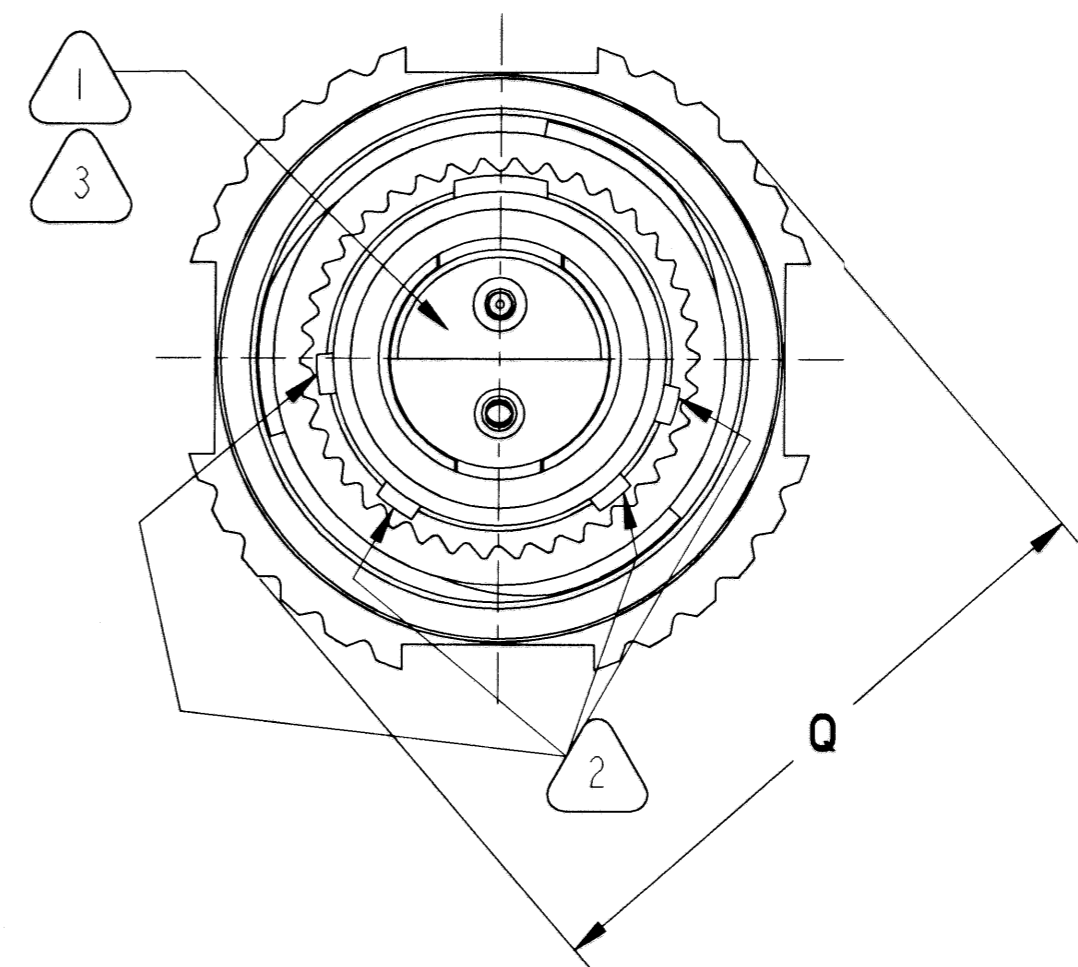
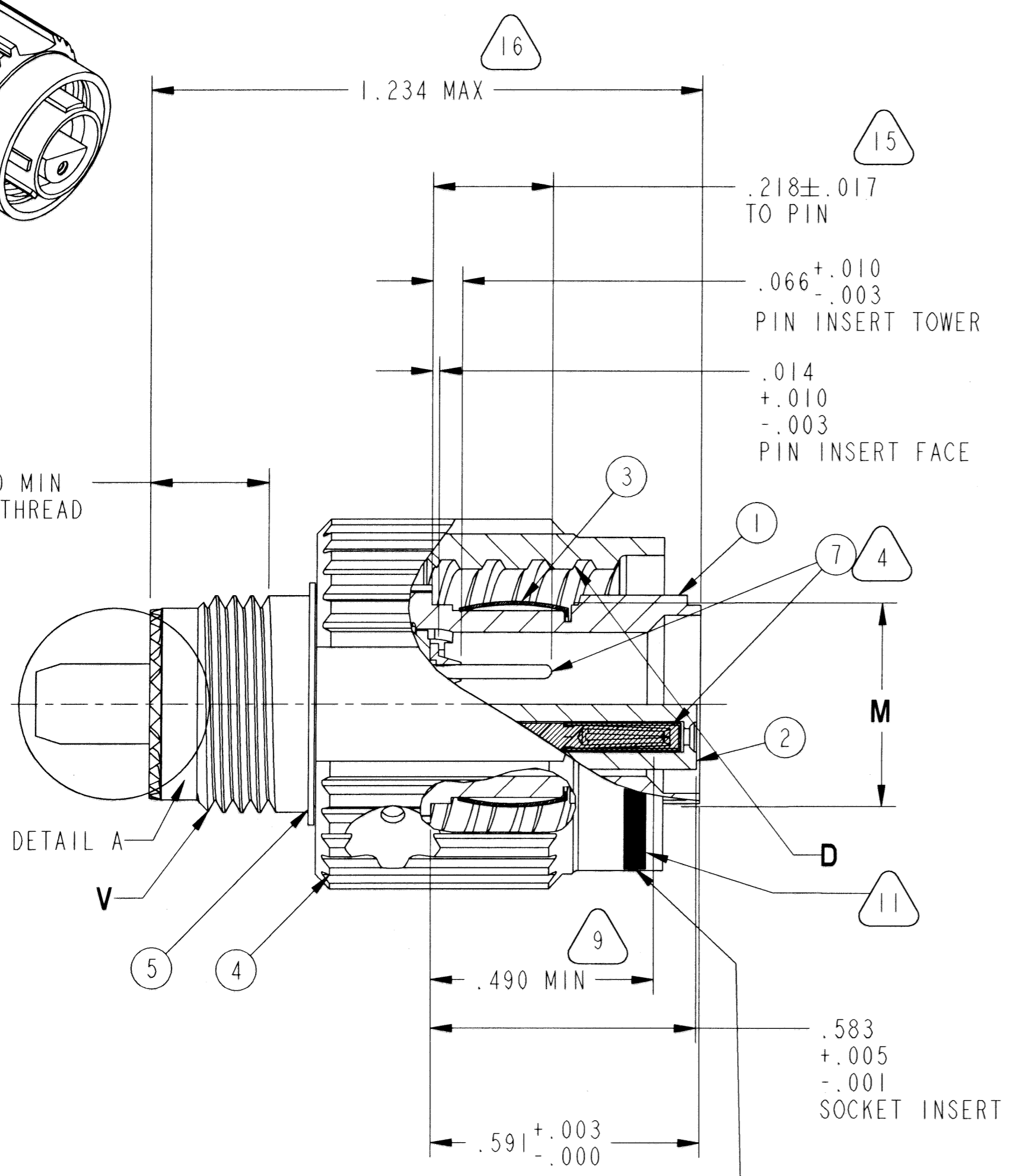
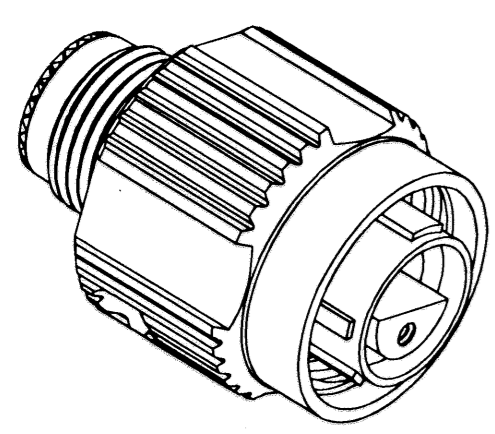


