

EQUIPMENT

R390A/URR (N-6-00182)(E)

R390A/URR(21582-PC-61)

R-390A/URR(U2428-PC-50)

R-390A/URR(U214-PH-51)

DEPARTMENT OF THE ARMY

U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY

FORT MONMOUTH NEW JERSEY

DRAWING AND DATA LIST

THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS

| SYM | REVISIONS            | AUTH        |
|-----|----------------------|-------------|
| N   | REVISED<br>27 SEP 67 | FC-2<br>RMB |

TITLE

NUMBER

REV. SYM.

## ELECTRONICS COMMAND DRAWINGS

|   |   |   |   |                                    |             |     |
|---|---|---|---|------------------------------------|-------------|-----|
| * | * | * | * | METER TEST JIG                     | SC-C-6587   | B   |
| * | * | * | * | STD. CYCLE FOR MOISTURE RES. TESTS | SC-B-16286  | C   |
| * | * | * | * | GEAR                               | SM-C-85357  | A   |
| * | * | * | * | TERMINAL                           | SM-B-85398  |     |
| * | * | * | * | HANDLE                             | SM-C-170492 | D   |
| * | * | * | * | CLAMP                              | SM-B-170763 | A   |
| * | * | * | * | WASHER                             | SM-B-170787 |     |
| * | * | * | * | WASHER                             | SM-B-170788 |     |
| * | * | * | * | WASHER                             | SM-B-170789 | A   |
| * | * | * | * | NUT                                | SM-B-170815 | B   |
| * | * | * | * | SPRING                             | SM-B-170817 | A   |
| * | * | * | * | WASHER                             | SM-B-170822 | A   |
| * | * | * | * | FORM                               | SM-B-178374 | A   |
| * | * | * | * | WASHER                             | SM-B-178411 | A   |
| * | * | * | * | CLAMP                              | SM-B-178414 | D   |
| * | * | * | * | COUPLER                            | SM-B-178433 | A   |
| * | * | * | * | SWITCH                             | SM-B-178480 | A   |
| * | * | * | * | SPRING                             | SM-B-178481 | A   |
| * | * | * | * | WASHER                             | SM-B-178483 | A   |
| * | * | * | * | CLAMP                              | SM-B-178486 | C   |
| * | * | * | * | INSULATOR                          | SM-B-178491 | A   |
| * | * | * | * | GUIDE                              | SM-C-178492 | D   |
| * | * | * | * | SHAFT                              | SM-B-178493 | A   |
| * | * | * | * | STRIP                              | SM-B-178502 | A   |
| * | * | * | * | CHOKE                              | SM-C-178505 | B C |

DRWN: M.T. CHKD: EAU USED ON: MIL-R-13947

SC-DL- SC-DL-248775

APPD: PNF REVD: PNF

RECEIVER, RADIO R-390 ( )/URR

SHEET- 1 OF 36

DATE: 9 MAY 58

CODE IDENT 80063

214-PH-51

|           |                                                                                                              |                                                                                                                                              |  |     |                      |                         |
|-----------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----------------------|-------------------------|
| EQUIPMENT | R-390A/URR (N-6-00189(E))<br>R-390A/URR (21582-PC-6)<br>R-390A/URR (42428-PC-59)<br>R-390A/URR (14214-PH-51) | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                          |  | SYM | REVISIONS            | AUTH                    |
|           |                                                                                                              | <b>DRAWING AND DATA LIST</b>                                                                                                                 |  | N   | REVISED<br>27 SEP 67 | <i>FC</i><br><i>AMB</i> |
|           |                                                                                                              | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |  |     |                      |                         |

|   |   | TITLE         | NUMBER      | REV. | SYM. |
|---|---|---------------|-------------|------|------|
| * | * | BRACKET       | SM-C-178506 | C    |      |
| * | * | SPRING        | SM-B-178508 | A    |      |
| * | * | NUT           | SM-B-178533 | A    |      |
| * | * | RELAY         | SM-C-178572 | A    |      |
| * | * | SWITCH        | SM-C-178599 | C    |      |
| * | * | COUPLING ASSY | SM-B-178665 | A    |      |
| * | * | COUPLING      | SM-C-178666 | D    |      |
| * | * | SPRING        | SM-B-178699 | B    | C    |
| * | * | GEAR          | SM-C-178700 | C    |      |
| * | * | GEAR          | SM-B-178701 | A    |      |
| * | * | GEAR          | SM-B-178702 | B    |      |
| * | * | GEAR          | SM-B-178707 | B    |      |
| * | * | NUT           | SM-B-178712 | A    |      |
| * | * | PIN           | SM-B-178723 |      |      |
| * | * | DISC          | SM-B-178729 | B    | C    |
| * | * | GEAR          | SM-C-178730 | C    |      |
| * | * | POST          | SM-B-178732 | A    |      |
| * | * | PIN           | SM-B-178736 | A    |      |
| * | * | SHAFT         | SM-B-178738 |      |      |
| * | * | ROLLER        | SM-B-178739 | A    |      |
| * | * | SHAFT         | SM-B-178744 |      |      |
| * | * | GEAR ASSY     | SM-B-178752 |      |      |
| * | * | GEAR          | SM-C-178753 | A    |      |
| * | * | GEAR          | SM-B-178755 | A    |      |
| * | * | SPRING        | SM-B-178766 | A    |      |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL: SC-DL-248775 |
| APPD: PKE      | REVD: PKE | RECEIVER, RADIO R-390 ( )/URR | SHEET- 2 OF 36      |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 00063    |
| 14214-PH-51    |           |                               |                     |

|           |  |  |  |                                                                                                     |  |     |                      |                         |
|-----------|--|--|--|-----------------------------------------------------------------------------------------------------|--|-----|----------------------|-------------------------|
| EQUIPMENT |  |  |  | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |  | SYM | REVISIONS            | AUTH                    |
|           |  |  |  |                                                                                                     |  | N   | REVISED<br>27 SEP 67 | <i>EC</i><br><i>142</i> |
|           |  |  |  |                                                                                                     |  |     |                      |                         |

### DRAWING AND DATA LIST

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|   |   |   |   | TITLE     | NUMBER      | REV.         | SYM.     |
|---|---|---|---|-----------|-------------|--------------|----------|
| * | * | * | * | PLATE     | SM-B-178769 | A            |          |
| * | * | * | * | SPRING    | SM-C-178785 | A            |          |
| * | * | * | * | SPRING    | SM-C-178828 | A            |          |
| * | * | * | * | SPRING    | SM-B-178829 | A            |          |
| * | * | * | * | SCREW     | SM-B-178830 | B            |          |
|   |   |   | * | GEAR ASSY | SM-C-178854 |              |          |
| * | * | * | * | GEAR ASSY | SM-C-178855 | C            |          |
| * | * | * | * | GEAR      | SM-B-178856 | C            |          |
| * | * | * | * | SPRING    | SM-B-178857 | <del>B</del> | <i>C</i> |
| * | * | * | * | GEAR ASSY | SM-B-178858 | C            |          |
| * | * | * | * | GEAR      | SM-B-178859 | <del>B</del> | <i>C</i> |
| * | * | * | * | BLANK     | SM-B-178860 | B            |          |
| * | * | * | * | GEAR ASSY | SM-B-178861 |              |          |
| * | * | * | * | BEARING   | SM-B-178862 | A            |          |
| * | * | * | * | GEAR      | SM-B-178863 | <del>A</del> | <i>B</i> |
| * | * | * | * | GEAR ASSY | SM-B-178864 | A            |          |
| * | * | * | * | GEAR      | SM-B-178865 | B            |          |
| * | * | * | * | HUB       | SM-C-178866 | <del>A</del> | <i>B</i> |
| * | * | * | * | GEAR ASSY | SM-B-178867 |              |          |
| * | * | * | * | GEAR      | SM-C-178868 | A            |          |
|   |   |   | * | GEAR ASSY | SM-C-178869 |              |          |
| * | * | * | * | GEAR      | SM-C-178870 | C            |          |
| * | * | * | * | GEAR      | SM-C-178871 | B            |          |
| * | * | * | * | SPRING    | SM-B-178872 | A            |          |
| * | * | * | * | GEAR ASSY | SM-C-178873 | <del>A</del> | <i>B</i> |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: N.T.     | CHKD: EAU | USED ON: MIL-R-12947          | SC-DL- SC-DL-248775 |
| APPD: PNE      | REVD: PNE | RECEIVER, RADIO R-390 ( )/URR | SHEET-3 OF 36       |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |



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FORT MONMOUTH NEW JERSEY

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| N   | REVISED<br>27 SEP 67 | <i>E.C.</i> |

R-390A/URR (N-6-00189(E))  
R-390A/URR(21582-PC-61)  
R-390A/URR(42428-PC-59)  
R-390A/URR(14214-PH-51)

## TITLE

## NUMBER

## REV. SYM.

|   |   |   |   |                                          |                 |                |
|---|---|---|---|------------------------------------------|-----------------|----------------|
| * | * | * | * | RING                                     | SM-B-178939     | C              |
| * | * | * | * | HUB                                      | SM-B-178950     | B              |
| * | * | * | * | GEAR ASSY                                | SM-C-178957     | A              |
| * | * | * | * | GEAR                                     | SM-C-178958     | B              |
| * | * | * | * | GEAR ASSY                                | SM-B-178959     | B              |
| * | * | * | * | GEAR                                     | SM-C-178960     | A              |
| * | * | * | * | GEAR ASSY                                | SM-B-178977     | B              |
| * | * | * | * | HUB ASSY                                 | SM-B-178978     | B              |
| * | * | * | * | HUB                                      | SM-B-178979     | B              |
| * | * | * | * | SWITCH ROTARY                            | SM-A-179024 (3) | <del>B</del> C |
| * | * | * | * | SWITCH ROTARY                            | SM-A-179028 (3) |                |
| * | * | * | * | SWITCH                                   | SM-B-179030     | B              |
| * | * | * | * | STOP                                     | SM-B-179031     | B              |
| * | * | * | * | BRACKET ASSY                             | SM-B-179038     | A              |
| * | * | * | * | BRACKET                                  | SM-B-179039     | A              |
| * | * | * | * | CLAMP                                    | SM-B-179042     | B              |
| * | * | * | * | STUD                                     | SM-B-179043     | B              |
| * | * | * | * | HOUSING ASSY                             | SM-B-179045     |                |
| * | * | * | * | HOUSING                                  | SM-C-179046     | B              |
| * | * | * | * | BRACKET                                  | SM-B-179047     |                |
| * | * | * | * | WASHER                                   | SM-B-179050     | B              |
| * | * | * | * | GEAR                                     | SM-C-179063     | A              |
| * | * | * | * | WASHER                                   | SM-B-188389     | A              |
| * | * | * | * | RECEIVER, RADIO R-390A/URR ASSY          | SM-D-248776     |                |
| * | * | * | * | RECEIVER ASSY (LIMITING DIMEN-<br>SIONS) | SM-D-248782 (2) | A              |

