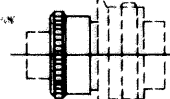
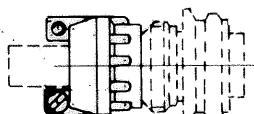
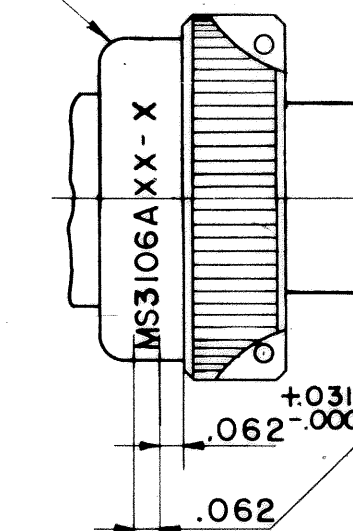


| ACCESSORIES<br>(NOT PART OF STANDARD ASSEMBLY)                                                                          |                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <br>GROMMET<br>10-40800 SERIES         | <br>GROMMET<br>RETAINING NUT<br>SEE TABLE |
| <br>CABLE CLAMP<br>10-35900-XX3 SERIES |                                                                                                                            |

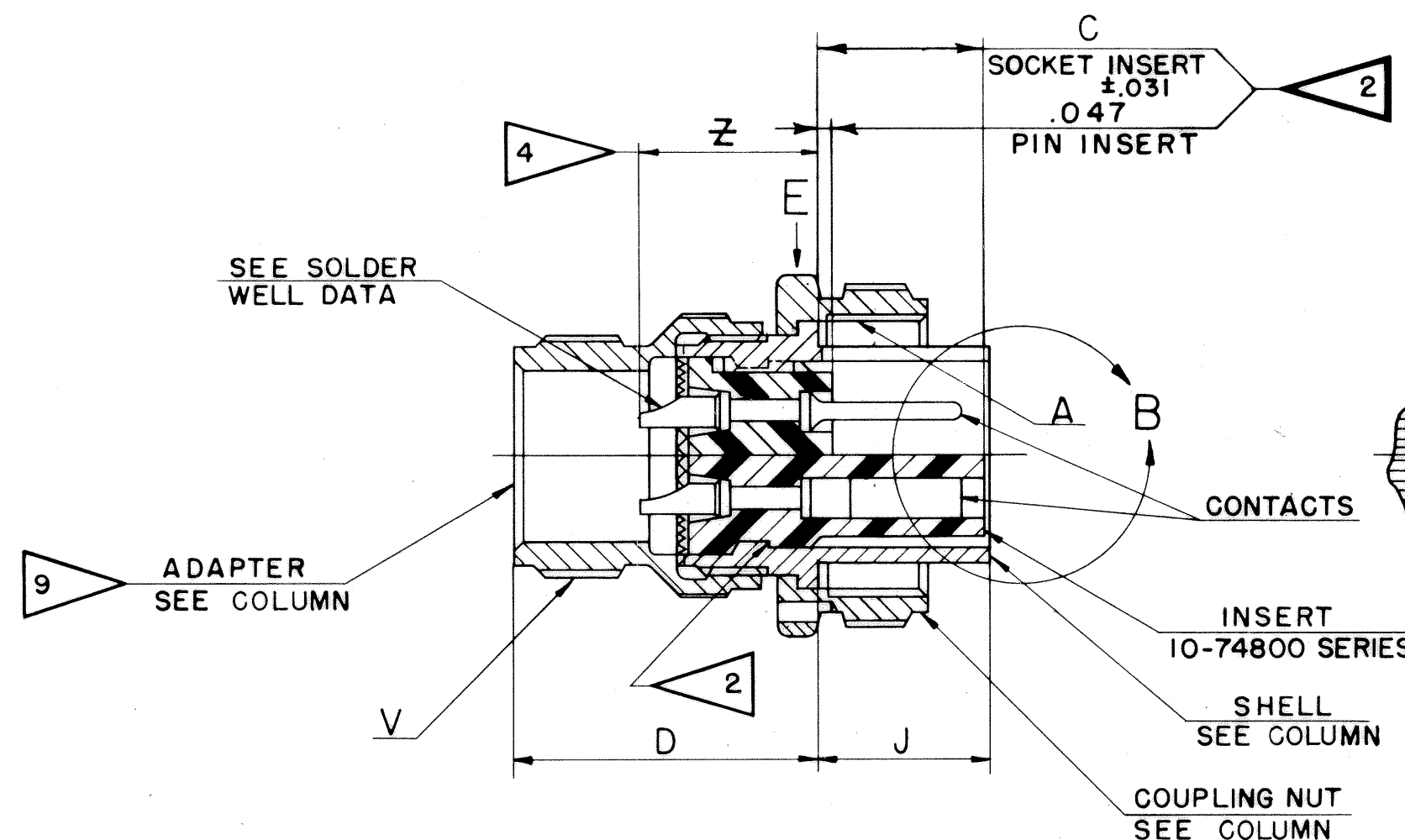