REVISIONS			
LTR	DESCRIPTION	DATE	APPVD
A	INITIAL RELEASE NUM: -----		
B	(CL 11) SEE CHANGE NOTICE ECN: 89732	6-14-01 SANDBURG	
C	CHANGED "CTV" TO "AL" (CL 11) SEE CHANGE NOTICE ECN: 90301	10-17-01 SANDBURG	
D	ADDED ALTERNATE SHELL (CL 11) SEE CHANGE NOTICE ECN: 90730	4-23-02 SANDBURG	<i>[Signature]</i> 4-25-02



STAMP "AMPHENOL", AL NO. & DATE CODE (PER 9-3895)
 EXAMPLE:
 AMPHENOL AL06F11-35S 0116
 FOR ROTATED KEYS
 EXAMPLE:
 AMPHENOL AL06F11-35SA 0116

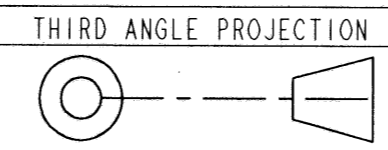
SEE SHEET 2

NOTES:
 WARNING: IF THIS BOX IS CHECKED: THIS DRAWING HAS BEEN MODIFIED BY HAND-DRAFTING WITHOUT COMPUTER UPDATING

THE USE OF THIS DOCUMENT IS UNLIMITED.
 HOWEVER, DOCUMENTS REFERENCED HEREON
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PRO/ENGINEER INFORMATION	
N/A	Pro/e Model Used: TV_PLUG.ASSEM
N/A	Drawing Name: 91-629150_159
NEXT ASSEMBLY	