DRWN: M.T. CHKD: EAU

USED ON: MIL-R-13947

SC-DL- SC-DL-248775

APPD: PME REVD: PME

RECEIVER, RADIO R-390 ( )/URR

SHEET-5 OF 36

DATE: 9 MAY 58

CODE IDENT 80063

14214-PH-51



| EQUIPMENT |   |                           |   |   | DEPARTMENT OF THE ARMY                                                                                                                       |             | SYM     | REVISIONS            | AUTH        |
|-----------|---|---------------------------|---|---|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|----------------------|-------------|
|           |   | R-390A/URR (N-6-00189(E)) |   |   | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY                                                                                                |             | N       | REVISED<br>27 SEP 67 | FC-2<br>MFB |
|           |   | R-390A/URR(21582-FC-61)   |   |   | FORT MONMOUTH NEW JERSEY                                                                                                                     |             |         |                      |             |
|           |   | R-390A/URR(42428-FC-59)   |   |   | <b>DRAWING AND DATA LIST</b>                                                                                                                 |             |         |                      |             |
|           |   | R-390A/URR(14214-PH-51)   |   |   | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |             |         |                      |             |
|           |   |                           |   |   | TITLE                                                                                                                                        | NUMBER      | REV.SYM |                      |             |
| *         | * | *                         | * | * | SPRING-GEAR LOADING                                                                                                                          | SM-B-248859 | A       |                      |             |
| *         | * | *                         | * | * | FILTER-MECHANICAL                                                                                                                            | SM-D-248860 | C       |                      |             |
| *         | * | *                         | * | * | FILTER-MECHANICAL                                                                                                                            | SM-D-248861 | D       |                      |             |
| *         | * | *                         | * | * | FILTER-MECHANICAL                                                                                                                            | SM-D-248862 | C       |                      |             |
| *         | * | *                         | * | * | FILTER-MECHANICAL                                                                                                                            | SM-D-248863 | C       |                      |             |
| *         | * | *                         | * | * | POST-RESISTOR                                                                                                                                | SM-B-248864 | A       |                      |             |
| *         | * | *                         | * | * | INSERT-BUSHING                                                                                                                               | SM-B-248865 | C       |                      |             |
| *         | * | *                         | * | * | WASHER                                                                                                                                       | SM-B-248867 | A       |                      |             |
| *         | * | *                         | * | * | STOP-TUNING SHAFT                                                                                                                            | SM-B-248869 | A       |                      |             |
| *         | * | *                         | * | * | WASHER-STOP                                                                                                                                  | SM-B-248870 | A       |                      |             |
| *         | * | *                         | * | * | PLATE-LOCKING                                                                                                                                | SM-B-248871 |         |                      |             |
| *         | * | *                         | * | * | COLLAR-STOP                                                                                                                                  | SM-B-248872 |         |                      |             |
| *         | * | *                         | * | * | COLLAR STOP ASSY                                                                                                                             | SM-B-248873 | A       |                      |             |
| *         | * | *                         | * | * | 70J-3 TUNING WIT                                                                                                                             | SM-C-248874 |         |                      |             |
| *         | * | *                         | * | * | BUSHING CAPTIVE                                                                                                                              | SM-B-248875 | B       |                      |             |
| *         | * | *                         | * | * | SLEEVE-SHAFT                                                                                                                                 | SM-B-248877 | A       |                      |             |
| *         | * | *                         | * | * | SHAFT-EXTENSION                                                                                                                              | SM-B-248878 | C       |                      |             |
| *         | * | *                         | * | * | POST-SHORT                                                                                                                                   | SM-B-248879 | A       |                      |             |
| *         | * | *                         | * | * | POST-LONG                                                                                                                                    | SM-B-248880 | A       |                      |             |
| *         | * | *                         | * | * | SHAFT-TUNING                                                                                                                                 | SM-B-248881 | B       |                      |             |
| *         | * | *                         | * | * | BUSHING-CAM                                                                                                                                  | SM-B-248882 | A       |                      |             |
| *         | * | *                         | * | * | GEAR-HELICAL                                                                                                                                 | SM-B-248883 |         |                      |             |
| *         | * | *                         | * | * | GEAR-HELICAL                                                                                                                                 | SM-B-248884 |         |                      |             |
| *         | * | *                         | * | * | SHAFT-TRIMMER                                                                                                                                | SM-B-248885 |         |                      |             |
| *         | * | *                         | * | * | BRACKET-TRIMMER                                                                                                                              | SM-B-248886 | A       |                      |             |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: N.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248/75 |
| APPD: PKE      | REVD: PKE |                               | SHEET-7 OF 36       |
| DATE: 9 MAY 58 |           | RECEIVER, RADIO R-390 ( )/URR | CODE IDENT 80053    |
| 14214-PH-51    |           |                               |                     |







| EQUIPMENT |   |                           |                         |                         | DEPARTMENT OF THE ARMY                                                                                                                       |                                                                           | SYM          | REVISIONS | AUTH                 |            |
|-----------|---|---------------------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------|-----------|----------------------|------------|
|           |   | R-390A/URR (N-6-00189(E)) | R-390A/URR(21582-PC-61) | R-390A/URR(42428-PC-59) | R-390A/URR(14214-PH-51)                                                                                                                      | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |              | N         | REVISED<br>27 SEP 67 | FC-2<br>MB |
|           |   |                           |                         |                         | <b>DRAWING AND DATA LIST</b>                                                                                                                 |                                                                           |              |           |                      |            |
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|           |   |                           |                         |                         | TITLE                                                                                                                                        | NUMBER                                                                    | REV.         | SYM       |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                    | SM-B-248938                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY-SPUR                                                                                                                               | SM-B-248939                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY - SWITCH DRIVE                                                                                                                     | SM-B-248940                                                               | B            |           |                      |            |
| *         | * | *                         | *                       | *                       | POST ASSY - GEAR                                                                                                                             | SM-B-248941                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                    | SM-B-248942                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                    | SM-B-248943                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                    | SM-B-248944                                                               | B            |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                    | SM-B-248945                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | PLATE ASSY-CAM                                                                                                                               | SM-B-248946                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | BRACKET-CAM PLATE                                                                                                                            | SM-B-248947                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY-CLUTCH                                                                                                                             | SM-B-248948                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | PLA ASSY-CLUTCH                                                                                                                              | SM-B-248949                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | GE ASSY-CLUTCH                                                                                                                               | SM-B-248950                                                               | B            |           |                      |            |
| *         | * | *                         | *                       | *                       | HUB DRIVING SHAFT                                                                                                                            | SM-B-248951                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | GEAR ASSY-MC                                                                                                                                 | SM-B-248952                                                               | B            |           |                      |            |
| *         | * | *                         | *                       | *                       | CAM ASSY-R, F.                                                                                                                               | SM-B-248953                                                               | <del>B</del> |           | C                    |            |
| *         | * | *                         | *                       | *                       | CAM ASSY-R, F.                                                                                                                               | SM-B-248954                                                               | <del>B</del> |           | C                    |            |
| *         | * | *                         | *                       | *                       | SHAFT ASSY-CAM                                                                                                                               | SM-B-248955                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | SHAFT ASSY-CAM                                                                                                                               | SM-B-248956                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | SHAFT ASSY-CAM                                                                                                                               | SM-B-248957                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | SHAFT ASSY-CAM                                                                                                                               | SM-B-248958                                                               | B            |           |                      |            |
| *         | * | *                         | *                       | *                       | SHAFT ASSY-CAM                                                                                                                               | SM-C-248959                                                               | A            |           |                      |            |
| *         | * | *                         | *                       | *                       | STOP ASSY                                                                                                                                    | SM-C-248960                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | STOP ASSY-R, F.                                                                                                                              | SM-C-248961                                                               |              |           |                      |            |
| *         | * | *                         | *                       | *                       | TRIMMER ASSY - R, F.                                                                                                                         | SM-C-248962                                                               | A            |           |                      |            |

|                |           |                               |                    |
|----------------|-----------|-------------------------------|--------------------|
| DRY/N: M.T.    | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL SC-DL-248775 |
| APPD: P/E      | REVD: P/E | RECEIVER, RADIO R-390 ( )/URR | SHEET-10 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063   |
| 14214-PH-51    |           |                               |                    |

| EQUIPMENT |  |  |  |  |  | DEPARTMENT OF THE ARMY                                                                                                                       |                 | SYM  | REVISIONS            | AUTH        |
|-----------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|----------------------|-------------|
|           |  |  |  |  |  | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                                    |                 | N    | REVISED<br>27 SEP 67 | EC-2<br>AMB |
|           |  |  |  |  |  | <b>DRAWING AND DATA LIST</b>                                                                                                                 |                 |      |                      |             |
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|           |  |  |  |  |  | TITLE                                                                                                                                        | NUMBER          | REV. | SYM                  |             |
|           |  |  |  |  |  | * * * * SHIELD ASSY-TRIMMER                                                                                                                  | SM-B-248963     | A    |                      |             |
|           |  |  |  |  |  | * * * * PLATE-AUX. CAM                                                                                                                       | SM-C-248964     |      |                      |             |
|           |  |  |  |  |  | * * * * PLATE-AUX. GEAR                                                                                                                      | SM-C-248965     | A    |                      |             |
|           |  |  |  |  |  | * * * * PLATE ASSY - AUXILIARY GEAR                                                                                                          | SM-C-248966     | B    |                      |             |
|           |  |  |  |  |  | * * * * GEAR ASSY - CLUTCH                                                                                                                   | SM-C-248967     | A    |                      |             |
|           |  |  |  |  |  | * * * * PLATE ASSY-LOCKING                                                                                                                   | SM-C-248968     |      |                      |             |
|           |  |  |  |  |  | * * * * GEAR ASSY-INTERMITTENT                                                                                                               | SM-C-248969     | C    |                      |             |
|           |  |  |  |  |  | * * * * GEAR ASSY-SWITCH                                                                                                                     | SM-C-248970     | B    |                      |             |
|           |  |  |  |  |  | * * * * CAM ASSY-R, F,                                                                                                                       | SM-C-248971     | C    |                      |             |
|           |  |  |  |  |  | * * * * CAM ASSY-R, F,                                                                                                                       | SM-C-248972     | C    |                      |             |
|           |  |  |  |  |  | * * * * CAM ASSY-R, F,                                                                                                                       | SM-C-248973     |      |                      |             |
|           |  |  |  |  |  | * * * * CAM ASSY-R, F,                                                                                                                       | SM-C-248974     |      |                      |             |
|           |  |  |  |  |  | * * * * TRAIN ASSY-GEAR                                                                                                                      | SM-D-248975 (3) |      |                      |             |
|           |  |  |  |  |  | * * * * BRACKET-1ST COVER                                                                                                                    | SM-B-248976     | A    |                      |             |
|           |  |  |  |  |  | * * * * PLATE ASSY-REAR                                                                                                                      | SM-C-248977     |      |                      |             |
|           |  |  |  |  |  | * * * * PLATE-CAM                                                                                                                            | SM-C-248978     |      |                      |             |
|           |  |  |  |  |  | * * * * PLATE-REAR                                                                                                                           | SM-C-248979     | B    |                      |             |
|           |  |  |  |  |  | * * * * PLATE ASSY-CAM                                                                                                                       | SM-C-248980     |      |                      |             |
|           |  |  |  |  |  | * * * * PLATE-FRONT GEAR                                                                                                                     | SM-D-248981     |      |                      |             |
|           |  |  |  |  |  | * * * * PLATE ASSY-FRONT GEAR                                                                                                                | SM-D-248982     |      |                      |             |
|           |  |  |  |  |  | * * * * CHASSIS-POWER SUPPLY                                                                                                                 | SM-D-248983     | A    |                      |             |
|           |  |  |  |  |  | * * * * POWER-SUPPLY ASSY                                                                                                                    | SM-D-248984 (2) | J    |                      |             |
|           |  |  |  |  |  | * * * * CLAMP-CAPACITOR                                                                                                                      | SM-B-248985     |      |                      |             |
|           |  |  |  |  |  | * * * * BOARD ASSY                                                                                                                           | SM-C-248986     | E    |                      |             |
|           |  |  |  |  |  | * * * * BOARD ASSY-TERMINAL                                                                                                                  | SM-B-248987     | A    |                      |             |

