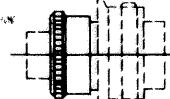
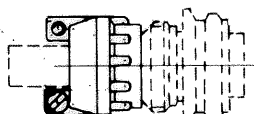
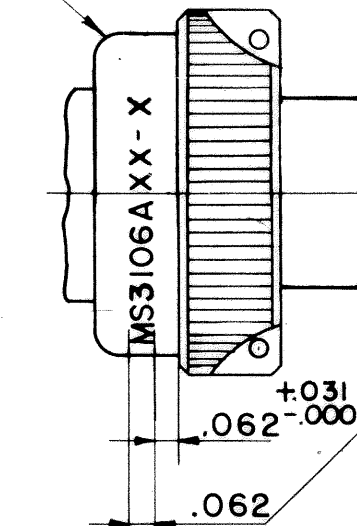


ACCESSORIES (NOT PART OF STANDARD ASSEMBLY)	
 GROMMET 10-40800 SERIES	 GROMMET RETAINING NUT SEE TABLE
 CABLE CLAMP 10-35900-XX3 SERIES	

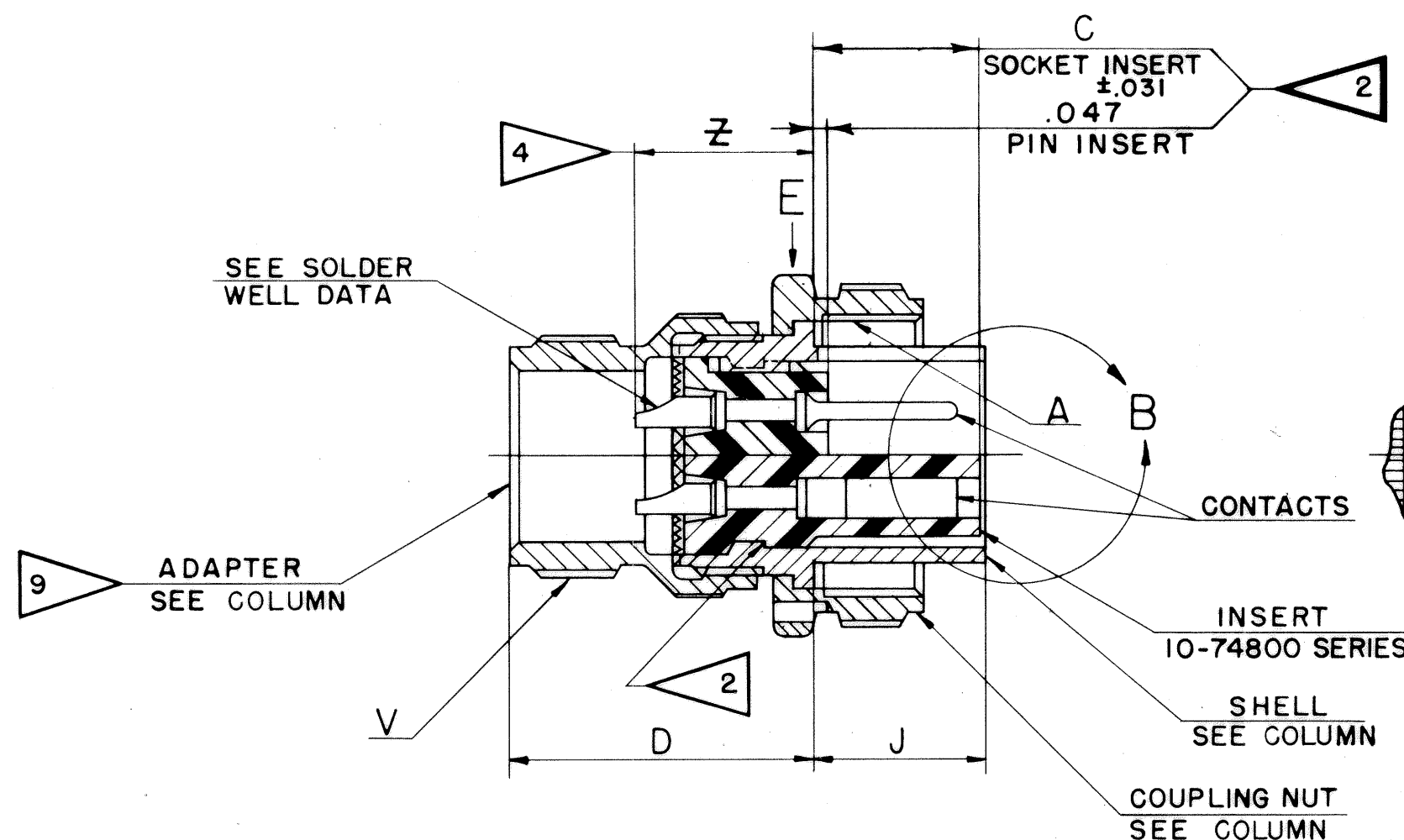
SHELL ASSY
SEE COLUMN



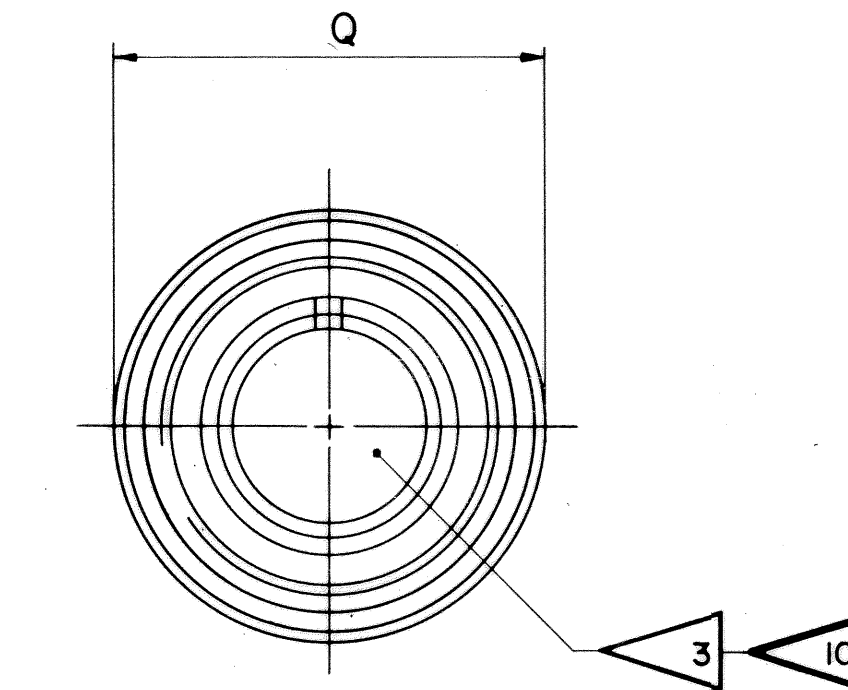
STAMP PER 9-2811
EXAMPLE:
MS3106A10SL-3S BENDIX-7139

NUT MUST TURN FREELY
AFTER STAMPING

VIEW AT E
10 SL ONLY



VIEW B
EXCEPT 10SL



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

10-168608 THRU
10-168640

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 ^{+0.005} _{-.003}	.332 ^{+0.005} _{-.003}	.209 ^{+0.004} _{-.002}	.116 ^{+0.004} _{-.002}	.078 ^{+0.004} _{-.002}
WELL DEPTH ^{+0.031} _{-.000}	.625	.625	.500	.375	.250

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 D'MAN	APPROVED	SCALE	SUPERSEDED BY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

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	<i>[Signature]</i>
2	35826-4	SEE SHEET I	8-30-59	BARTKOW	<i>[Signature]</i>
A1	36200-27	SEE SHEET I	2-11-60	MAKOWSKI	<i>[Signature]</i>
