

## TESTING CORD ASSEMBLIES

### CORDS HAVING MORE THAN SIX CONDUCTORS

### W7A THROUGH W16C

### DESCRIPTION

#### 1. GENERAL

1.01 This section lists and illustrates the W7A through W16C cords.

1.02 This section is reissued to:

- Update the format
- Revise description for the W7B cord
- Rate the W10A and W12B cords Mfr Disc.

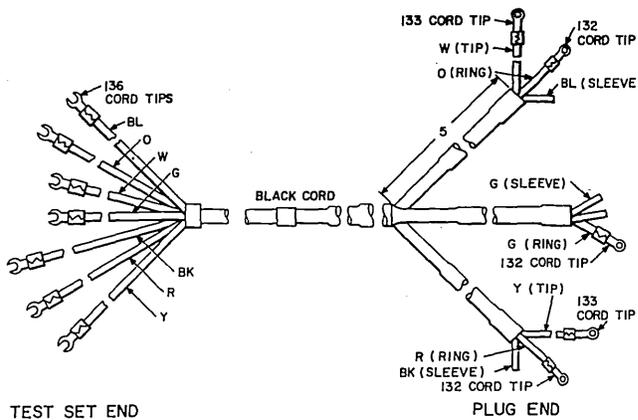
Revision arrows are used to emphasize the more significant changes. The Equipment Test List is not affected.

1.03 For general information on these cords, refer to Section 032-317-100.

#### 2. DESCRIPTION OF CORDS

##### W7A

10 feet long

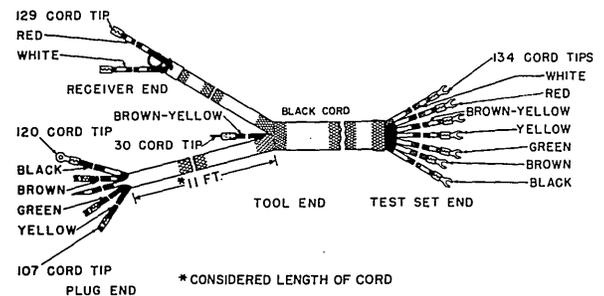


Res 0.21  $\Omega$ /ft

The W7A cord includes three 132 cord tips, two 133 cord tips, and seven 136 cord tips. The plug end is arranged for the 310 plugs. When ordered equipped with plugs, the arm containing the blue, orange, and white conductors will have a gray shell; the arm containing the yellow, red, and black conductors will have a red shell; and the arm containing the green conductors will have a black shell. At the later arm, a green strap conductor joins the body green conductor at the sleeve and loops over to the tip. The cord was initially intended to be used with the 40A and B test sets.

##### W7B

11 feet long



Res 0.21  $\Omega$ /ft

The W7B cord includes one 30 cord tip, three 107 cord tips, one 120 cord tip, two 129 cord tips, and seven 134 cord tips. The receiver end is arranged for a 716E tool. The plug end is arranged for a 240-type plug and a 360-type tool. The tool end is arranged for a 360-type tool. The cord was initially intended to be used as part of the 40C test set.

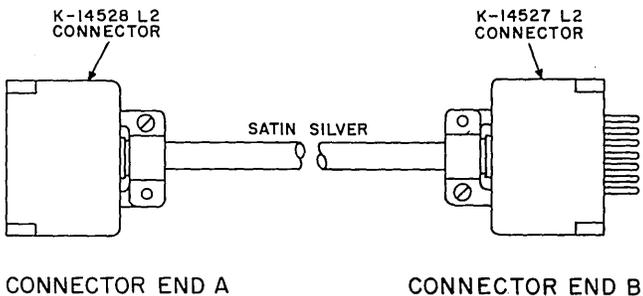
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SECTION 032-317-131

**W7C**

3 feet long

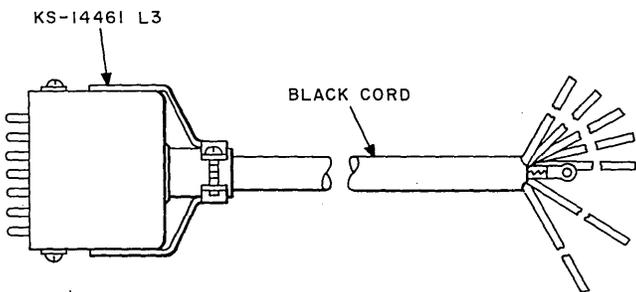


Res 0.05  $\Omega$ /ft

The W7C cord includes a KS-14528, L2, connector and a KS-14527, L2, connector. The terminals of one connector are connected to the corresponding lettered terminals of the other connector. The cord was initially intended for use with coin collector trunk units.