DRWN: H.T. CHKD: EAU

USED ON: MIL-R-13947

SC-DL SC-DL-248775

APPD: PHE REVD: PHE

RECEIVED: RADIO R-390 ( )/URR

SHEET- 11 OF 36

DATE: 9 MAY 58

CODE IDENT 80063

14214-PH-51

|           |  |  |  |                                                                                                                                              |  |     |           |      |
|-----------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|--|-----|-----------|------|
| EQUIPMENT |  |  |  | DEPARTMENT OF THE ARMY                                                                                                                       |  | SYM | REVISIONS | AUTH |
|           |  |  |  | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY                                                                                                |  | N   | REVISED   | EC-2 |
|           |  |  |  | FORT MONMOUTH NEW JERSEY                                                                                                                     |  |     | 27 SEP 67 | MB   |
|           |  |  |  | <b>DRAWING AND DATA LIST</b>                                                                                                                 |  |     |           |      |
|           |  |  |  | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |  |     |           |      |

|   |   |   |   | TITLE                | NUMBER          | REV. | SYM |
|---|---|---|---|----------------------|-----------------|------|-----|
| * | * | * | * | PLATE-COVER          | SM-B-248988     |      | A   |
| * | * | * | * | CHASSIS ASSY-AUDIO   | SM-C-248989     |      |     |
| * | * | * | * | CHASSIS-AUDIO        | SM-D-248990 (2) |      | D   |
| * | * | * | * | CABLE ASSY - I, F,   | SM-D-248991     |      | E   |
| * | * | * | * | SHIELD ASSY - I, F,  | SM-B-248992     |      | A   |
|   |   | * | * | SHIELD ASSY - I, F,  | SM-B-248993     |      | A   |
|   |   | * | * | SHIELD I, F,         | SM-C-248994     |      | B   |
|   |   | * | * | SHIELD ASSY I, F,    | SM-B-248995     |      | A   |
| * | * | * | * | BRACKET - I, F,      | SM-C-248996     |      | B   |
| * | * | * | * | BRACKET - B, F, O,   | SM-C-248997     |      | A   |
| * | * | * | * | SHAFT - B, F, O,     | SM-B-248998     |      | B   |
| * | * | * | * | BOARD-TERMINAL       | SM-B-248999     |      | A   |
| * | * | * | * | BOARD ASSY - I, F,   | SM-B-249000     |      |     |
| * | * | * | * | BOARD ASSY - I, F,   | SM-B-249001     |      |     |
| * | * | * | * | BOARD TERMINAL       | SM-B-249002     |      | B   |
| * | * | * | * | BOARD ASSY - I, F,   | SM-B-249003     |      |     |
| * | * | * | * | BOARD ASSY - I, F,   | SM-B-249004     |      | A   |
| * | * | * | * | POST - I, F,         | SM-B-249005     |      | B   |
| * | * | * | * | BRACKET ASSY         | SM-B-249006     |      |     |
| * | * | * | * | OSCILLATOR ASSY-KTAL | SM-D-249007 (3) |      | J   |
|   |   | * | * | SHAFT-SWITCH         | SM-B-249008     |      | A   |
|   |   | * | * | CHASSIS ASSY I, F,   | SM-C-249009     |      |     |
|   |   | * | * | SHIELD - I, F,       | SM-C-249010     |      | A   |
|   |   | * | * | SHIELD - I, F,       | SM-C-249011     |      | A   |
|   |   | * | * | COVER-FILTER         | SM-C-249012     |      | C   |

|                |           |                               |                    |
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| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL SC-DL-248775 |
| APPD: PTE      | REVD: PTE | RECEIVER, RADIO R-390 ( )/URR | SHEET-12 OF 35     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063   |
| 14214-PH-51    |           |                               |                    |



| EQUIPMENT |   |   |                           |                         | DEPARTMENT OF THE ARMY<br>U.S. ARMY SIGNAL MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                               |                         | SYM       | REVISIONS            | AUTH           |
|-----------|---|---|---------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|----------------------|----------------|
|           |   |   | R-390A/URR (N-6-00189(E)) | R-390A/URR(21582-FC-6L) | R-390A/URR(42428-FC-59)                                                                                                                      | R-390A/URR(14214-PH-51) | N         | REVISED<br>27 SEP 67 | SC-2<br>AMB    |
|           |   |   |                           |                         | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                         |           |                      |                |
|           |   |   |                           |                         | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                         |           |                      |                |
|           |   |   |                           |                         | TITLE                                                                                                                                        | NUMBER                  | REV. SYM. |                      |                |
| *         | * | * | *                         | *                       | BOARD ASSY-CRYSTAL RETAINER                                                                                                                  | SM-B-249038             |           |                      | B              |
| *         | * | * | *                         | *                       | WASHER-SPECIAL                                                                                                                               | SM-B-249039             |           |                      | A              |
| *         | * | * | *                         | *                       | POST-SPACING                                                                                                                                 | SM-B-249040             |           |                      | A              |
| *         | * | * | *                         | *                       | CAN-OVEN                                                                                                                                     | SM-C-249041             |           |                      | A              |
| *         | * | * | *                         | *                       | SHIELD-OVEN ASSY                                                                                                                             | SM-D-249042             |           |                      | C              |
| *         | * | * | *                         | *                       | CHASSIS ASSY-XTAL OSC.                                                                                                                       | SM-C-249043             |           |                      |                |
| *         | * | * | *                         | *                       | CHASSIS-XTAL OSC ASSY                                                                                                                        | SM-D-249044 (2)         |           |                      | <del>B</del> B |
| *         | * | * | *                         | *                       | OVEN ASSY-CRYSTAL OSC                                                                                                                        | SM-C-249045             |           |                      | A              |
| *         | * | * | *                         | *                       | CABLE ASSY - R.F.                                                                                                                            | SM-D-249046             |           |                      | B              |
| *         | * | * | *                         | *                       | RACK-HIGH                                                                                                                                    | SM-C-249047             |           |                      | C              |
| *         | * | * | *                         | *                       | BRACKET-PLUG ASSY                                                                                                                            | SM-C-249048             |           |                      | C              |
| *         | * | * | *                         | *                       | EYELET-SPECIAL                                                                                                                               | SM-B-249049             |           |                      | A              |
| *         | * | * | *                         | *                       | PLATE-ADJUSTING                                                                                                                              | SM-B-249050             |           |                      |                |
| *         | * | * | *                         | *                       | SHAFT-R. F. SWITCH                                                                                                                           | SM-B-249051             |           |                      | A              |
| *         | * | * | *                         | *                       | SHIELD-ANT COIL                                                                                                                              | SM-B-249052             |           |                      |                |
| *         | * | * | *                         | *                       | CAN                                                                                                                                          | SM-B-249053             |           |                      | A              |
| *         | * | * | *                         | *                       | CAN-SHIELD                                                                                                                                   | SM-B-249054             |           |                      | A              |
| *         | * | * | *                         | *                       | RACK-LOW                                                                                                                                     | SM-C-249055             |           |                      | D              |
| *         | * | * | *                         | *                       | LINK                                                                                                                                         | SM-B-249056             |           |                      | B              |
| *         | * | * | *                         | *                       | RACK ASSY-LOW                                                                                                                                | SM-B-249057             |           |                      |                |
| *         | * | * | *                         | *                       | RACK ASSY-HIGH                                                                                                                               | SM-B-249058             |           |                      |                |
| *         | * | * | *                         | *                       | RACK ASSY-1, F.                                                                                                                              | SM-C-249059             |           |                      |                |
| *         | * | * | *                         | *                       | RACK ASSY-1, F.                                                                                                                              | SM-C-249060             |           |                      |                |
| *         | * | * | *                         | *                       | FRAME ASSY-1, F.                                                                                                                             | SM-B-249061             |           |                      |                |
| *         | * | * | *                         | *                       | FRAME ASSY-COIL                                                                                                                              | SM-B-249062             |           |                      |                |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: P/E      | REVD: P/E | RECEIVER, RADIO R-390 ( )/URR | SHEET- 14 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |



