

Table 2-1. CV-3510A/UG Interconnecting Data for Half Duplex Operation

Cable Type	Plug		Connections		Terminations		To	
	Symbol	Designation	Lead Color	Pin No.	From			
Twisted, shielded pair, 22 AWG (W6)	P9	MS3106 A14S-9P*	White	A (± 6 V)	Receive LO-loop output connector J9	Low-level teletype equipment		
			Black	B (GND)				
Twisted, shielded pair, 22 AWG (W5)	P7	MS3106 A14S-7P*	White	A (600)	Receive audio input connector J7	fsk receiver audio output		
			Black	B (600)				
				C (C/T)				
Twisted, shielded pair, 22 AWG	P6	MS3106 A14S-5P*	White	A (600)or	Transmit audio output connector J6	fsk transmitter audio input		
			Black	B (150)				
				C (COM)				
Twisted, shielded pair, 22 AWG (W4)	P6	MS3106 A14S-5P*	White	D	fsk transmitter key line			
			Black	E				
		* with cable clamp No. MS3057-6A						
		* with cable clamp No. MS3057-4A						

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

CAUTION

Table 2-1. CV-3510A/UG Interconnecting Data for Half Duplex Operation (continued)

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Twisted, shielded triplet, 22 AWG	P8	MS3106A10SL-3S**	White Red Black	A (+ loop) C (- loop) B (COM)	Receive HI-loop output connector J8	High-level teletype equipment keying loop (60 mA nom.)
22 AWG wire (W3)	P5	MS3106A14S-2S*	White Black	A (+ loop) B (COM)	Transmit loop input connector J5	High-level teletype equipment keying loop (60 mA nom.)
Power cable with ground (W2)	P4	MS3106A14S-7S*	White Black Green	A (LOW) C (HIGH) B (GND)	Power input connector J4	Primary power source (see paragraph 2-3)
Copper strap	-	-	-	-	GND terminal E1	System ground
Coaxial cable(W1)	P1	MS39012/16-0013	-	-	Remote tuning indicator output connector J1	Remote tuning indicator

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8
CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.									

with cable clamp No. MS3057-6A
**with cable clamp No. MS3057-4A

Note: Pin B - P8 and Pin A - P5 connected together at teletype patch panel for single power supply operation

Table 2-2. CV-3510A/UG Interconnecting Data for Full Duplex Operation

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Twisted, shielded pair, 22 AWG (W7)	P9	MS3106A14S-9P*	White	A (± 6V)	Receive LO-loop output connector J9	Low-level teletype equipment
			Black	B (GND)		
Twisted, shielded pair, 22 AWG (W6)	P8	MS3106A10SL-3S**	White	A (+ loop)	Receive HI-loop output connector J8	High-level teletype equipment (60mA nom)
			Red	C (- loop)		
			Black	B (COM)		
Twisted, shielded pair, 22 AWG (W5)	P7	MS3106A14S-7P*	White	A (600)	Receive audio input connector J7	fsk receiver audio output
			Black	B (600)		
				C (C/T)		

* with cable clamp No. MS3057-6A

* with cable clamp No. MS3057-4A

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

Table 2-2. CV-3510A/UG Interconnecting Data for Full Duplex Operation (continued)

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Twisted, shielded pair, 22 AWG (W4)	P6	MS3106A14S-5P*	White	A (600) or B (150)	Transmit audio output connector J6	fsk transmitter audio input
			Black	C (COM)		
			White Black	D E		
Twisted, shielded pair, 22 AWG (W3)	P5	MS3106A14S-2S*	White	A (± loop)	Transmit loop input connector J5	High-level teletype equipment keying loop (60 mA nom)
			Black or White Black	B (COM) C (± 6V) D (GND)		

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D		J7	J4	J5	J3		J2	J6	J8

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

*with cable clamp No. MS3057-6A
**with cable clamp No. MS3057-4A

Table 2-2. CV-3510A/UG Interconnecting Data for Full Duplex Operation (continued)

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Power cable with ground (W2)	P4	MS3106A14S-7S*	White Black Green	A (LOW) C (HIGH) B (GND)	power input connector J4	Primary power source (refer to paragraph 2-3).
Copper strap	-	-	-	-	GND terminal E1	System ground
Coaxial cable(W1)	P1	MS39012/16-0013	-	-	Remote tuning indicator output connector J1	Remote tuning indicator

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8
CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.									

Table 2-3. AN/URA-17E Interconnection Data for Half Duplex Diversity Operation
(Each CV-3510A/UG)

Cable Type	Plug		Connections Lead Color Pin No.	Terminations	
	Symbol	Designation		From	To
Twisted, shielded pair, 22 A WG (W8)	P9	MS3106A14S-9P*	White A (± 6 V)	Receive Lo-loop output connector J9	Low-level teletype equipment
			Black B (GND)		
Twisted, shielded pair, 22 A WG (W7)	P7	MS3106A14S-7P**	White A (600)	Receive audio input connector J7	fsk receiver audio output
			Black B (600)		
			C (C/T)		
Twisted, shielded pair, 22 A WG	P6	MS3106A14S-5P*	White A (600) or B (150)	Transmit audio output connector J6	fsk transmitter audio input
			Black C COM		
			White D		
Twisted, shielded pair, 22 A WG (W6)	P6	MS3106A14S-5P*	Black E		fsk transmitter key line
			White		

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

Tabl 2-3. AN/URA-17E Interconnection Data for Half Duplex Diversity Operation (continuation)
 (Each CV-3510A/UG).