**W8C**

4 feet long



Res 0.017  $\Omega$ /ft

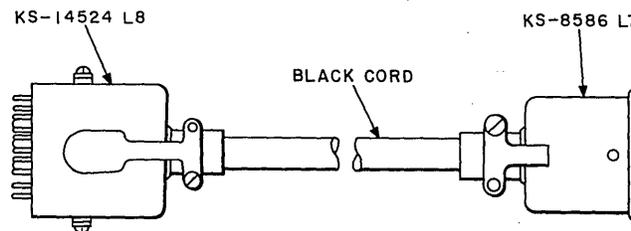
The W8C cord includes one KS-14461, L3, plug (20 contacts) and one 135 cord tip. The free conductors on the test set end are 10 inches long. The conductors are connected to the plug as follows:

Cond	Term. No.	Cond	Term. No.
Black	2	Yellow	10
Red	5	White	13
Blue	6	Red	Twisted Pair
Green	7	White	

The cord forms part of the J94002J repeater test set.

**W8D**

6 feet long



Res 0.017  $\Omega$ /ft

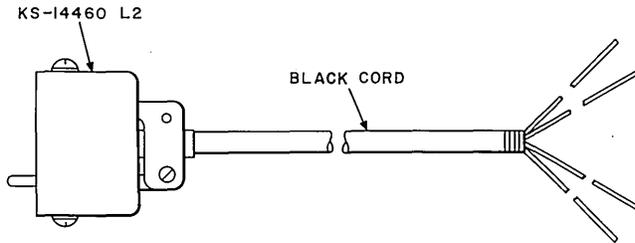
The W8D cord includes one KS-14524, L8, connector (15 contacts) and one KS-8586, L7, socket (8 contacts). Conductor terminations are as follows:

Conn Term. No.	Socket Term. No.	Conn Term. No.	Socket Term. No.
1	1	10	5
3	2	12	6
5	3	6	7
13	4	15	8←

The cord forms part of the J94002M repeater switching set.

**W8E**

4 feet long



Res 0.017 Ω/ft

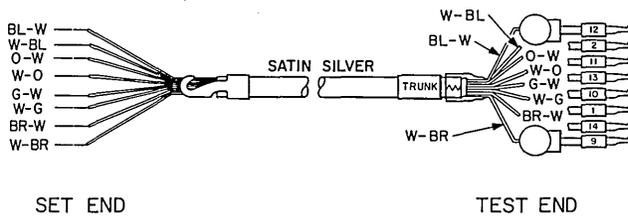
The W8E cord includes one KS-14460, L2, plug (20 contacts). The free conductors are 6 inches long. Conductor terminations are connected to the plug terminals as follows:

Cond	Term. No.	Cond	Term. No.
Red	0	Blue	12
Green	6	White	17
Yellow	4	Brown-Red	11
Black	5	Brown-Green	16

The cord was initially intended for use with the J64001AL power test set in connection with the L3 Carrier System.

**W8H**

8 feet long

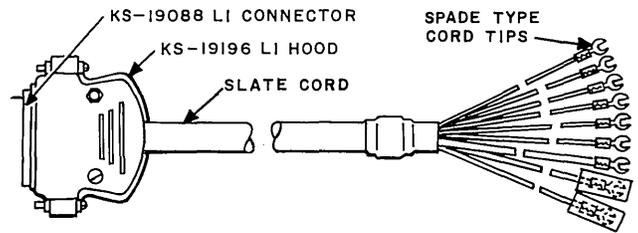


Res 0.05 Ω/ft

The test end is finished in free conductors, each terminating on an E-Z hook "Q" ball. The set end is finished in free conductors. The cord was initially intended for use with the AR646 circuit pack.

