

NOTICE - WHEN GOVERNMENT DRAWINGS SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED OR IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THEREOF.

THIS DOCUMENT HAS BEEN PURCHASED BY THE GOVERNMENT AND MAY BE REPRODUCED AND USED IN CONNECTION WITH ANY GOVERNMENT PROCUREMENT OR MAINTENANCE OPERATION.

NOTE:  
DATA MARKED BY AN ASTERISK (\*) ARE FOR INFORMATION ONLY. CONTRACTOR MAY, AT HIS OPTION, DEVIATE FROM THESE DETAILS.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	ISSUED	10 MAR 65	PR-1004236
		12 AUG 65	21582PC61
	RETRACED, NO CHANGE		
A	(1) WAS B.1 (2) WAS 11	JAN 65	1502-FC01 PME
B2	SEE SHEET 2 FOR REV'S		6-0018A

CONNECTOR WIRING TABLE  
JUNCTION B3

J620 TERM	WIRE NO.	WIRE COLOR	SLEEVING ITEM NO.
1	13	WHT-BLU	32
2	14	WHT-RED-GRN	32
3	15	WHT-RED-GRN	32
4	16	WHT-BLK-GRN	32
5	17	WHT-BLK-GRN	32
6	18	WHT-BLK-BLU	32
7	19	WHT-BLK	32
8	20	WHT-RED-BLU	32
9	21	WHT-BRN	32
10	22	WHT-ORG-GRN	32
11	23	WHT-BRN-RED	32
12	24	WHT-ORG-BLU	32
13	25	WHT-GRN	32
14	26	WHT-GRN-BLU	32
15	27	WHT	33
16	28	WHT	33
17	R-601	ITEM 3	34
18	C-612	ITEM 4	34
19	B6	NO. 22 BUS	34

- NOTES:
- PART SHALL BE TYPE C18 NYLON JACKET WIRE.
  - PART SHALL BE TYPE B22 NYLON JACKET WIRE.
  - PART SHALL BE TYPE S DRAWN AND ANNEALED TIN COATED.
  - TIE WIRES AT ENDS OF SLEEVINGS, AT BREAKOUTS AND APPROXIMATELY 3/4 INCH INTERVALS USING TAPE (31).
  - PART SHALL BE BLACK VINYL-COATED FIBERGLASS TUBING; CLASS B-A-1.
  - INSULATE TERMINALS OF CONNECTORS (1) & (2) WITH INSULATION (32) & (33) 1/2 INCH LONG AS STATED IN CONNECTOR WIRING TABLES.
  - ALL SOLDERING PER SPEC MIL-S-6872 USING ROSIN CORE SOLDER PER SPEC QQ-S-571 COMP. SN60.
  - SYMBOL ⊕ INDICATES TUBING (34).
  - ALL WIRES ARE TO BE STRIPPED AND TINNED 1/2 INCH.
  - CABLE IS DRAWN TO SCALE. LENGTHS INDICATED BY MARKS ARE THE ENDS OF STRANDS AFTER STRIPPING.

CONNECTOR WIRING TABLE  
JUNCTION B1

J619 TERM	WIRE NO.	WIRE COLOR	SLEEVING ITEM NO.
1	1	WHT-ORN	32
2	2	WHT-BLK-RED-BLU	32
3	3	WHT-BLK-RED-ORG	32
4	4	WHT-RED-ORG-GRN	32
5	5	WHT-BLK-RED-GRN	32
6	6	WHT-BLK-RED	32
7	7	WHT-BLK-ORG	32
8	8	WHT-GRN	32
9	9	WHT-BRN-ORG	32
10	10	WHT-BLK	33
11	11	WHT-BLK	33
12	12	WHT	32