SHELL ASSY  
SEE COLUMN



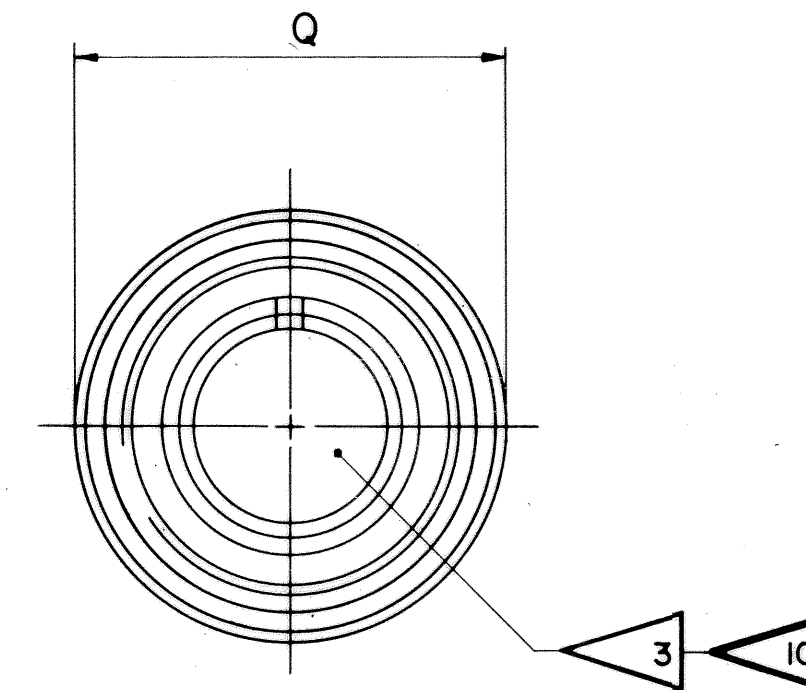
STAMP PER 9-2811  
EXAMPLE:  
MS3106A10SL-3S BENDIX-7139

NUT MUST TURN FREELY  
AFTER STAMPING

VIEW AT E  
10 SL ONLY



VIEW B  
EXCEPT 10SL



10-168608 THRU  
10-168640

STAMP PER 9-2811  
MS NO., "BENDIX" & DATE CODE (9-3895)  
OPPOSITE KEYWAY  
EXAMPLE:  
MS3106A20-12S BENDIX -7139

FOR SUFFIX OTHER THAN "P" OR "S",  
STAMP PER 9-2437  
(SUFFIX OF MS NO. ONLY)  
EXAMPLE:  
MS3106A20-12SX BENDIX -7139

USE OF THIS DOCUMENT IS UNLIMITED. DOCUMENTS  
REFERENCED HEREON CONTAIN LIMITED RIGHTS DATA.