| EQUIPMENT                                                                                                                                    |   |   |                           |                         | DEPARTMENT OF THE ARMY<br>U.S. ARMY SIGNAL MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |                 | SYM                  | REVISIONS   | AUTH |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|---|---------------------------|-------------------------|------------------------------------------------------------------------------------------------|-----------------|----------------------|-------------|------|
|                                                                                                                                              |   |   | R-390A/URR (N-6-00189(F)) | R-390A/URR(21582-PC-61) |                                                                                                |                 | REVISED<br>27 SEP 67 | SC-2<br>AMP |      |
|                                                                                                                                              |   |   | R-390A/URR(42428-PC-59)   | R-390A/URR(14214-PH-51) | <b><u>DRAWING AND DATA LIST</u></b>                                                            |                 |                      |             |      |
| THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |   |   |                           |                         | TITLE                                                                                          | NUMBER          | REV.                 | SYM         |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-ANT,                                                                                 | SM-D-249088     |                      | D           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-ANT,                                                                                 | SM-D-249089     |                      | D           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-ANT,                                                                                 | SM-D-249090     |                      | D           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-ANT,                                                                                 | SM-D-249091     |                      | E           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249092     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249093     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249094     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249095     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249096     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-R, F,                                                                                | SM-D-249097     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-I, F,                                                                                | SM-D-249098     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COIL ASSY-I, F,                                                                                | SM-D-249099     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | CHASSIS ASSY - R, F,                                                                           | SM-D-249100 (2) |                      | E           |      |
| *                                                                                                                                            | * | * | *                         | *                       | RCVR RAD R-390A/URR WIRING ASSY<br>(RF UNIT)                                                   | SM-B-249101 (2) |                      | E           |      |
| *                                                                                                                                            | * | * | *                         | *                       | CHASSIS - R, F, ASSY                                                                           | SM-D-249102 (5) |                      | D           |      |
| *                                                                                                                                            | * | * | *                         | *                       | CABLE ASSY-MAIN FRAME                                                                          | SM-D-249103 (3) |                      | D           |      |
| *                                                                                                                                            | * | * | *                         | *                       | BRACKET-RELAY                                                                                  | SM-C-249104     |                      | A           |      |
| *                                                                                                                                            | * | * | *                         | *                       | COVER                                                                                          | SM-B-249105     |                      | A           |      |
| *                                                                                                                                            | * | * | *                         | *                       | STOP-KNOB                                                                                      | SM-B-249106     |                      |             |      |
| *                                                                                                                                            | * | * | *                         | *                       | SHAFT-ADJUSTABLE                                                                               | SM-B-249107     |                      |             |      |
| *                                                                                                                                            | * | * | *                         | *                       | BRACKET - V, F, O,                                                                             | SM-B-249108     |                      | A           |      |
| *                                                                                                                                            | * | * | *                         | *                       | HANDLE-WRENCH                                                                                  | SM-B-249109     |                      | C           |      |
| *                                                                                                                                            | * | * | *                         | *                       | PLATE-ADJ,                                                                                     | SM-B-249110     |                      |             |      |
| *                                                                                                                                            | * | * | *                         | *                       | BUSHING                                                                                        | SM-B-249111     |                      |             |      |
| *                                                                                                                                            | * | * | *                         | *                       | BOARD ASSY-CIRCUIT                                                                             | SM-C-249112     |                      | B           |      |

DRWN: M, T, CHKD: EAU USED ON: MIL-R-13947 SC-DL-SC-DL-248775  
 APPD: PME REVD: PME RECEIVER, RADIO R-390 ( )/URR SHEET-16 OF 36  
 DATE: 9 MAY 58 CODE IDENT 80063  
 14214-PH-51





| EQUIPMENT |   |   |                           |                         |                         | DEPARTMENT OF THE ARMY<br>U.S. ARMY SIGNAL MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                          |                 | SYM      | REVISIONS            | AUTH        |
|-----------|---|---|---------------------------|-------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|----------------------|-------------|
|           |   |   | R-390A/URR (N-6-00189(E)) | R-390A/URR(21582-FC-61) | R-390A/URR(42428-PC-59) | R-390A/URR(14214-PH-51)                                                                                                                                 |                 | N        | REVISED<br>27 SEP 67 | FC-2<br>AMB |
|           |   |   |                           |                         |                         | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                                     |                 |          |                      |             |
|           |   |   |                           |                         |                         | THIS DRAWING AND DRAWINGS AND PUBLICA-<br>TIONS REFERENCED AND THEIR SUBSIDIARIES,<br>IF ANY, CONSTITUTE ALL THE NECESSARY<br>DATA RELATING TO DRAWINGS |                 |          |                      |             |
|           |   |   |                           |                         |                         | TITLE                                                                                                                                                   | NUMBER          | REV. SYM |                      |             |
| *         | * | * | *                         | *                       | *                       | COVER-R, F,                                                                                                                                             | SM-D-249143 (3) | C        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAM ASSY-R, F,                                                                                                                                          | SM-C-249144     | C        |                      |             |
| *         | * | * | *                         | *                       | *                       | GEAR-SPUR                                                                                                                                               | SM-B-249145     | A        |                      |             |
| *         | * | * | *                         | *                       | *                       | GEAR ASSY                                                                                                                                               | SM-B-249146     | A        |                      |             |
| *         | * | * | *                         | *                       | *                       | CLAMP                                                                                                                                                   | SM-B-249148     | A        |                      |             |
|           |   |   | *                         | *                       | *                       | HOUSING ASSY-COUNTER                                                                                                                                    | SM-C-249149     |          |                      |             |
|           |   |   | *                         | *                       | *                       | KET-SQUELCH                                                                                                                                             | SM-C-249150     |          |                      |             |
| *         | * | * | *                         | *                       | *                       | CKT-PANEL HD, MA, PL, NO,<br>MP-1064                                                                                                                    | SM-C-249151     |          |                      |             |
| *         | * | * | *                         | *                       | *                       | BOARD ASSY-TERMINAL                                                                                                                                     | SM-D-249152     | E        |                      |             |
| *         | * | * | *                         | *                       | *                       | CLIP-PLUG                                                                                                                                               | SM-C-249153     | E        |                      |             |
| *         | * | * | *                         | *                       | *                       | SPRING-GROUNDING                                                                                                                                        | SM-B-249154     |          |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL - A                                                                                                                                            | SM-B-149155     |          |                      |             |
| *         | * | * | *                         | *                       | *                       | SPACER ASSY                                                                                                                                             | SM-B-249156     | A        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249157     | A        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249158     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249159     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249160     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249161     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249162     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249163     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249164     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249165     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249166     | B        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249167     | C        |                      |             |
| *         | * | * | *                         | *                       | *                       | CAN MARKED                                                                                                                                              | SM-B-249168     | B        |                      |             |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL: SC-DL-248775 |
| APPD: PME      | REVD: PME | RECEIVER, RADIO R-390 ( )/URR | SHEET- 18 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |

|           |  |                           |  |                                                                                                |  |     |                      |             |
|-----------|--|---------------------------|--|------------------------------------------------------------------------------------------------|--|-----|----------------------|-------------|
| EQUIPMENT |  |                           |  | DEPARTMENT OF THE ARMY<br>U.S. ARMY SIGNAL MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |  | SYM | REVISIONS            | AUTH        |
|           |  | R-390A/URR (N-6-00189(E)) |  |                                                                                                |  | N   | REVISED<br>27 SEP 67 | EC-2<br>AMG |
|           |  | R-390A/URR(21582-PC-61)   |  |                                                                                                |  |     |                      |             |
|           |  | R-390A/URR(42428-PC-59)   |  |                                                                                                |  |     |                      |             |
|           |  | R-390A/URR(14214-PH-51)   |  |                                                                                                |  |     |                      |             |

### DRAWING AND DATA LIST

THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS

|   |   |   |   | TITLE                         | NUMBER      | REV. | SYM |
|---|---|---|---|-------------------------------|-------------|------|-----|
| * | * | * | * | CAN MARKED                    | SM-B-249169 | B    |     |
| * | * | * | * | CAN MARKED                    | SM-B-249170 | B    |     |
| * | * | * | * | FORM-COIL                     | SM-B-249171 | B    |     |
| * | * | * | * | INSERT-KNOB                   | SM-B-249186 | B    |     |
| * | * | * | * | STUD-SWITCH                   | SM-B-249187 |      |     |
| * | * | * | * | SHAFT ASSY                    | SM-B-249188 |      |     |
| * | * | * | * | SPACER                        | SM-B-249189 | B    |     |
| * | * | * | * | RCVR RAD R-390A/URR SCHEMATIC | SM-J-249190 | C    |     |
| * | * | * | * | DIA.                          |             |      |     |
| * | * | * | * | BUSHING                       | SM-B-249194 | A    |     |
| * | * | * | * | COUNTER-MECHANICAL            | SM-C-249195 | F    |     |
| * | * | * | * | COUPLING-SHAFT                | SM-B-249196 | A    |     |
| * | * | * | * | WRENCH                        | SM-B-249197 |      |     |
| * | * | * | * | BRACKET-CAPACITOR             | SM-B-249199 | A    |     |
| * | * | * | * | CLAMP-CABLE                   | SM-B-249200 | A    |     |
| * | * | * | * | CLAMP-CABLE                   | SM-B-249201 |      |     |
| * | * | * | * | CLAMP-CABLE                   | SM-B-249202 |      |     |
| * | * | * | * | CLAMP-CABLE                   | SM-B-249203 |      |     |
| * | * | * | * | MARKER-CABLE                  | SM-B-249204 |      |     |
| * | * | * | * | CLAMP-CABLE                   | SM-B-249205 |      |     |
| * | * | * | * | CAN-SHIELD                    | SM-B-249208 |      |     |
| * | * | * | * | TUBING                        | SM-C-249213 |      |     |
| * | * | * | * | TUBING                        | SM-B-249214 | A    |     |
| * | * | * | * | CHOKE - R. F.                 | SM-C-249216 | D    |     |
| * | * | * | * | CHOKE - R. F.                 | SM-C-249217 | A    |     |
| * | * | * | * | CHOKE - R. F.                 | SM-C-249218 | B    |     |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PHE      | REVD: PHE | RECEIVER, RADIO R-390 ( )/URR | SHEET- 19 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |



| EQUIPMENT |   |   |                           |                         |                         | DEPARTMENT OF THE ARMY<br>U.S. ARMY SIGNAL MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                               |             | SYM       | REVISIONS            | AUTH        |
|-----------|---|---|---------------------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|----------------------|-------------|
|           |   |   | R-390A/URR (N-6-00189(E)) | R-390A/URR(21582-PC-61) | R-390A/URR(42428-PC-59) | R-390A/URR(14214-PH-51)                                                                                                                      |             | N         | REVISED<br>27 SEP 67 | EC-2<br>AMB |
|           |   |   |                           |                         |                         | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |             |           |                      |             |
|           |   |   |                           |                         |                         | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |             |           |                      |             |
|           |   |   |                           |                         |                         | TITLE                                                                                                                                        | NUMBER      | REV. SYM. |                      |             |
| *         | * | * | *                         | *                       | *                       | CORE - FERRITE                                                                                                                               | SM-C-249245 | B         |                      |             |
| *         | * | * | *                         | *                       | *                       | CRYSTAL-QUARTZ                                                                                                                               | SM-B-249247 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | SWITCH-THERMOSTATIC                                                                                                                          | SM-B-249248 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | OVEN-XTAL                                                                                                                                    | SM-C-249249 | B         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249250 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249251 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | SHEATH-TERMINATING                                                                                                                           | SM-B-249252 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249253 | B         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249254 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249255 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249256 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-SOLDER                                                                                                                              | SM-B-249257 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-249258 | C         |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-249259 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-249261 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET                                                                                                                                        | SM-B-249262 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-249263 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-249264 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249265 | C         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL                                                                                                                                     | SM-B-249266 |           |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249267 | B         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249268 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249269 | A         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249270 | C         |                      |             |
| *         | * | * | *                         | *                       | *                       | TERMINAL-INSULATED                                                                                                                           | SM-B-249271 | B         |                      |             |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PME      | REVD: PME | RECEIVER, RADIO R-390 ( )/URR | SHEET- 21 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |

