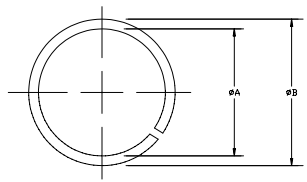
NOTES:

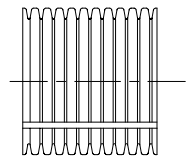
1. APPLICABLE STANDARDS/SPECIFICATIONS:
   A. DOD-STD-00100-(AR)
   B. ANSI Y14.5M-1982
2. MATERIAL: PLASTIC, POLYAMIDE (PA) (NYLON). IAW ASTM D4066, PA261.
   OPTIONAL MATERIAL: NYLON TYPE 6 APPROVED TO PACKARD/DELPHI SPEC M-2170.
   MATERIAL COLOR: BLACK WITH OR WITHOUT GREY STRIPE.
3. DIMENSIONS WITHOUT TOLERANCES SPECIFIED ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR INSPECTION PURPOSES.
4. THIS NOTE INTENTIONALLY NOT USED.
5. THIS NOTE INTENTIONALLY NOT USED.
6. THE TUBING SHALL OPERATE WITHIN THE TEMPERATURE RANGE OF -40 DEG. F TO 120 DEG. F.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE(S) OF SUPPLY OR APPROVED EQUAL			
PART NUMBER	VENDOR ADDRESS	VENDOR CAGE CODE	VENDOR PART NUMBER
(SEE TABLE)	DROSSBACH USA, INC. 65 AURORA INDUSTRIAL PARKWAY AURORA, OH 44202-0219	0FB20	(SEE TABLE)
	GENERAL MOTORS CORP. PACKARD ELECTRIC DIV. 408 DANA ST. NE. WARREN, OH 44486	77060	(SEE TABLE)

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
—	XA	REVISED IAW THE FOLLOWING NOR(S): 6017-7	10-22-96	B.L. GARRED BHM AWT
—	XB	REVISED IAW THE FOLLOWING NOR(S): 5353-47	97-03-06	N. MESFIN BHM AWT
—	—	-PRODUCT BASELINE- ERR SSS-R6141	97-03-06	N. MESFIN BHM AWT
A2	A	1) ADDED "P.FIESTER" TO QA BLOCK ERR SSS-R6479	98-06-27	G. BECK AD. JAWT
GB GB D6	B	REVISED IAW DEV. D872 1) DELETE NOTE 5 2) REVISE NOTE 6 FROM: -50 DEG. F TO: -40 DEG. F 3) REVISE PART NUMBER TABLE ERR SSS-U5824	02-07-19	K.CHAUDHUR JJMM SES
H8 AB GB	C	REVISED IAW DEV. D1100 1) REVISED NOTE 2 2) REVISED TABLE 3) DELETED NOTE 4 ERR SSS-U7344	03-03-24	J.TESSIER JJMM SRS





PART NUMBER	VENDOR PART NUMBER	ITEM IDENTIFICATION	SIZE		"A" DIMENSION (ID) MIN I.D.		MAX I.D.		"B" DIMENSION(OD) MIN O.D.		MAX O.D.		WALL THICKNESS (MIN)	
			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
12420924-001	014NPBS	MFR-0FB20-014NPBS	1/4	6	0.237	6.07	0.266	6.76	0.375	9.53	0.400	10.16	0.0043	0.11
	R-64498	MFR-77060-R-64498	1/4	6	0.236	5.99	0.264	6.71	0.376	9.55	0.400	10.16	0.004	0.11
12420924-002	038NPBS	MFR-0FB20-038NPBS	3/8	9	0.341	8.66	0.38	9.65	0.497	12.62	0.526	13.36	0.0047	0.12
	R-68235	MFR-77060-R-68235	3/8	9	0.344	8.74	0.374	9.50	0.489	12.42	0.519	13.18	0.006	0.14
12420924-003	012NPBS	MFR-0FB20-012NPBS	1/2	13	0.473	12.01	0.516	13.11	0.664	16.87	0.700	17.78	0.0047	0.12
	R-68237	MFR-77060-R-68237	1/2	13	0.479	12.17	0.509	12.93	0.680	16.78	0.890	17.53	0.007	0.17
12420924-004	058NPBS	MFR-0FB20-058NPBS	5/8	16	0.603	15.32	0.639	16.23	0.805	20.45	0.837	21.26	0.0047	0.12
	R-68238	MFR-77060-R-68238	5/8	16	0.603	15.32	0.633	16.06	0.805	20.45	0.840	21.34	0.007	0.17
12420924-005	034NPBS	MFR-0FB20-034NPBS	3/4	18	0.707	17.96	0.759	19.28	0.95	24.13	0.989	25.12	0.0047	0.12
	R-68240	MFR-77060-R-68240	3/4	19	0.720	18.29	0.755	19.18	0.953	24.21	0.988	25.10	0.007	0.18
12420924-006	100NPBS	MFR-0FB20-100NPBS	1	25	1.006	25.55	1.055	26.80	1.272	32.31	1.320	33.53	0.0051	0.13
	R-68423	MFR-77060-R-68423	1	25	1.008	25.60	1.048	26.62	1.288	32.72	1.328	33.73	0.009	0.22
12420924-007	118NPBS	MFR-0FB20-118NPBS	1 1/8	29	1.092	27.74	1.140	28.96	1.340	34.04	1.375	34.93	.0058	0.15
	R-70239	MFR-77060-R-70239	1 1/8	28	1.070	27.18	1.210	30.73	1.340	34.04	1.380	35.05	0.009	0.22
12420924-008	078NPBS	MFR-0FB20-078NPBS	7/8	22	0.848	21.54	0.898	22.81	1.107	28.12	1.151	29.24	0.0051	0.13
	R-65716	MFR-77060-R-65716	7/8	22	0.861	21.87	0.887	22.53	1.117	28.37	1.142	29.01	0.008	0.20
12420924-009	114NPBS	MFR-0F820-114NPBS	1 1/4	32	1.199	30.45	1.257	31.93	1.446	36.73	1.500	38.1	0.0059	0.15

DISTRIBUTION STATEMENT A:
APPROVED FOR PUBLIC RELEASE;
DISTRIBUTION IS UNLIMITED.

SPECIFICATION CONTROL DRAWING

PART NO. (SEE TABLE)

MECHANICAL PROPERTIES

	PART A
VP	12420874
TS	12420873
ELP	12420872
EA	12420871
BH	12420870
HI	12420868
	12416130 FMTV
	NEXT ASSY USED ON
	APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE ± —
3 PLACE ± —
THIRD ANGLE PROJECTION

DR. P. FIESTER
MFG. ENGR. C. WATTS

CONTRACT NUMBER DAAE07-92-C-R001
CONTRACTOR STEWART & STEVENSON SERVICES SEALY TEXAS U.S.A.
DRAWN BY T. BROWN DATE (YR-MO-DA) 94-10-11
ENGINEER F.LEESER DRAFTSMAN E. HORNE
DESIGN ACTIVITY D. HOUSTON
DESIGN APPROVAL (YR-MO-DA) D. HOUSTON

DESIGN ACTIVITY
U.S. ARMY, TANK AUTOMOTIVE COMMAND
WARREN, MICHIGAN 48397-5000

TUBING, CONVOLUTED

SIZE E | CAGE CODE 19207 | DWG NO 12420924
SCALE NONE | UNIT WT — | SHEET —
FILE NAME GENERATING
TAGGA-C-RIGH