

# NONCODED PLUGS—KS-16081 THROUGH KS-16476

## DESCRIPTION

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### 1. GENERAL

**1.01** This section lists and illustrates noncoded plugs within the part or type number range of KS-16081 through KS-16476, used for the maintenance and operation of equipment in central offices.

**1.02** The information provided in this section was previously shown in Section 032-302-101, Issue 3. The KS-16081, L1 and L2, plugs were added to this section.

### 2. DESCRIPTION OF PLUGS

**2.01** *KS-16081, L1 and L2:* The KS-16081, L1 and L2, plugs (Fig. 1) are molded, rectangular blocks of insulating material with 20 terminals and mounting brackets at each end. These plugs mate with the KS-16080 sockets.

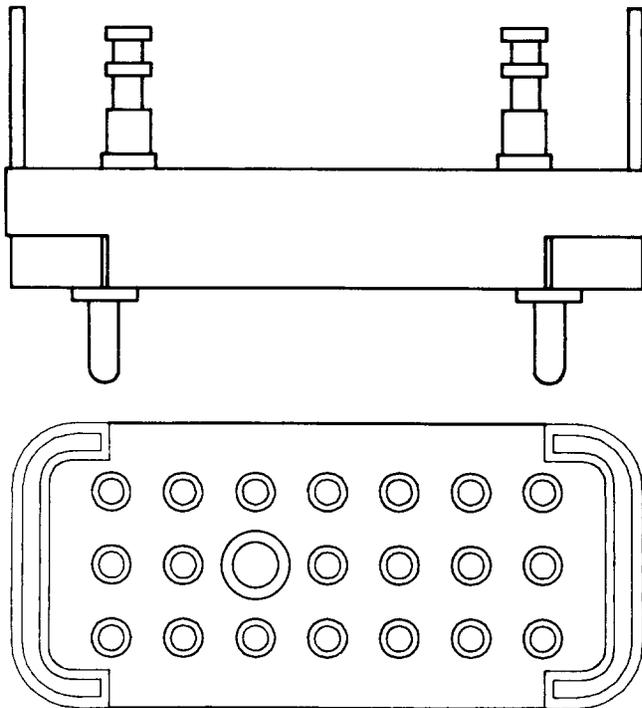


Fig. 1—KS-16081, L1 or L2, Plug

**2.02** *KS-16288:* The KS-16288 (Fig. 2) is a twin, coaxial plug and mates with the KS-16287 jack or KS-14324 jack.

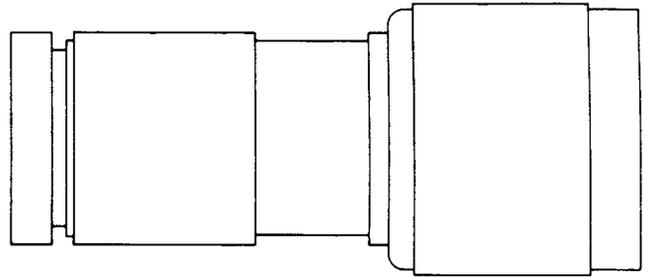


Fig. 2—KS-16288 Plug

**2.03** *KS-16424-Type:* The KS-16424-type are polarized, multicontact plugs.

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(a) **KS-16424, L1:** The L1 plug (Fig. 3) has eight gold-plated, nickel-silver, ribbon-type contacts and mates with a KS-16425, L1, receptacle.