| EQUIPMENT      |  |           |  |                               | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICSMATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                      |             | SYM                 | REVISIONS            | AUTH        |
|----------------|--|-----------|--|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|----------------------|-------------|
|                |  |           |  |                               |                                                                                                                                                         |             | N                   | REVISED<br>27 SEP 67 | EC-2<br>AMB |
|                |  |           |  |                               | <b>DRAWING AND DATA LIST</b>                                                                                                                            |             |                     |                      |             |
|                |  |           |  |                               | THIS DRAWING AND DRAWINGS AND PUBLICA-<br>TIONS REFERENCED AND THEIR SUBSIDIARIES,<br>IF ANY, CONSTITUTE ALL THE NECESSARY<br>DATA RELATING TO DRAWINGS |             |                     |                      |             |
|                |  |           |  |                               | TITLE                                                                                                                                                   | NUMBER      | REV.SYM             |                      |             |
|                |  |           |  |                               | * EYELET                                                                                                                                                | SM-B-249273 |                     |                      |             |
|                |  |           |  |                               | * EYELET                                                                                                                                                | SM-B-283150 |                     |                      |             |
|                |  |           |  |                               | * EYELET                                                                                                                                                | SM-B-283151 |                     |                      |             |
|                |  |           |  |                               | * EYELET                                                                                                                                                | SM-B-283152 |                     |                      | B           |
|                |  |           |  |                               | * EYELET                                                                                                                                                | SM-B-283153 |                     |                      | A           |
|                |  |           |  |                               | * BEARING                                                                                                                                               | SM-B-283154 |                     |                      |             |
|                |  |           |  |                               | * BEARING                                                                                                                                               | SM-B-283155 |                     |                      |             |
|                |  |           |  |                               | * BEARING                                                                                                                                               | SM-C-283156 |                     |                      |             |
|                |  |           |  |                               | * BEARING                                                                                                                                               | SM-B-283157 |                     |                      |             |
|                |  |           |  |                               | * BEARING                                                                                                                                               | SM-B-283158 |                     |                      |             |
|                |  |           |  |                               | * PIN                                                                                                                                                   | SM-B-283159 |                     |                      |             |
|                |  |           |  |                               | * PIN                                                                                                                                                   | SM-B-283160 |                     |                      |             |
|                |  |           |  |                               | * PIN                                                                                                                                                   | SM-B-283161 |                     |                      | A           |
|                |  |           |  |                               | * ROLL PIN                                                                                                                                              | SM-B-283162 |                     |                      |             |
|                |  |           |  |                               | * BOLT-SPADE                                                                                                                                            | SM-B-283163 |                     |                      | A           |
|                |  |           |  |                               | * NUT-STOP                                                                                                                                              | SM-B-283164 |                     |                      | A           |
|                |  |           |  |                               | * NUT-STOP                                                                                                                                              | SM-B-283165 |                     |                      |             |
|                |  |           |  |                               | * NUT-INSERT, CAPTIVE                                                                                                                                   | SM-C-283166 |                     |                      | A           |
|                |  |           |  |                               | * NUT-LOCKING                                                                                                                                           | SM-B-283167 |                     |                      | A           |
|                |  |           |  |                               | * NUT INSERT, CAPTIVE                                                                                                                                   | SM-B-283168 |                     |                      | D           |
|                |  |           |  |                               | * SCREW-SET                                                                                                                                             | SM-B-283169 |                     |                      |             |
|                |  |           |  |                               | * SCREW-SET                                                                                                                                             | SM-B-283170 |                     |                      |             |
|                |  |           |  |                               | * RING-RETAINER                                                                                                                                         | SM-B-283171 |                     |                      | A           |
|                |  |           |  |                               | * RING-RETAINER                                                                                                                                         | SM-B-283172 |                     |                      |             |
|                |  |           |  |                               | * RING-RETAINER                                                                                                                                         | SM-B-283173 |                     |                      |             |
| DRWN: M.T.     |  | CHKD: EAU |  | USED ON: MIL-R-13947          |                                                                                                                                                         |             | SC-DL- SC-DL-248775 |                      |             |
| APPD: PME      |  | REVD: PME |  | RECEIVER, RADIO R-390 ( )/URR |                                                                                                                                                         |             | SHEET-22 OF 36      |                      |             |
| DATE: 9 MAY 58 |  |           |  |                               |                                                                                                                                                         |             | CODE IDENT 80063    |                      |             |
| J4214-PH-51    |  |           |  |                               |                                                                                                                                                         |             |                     |                      |             |







| EQUIPMENT |   |   |                           |                         | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                          |                        | SYM  | REVISIONS            | AUTH         |
|-----------|---|---|---------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|----------------------|--------------|
|           |   |   | R-390A/URR (N-6-00189(E)) | R-390A/URR(21582-PC-61) | R-390A/URR(42428-PC-59)                                                                                                                      | R-390A/URR(4214-PH-51) | N    | REVISED<br>27 SEP 67 | C. E.<br>AMT |
|           |   |   |                           |                         | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                        |      |                      |              |
|           |   |   |                           |                         | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                        |      |                      |              |
|           |   |   |                           |                         | TITLE                                                                                                                                        | NUMBER                 | REV. | SYM                  |              |
| *         | * | * | *                         | *                       | CAPACITOR-VARIABLE                                                                                                                           | SM-B-283233            | B    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-VARIABLE                                                                                                                           | SM-B-283234            | C    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-VARIABLE                                                                                                                           | SM-C-283235            | A    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283236            | A    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283237 (2)        | A    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283238 (2)        | A    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283239            |      |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-C-283240            | B    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-C-283241            |      |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283243            |      |                      |              |
| *         | * | * | *                         | *                       | RELAY-ARMATURE                                                                                                                               | SM-C-283244            | C    |                      |              |
| *         | * | * | *                         | *                       | NAMEPLATE                                                                                                                                    | SM-B-283245            | A    |                      |              |
| *         | * | * | *                         | *                       | PANEL-FRONT                                                                                                                                  | SM-D-283246 (2)        | B    |                      |              |
| *         | * | * | *                         | *                       | CLIP-GROUND                                                                                                                                  | SM-B-283247            | A    |                      |              |
| *         | * | * | *                         | *                       | SPACER                                                                                                                                       | SM-B-283248            | B    |                      |              |
| *         | * | * | *                         | *                       | CLAMP-GEAR                                                                                                                                   | SM-B-283249            | A    |                      |              |
| *         | * | * | *                         | *                       | RING-RETAINER                                                                                                                                | SM-B-283251            | A    |                      |              |
| *         | * | * | *                         | *                       | WASHER                                                                                                                                       | SM-B-283252            | B    |                      |              |
| *         | * | * | *                         | *                       | WASHER                                                                                                                                       | SM-B-283253            | A    |                      |              |
| *         | * | * | *                         | *                       | CAPACITOR-FIXED                                                                                                                              | SM-B-283262            |      |                      |              |
| *         | * | * | *                         | *                       | WINDOW                                                                                                                                       | SM-B-283263            |      |                      |              |
| *         | * | * | *                         | *                       | CONTACT                                                                                                                                      | SM-B-283264            |      |                      |              |
| *         | * | * | *                         | *                       | HOUSING ASSY                                                                                                                                 | SM-C-283265            |      |                      |              |
| *         | * | * | *                         | *                       | RIVET-TUBULAR                                                                                                                                | SM-B-283266            | B    |                      |              |
| *         | * | * | *                         | *                       | BRACKET-ANGLE                                                                                                                                | SM-B-283267            |      |                      |              |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PME      | REVD: PME | RECEIVER, RADIO R-390 ( )/URR | SHEET- 25 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 4214-PH-51     |           |                               |                     |

| EQUIPMENT      |  |           |  |                               | DEPARTMENT OF THE ARMY                                                                                                                                  |             | SYM                 | REVISIONS            | AUTH       |
|----------------|--|-----------|--|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|----------------------|------------|
|                |  |           |  |                               | U.S. ARMY ELECTRONICSMATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                                                |             | N                   | REVISED<br>27 SEP 67 | <i>AMB</i> |
|                |  |           |  |                               | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                                     |             |                     |                      |            |
|                |  |           |  |                               | THIS DRAWING AND DRAWINGS AND PUBLICA-<br>TIONS REFERENCED AND THEIR SUBSIDIARIES,<br>IF ANY, CONSTITUTE ALL THE NECESSARY<br>DATA RELATING TO DRAWINGS |             |                     |                      |            |
|                |  |           |  |                               | TITLE                                                                                                                                                   | NUMBER      | REV.SYM             |                      |            |
|                |  |           |  |                               | * * * * * SUPPORT-CAPACITOR                                                                                                                             | SM-B-283268 | B                   |                      |            |
|                |  |           |  |                               | * * * * * BRACKET-CAPACITOR                                                                                                                             | SM-C-283269 |                     |                      |            |
|                |  |           |  |                               | * * * * * HUB-CAM                                                                                                                                       | SM-B-283270 | A                   |                      |            |
|                |  |           |  |                               | * * * * * HUB-CAM                                                                                                                                       | SM-B-283271 | B                   |                      |            |
|                |  |           |  |                               | * * * * * HUB-CAM                                                                                                                                       | SM-B-283272 | B                   |                      |            |
|                |  |           |  |                               | * * * * * HUB-CAM                                                                                                                                       | SM-B-283273 | B                   |                      |            |
|                |  |           |  |                               | * * * * * BLANK-CAM                                                                                                                                     | SM-B-283274 |                     |                      |            |
|                |  |           |  |                               | * * * * * TRANSFORMER                                                                                                                                   | SM-C-283275 | E                   |                      |            |
|                |  |           |  |                               | * * * * * FILTER                                                                                                                                        | SM-C-283276 | B                   |                      |            |
|                |  |           |  |                               | * * * * * SPRING-LOCKING                                                                                                                                | SM-B-283277 |                     |                      |            |
|                |  |           |  |                               | * * * * * SCREW-SET                                                                                                                                     | SM-B-283278 |                     |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283279 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283280 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283281 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283282 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283283 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283284 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283285 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283286 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283287 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283288 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283289 | A                   |                      |            |
|                |  |           |  |                               | * * * * * COIL ASSY                                                                                                                                     | SM-B-283290 | A                   |                      |            |
|                |  |           |  |                               | * * * * * CLAMP-GEAR                                                                                                                                    | SM-B-343586 |                     |                      |            |
|                |  |           |  |                               | * * * * * GEAR                                                                                                                                          | SM-C-343587 |                     |                      |            |
| DRWN: M.T.     |  | CHKD: EAU |  | USED ON: MIL-R-13947          |                                                                                                                                                         |             | SC-DL- SC-DL-248775 |                      |            |
| APPD: PME      |  | REVD: PME |  | RECEIVER, RADIO R-390 ( )/URR |                                                                                                                                                         |             | SHEET- 26 OF 36     |                      |            |
| DATE: 9 MAY 58 |  |           |  |                               | CODE IDENT 80063                                                                                                                                        |             |                     |                      |            |
| 14214-PH-51    |  |           |  |                               |                                                                                                                                                         |             |                     |                      |            |