A2	36525-325	SEE SHEET I	3-17-60	MAKOWSKI	<i>[Signature]</i>
A3	36525-448	SEE SHEET I	7-5-60	PAWLICK	<i>[Signature]</i>
A4	42525-45	SEE SHEET I	10-26-63	MALAR	<i>[Signature]</i>
A5		SEE SHEET I FOR ALL CHANGES			
A6					
B					

ASSEMBLY NO.	MS NO.	DIMENSIONS										DETAILS			ACCESSORY
		A THREAD CLASS 2B		C ±.047 -0.000	D	J ±.005	Q DIA MAX	V THREAD (PLATED) CLASS 2A		Z ±.045		SHELL	COUPLING NUT	ADAPTER	GROMMET RETAINING 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. TEST 9-3106-5 ASSY 9-3103-1 9-2811, 9-2437 9-3895		SCINTILLA MAGNETO DIVISION BENDIX AVIATION CORPORATION SIDNEY, N. Y., U.S.A.				TOLERANCES UNLESS OTHERWISE SPECIFIED			
HEAT TREAT SPEC.		TOOL ACC.		NAME CONNECTOR ELECTRICAL PLUG, TYPE C() MC				FRACTIONS $\frac{1}{2}$		ANGLES 90°	
				D'MAN CHECKER MAT. STDS CH. D'MAN APPROVED SCALE				DECIMALS $\pm .010$		CONCENTRICITY $\frac{1}{16}$	
				ASMEY BARTKOW 4-25-57 59.57 5-10-57 5-11-57				SURFACE ROUGHNESS MICRO-INCHES RMS VALUE MAX		WEIGHT-LBS SEE PARTS LIST	
				NONE				NEXT ASSEMBLY		SUPERSEDED BY 10-168608 THRU 10-168640	
				DWG SIZE C				CODE 77820		SHEET 2 OF 2	