WIRE NO.	BREAKOUT NOS.		COLOR	ITEM NO.
	FROM	TO		
1	B1	B4	WHT-ORG	11
2	B1	B24	WHT-BLK-RED-BLU	27
3	B1	B35	WHT-BLK-RED-ORG	25
4	B1	B4	WHT-RED-ORG-GRN	28
5	B1	B32	WHT-BLK-RED-GRN	26
6	B1	B4	WHT-BLK-RED	14
7	B1	B4	WHT-BLK-ORG	15
8	B1	B12	WHT-BRN	12
9	B1	B27	WHT-BRN-ORG	19
10	B1	B7	WHT-BLK	6
11	B1	B4	WHT-BLK	8
12	B1	B2	WHT	5
13	B3	B5	WHT-BLU	13
14	B3	B5	WHT-RED-GRN	20
15	B3	B12	WHT-RED-GRN	20
16	B3	B5	WHT-BLK-GRN	16
17	B3	B5	WHT-BLK-BLU	17
18	B3	B9	WHT-BLK-BLU	17
19	B3	B11	WHT-BLK	8
20	B3	B5	WHT-RED-BLU	21
21	B3	B11	WHT-BRN	9
22	B3	B21	WHT-ORG-GRN	22
23	B3	B21	WHT-BRN-RED	18
24	B3	B21	WHT-ORG-BLU	23
25	B3	B10	WHT-GRN	12
26	B3	B21	WHT-GRN-BLU	24
27	B3	B2	WHT	7
28	B3	B27	WHT	7
29	B4	B35	WHT-RED-ORG-GRN	28
30	B4	B12	WHT-BLK	8
31	B4	B5	WHT-RED-GRN	20
32	B6	B24	WHT-BLK-RED	14
33	B6	B24	WHT-ORN-BLU	23
34	B6	B5	WHT-ORN-BLU	23
35	B5	B9	WHT-BRN	9
36	B5	B8	WHT-RED	10
37	B5	B24	WHT-ORN	11
38	B5	B23	WHT-RED	10
39				
40	B13	B21	WHT-BLK-RED	14
41	B14	B17	WHT-RED-GRN-BLU	29
42	B20	B21	WHT-BLK-ORN	15
43	B7	B14	WHT-BLK-RED-BLU	27
44	B13	B24	WHT-ORN	11
45	B14	B16	WHT-BLK-GRN	16
46	B14	B16	WHT-ORN-GRN	22
47	B15	B26	WHT-BLK	8
48	B14	B28	WHT-ORN	11
49	B21	B22	WHT-BRN-RED	18
50	B21	B23	WHT-BRN	9
51	B19	B27	WHT-BLK-BLU	17
52	B22	B23	WHT-BLU	13
53	B20	B23	WHT-RED	10
54	B20	B21	WHT-BLU	13
55	B18	B21	WHT	7
56	B24	B33	WHT-RED-BLU	21
57	B24	B32	WHT-BLK-RED	14
58	B24	B34	WHT-BLK-RED-BLU	27
59	B25	B27	WHT-BLK	8
60	B27	B29	WHT-BRN	9
61	B27	B29	WHT-RED	10
62	B27	B30	WHT-BLU	13
63	B27	B30	WHT-BLU	13
64	B27	B31	WHT	7
65	B27	B31	WHT	7
66	B32	B34	WHT-BLK-RED	14
86	B2	-	NO. 22 BUSS	30