| EQUIPMENT |  |  |  | DEPARTMENT OF THE ARMY                                                                                                                       |                 | SYM      | REVISIONS | AUTH |
|-----------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|-----------|------|
|           |  |  |  | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY                                                                                                |                 | N        | REVISED   | FC-2 |
|           |  |  |  | FORT MONMOUTH NEW JERSEY                                                                                                                     |                 |          | 27 SEP 67 | AMB  |
|           |  |  |  | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                 |          |           |      |
|           |  |  |  | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                 |          |           |      |
|           |  |  |  | TITLE                                                                                                                                        | NUMBER          | REV. SYM |           |      |
|           |  |  |  | HUB                                                                                                                                          | SM-B-343588     |          |           |      |
|           |  |  |  | GEAR ASSY                                                                                                                                    | SM-C-343589     |          |           |      |
|           |  |  |  | GEAR ASSY                                                                                                                                    | SM-C-343590     |          | A         |      |
|           |  |  |  | GEAR ASSY                                                                                                                                    | SM-C-343591     |          |           |      |
|           |  |  |  | SHAFT-ROLLER                                                                                                                                 | SM-B-343592     |          |           |      |
|           |  |  |  | PLATE AUX, CAM                                                                                                                               | SM-C-343593     |          | B         |      |
|           |  |  |  | PLATE ASSY-CAM                                                                                                                               | SM-B-343594     |          |           |      |
|           |  |  |  | COLLAR-STOP                                                                                                                                  | SM-B-343595     |          | A         |      |
|           |  |  |  | COLLAR STOP ASSY                                                                                                                             | SM-B-343596     |          | B         |      |
|           |  |  |  | STOP ASSY                                                                                                                                    | SM-C-343597     |          | C         |      |
|           |  |  |  | STOP ASSY - R. F.                                                                                                                            | SM-C-343598     |          |           |      |
|           |  |  |  | PLATE-CAM                                                                                                                                    | SM-C-343599     |          |           |      |
|           |  |  |  | TRAIN ASSY GEAR                                                                                                                              | SM-D-343600 (3) |          | A         |      |
|           |  |  |  | PLATE ASSY-CAM                                                                                                                               | SM-C-343601     |          |           |      |
|           |  |  |  | PLATE FRONT GEAR                                                                                                                             | SM-D-343602 (2) |          | B         | A    |
|           |  |  |  | BRACKET                                                                                                                                      | SM-B-343603     |          |           |      |
|           |  |  |  | HOUSING ASSY                                                                                                                                 | SM-B-343604     |          | A         |      |
|           |  |  |  | BRACKET ASSY                                                                                                                                 | SM-B-343605     |          |           |      |
|           |  |  |  | HOUSING ASSY                                                                                                                                 | SM-C-343606     |          |           |      |
|           |  |  |  | HOUSING ASSY-COUNTER                                                                                                                         | SM-C-343607     |          | A         |      |
|           |  |  |  | PIN                                                                                                                                          | SM-B-343608     |          |           |      |
|           |  |  |  | RETAINER                                                                                                                                     | SM-B-343609     |          | A         |      |
|           |  |  |  | BEARING                                                                                                                                      | SM-B-343610     |          | A         |      |
|           |  |  |  | SHAFT                                                                                                                                        | SM-B-343611     |          |           |      |
|           |  |  |  | PLATE ASSY FRONT GEAR                                                                                                                        | SM-D-343612     |          |           |      |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRAWN: M.T.    | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PVE      | REVD: PVE | RECEIVER, RADIO R-390 ( )/UPR | SHEET- 27 OF 36     |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |

| EQUIPMENT |   |   |                           |                          | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                          |                         | SYM REVISIONS |                      | AUTH         |
|-----------|---|---|---------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|----------------------|--------------|
|           |   |   | R-390A/URR (N-6-00189(E)) | R-390A/URR (21582-FC-61) | R-390A/URR (42428-FC-59)                                                                                                                     | R-390A/URR (4214-PH-51) | N             | REVISED<br>27 SEP 67 | C. E.<br>AMB |
|           |   |   |                           |                          | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                         |               |                      |              |
|           |   |   |                           |                          | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                         |               |                      |              |
|           |   |   |                           |                          | TITLE                                                                                                                                        |                         | NUMBER        |                      | REV. SYM     |
| *         | * | * | *                         | *                        | FRAME ASSY RIGHT SIDE                                                                                                                        | SM-D-343613             |               |                      |              |
| *         | * | * | *                         | *                        | FRAME ASSY LEFT SIDE                                                                                                                         | SM-D-343614             |               |                      |              |
| *         | * | * | *                         | *                        | CLAMP-CABLE                                                                                                                                  | SM-B-343615             |               |                      |              |
| *         | * | * | *                         | *                        | TERMINAL LUG                                                                                                                                 | SM-B-343616             |               | A                    |              |
| *         | * | * | *                         | *                        | NUT, ANCHOR                                                                                                                                  | SM-B-343617             |               | A                    |              |
| *         | * | * | *                         | *                        | PANEL ASSY-REAR                                                                                                                              | SM-D-343618             |               | D                    |              |
| *         | * | * | *                         | *                        | RECEIVER ASSY                                                                                                                                | SM-D-343619 (2)         |               | <del>B</del> C       |              |
| *         | * | * | *                         | *                        | MECHANICAL ASSY I, F.                                                                                                                        | SM-D-343620 (3)         |               | A <del>B</del>       |              |
| *         | * | * | *                         | *                        | FINAL ASSY I, F.                                                                                                                             | SM-C-343621             |               | <del>B</del> C       |              |
| *         | * | * | *                         | *                        | RECEIVER RADIO R-390A/URR ASSY                                                                                                               | SM-D-343622             |               | A <del>B</del>       |              |
| *         | * | * | *                         | *                        | PANEL ASSY-REAR                                                                                                                              | SM-D-343623             |               | C                    |              |
| *         | * | * | *                         | *                        | PANEL, REAR                                                                                                                                  | SM-D-343624 (3)         |               | <del>E</del> D       |              |
| *         | * | * | *                         | *                        | TUNING UNIT                                                                                                                                  | SM-C-343625             |               | <del>B</del> C       |              |
| *         | * | * | *                         | *                        | OSCILLATOR VAR. FREQ 2.455 MC TO 3.455 MC                                                                                                    | SM-D-343626             |               | B                    |              |
| *         | * | * | *                         | *                        | CAPACITOR-VARIABLE                                                                                                                           | SM-D-343627             |               | <del>B</del> A       |              |
| *         | * | * | *                         | *                        | RACK ASSY-LOW                                                                                                                                | SM-C-343628             |               |                      |              |
| *         | * | * | *                         | *                        | FINAL ASSY, R, F.                                                                                                                            | SM-D-343629 (3)         |               | <del>B</del> A       |              |
| *         | * | * | *                         | *                        | RACK ASSY - HIGH                                                                                                                             | SM-C-343630             |               |                      |              |
| *         | * | * | *                         | *                        | RACK ASSY - I, F.                                                                                                                            | SM-C-343631             |               |                      |              |
| *         | * | * | *                         | *                        | RACK ASSY - I, F.                                                                                                                            | SM-C-343632             |               |                      |              |
| *         | * | * | *                         | *                        | FRAME ASSY - RIGHT SIDE                                                                                                                      | SM-C-343633             |               |                      |              |
| *         | * | * | *                         | *                        | FRAME ASSY - LEFT SIDE                                                                                                                       | SM-C-343634             |               |                      |              |
| *         | * | * | *                         | *                        | CHASSIS - I, F.                                                                                                                              | SM-D-343635 (3)         |               | A                    |              |
| *         | * | * | *                         | *                        | CHASSIS ASSY - I, F.                                                                                                                         | SM-C-343636             |               |                      |              |
| *         | * | * | *                         | *                        | PIN                                                                                                                                          | SM-B-343637             |               |                      |              |

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|----------------|-----------|-------------------------------|--------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13347          | SC-DL SC-DL-248775 |
| APPD: PFE      | REVD: PFE | RECEIVER, RADIO R-390 ( )/URR | SHEET- 28 OF 36    |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063   |
| 4214-PH-51     |           |                               |                    |