**W9A**

10 feet long



Res 0.05 Ω/ft

The W9A cord includes four shielded pairs of conductors with the shield forming the ninth conductor, one KS-19088, L1, conductor with a KS-19196 hood, and nine spade-type cord tips arranged for No. 4, 5, and 6 screws. The conductor connections to the connector are as follows: Terminals 5 and 12 of the connector are strapped.

Cond at Test End	Conn Term.	Cond at Test End	Conn Term.
Blue-White	1	White-Blue	9
Brown-White	2	White-Brown	10
Green-White	3	White-Orange	15
White-Green	5	Black-Shield	—
Orange-White	8		

The cord was initially intended for use with a J1D301B test set.

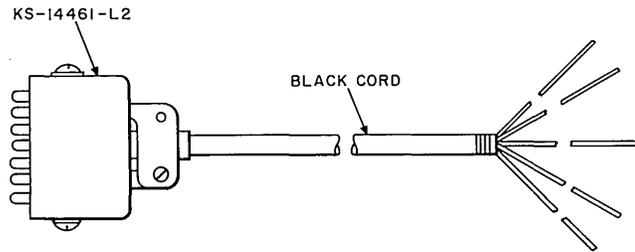
**W10A—MFR DISC.**

No replacement.⚡

**SECTION 032-317-131**

**W10B**

4 feet long



Res 0.017 Ω/ft

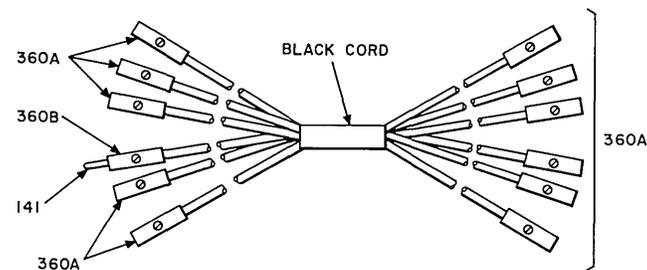
The W10B cord includes one KS-14461, L2, plug (20 contacts). The free conductors are 6 inches long. The conductors are connected to the plug terminals as follows: Terminals 15, 16, and 19 are strapped.

Cond	Term. No.	Cond	Term. No.
Red	0	Brown-Red	10
Green	1	Brown-Green	19
Yellow	4	Brown-Yellow	11
Black	7	Brown-Black	13←
Blue	9		
White	18		

The cord was initially intended for use with the J64001A1 power test set in connection with the L3 Carrier System.

**W12A**

1-1/2 inches long



Res 0.016 Ω/ft

The W12A cord includes eleven 360A tools and one 360B tool equipped with a 141 cord tip. The cord was initially intended for use in selecting the capacity values of 187-type capacitors which are used to balance circuits.

**W12B—MFR DISC.**

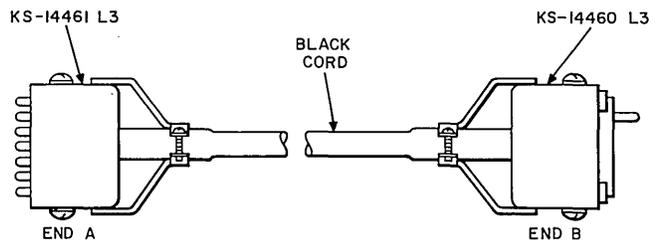
No replacement.

**W12D—MFR DISC.**

No replacement.

**W13A**

2 feet long

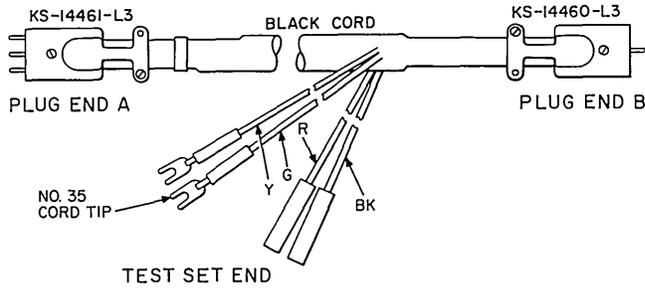


Res 0.017 Ω/ft

The W13A cord includes one KS-14461, L3, plug (20 contacts) and one KS-14460, L3, plug (20 contacts). Terminals 0, 1, 2, and 9 through 18 are connected to the corresponding numbered terminals of the other plug. The shields are connected to terminal 10 of both plugs. Terminals 3 through 8 and 19 of each plug have no connections to them. The cord was initially intended for use in testing the J94002N group unit switching set in the N1 Carrier Telephone System.