UNLESS OTHERWISE SPECIFIED
 LINEAR DIMENSIONS ARE IN INCHES
 TOLERANCES:
 .XXXX = ±.0005
 .XXX = ±.010
 .XX = ±.03
 .X = ±.1
 ANGLES = ±2°
 OTHER STANDARDS PER 9-3800
 AND DOD-D-1000



SPECIFICATIONS
 MATERIAL SPEC.
 N/A
 PROCESS SPEC.
 SEE NOTE 7

POS	QTY	PART NUMBER	DESCRIPTION	NOTE
7	-	SEE NOTE 5	CONTACT, PIN	4
			CONTACT, SOCKET	4
6	SEE NOTE 6	SEE NOTE 15	INSULATOR ASSEMBLY	5
5	1	SEE COLUMN	RING, SNAP	
4	1	10-629261-()	NUT, COUPLING	5
3	1	10-442297-()8	STRAP, GROUND	5
2	1	10-417307/350-()S OR 10-555407/429-()S OR	INSERT, SOCKET	3, 5
	1	10-538170/179-()P OR 10-552440/449-()P	INSERT, PIN	3, 5
	1	SEE NOTE 5	SHELL, PLUG	5

APPROVALS		DATE	PARTS LIST	
PREPARED H. JOHNSON	CHECKED-ENG C. WESTRICK	18-Apr-01	AMPHENOL CORPORATION AMPHENOL AEROSPACE OPERATIONS SIDNEY, N.Y. 13838 CONNECTOR, ELECTRICAL PLUG, TYPE: AL06F() ELECTROLESS NICKEL COATED	
APPROVED-MATERIAL LAB H. JOHNSON	APPROVED-PROCESS J. TOKAROWSKI	5-10-01		
APPROVED-ENG-IN-CHG H. JOHNSON	APPROVED-QUALITY N/A H. JOHNSON	5-9-01	SIZE C	FSCM NO. 77820
APPROVED-ENG MGR D. GALLUSSER		5-10-01	DOCUMENT NO. 91-629150/159	REV. D