| EQUIPMENT |  |  |  |  | DEPARTMENT OF THE ARMY                                                                                                                       |                 | SYM  | REVISIONS            | AUTH        |
|-----------|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|----------------------|-------------|
|           |  |  |  |  | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                                    |                 | N    | REVISED<br>27 SEP 67 | FC-2<br>AMB |
|           |  |  |  |  | <u>DRAWING AND DATA LIST</u>                                                                                                                 |                 |      |                      |             |
|           |  |  |  |  | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                 |      |                      |             |
|           |  |  |  |  | TITLE                                                                                                                                        | NUMBER          | REV. | SYM                  |             |
|           |  |  |  |  | FORM, COIL                                                                                                                                   | SM-B-343641     |      |                      |             |
|           |  |  |  |  | FORM, COIL                                                                                                                                   | SM-B-343642     |      |                      |             |
|           |  |  |  |  | FORM, COIL                                                                                                                                   | SM-B-343643     |      |                      |             |
|           |  |  |  |  | SHAFT, ADJ.                                                                                                                                  | SM-C-343660     | A    |                      |             |
|           |  |  |  |  | PLATE, ADJ.                                                                                                                                  | SM-B-343661     |      |                      |             |
|           |  |  |  |  | BUSHING, THREADED                                                                                                                            | SM-B-343662     |      |                      |             |
|           |  |  |  |  | SHAFT ASSY                                                                                                                                   | SM-B-343663     |      |                      |             |
|           |  |  |  |  | COLLAR STOP                                                                                                                                  | SM-B-343664     |      |                      |             |
|           |  |  |  |  | CABLE, AUDIO                                                                                                                                 | SM-D-343665 (2) | B    |                      |             |
|           |  |  |  |  | FILTER RADIO INTERFERENCE                                                                                                                    | SM-C-343666     | A    |                      |             |
|           |  |  |  |  | PIN, GROOVE                                                                                                                                  | SM-B-343667     |      |                      |             |
|           |  |  |  |  | SHAFT R. F. SWITCH                                                                                                                           | SM-B-343668     |      |                      |             |
|           |  |  |  |  | CHASSIS - 1. F. LID                                                                                                                          | SM-D-505824 (2) |      |                      |             |
|           |  |  |  |  | CHASSIS - 1. F. BASE                                                                                                                         | SM-D-505825 (2) |      |                      |             |
|           |  |  |  |  | SHIELD - 1. F.                                                                                                                               | SM-C-505826     |      |                      |             |
|           |  |  |  |  | SHIELD - 1. F.                                                                                                                               | SM-C-505827     |      |                      |             |
|           |  |  |  |  | SHIELD - 1. F.                                                                                                                               | SM-C-505828     |      |                      |             |
|           |  |  |  |  | SHIELD ASSY - 1. F.                                                                                                                          | SM-B-505829     |      |                      |             |
|           |  |  |  |  | SHIELD ASSY - 1. F.                                                                                                                          | SM-B-505830     |      |                      |             |
|           |  |  |  |  | SHIELD ASSY - 1. F.                                                                                                                          | SM-B-505831     |      |                      |             |
|           |  |  |  |  | CHASSIS ASSY - 1. F.                                                                                                                         | SM-C-505832     |      |                      |             |
|           |  |  |  |  | MECHANICAL ASSY - 1. F.                                                                                                                      | SM-D-505833 (3) |      |                      |             |

|                |           |                               |                     |
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| DRWN: M. T.    | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PME      | REVD: PME | RECEIVER, RADIO R-390 ( )/URR | SHEET-29 OF 36      |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |

## EQUIPMENT

DEPARTMENT OF THE ARMY

U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY  
FORT MONMOUTH NEW JERSEY

SYM REVISIONS AUTH

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27 SEP 67C.  
MEDRAWING AND DATA LISTTHIS DRAWING AND DRAWINGS AND PUBLICA-  
TIONS REFERENCED AND THEIR SUBSIDIARIES,  
IF ANY, CONSTITUTE ALL THE NECESSARY  
DATA RELATING TO DRAWINGSR-390A/URR (N-6-00189(E))  
R-390A/URR(21582-PC-61J)  
R-390A/URR(42428-PC-59J)  
R-390A/URR(14214-PH-51J)

TITLE

NUMBER

REV.SYM

## MILITARY STANDARD DRAWINGS

|   |   |   |   |                             |          |
|---|---|---|---|-----------------------------|----------|
| * | * | * | * | WASHER                      | MS15795  |
| * | * | * | * | RING                        | MS16624  |
| * | * | * | * | RING                        | MS16628  |
| * | * | * | * | RING                        | MS16632  |
| * | * | * | * | RING                        | MS16633  |
| * | * | * | * | NUT                         | MS20365  |
| * | * | * | * | RIVET                       | MS20450  |
| * | * | * | * | TERMINAL LUG                | MS20659  |
| * | * | * | * | CONNECTOR PLUG              | MS24055  |
| * | * | * | * | SHIELD                      | MS24232  |
| * | * | * | * | SHIELD                      | MS24233  |
| * | * | * | * | SCREW                       | MS24693  |
| * | * | * | * | TERMINAL LUG                | MS25036  |
| * | * | * | * | NUT, PLAIN, HEX             | MS25082  |
| * | * | * | * | LAMP, INCANDESCENT          | MS25237  |
| * | * | * | * | SCREW                       | MS35200  |
| * | * | * | * | FERRULE, SHIELD GROUNDINGS  | MS35311  |
| * | * | * | * | SCREW                       | MS35216  |
| * | * | * | * | WASHER                      | MS35333  |
| * | * | * | * | WASHER                      | MS35337  |
| * | * | * | * | WASHER                      | MS35338  |
| * | * | * | * | PIN GROOVED                 | MS35672  |
| * | * | * | * | FUSES, STYLE F02            | MS90078  |
| * | * | * | * | CRYSTAL UNIT QUARTZ CR-47/U | MS91400  |
| * | * | * | * | PIN, SPRING                 | MS171433 |

DRWN: M.T.

CHKD: EAU

USED ON: MIL-R-13947

SC-DL SC-DL-248775

APPD: PME

REVD: PME

RECEIVER, RADIO R-390 ( )/URR

SHEET- 30 OF 36

DATE: 9 MAY 58

58

CODE IDENT 80063

14214-PH-51

| EQUIPMENT |   |   |                           |                         |                         | DEPARTMENT OF THE ARMY                                                                                                                       |                                                                           | SYM  | REVISIONS | AUTH                 |             |
|-----------|---|---|---------------------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------|-----------|----------------------|-------------|
|           |   |   | R-390A-URR (N-6-00189(E)) | R-390A-URR(21582-FC-61) | R-390A-URR(42428-FC-59) | R-390A-URR(14214-PH-51)                                                                                                                      | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |      | H         | REVISED<br>27 SEP 67 | F.C.<br>ANB |
|           |   |   |                           |                         |                         | <b>DRAWING AND DATA LIST</b>                                                                                                                 |                                                                           |      |           |                      |             |
|           |   |   |                           |                         |                         | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                                                                           |      |           |                      |             |
|           |   |   |                           |                         |                         | TITLE                                                                                                                                        | NUMBER                                                                    | REV. | SYM       |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171434                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171435                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171463                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171464                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171466                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | PIN, SPRING                                                                                                                                  | KS171494                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | TUBE, SHIELD                                                                                                                                 | KS24232                                                                   |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | TUBE, SHIELD                                                                                                                                 | KS24233                                                                   |      |           |                      |             |
|           |   |   |                           |                         |                         | AIR FORCE NAVY AERONAUTICAL DRAWINGS                                                                                                         |                                                                           |      |           | CURRENT              |             |
| *         | * | * | *                         | *                       | *                       | RIVET                                                                                                                                        | AN426                                                                     |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET                                                                                                                                        | AN456                                                                     |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | RIVET                                                                                                                                        | AN470                                                                     |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | STEEL                                                                                                                                        | AN-S-771                                                                  |      |           |                      |             |
|           |   |   |                           |                         |                         | SPECIFICATIONS AND/OR STANDARDS                                                                                                              |                                                                           |      |           | CURRENT              |             |
|           |   |   |                           |                         |                         | FEDERAL                                                                                                                                      |                                                                           |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | FLUX                                                                                                                                         | Q-F-499                                                                   |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | SCREW, MACHINE                                                                                                                               | FF-S-92                                                                   |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | WASHER, LOCK                                                                                                                                 | FF-W-84                                                                   |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | ALUM ALLOY                                                                                                                                   | QQ-A-250                                                                  |      |           |                      |             |
| *         | * | * | *                         | *                       | *                       | ALUMINIUM ALLOY                                                                                                                              | QQ-A-267                                                                  |      |           |                      |             |

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|----------------|-----------|-------------------------------|---------------------|
| DRWN: H.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PVE      | REVD: PVE | RECEIVER, RADIO R-390 ( )/URR | SHEET-31 OF 36      |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |
| 14214-PH-51    |           |                               |                     |





| EQUIPMENT   |  |           |  |                               | DEPARTMENT OF THE ARMY                                                                                                                                  |            | SYM                 | REVISIONS            | AUTH        |
|-------------|--|-----------|--|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|----------------------|-------------|
|             |  |           |  |                               | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                                                               |            | N                   | REVISED<br>27 SEP 67 | EC-2<br>AMB |
|             |  |           |  |                               | <u>DRAWING AND DATA LIST</u>                                                                                                                            |            |                     |                      |             |
|             |  |           |  |                               | THIS DRAWING AND DRAWINGS AND PUBLICA-<br>TIONS REFERENCED AND THEIR SUBSIDIARIES,<br>IF ANY, CONSTITUTE ALL THE NECESSARY<br>DATA RELATING TO DRAWINGS |            |                     |                      |             |
|             |  |           |  |                               | TITLE                                                                                                                                                   | NUMBER     | REV. SYM            |                      |             |
|             |  |           |  |                               | MILITARY (JAN)                                                                                                                                          |            | CURRENT             |                      |             |
|             |  |           |  | *                             | ELECTRON TUBE                                                                                                                                           | MIL-E-1    |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-5    |                     |                      |             |
|             |  |           |  | *                             | INSULATION                                                                                                                                              | JAN-T-10   |                     |                      |             |
|             |  |           |  | *                             | RESISTORS                                                                                                                                               | MIL-R-11   |                     |                      |             |
|             |  |           |  | *                             | PLASTIC                                                                                                                                                 | MIL-M-14   |                     |                      |             |
|             |  |           |  | *                             | PLASTIC                                                                                                                                                 | MIL-P-14   |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-20   |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-25   |                     |                      |             |
|             |  |           |  | *                             | RESISTORS                                                                                                                                               | MIL-R-26   |                     |                      |             |
|             |  |           |  | *                             | TRANSFORMERS                                                                                                                                            | MIL-T-27   |                     |                      |             |
|             |  |           |  | *                             | SHIELDS                                                                                                                                                 | JAN-S-28   |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-62   |                     |                      |             |
|             |  |           |  | *                             | SWITCHES                                                                                                                                                | JAN-S-63   |                     |                      |             |
|             |  |           |  | *                             | PLASTIC                                                                                                                                                 | MIL-P-79   |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-81   |                     |                      |             |
|             |  |           |  | *                             | CAPACITORS                                                                                                                                              | MIL-C-91   |                     |                      |             |
|             |  |           |  | *                             | RESISTORS                                                                                                                                               | MIL-R-94   |                     |                      |             |
|             |  |           |  | *                             | VARNISH                                                                                                                                                 | MIL-V-173  |                     |                      |             |
|             |  |           |  | *                             | SILVER SOLDER                                                                                                                                           | MIL-S-561  |                     |                      |             |
|             |  |           |  | *                             | WIRES                                                                                                                                                   | MIL-W-583  |                     |                      |             |
|             |  |           |  | *                             | JACK, TELEPHONE                                                                                                                                         | MIL-J-641  |                     |                      |             |
|             |  |           |  | *                             | TWINE                                                                                                                                                   | MIL-T-713  |                     |                      |             |
|             |  |           |  | *                             | CRYSTAL                                                                                                                                                 | MIL-C-3098 |                     |                      |             |
|             |  |           |  | *                             | PLASTIC                                                                                                                                                 | MIL-P-3115 |                     |                      |             |
|             |  |           |  | *                             | INSULATION                                                                                                                                              | MIL-T-3190 |                     |                      |             |
| DRWN: M.T.  |  | CHKD: EAJ |  | USED ON: MIL-R-13947          |                                                                                                                                                         |            | SC-DL- SC-DL-248775 |                      |             |
| APPD: PME   |  | REVD: PME |  | RECEIVER, RADIO R-390 ( )/URR |                                                                                                                                                         |            | SHEET-33 OF 36      |                      |             |
| DATE: 9 MAY |  | 58        |  |                               |                                                                                                                                                         |            | CODE IDENT 80063    |                      |             |
| 14214-PH-51 |  |           |  |                               |                                                                                                                                                         |            |                     |                      |             |