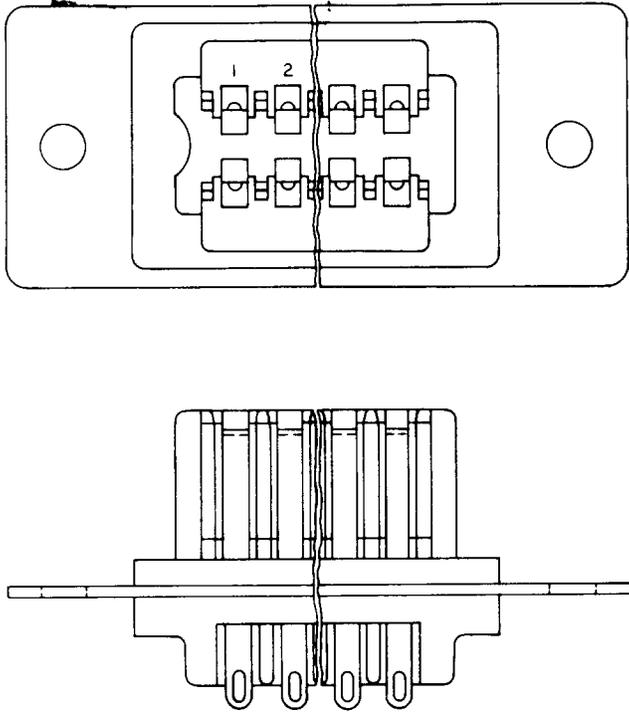


Fig. 3—KS-16424, L1, Plug

(b) **KS-16424, L2 and L7:** The L2 and L7 plugs (Fig. 4) have 16 gold-plated, nickel-silver, ribbon-type contacts and mate with the KS-16425, L2 and L16, receptacles.

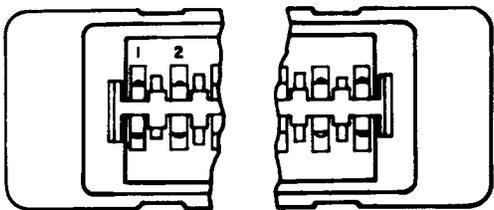


Fig. 4—KS-16424, L2, L3, L6, or L7, Plug

(c) **KS-16424, L3:** The L3 plug (Fig. 4) has 24 contacts and mates with the KS-16425, L3, receptacle.

(d) **KS-16424, L4:** The L4 (Fig. 5) plug consists of eight gold-plated, nickel-silver, ribbon-type contacts and mates with a KS-16425, L4, receptacle.

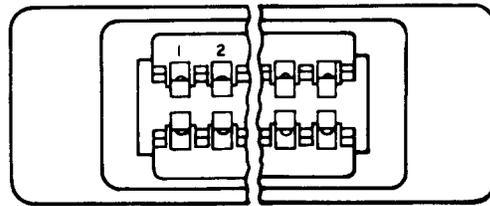


Fig. 5—KS-16424, L4, Plug

(e) **KS-16424, L5:** The L5 (Fig. 6) plug consists of eight gold-plated, nickel-silver, ribbon-type contacts and mates with a KS-16425, L4, receptacle.

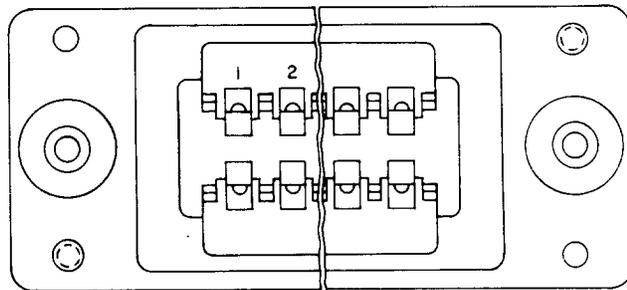


Fig. 6—KS-16424, L5, Plug

(f) **KS-16424, L6:** The L6 (Fig. 4) has 32 contacts and mates with the KS-16425, L5, receptacle.

**2.04 KS-16426-Type:** The KS-16426, L1 through L7, are polarized, multicontact, male and female plugs. They have gold-plated, nickel-silver, ribbon-type contacts. For more information, see Table A.

TABLE A

KS-16426 LIST NO.	FIG. NO.	TYPE	NO. OF CONTACTS	MATES WITH KS-16427 LIST NO.	PRIMARY USE
1	7	Male	8	1	TJ Radio System
2	7	Male	16	2	TJ Radio System
3	7	Male	16	3	TJ Radio System
4	7	Female	16	4	C1 Alarm and Control System
5	7	Male	24	8	Tandem Crossbar Systems
6	8	Male	24	—	L Multiplex System
7	9	Male	8	1	Announcement System