ITEM	REQD	PART NO	DESCRIPTION	MATL SPEC	NOTES
35			SOLDER, SOFT		7
34		SM-C-249213-1	TUBING		8
33		SM-D-343665-29	INSULATION NO. 8	MIL-I-3190	5.6
32		SM-D-343665-28	INSULATION NO. 12	MIL-I-3190	5.6
31		SM-D-343665-27	TAPE-TYPE P CLASS 2 WAXED	MIL-T-713	4
30		SM-D-343665-26	WIRE-ELECT - NO. 22 BUS	MIL-W-16878	2
29		SM-D-343665-25	WIRE-ELECT - WHT-RED-GRN-BLU	MIL-W-16878	2
28		SM-D-343665-24	WIRE-ELECT - WHT-RED-ORN-GRN	MIL-W-16878	2
27		SM-D-343665-23	WIRE-ELECT - WHT-BLK-RED-BLU	MIL-W-16878	2
26		SM-D-343665-22	WIRE-ELECT - WHT-BLK-RED-GRN	MIL-W-16878	2
25		SM-D-343665-21	WIRE-ELECT - WHT-BLK-RED-ORN	MIL-W-16878	2
24		SM-D-343665-20	WIRE-ELECT - WHT-GRN-BLU	MIL-W-16878	2
23		SM-D-343665-19	WIRE-ELECT - WHT-ORN-BLU	MIL-W-16878	2
22		SM-D-343665-18	WIRE-ELECT - WHT-ORN-GRN	MIL-W-16878	2
21		SM-D-343665-17	WIRE-ELECT - WHT-RED-BLU	MIL-W-16878	2
20		SM-D-343665-16	WIRE-ELECT - WHT-RED-GRN	MIL-W-16878	2
19		SM-D-343665-15	WIRE-ELECT - WHT-BRN-ORN	MIL-W-16878	2
18		SM-D-343665-14	WIRE-ELECT - WHT-BRN-RED	MIL-W-16878	2
17		SM-D-343665-13	WIRE-ELECT - WHT-BLK-BLU	MIL-W-16878	2
16		SM-D-343665-12	WIRE-ELECT - WHT-BLK-GRN	MIL-W-16878	2
15		SM-D-343665-11	WIRE-ELECT - WHT-BLK-ORN	MIL-W-16878	2
14		SM-D-343665-10	WIRE-ELECT - WHT-BLK-RED	MIL-W-16878	2
13		SM-D-343665-9	WIRE-ELECT - WHT-BLU	MIL-W-16878	2
12		SM-D-343665-8	WIRE-ELECT - WHT-GRN	MIL-W-16878	2
11		SM-D-343665-7	WIRE-ELECT - WHT-ORN	MIL-W-16878	2
10		SM-D-343665-6	WIRE-ELECT - WHT-RED	MIL-W-16878	2
9		SM-D-343665-5	WIRE-ELECT - WHT-BRN	MIL-W-16878	2
8		SM-D-343665-4	WIRE-ELECT - WHT-BLK	MIL-W-16878	2
7		SM-D-343665-3	WIRE-ELECT - WHT	MIL-W-16878	2
6		SM-D-343665-2	WIRE-ELECT - WHT-BLK	MIL-W-16878	1
5		SM-D-343665-1	WIRE-ELECT - WHT	MIL-W-16878	1
4		SM-C-283226-1	CAPACITOR		
3		RC20GF684K	RESISTOR	MIL-R-11	
2		SM-C-283194	CONNECTOR, PLUG		
1		SM-C-283191	CONNECTOR, PLUG		