| EQUIPMENT |   |                            |                          |                          | DEPARTMENT OF THE ARMY                                                                                                                       |                                                                           | SYM  | REVISIONS | AUTH                 |                 |
|-----------|---|----------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------|-----------|----------------------|-----------------|
|           |   | R-390A/URR (N-6-00189 (E)) | R-390A/URR (21582-PC-61) | R-390A/URR (42428-PC-59) | R-390A/URR (14214-PH-51)                                                                                                                     | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY |      | N         | REVISED<br>27 SEP 67 | <i>C. C. AM</i> |
|           |   |                            |                          |                          | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                                                                           |      |           |                      |                 |
|           |   |                            |                          |                          | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                                                                           |      |           |                      |                 |
|           |   |                            |                          |                          | TITLE                                                                                                                                        | NUMBER                                                                    | REV. | SYM       |                      |                 |
| *         | * | *                          | *                        | *                        | CABLE AND WIRE, ELECTRICAL                                                                                                                   | MIL-C-3432                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | CONNECTOR                                                                                                                                    | MIL-C-3608                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | CONNECTOR                                                                                                                                    | MIL-C-3767                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | SWITCHES                                                                                                                                     | MIL-S-3786                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | METER                                                                                                                                        | MIL-M-3823                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | WIRES                                                                                                                                        | MIL-W-3861                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | CAPACITORS                                                                                                                                   | MIL-C-3865                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | NON-RADIOACTIVE LUMINESCENT MATERIALS AND EQUIPMENT                                                                                          | MIL-L-3891                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | PLASTIC                                                                                                                                      | MIL-P-4385                                                                |      |           |                      |                 |
|           |   |                            |                          | *                        |                                                                                                                                              | MIL-P-12011                                                               |      |           |                      |                 |
|           |   |                            |                          | *                        | FUSES                                                                                                                                        | MIL-F-15160                                                               |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | TERMINAL BOARD                                                                                                                               | MIL-T-55164                                                               |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | STEEL                                                                                                                                        | MIL-S-5059                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | TESTING                                                                                                                                      | MIL-E-5272                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | PLASTIC                                                                                                                                      | MIL-P-5425                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | BRONZE                                                                                                                                       | MIL-B-5687                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | RELAY                                                                                                                                        | MIL-R-5757                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | WELDING                                                                                                                                      | MIL-W-6858                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | SOLDERING                                                                                                                                    | MIL-S-6872                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | TUBING, BRASS SEAMLESS                                                                                                                       | MIL-T-6945                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | GREASE                                                                                                                                       | MIL-G-7421                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | STEEL                                                                                                                                        | MIL-S-7720                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | LUBRICANT                                                                                                                                    | MIL-L-7870                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | TERMINALS, LUG                                                                                                                               | MIL-T-7928                                                                |      |           |                      |                 |
| *         | * | *                          | *                        | *                        | CONNECTOR                                                                                                                                    | MIL-C-8384                                                                |      |           |                      |                 |

|                |           |                               |                     |
|----------------|-----------|-------------------------------|---------------------|
| DRWN: M.T.     | CHKD: EAU | USED ON: MIL-R-13947          | SC-DL- SC-DL-248775 |
| APPD: PME      | REVD: PME | RECEIVER, RADIO R-390 ( )/URR | SHEET-34 OF 36      |
| DATE: 9 MAY 58 |           |                               | CODE IDENT 80063    |

| EQUIPMENT      |           |                               |  | DEPARTMENT OF THE ARMY                                                                                                                       |                     | SYM      | REVISIONS | AUTH    |
|----------------|-----------|-------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|-----------|---------|
|                |           |                               |  | U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY                                                                                                |                     | N        | REVISED   | 65      |
|                |           |                               |  | FORT MONMOUTH NEW JERSEY                                                                                                                     |                     |          | 27 SEP 67 | 4/8     |
|                |           |                               |  | <b>DRAWING AND DATA LIST</b>                                                                                                                 |                     |          |           |         |
|                |           |                               |  | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                     |          |           |         |
|                |           |                               |  | TITLE                                                                                                                                        | NUMBER              | REV. SYM |           |         |
|                |           |                               |  | DECALS                                                                                                                                       | MIL-D-8635          |          |           |         |
|                |           |                               |  | HOLDER CRYSTAL                                                                                                                               | MIL-R-10056/2       |          |           |         |
|                |           |                               |  | METERS                                                                                                                                       | MIL-M-10304         |          |           |         |
|                |           |                               |  | RESISTOR                                                                                                                                     | MIL-R-10509         |          |           |         |
|                |           |                               |  | CAPACITORS                                                                                                                                   | MIL-C-11015         |          |           |         |
|                |           |                               |  | PARTS                                                                                                                                        | MIL-P-11268         |          |           |         |
|                |           |                               |  | WIRE                                                                                                                                         | MIL-W-12349         |          |           |         |
|                |           |                               |  | SOCKETS                                                                                                                                      | MIL-S-12883         |          |           |         |
|                |           |                               |  | MARKING                                                                                                                                      | MIL-M-13231         |          |           |         |
|                |           |                               |  | FINISHES                                                                                                                                     | MIL-F-14072         |          |           |         |
|                |           |                               |  | CHOKES                                                                                                                                       | MIL-C-15305         |          |           |         |
|                |           |                               |  | WIRE                                                                                                                                         | MIL-W-16878         |          |           |         |
|                |           |                               |  | FILTER                                                                                                                                       | MIL-F-18327         |          |           |         |
|                |           |                               |  | COPPER CLAD                                                                                                                                  | MIL-P-21466         |          |           |         |
|                |           |                               |  | FEDERAL STANDARD                                                                                                                             |                     |          |           | CURRENT |
|                |           |                               |  | STEEL, CHEMICAL COMP. & HARDENABILITY                                                                                                        | FED STD 66          |          |           |         |
|                |           |                               |  | COLOR                                                                                                                                        | FED STD 595         |          |           |         |
|                |           |                               |  | TEST METHODS                                                                                                                                 | FED STD 151         |          |           |         |
|                |           |                               |  | U. S. ARMY                                                                                                                                   |                     |          |           | CURRENT |
|                |           |                               |  | SILVER SOLDER                                                                                                                                | R-1121              |          |           |         |
|                |           |                               |  | FINISH                                                                                                                                       | 90-4                |          |           |         |
| DRWN: N.T.     | CHKD: EAU | USED ON: MIL-R-13947          |  |                                                                                                                                              | SC-DL- SC-DL-248775 |          |           |         |
| APPD: PVE      | REVD: PVE | RECEIVER, R-910 R-390 ( )/URR |  |                                                                                                                                              | SHEET-35 OF 36      |          |           |         |
| DATE: 9 MAY 58 |           |                               |  |                                                                                                                                              | CODE IDENT 80063    |          |           |         |
| 14214-PH-51    |           |                               |  |                                                                                                                                              |                     |          |           |         |

| EQUIPMENT      |  |                          |                        |                               | DEPARTMENT OF THE ARMY<br>U.S. ARMY ELECTRONICS MATERIEL SUPPORT AGENCY<br>FORT MONMOUTH NEW JERSEY                                          |                                | SYM                 | REVISIONS            | AUTH        |
|----------------|--|--------------------------|------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|----------------------|-------------|
|                |  | P-390/URR (N-6-00189(E)) | R-390/URR(21582-PC-61) | R-390/URR(42428-FC-59)        | R-390A/URR(14214-PH-51)                                                                                                                      |                                | N                   | REVISED<br>27 SEP 67 | EC-2<br>148 |
|                |  |                          |                        |                               | <b><u>DRAWING AND DATA LIST</u></b>                                                                                                          |                                |                     |                      |             |
|                |  |                          |                        |                               | THIS DRAWING AND DRAWINGS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS |                                |                     |                      |             |
|                |  |                          |                        |                               | TITLE                                                                                                                                        | NUMBER                         | REV. SYM.           |                      |             |
|                |  |                          |                        |                               | MILITARY (JAN) STANDARD                                                                                                                      |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | WELDING SYMBOLS                | JAN-STD-19          |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | SAMPLING PROCEDURES & TABLE    | MIL-STD-105         |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | MOISTURE RESISTANCE TEST CYCLE | MIL-STD-170         |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | TEST METHODS                   | MIL-STD-202         |                      |             |
|                |  |                          |                        |                               | NAVY DEPARTMENT                                                                                                                              |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | FLUX                           | 51F4                |                      |             |
|                |  |                          |                        |                               | U. S. DEPARTMENT OF COMMERCE                                                                                                                 |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | SCREW THREAD STANDARD          | H-28                |                      |             |
|                |  |                          |                        |                               | SOCIETY OF AUTOMOTIVE ENGINEERS                                                                                                              |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | STEEL                          | 8150                |                      |             |
|                |  |                          |                        |                               | AMERICAN SOCIETY OF TESTING MATERIALS                                                                                                        |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            |                                | B-86-57T            |                      |             |
|                |  |                          |                        |                               | METAL POWDER ASSOCIATION STANDARDS                                                                                                           |                                | CURRENT             |                      |             |
|                |  | *                        | *                      | *                             | *                                                                                                                                            | ELECTRONIC IRON CORES          | 11-55T              |                      |             |
| DRWN: H.T.     |  | CHKD: EAU                |                        | USED ON: MIL-R-13947          |                                                                                                                                              |                                | SC-DL: SC-DL-248775 |                      |             |
| APPD: PFE      |  | REVD: PFE                |                        | RECEIVER, RADIO R-390 ( )/URR |                                                                                                                                              |                                | SHEET- 36 OF 36     |                      |             |
| DATE: 9 MAY 58 |  | CODE IDENT 80063         |                        |                               |                                                                                                                                              |                                |                     |                      |             |
| 14214-PH-51    |  |                          |                        |                               |                                                                                                                                              |                                |                     |                      |             |