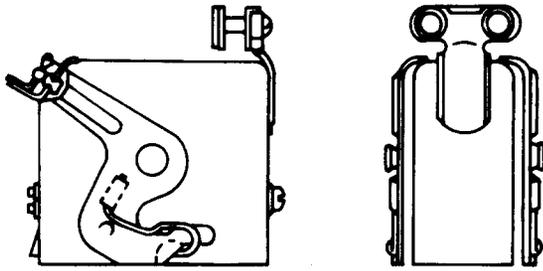


Fig. 7—KS-16426, L1, Through L5, Plug

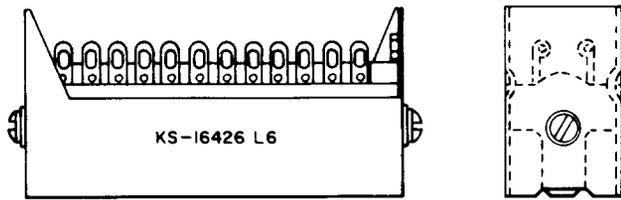


Fig. 8—KS-16426, L6, Plug

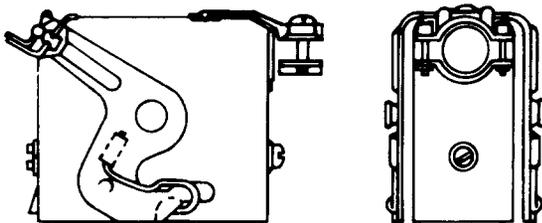


Fig. 9—KS-16426, L7, Plug

**2.05 KS-16428-Type:** The KS-16428-type are polarized, multicontact plugs consisting of a molded body within a metal shell. For more information, see Table B.

TABLE B

KS-16428 LIST NO.	NO. OF CONTACTS	CONTACT PIN DIA.	MATES WITH KS-16429 LIST NO.
1	14	.062	1
2	5	.040	2
3	24	.040	3
4	3	.062	4
5	14	.062	5
6	14	.062	6
7	14	.062	7
8	14	.062	8
9	24	.040	9
10	3	.062	10
11	3	.062	4
12	5	.040	2
13	3	0.40	11

(a) **KS-16428, L1, L2, L5, L9, L10, L12, and L13:** The L1, L2, L5, L9, L10, L12, and L13 (Fig. 10) are male plugs. A cable clamp is included for all but the L9 (right-angle version) plug. The KS-16598, L2, cable grip can be used for List 9. The engaging end of the plugs provides positive latching to the mating connector. These plugs are for use in the TH and TJ Radio Systems.

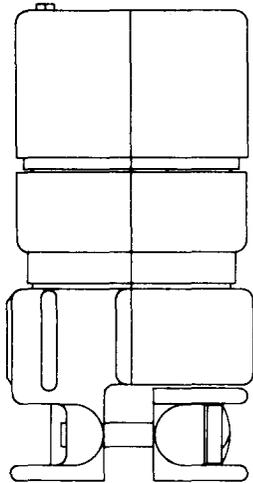


Fig. 10—KS-16428, L1, L2, L5, L9, L10, L12, or L13, Plug

(b) **KS-16428, L3, L4, L6, L7, L8, and L11:**

The L3, L4, L6, L7, L8, and L11, (Fig. 11) are female plugs. A cable clamp is included on all plugs. The engaging end of the plug provides positive latching to the mating connector. The KS-16428, L3 and L11, are right-angle versions of the plug. These plugs are for use in the TH and TJ Radio Systems.

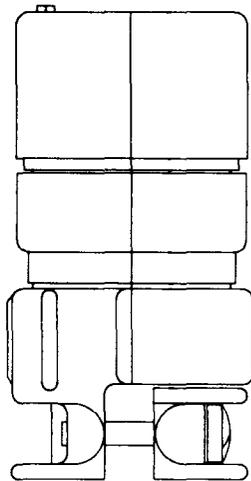


Fig. 11—KS-16428, L3, L4, L6, L7, L8, or L11, Plug

**2.06 KS-16462, L1 and L2:** The KS-16462, L1 and L2 (Fig. 12) are polarized, multicontact, male plugs with 16 gold-plated, nickel-silver, ribbon-type contacts. The KS-16462, L1, mates with the KS-16427, L2, receptacle. The use of the KS-16462, L2, is restricted to No. 1 Electronic Switching System (ESS). The KS-16462, L1, plug is used in the TJ Radio System.

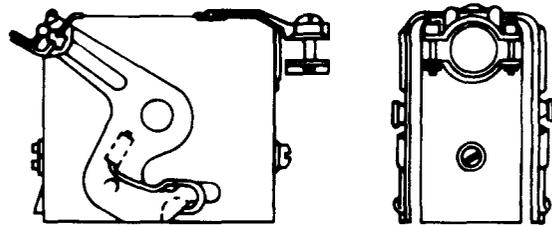


Fig. 12—KS-16462, L1 or L2, Plug

**2.07 KS-16476-Type:** The KS-16476-type are polarized, multicontact, male and female plugs. The contacts of the male plugs are nickel-silver. The contacts of the female plugs are phosphor-bronze. For more information, see Table C.