**W13B**

6 feet long

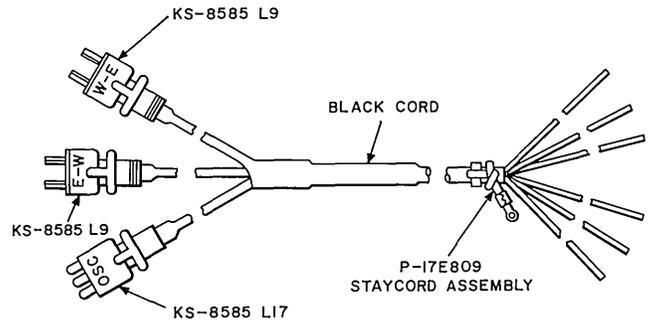


Res 0.010  $\Omega$ /ft

The W13B cord includes one KS-14461, L3, plug, one KS-14460, L3, plug, two KS-14530 test prod connectors, and two 35 cord tips. The black, red, green, and yellow conductors are connected to terminals 1, 6, 14, and 17, respectively, of the plug at plug end B. Terminals 2, 7, 9, 10, 12, 14, 16, 18, and 19 of plug at plug end A are connected to the corresponding numbered terminals of plug at plug end B. Terminals 2 and 4 of plug at plug end B are strapped together. The cord was initially intended for use with the L3 regulator in the J68854 TH radio message connecting links.

**W14B**

3 feet 8 inches long



Res 0.017  $\Omega$ /ft

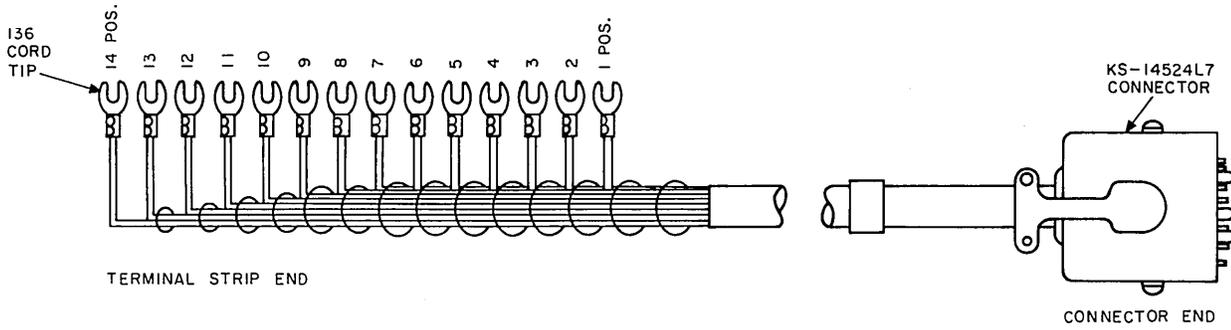
Pair	Term. No.	Plug
Black	*4	W-E
Red	*2	
Black (shield)	1	W-E
Black (conductor)	*3	
Black	*4	E-W
Blue	*2	
Yellow (shield)	1	E-W
Black (conductor)	*3	
Black	1	OSC
Yellow	2	
White	4	OSC
Red	3	
Blue	6	OSC
Red	5	

The W14B cord was initially intended for use with the J94002P tube test set in testing N1 Carrier Telephone Repeaters.

