLOSED IN METAL CAN. CASE COMPOUND FILLED. HERMETICALLY SEALED. INDUCTANCE MEASURED AT 1000 C.P.S. 5V AC. NO DC IN COIL.

**CW- 53334**  
 ANALYZER #2.

**CW- 53340** SL  
 FILTER ASSEMBLY:  
 CONSISTS OF JACK (N.T.-49154), 1 CERAMIC DIELECTRIC 1000 MMF CAPACITOR, 1 CERAMIC DIELECTRIC 3000 MMF CAPACITOR EACH HAVING TEMP COEF. 470 X 0.000001, COIL HAVING 58 TURNS OF #30EN COPPER WIRE, 0.84666 OHMS DC RES.  
 5/28/45 D-150703 ES-697684  
 JUN. 45 ISS 6

**CADF- 53330** RDZ  
 LOW PASS FILTER CIRCUIT 350 CYCLES CUT OFF. CONSISTS OF 2 COILS CONNECTED TO A COMMON TERMINAL. EACH COIL RATED 0.8 HENRIES INDUCTANCE, 1510 TURNS OF #34 EN COPPER WIRE. INDUCTANCE MEASURED AT 1000 C.P.S. 5V AC. NO DC IN COIL. ENCLOSED IN METAL CAN. CASE COM-5/19/45 CNA:M-375-1 MAY 45 SUB. 4

**CW- 53335** QLA  
 ANALYZER #2  
 CONTAINS TEN BAND-PASS FILTERS COVERING THE 1250 CPS-2000 CPS FREQ. RANGE WITH ASSOCIATED DETECTORS AND ELECTRONIC SWITCH AND A CATHODE FOLLOWER OUTPUT STAGE. EACH FILTER HAS PASS BAND 75 CPS WIDE. WORKS WITH AND RECEIVES POWER FROM 5/24/45 CNA:ASXX-35002 JUN. 45 ISSUE 3

**CHC- 53341** RBG,RBG-1  
 COUPLING CRYSTAL FILTER  
 ASSEMBLY: COMPRISED OF FOLLOWING COMPONENTS ASSEMBLED IN CAN. RESONATOR, 1-1.5 TO 5.0 MMF MICA TRIMMER CAPACITOR VARIABLE AIR DUAL STATOR, 1-120 MMF SILVER MICA CAP. 2-100 MMF MOLDED MICA CAP. 1-85 MMF MOLDED SILVER MICA CAP. 1-0.01 5/28/45 SA-768 SA-768 JUN. 45

**CADF- 53330**  
 POUND FILLED. HERMETICALLY SEALED.

**CW- 53335**  
 TYPE -53334 ANALYZER #1.

**CHC- 53341**  
 MFD. MOLDED MICA CAP; 1-25 OHMS 1/2 WATT. 1-50 OHMS. 1-300 OHMS. 1-2000 OHMS. 1-10,000 OHMS 1/2 WATT RESISTORS. ROTARY WAFER SWITCH. CRYSTAL FILTER PLATE COIL CRYSTAL FILTER GRID COIL.

**CAZD- 53331** RDC-1  
 LINE FILTER ASSEMBLY  
 CAPACITATIVE INPUT & OUTPUT. CONSISTS OF 4 COILS IN A SERIES PARALLEL ARRANGEMENT. 2 IN SERIES AND THE COMBINATION OF 2 IN PARALLEL; SIX 600 MMF, 500V. CERAMIC CAPACITORS IN A SERIES-PARALLEL ARRANGEMENT WITH 2 IN SERIES. & THE 3 COM-5/22/45 53C091 JUN. 45 CHL:53C091-C

**CFW- 53336** BDI  
 FILTER:  
 TUNED TO 10 KC. TWO IDENTICAL COILS RATED 1975 TURNS OF 32SCE WIRE 110 OHMS RESISTANCE. 2 CAPACITORS OF 2350, MMFD. SILVER MICA. INDUCTANCE 123 MILLIHENRIES IRON CORE.  
 @CFW:UNIT #6 OF #5671 CBM:959-59 5/26/45 @SEE ABOVE CBM:959-59 JUN. 45 ALT 0

**CSL- 53342** NXR-93903  
 FILTER ASSEMBLY:  
 RATED 10 AMP 115V AC. 600V DC. DUAL PI SECTION COMPOSED OF TWO 20 MICROHENRIES COILS; A 1 MFD, 115V AC, 600V DC PAPER CAPACITOR; AND A 2 MFD, 115V AC, 600V DC PAPER CAPACITOR. OPERATES BETWEEN 150 KC AND 150 MC. ENTIRE UNIT IS HER-5/31/45 EN-154 CSL:F6738 JUN. 45 ISSUE B