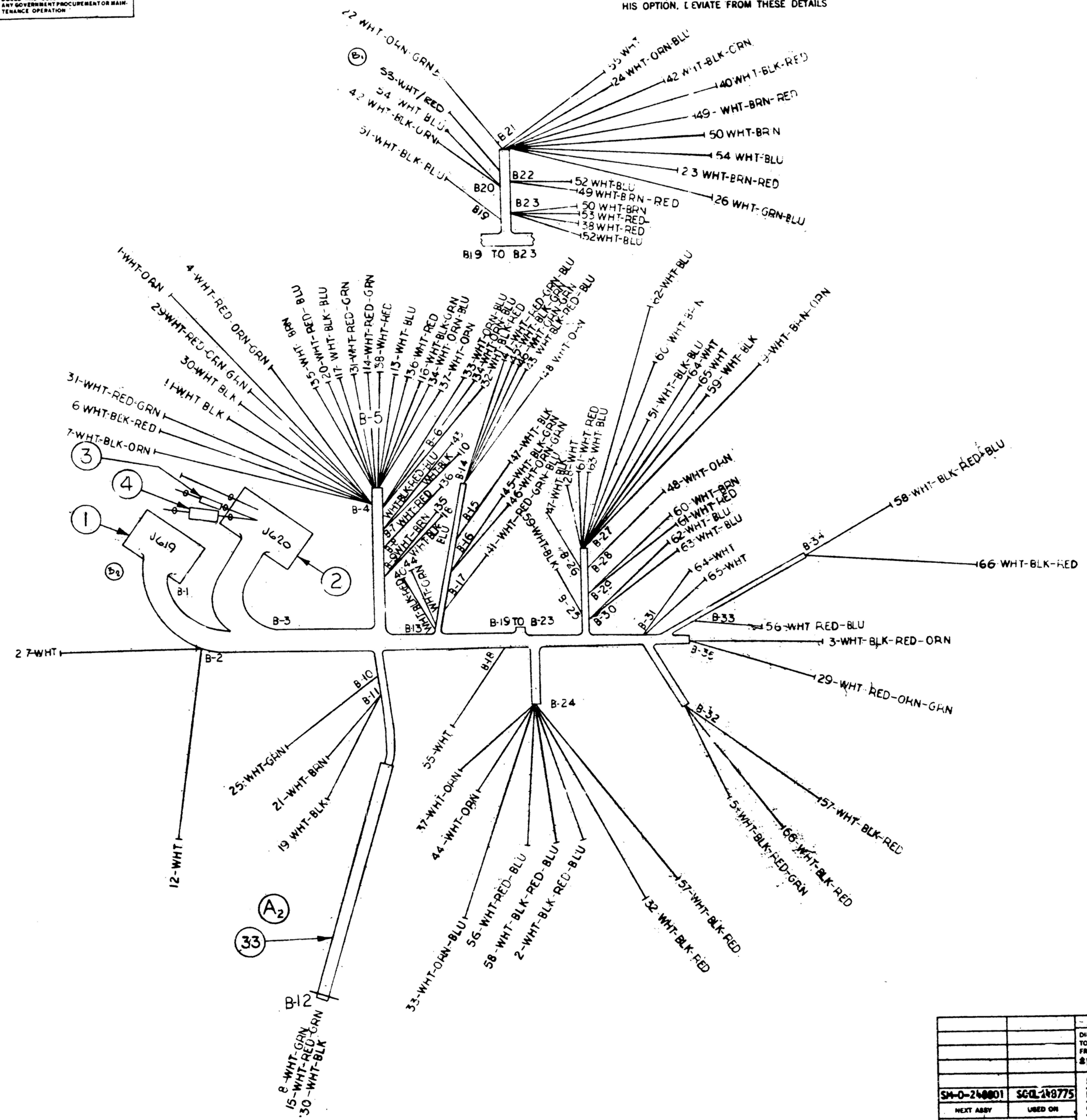
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES 1/4		DEPARTMENT OF THE ARMY U. S. ARMY SIGNAL MATERIEL SUPPORT AGENCY FORT MONMOUTH, NEW JERSEY SM-D-343665	
SM-D-248801	SCD-248775	CABLE, AUDIO	
NEXT ASSY	USED ON	REVIEWED APPROVED PME	DATE 14 APR 60
APPLICATION		SCALE	

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	ISSUED	10 MAY 60	PT6042-26
	RETRACED, NO CHANGE	12 AUG 62	21582-061
A	SEE SHEET 1 FOR REVISIONS	3 JAN 63	21582-PG61
B <sub>2</sub>	B <sub>2</sub> REVD POSITION OF WIRE #33 B <sub>2</sub> ADDED J619 J620 DESIGNAT	19 AUG 66	6-00189 REV'D PMS

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REQ	PART NO.	DESCRIPTION	QTY	UNIT SPEC
LIST OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES .01/ .001/ °			DEPARTMENT OF THE ARMY U. S. ARMY SIGNAL MATERIEL SUPPORT AGENCY FORT MONMOUTH NEW JERSEY	
DRAWN BY <i>L. [Signature]</i> DATE CHECKED BY <i>[Signature]</i> APPROVED BY <i>[Signature]</i>			CABLE, AUDIO	
SM-D-240001	SGO 448775	6-00189 REV'D PMS	SCALE 1/1	SM-D-343665
NEXT ASSY	USED ON	DATE 14 APR 60	CODE 80063	SHEET 2
WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY AND DATE.				