**SECTION 032-317-131**

**W14C**

10 feet long



Res 0.017 Ω/ft

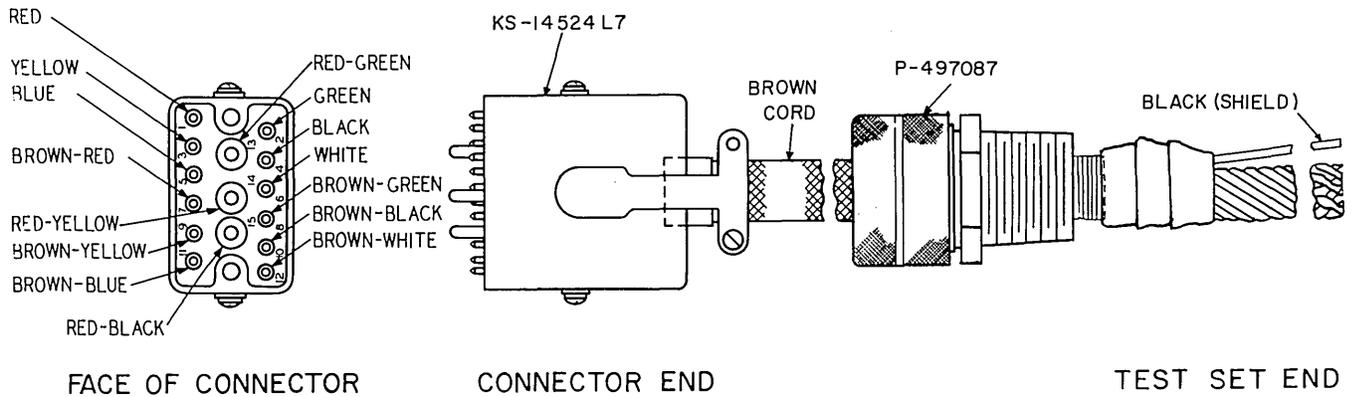
The W14C cord includes one KS-14524, L7, connector and fourteen 136 cord tips. Conductor connections are as follows:

Term. Strip End	Cond Color	Conn End
Cond Position		Conn Term
1	W-O	1
13	BR-W	2
3	O-W	3
11	W-BR	4
6	BL-R	5
2	G-W	6
10	R-BL	7
12	W-G	8
9	O-R	9
5	BL-W	10
8	R-O	11
7	W-BL	12
4	W-S	13
14	BK	15

The cord was initially intended to be used on the N2 Repeater Switching Set J99321S.

**W16B**

4 feet long

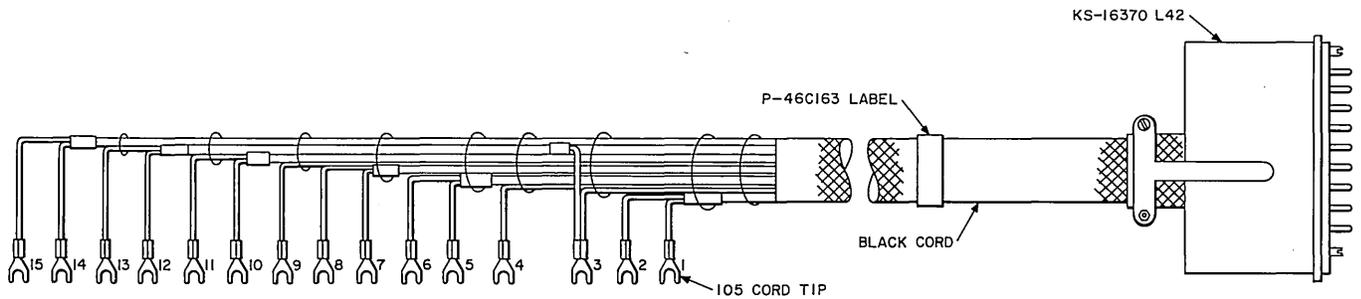


Res 0.017  $\Omega$ /ft

The W16B cord includes one KS-14524, L7, connector (15 contacts) and one P-497087 cord grip. The free conductors are 10 inches long. The cord was initially intended for use with the J64001AK tube test set in the TD-2 Radio System.

**W16C**

10 feet long



Res 0.27  $\Omega$ /ft

The W16C cord includes one KS-16370, L42, connector and fifteen P-16E525 cord tips. Cord terminations are as follows:

## W16C (Cont)

Terminal Strip End Conductor Position	Jacket Color Shielded Pair	Conductor Color	Connector End Term. No.
15	Yellow	Blue	A
4	—	White	B
1	Slate	White	C
14	Yellow	White	D
5	Blue	White	E
6	Blue	Blue	F
2	Slate	Blue	H
13	Brown	Blue	K
7	Orange	White	L
9	—	Red	M
12	Brown	White	N
10	Green	White	P
8	Orange	Blue	R
11	Green	Blue	S
3	—	Black	T
(a)3	—	Black	(b)

(a) Shield termination.

(b) No shield termination.

The cord was initially intended to be used on the N2 Repeater Switching Set J99321S.