**CAZD- 53331**  
 BINATION OF 2 IN PARALLEL AT ENDS OF EACH COIL, SHIELDED. FREQUENCY 120 C.P.S.

**CFW- 53337** BDI  
 FILTER:  
 TUNED TO PASS 7 KC. TWO IDENTICAL COILS EACH RATED 1975 TURNS OF 32SCE WIRE, 110 OHMS DC RESISTANCE. 2 CAPACITORS 2450 MMFD, SILVERED MICA. 123 MILLIHENRIES. IRON CORE.  
 @CFW:UNIT #5 OF #5671 CBM:959-60 5/26/45 @SEE ABOVE CBM:959-60 JUN. 45 ALT 0

**CSL- 53342**  
 METICALLY SEALED IN A METAL CAN.

**CW- 53332** SL-1  
 R.C. DELAY NETWORK  
 INCLUDES JAN TYPE CAPACITOR CM30A332M. NAVY TYPE CEE-40199 THERMOSTAT, AND A HEATER CONSISTING OF TWO COILS OF 59 TURNS #36 NICHROME WIRE ON INSULATOR. ASSEMBLED IN A CYLINDRICAL CAN WITH COVER.  
 5/24/45 D-151767 80-13643 JUN. 45 ISS. 5

**CTH- 53338** BDI  
 POWER FILTER:  
 INDUCTANCE 5 HENRIES. ONE COIL RATED 2400 #28E WIRE, 80 OHMS DC RESISTANCE. CURRENT 200 MILLIAMPS. IRON CORE.  
 5/26/45 CTH:T-67C45 CBM#9178 JUN. 45 REV. 0

**CSL- 53343** NXR-93903  
 FILTER ASSEMBLY:  
 RATED 10 AMP 115V AC. 500V DC. SINGLE PI SECTION COMPOSED OF TWO 0.6 MFD, 115V AC, 600V DC PAPER CAPACITORS; AND A 15 MICROHENRIES COIL. OPERATES BETWEEN 150 KC AND 150 MC. SIMILAR TO -53288 EXCEPT EXTERNAL MOUNTING.  
 5/31/45 EN-155 CSL:F6741 JUN. 45 ISSUE A

**CRY- 53333** RBP  
 INPUT CIRCUIT ASSEMBLY  
 ASSEMBLY INCLUDES R.F. COIL, 1-140 MMF. VARIABLE AIR CAPACITOR, 2-5600 MMFD. MICA CAPACITORS, 1-100,000 OHMS 1/2 WATT RESISTOR, MOUNTED IN BRASS FRAME.  
 5/24/45 M-417035-501 M-417035-501 JUN. 45 REV. 2

**CW- 53339** SL  
 NETWORK FILTER:  
 IMPEDANCE 50 OHMS (SURGE) PULSE LENGTH 1 1/2 MICROSEC. TEST VOLTAGE 17,000 OC BETWEEN TERMINALS AND CASE. CONSISTS OF 2 CAPACITOR CONNECTED TO OBTAIN CAPACITIES FOR EACH AS FOLLOWS: 3543 MMF MAX. 3207 MMF MIN. TOTAL CAPACITY (4X5375)  
 5/28/45 D-164721 SL-103205 JUN. 45 ISS. 1

**CW- 53334** QLA  
 ANALYZER #1  
 CONTAINS BUILT-IN POWER SUPPLY OPERATING FROM 115/160 AND TEN BAND-PASS FILTERS COVERING THE 500 CPS-1250 CPS FREQUENCY RANGE WITH ASSOCIATED DETECTORS AND ELECTRONIC SWITCH. EACH FILTER HAS PASS BAND 75 CPS WIDE. WORKS WITH TYPE -53335 5/24/45 CNA:ASXX-35002 JUN. 45 ISSUE 3

**CW- 53339**  
 SHALL BE WITHIN ±5% OF NOM. COIL CONSISTING OF 4 WINDINGS IN SAME DIRECTION EACH HAVING 32 TURNS OF 20 GA WIRE. INDUCTANCE AT 100 KC. 8.36 MICROHENRY MAX. 7.72 MICROHENRY MIN 0.073 MAX. DC RES. CASE IS OIL FILLED AND SEALED.

| DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | ASSIGNED ISSUED | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER | ASSIGNED ISSUED | DATE | MANUFACTURER'S DESIGNATION | MANUFACTURER'S DRAWING NUMBER |
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