| SOLDER WELL DATA                              |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| CONTACT SIZE                                  | 0                                       | 4                                       | 8                                       | 12                                      | 16M                                     |
| WELL DIA                                      | .469 <sup>+0.005</sup> <sub>-.003</sub> | .332 <sup>+0.005</sup> <sub>-.003</sub> | .209 <sup>+0.004</sup> <sub>-.002</sub> | .116 <sup>+0.004</sup> <sub>-.002</sub> | .078 <sup>+0.004</sup> <sub>-.002</sub> |
| WELL DEPTH <sup>+0.031</sup> <sub>-.000</sub> | .625                                    | .625                                    | .500                                    | .375                                    | .250                                    |

| MATERIAL SPEC.   |  | PROCESS SPEC.     |  | SCINTILLA MAGNETO DIVISION                           |  |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED        |                              |  |  |
|------------------|--|-------------------|--|------------------------------------------------------|--|--|--|----------------------------------------------|------------------------------|--|--|
|                  |  | SEE SHEET 2       |  | BENDIX AVIATION CORPORATION<br>SYDNEY, N. Y., U.S.A. |  |  |  | FRACTIONS ± ~                                | ANGLES ± ~                   |  |  |
|                  |  |                   |  | NAME                                                 |  |  |  | DECIMALS ± .010                              | CONCENTRICITY ~              |  |  |
|                  |  |                   |  | CONNECTOR, ELECTRICAL PLUG,<br>TYPE C ( ) MC         |  |  |  | SURFACE FINISH<br>MICRO-INCHES RMS VALUE MAX | WEIGHT-LBS<br>SEE PARTS LIST |  |  |
| HEAT TREAT SPEC. |  | FINISH SPEC.      |  | D'MAN                                                |  |  |  | NEXT ASSEMBLY                                | SUPERSEDES                   |  |  |
|                  |  |                   |  | CHECKER                                              |  |  |  |                                              | AND IS NOT INTERCHANGABLE    |  |  |
|                  |  |                   |  | MAT.                                                 |  |  |  |                                              | SUPERSEDED BY                |  |  |
|                  |  |                   |  | STDS                                                 |  |  |  |                                              | 10-168608 THRU               |  |  |
|                  |  |                   |  | CH. D'MAN                                            |  |  |  |                                              | 10-168608/40                 |  |  |
|                  |  |                   |  | APPROVED                                             |  |  |  |                                              | 10-168640                    |  |  |
|                  |  |                   |  | SCALE                                                |  |  |  |                                              |                              |  |  |
| TOOL ACC.        |  | COM. REC. 22563-4 |  | A. SMY                                               |  |  |  | NONE                                         |                              |  |  |
|                  |  |                   |  | 4-24-57                                              |  |  |  |                                              |                              |  |  |
|                  |  |                   |  | 5-10-57                                              |  |  |  |                                              |                              |  |  |

SEE SHEET 2.  
NOTES: REF SYMBOL

DWG SIZE C

TAR. CODE 77820 SHEET 1 OF 2

| REL | 32508-157 | WAS                         | DATE     | D'MAN    | APPD. |
|-----|-----------|-----------------------------|----------|----------|-------|
| 1   | 33750-57  | SEE SHEET I                 | 1-21-58  | MOORE    |       |
| 2   | 35826-4   | SEE SHEET I                 | 8-30-59  | BARTKOW  |       |
| A1  | 36200-27  | SEE SHEET I                 | 2-11-60  | MAKOWSKI |       |
| A2  | 36525-325 | SEE SHEET I                 | 3-17-60  | MAKOWSKI |       |
| A3  | 36525-448 | SEE SHEET I                 | 7-5-60   | PAWLICK  |       |
| A4  | 42525-45  | SEE SHEET I                 | 10-26-63 | MALAR    |       |
| A5  |           | SEE SHEET I FOR ALL CHANGES |          |          |       |
| A6  |           |                             |          |          |       |
| B   |           |                             |          |          |       |