TABLE C

KS-16476 LIST NO.	FIG NO.	TYPE	NO. OF CONTACTS	MATES WITH	PRIMARY USE
1	13	Female	16	KS-16427, L4	TJ Radio System
2	13	Male	32	KS-16427, L5	TJ Radio System
3	13	Female	32	KS-16427, L6	TJ Radio System
4	14	Female	32	KS-16427, L6	Dial TWX Switching System
5	13	Female	16	KS-16427, L7	No. 1 ESS
6	13	Male	24	KS-16427, L8	No. 1 ESS
7	13	Female	24	KS-16427, L10	No. 1 ESS Tape Unit
8	15	Male	8	KS-16425, L1	811B Data Auxiliary Set
9	13	Female	16	KS-16427, L12	No. 1 ESS
10	13	Male	24	KS-16427, L13	No. 1 ESS
11	13	Male	32	KS-16476, L12	KS-20017 Tape Transport
12	16	Female	32	KS-16476, L11	KS-20017 Tape Transport
13	13	Male	24	KS-16427, L14	No. 1 ESS
14	17	Male	24	—	Restricted to No. 1 ESS
15	17	Female	24	—	Restricted to No. 1 ESS

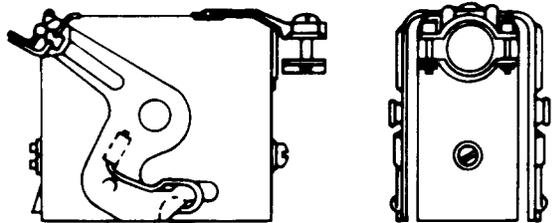


Fig. 13—KS-16476, L1, L2, L3, L5, L6, L7, L9, L10, L11, or L13, Plug

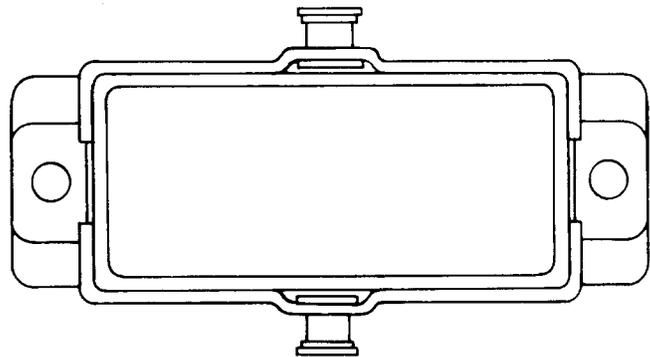


Fig. 16—KS-16476, L12, Plug

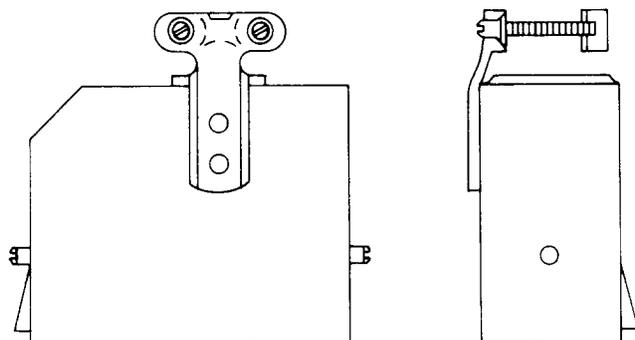


Fig. 14—KS-16476, L4, Plug

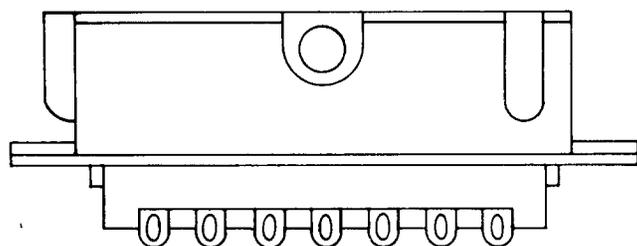


Fig. 15—KS-16476, L8, Plug

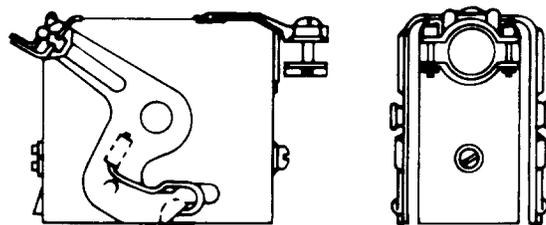


Fig. 17—KS-16476, L14 or L15, Plug