SCALE: NONE REF: 91-577360/369 SHEET 1 OF 2

91-629150/159

SHEET 2 OF 2

REV. D

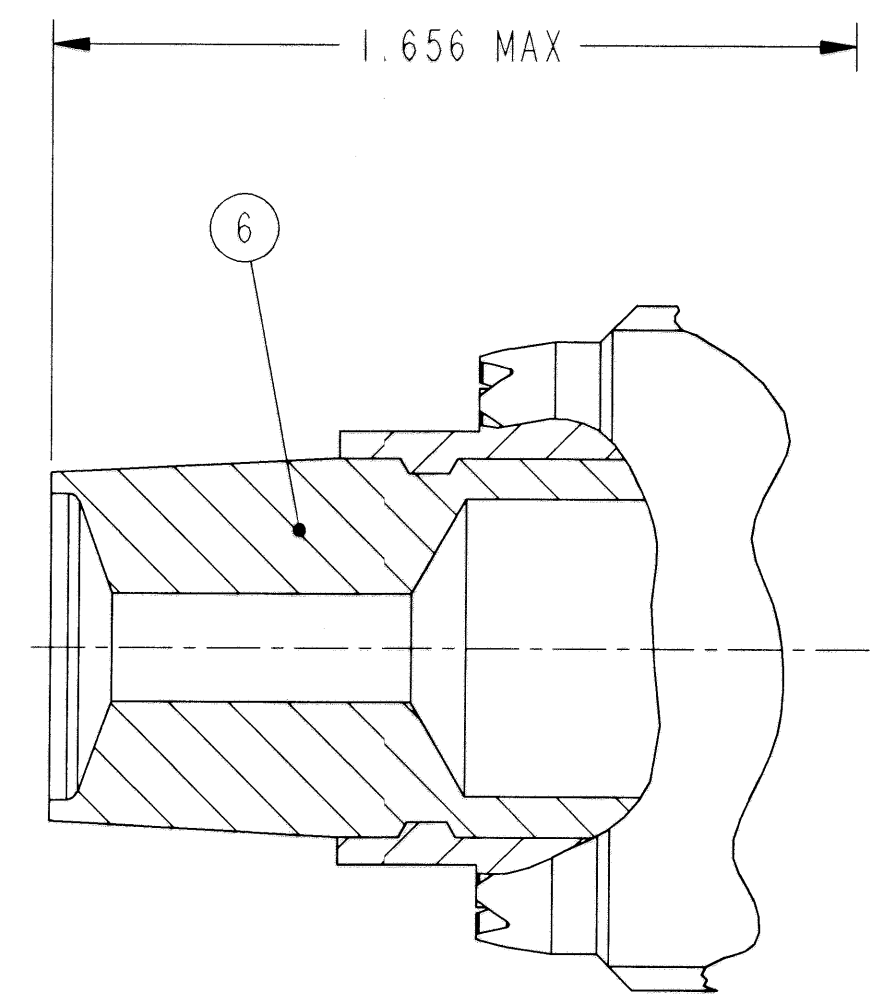
C

B

A

FORMAT: CPL/N REV: 04-MAR-1999 DCC

ASSEMBLY NUMBER	AL NUMBER	SNAP RING PART NUMBER	B THREAD MODIFIED (PLATED) PER 9-3200-2		ØM MIN OVER TINES	ØQ MAX	V THREAD (PLATED) PER 9-7543
			SIZE	MOD MINOR DIA			
91-629150-()			NOT AVAILABLE				
91-629151-()	AL06F9-()	10-483953- 9	.6250-0.1P-0.3L-TS	.5892-.5828	.449	.858	M12X1-6g0.100R
91-629152-()	AL06F11-()	10-483953- 59	.7500	.7142-7078	.577	.984	M15
91-629153-()	AL06F13-()	10-483953- 71	.8750	.8392-8328	.694	1.157	M18
91-629154-()	AL06F15-()	10-483953- 87	1.0000	.9642-.9578	.819	1.279	M22
91-629155-()	AL06F17-()	10-483953- 98	1.1875	1.1394-1.1330	.944	1.405	M25
91-629156-()	AL06F19-()	10-483953-109	1.2500	1.2020-1.1956	1.049	1.515	M28
91-629157-()	AL06F21-()	10-483953-121	1.3750	1.3270-1.3206	1.174	1.641	M31
91-629158-()	AL06F23-()	10-483953-134	1.5000	1.4520-1.4456	1.299	1.767	M34
91-629159-()	AL06F25-()	10-552949- 24	1.6250	1.5770-1.5706	1.424	1.889	M37



DETAIL A
ENLARGED
FOR SIZE 8 COAXIAL CONTACT ONLY

6. PACKAGE PER PRODUCTION PROCESS SHEET.

5. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.

4. DRAWING ILLUSTRATES FINAL ASSEMBLY. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH THE APPROPRIATE SIZE SEALING PLUGS. SEE PRODUCTION PROCESS SHEET/SHIPPER FOR SPECIAL PACKING REQUIREMENTS. (THERE ARE SPECIAL PACKAGING REQUIREMENTS).

3. INSERT ASSEMBLY IS NOT REMOVABLE.

2. ALTERNATE ROTATIONS ARE OBTAINED BY ROTATING INDICATED KEYS. SIX POSITIONS ARE AVAILABLE. SEE 9-2437-25.

1. FOR CONTACT ARRANGEMENT PATTERN, SEE DRAWINGS L-15206-() THRU L-15250-(). ALTERNATE POSITIONS THEREON DO NOT APPLY.

NOTES:

11. BLUE BAND DENOTES REAR RELEASE CONTACT RETENTION SYSTEM.

10. UNITS ILLUSTRATED MEET THE APPLICABLE REQUIREMENTS OF MIL-C-38999.

9. DISTANCE FROM SHELL FLANGE TO THE POINT AT WHICH A GAGE PIN HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE ENGAGES ELECTRICAL SOCKET CONTACT SPRING.

8. FOR MATING CONNECTOR, SEE 91-629160/169.

7. PROCESS SPEC:
TEST 9-5044
ASSY 9-5047-11, 9-4407-13,
9-7374-1 (LESS TORQUE TESTING)
PROCESS 9-2437-25, 9-5788, 9-7543,
9-3200-2, 9-3895

16. FOR 25-11 INSERT ARRANGEMENT, INDICATED DIMENSION IS 1.447 MAX.

15. FOR SIZE 8 COAX DIMENSION IS .438±.025

14. INSULATOR ASSY TO BE SUPPLIED WHEN GROMMET DESIGN REQUIRES ONE (ALL COAX, SOME TWINAX)
EXAMPLE: 21-AB (TWINAX ARRANGEMENT)
REQUIRES TWINAX INSULATOR P/N 21-33321-005
21-75 (COAX ARRANGEMENT)
REQUIRES COAX INSULATOR P/N 10-452952
25-20 (TWINAX ARRANGEMENT) NO INSULATOR

13. TO COMPLETE NUMBERS, ADD APPLICABLE INSERT ARRANGEMENT (PATTERN) SUFFIX PER 9-2437-25.

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

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SIZE C	FSCM NO. 77820	DOCUMENT NO. 91-629150/159	REV. D
SCALE NONE		REF: 91-577360/369	SHEET 2 OF 2

SHEET 2 OF 2

91-629150/159

A

D

C