| ASSEMBLY NO. | MS NO.     | DIMENSIONS              |  |                     |             |            |                 |                                     |  |            |  | DETAILS                   |                 |              | ACCESSORY                   |
|--------------|------------|-------------------------|--|---------------------|-------------|------------|-----------------|-------------------------------------|--|------------|--|---------------------------|-----------------|--------------|-----------------------------|
|              |            | A<br>THREAD<br>CLASS 2B |  | C<br>+.047<br>-.000 | D           | J<br>±.005 | Q<br>DIA<br>MAX | V<br>THREAD<br>(PLATED)<br>CLASS 2A |  | Z<br>±.045 |  | SHELL                     | COUPLING<br>NUT | ADAPTER      | GROMMET<br>RETAINING<br>NUT |
| 10-168608 -  | 3106A 8S - | .5000-28 UNEF           |  | .531                | .859 ±.030  | .531       | .741            | .5000-28 UNEF                       |  | .562       |  | 10-37266 - 8              | 10-37265 - 8    | 10-37267 - 8 | 10-37269 - 8                |
| 10-168610 -  | IOS -      | .6250-24 NEF            |  | .531                | .937 ±.030  | .531       | .869            | .5000-28 UNEF                       |  |            |  | 10-37266-10               | 10-37265 -10    | -10          | -10                         |
| 10-168611 -  | IOSL -     | .6250-24 NEF            |  | .531                | .937 ±.025  | .531       | .946            | .6250-24 NEF                        |  |            |  | 10-113488-11 (SHELL ASSY) |                 | -12          | -12                         |
| 10-168612 -  | 12S -      | .7500-20 UNEF           |  | .531                | .937 ±.030  | .531       | .995            |                                     |  |            |  | 10-37266 - 12             | 10-37265 - 12   | -12          | -12                         |
| 10-168613 -  | 12 -       | .7500-20 UNEF           |  | .719                | 1.124 ±.030 | .719       | .995            |                                     |  | .812       |  | -13                       | -13             | -13          | -13                         |
| 10-168614 -  | 14S -      | .8750-20 UNEF           |  | .531                | .937 ±.030  | .531       | 1.123           | .7500-20 UNEF                       |  | .562       |  | -14                       | -14             | -14          | -14                         |
| 10-168615 -  | 14 -       | .8750-20 UNEF           |  | .719                | 1.124 ±.030 | .719       | 1.123           | .7500-20 UNEF                       |  | .812       |  | -15                       | -15             | -15          | -15                         |
| 10-168616 -  | 16S -      | 1.0000-20 UNEF          |  | .531                | .937 ±.030  | .531       | 1.250           | .8750-20 UNEF                       |  | .562       |  | -16                       | -16             | -16          | -16                         |
| 10-168617 -  | 16 -       | 1.0000-20 UNEF          |  | .719                | 1.124 ±.030 | .719       | 1.250           | .8750-20 UNEF                       |  | .812       |  | -17                       | -17             | -17          | -17                         |
| 10-168618 -  | 18 -       | 1.1250-18 NEF           |  |                     | 1.219 ±.030 |            | 1.333           | 1.0000-20 UNEF                      |  |            |  | -18                       | -18             | -18          | -18                         |
| 10-168620 -  | 20 -       | 1.2500-18 NEF           |  |                     | 1.125 ±.030 |            | 1.461           | 1.1875-18 NEF                       |  |            |  | -20                       | -20             | -20          | -20                         |
| 10-168622 -  | 22 -       | 1.3750-18 NEF           |  |                     | 1.219 ±.030 |            | 1.588           | 1.1875-18 NEF                       |  |            |  | -22                       | -22             | -22          | -22                         |
| 10-168624 -  | 24 -       | 1.5000-18 NEF           |  |                     | 1.251 ±.030 |            | 1.715           | 1.4375-18 NEF                       |  |            |  | -24                       | -24             | -24          | -24                         |
| 10-168628 -  | 28 -       | 1.7500-18 NS            |  |                     | 1.470 ±.030 |            | 1.968           | 1.4375-18 NEF                       |  |            |  | -28                       | -28             | -28          | -28                         |
| 10-168632 -  | 32 -       | 2.0000-18 NS            |  |                     | 1.439 ±.030 |            | 2.209           | 1.7500-18 NS                        |  |            |  | -32                       | -32             | -32          | -32                         |
| 10-168636 -  | 36 -       | 2.2500-16 UN            |  |                     | 1.500 ±.030 |            | 2.463           | 2.0000-18 NS                        |  |            |  | -36                       | -36             | -36          | -36                         |
| 10-168640 -  | 40 -       | 2.5000-16 UN            |  |                     | 1.469 ±.030 |            | 2.718           | 2.2500-16 UN                        |  |            |  | -40                       | -40             | -40          | -40                         |

10-168608 THRU  
10-168640

4. INCREASE Z DIMENSION BY .312 FOR SIZE "O" CONTACT ONLY.
3. FOR CONTACT SIZE, SPACING, & SERVICE RATING, SEE DRAWINGS MS33680 THRU MS33690.
2. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.
1. THE UNITS ILLUSTRATED MEET THE REQUIREME OF MS3016A, PER SPEC MIL-C-5015(D).

13. FOR DIMENSIONS AND STAMPING ON ALL ARRANGEMENTS WITH SUFFIX -50 OR ABOVE SEE INDIVIDUAL DRAWING OF SAME SHELL SIZE & SUFFIX IN 10-41600 SERIES.

12. FOR PART NUMBERS 10-168617-13, 10-168618-15, & 61 - SEE INDIVIDUAL DRAWINGS 10-168617-13, 10-168618-15, & 61-00000.

11.

10. INSERTS AND CONTACTS ARE REMOVABLE.

9. ADAPTER MUST BE REMOVED WHEN GROMMET RETAINING NUT IS USED.

8. ALL LOCKWIRE HOLES ARE .045 DIA MIN.

7. SEE DRAWINGS 10-168008 THRU 10-168040 10-168208 THRU 10-168240 FOR REQUIRED MATING RECEPTACLE ASSEMBLIES.

6. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.

5. TO COMPLETE ASSEMBLY NUMBER & MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. (FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437.) TO DETERMINE DESIRED INSERT ARRANGEMENT, SEE PARTS LISTS 10-168608 THRU 10-168640.

NOTES: REF SYMBOL

|                  |  |                                                                                   |  |                                                                                    |  |  |  |                                                 |  |                              |  |
|------------------|--|-----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------|--|------------------------------|--|
| MATERIAL SPEC.   |  | PROCESS SPEC.<br>TEST<br>9-3106-5<br>ASSY<br>9-3103-1<br>9-2811, 9-2437<br>9-3895 |  | SCINTILLA MAGNETO DIVISION<br>BENDIX AVIATION CORPORATION<br>SIDNEY, N. Y., U.S.A. |  |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED           |  |                              |  |
| HEAT TREAT SPEC. |  | TOOL ACC.                                                                         |  | NAME<br>CONNECTOR ELECTRICAL PLUG,<br>TYPE C() MC                                  |  |  |  | FRACTIONS ±                                     |  | ANGLES                       |  |
|                  |  |                                                                                   |  | D'MAN CHECKER MAT. STDS CH. D'MAN APPROVED SCALE                                   |  |  |  | DECIMALS ±.010                                  |  | CONCENTRICITY                |  |
|                  |  |                                                                                   |  | ASMEY BARTKOW                                                                      |  |  |  | SURFACE ROUGHNESS<br>MICRO-INCHES RMS VALUE MAX |  | WEIGHT-LBS<br>SEE PARTS LIST |  |
|                  |  |                                                                                   |  | 4-25-57 59.57 5-10-57 5-11-57                                                      |  |  |  | NEXT ASSEMBLY                                   |  | SUPERSEDED BY                |  |
|                  |  |                                                                                   |  | NONE                                                                               |  |  |  | SUPERSEDED BY                                   |  | AND IS NOT INTERCHANGEABLE   |  |
|                  |  |                                                                                   |  | 10-168608 THRU 10-168640                                                           |  |  |  | 10-168608 THRU 10-168640                        |  | SHEET 2 OF 2                 |  |

DWG SIZE C

CODE 77820

TAB.

SHEET 2 OF 2