Cable Type	Plug		Designation	Connections		Terminations	
	Symbol	Pin No.		Lead Color	Pin No.	From	To
Twisted, shielded triplet, 22 AWG	P8	MS3106A10SL-3S**	White	A (loop)	Receive HI-loop output connector J8	High-level teletype equipment keying loop (60 mA nom.)	
			Red	C (-loop)			
Black	B (COM)						
22 AWG wire (W5)	P5	MS3106A14S-2S*	White	A (± loop)	Transmit loop input connector J5	High-level teletype equipment keying loop (60 mA nom.)	
			Black	B (COM)			

Note: Pin B - P8 and Pin A - P5 connected together at teletype patch panel for single power supply operation

* with cable clamp No. MS3057-6A

** with cable clamp No. MS3057-4A

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D		J4	J5	J3		J2	J6	J8	J9

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

Table 2-3 AN/URA-17E Interconnection Data for Half Duplex Diversity Operation (continued)
(Each CV-3510A/UG).

Cable Type	Plug		Connections			Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To	
Power cable with ground (W4)	P4	MS3106A14S-7S*	White Black Green	A (LOW) C (HIGH) B (GND)	Power input connector J4	Line power source (refer to Paragraph 2-3)	
Copper strap	-	-	-	-	GND terminal E1	System ground	
Coaxial cable(W3)	P3	M39012/16-0013	-	-	Diversity B connector J3	Diversity A connector J2 of other CV-3510A /UG	

*with cable clamp No. MS3057-6A

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3		J2	J6	J8	

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

Table 2-3. AN/URA-17E Interconnection Data for Half Duplex Diversity Operation (continued)
(Each CV-3510A/UG).

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Coaxial cable(W2)	P2	M39012/16-0013-	-		Diversity A connector J2	Diversity B connector J3 of other CV-3510A/UG
Coaxial cable(W1)	P1	M39012/16-0013	-	-	Remote tuning indicator output connector J1	Remote tuning indicator

CAUTION

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3		J2	J6	J8	

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

TABLE 2-4. AN/URA-17E Interconnection Data for Full Duplex Diversity Operation
(Each CV-3510A/UG)

Cable Type	Plug		Designation	Connections		Terminations		To
	Symbol	Lead Color		Pin No.	From	To		
Twisted, shielded pair, 22 AWG (W9)	P9	White	MS3106A14S-9P*	A (± 6 V)	Receive Lo-loop output connector J9	Low-level teletype equipment		
		Black		B (GND)				
Twisted, shielded pair, 22 AWG (W8)	P8	White	MS3206A10SL-3S**	A (+ loop)	Receive Hi-loop output connector J8	High-level teletype equipment (60 mA nom)		
		Red		C (- loop)				
		Black		B COM				
Twisted, shielded pair, 22 A WG (W7)	P7	White	MS3106A14S-7P*	A (600)	Receive audio input connector J7	fsk receiver audio output		
		Black		B (600)				
				C (C/T)				

with cable clamp No. MS3057-6A
with cable clamp No. MS3057-4A

CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D	J7	J4	J5	J3			J2	J6	J8

CAUTION
CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

TABLE 2-4. AN/URA-17E Interconnection Data for Full Duplex Diversity Operation (continued)
(Each CV-3510A/UG).

Cable Type	Plug		Connections		Terminations																					
	Symbol	Designation	Lead Color	Pin No.	From	To																				
Twisted, shielded pair, 22 AWG	P6	MS3106A14S-5P*	White	A (600) or B (150) C (COM)	Transmit audio output connector J6	fsk transmitter audio input																				
			White	D																						
			Black	E																						
Twisted, shielded pair, 22 AWG (W6)	P6	MS3106A14S-5P*	White	A (± loop)	Transmit loop in put connector J5	High-level equipment keying loop (60 mA nom)																				
			Black	B (COM) or C (± 6V) D (GND)																						
Twisted, shielded pair, 22 AWG (W5)	P5	MS3106A14S-2S*	White	C (± 6V)	Transmit loop input connector J5	Low-level teletype equipment																				
			Black	D (GND)																						
with cable clamp No. MS3057-6A																										
**with cable clamp No. MS3057-4A																										
CAUTION																										
<table border="1" style="width: 100%; text-align: center;"> <tr> <td>CV-3510A</td> <td>J1</td> <td>J2</td> <td>J3</td> <td>J4</td> <td>J5</td> <td>J6</td> <td>J7</td> <td>J8</td> <td>J9</td> </tr> <tr> <td>CV-483D</td> <td>J7</td> <td>J4</td> <td>J5</td> <td>J3</td> <td></td> <td></td> <td>J2</td> <td>J6</td> <td>J8</td> </tr> </table> <p>CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.</p>							CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9	CV-483D	J7	J4	J5	J3			J2	J6	J8
CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9																	
CV-483D	J7	J4	J5	J3			J2	J6	J8																	

TABLE 2-4. AN/URA-17E Interconnection Data for Full Duplex Diversity Operation (continued)
(Each CV-3510A/UG).

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Power cable with ground (W4)	P4	MS3106A14S-7S*	White Black Green	A (LOW) C (HIGH) B (GND)	Power input connector J4	Primary power source (refer to paragraph 2-3)
Copper strap	-	-	-	-	GND terminal E1	System ground
Coaxial cable(W3)	P3	M39012/16-0013	-	-	Diversity B Connector J3	Diversity A Connector J2 of other CV-3510A /UG


CAUTION

CV-3510A J1 J2 J3 J4 J5 J6 J7 J8 J9
 CV-483D J7 J4 J5 J3 J2 J6 J8
 CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.

*with cable clamp No. MS3057-6A
 **with cable clamp No. MS3057-4A

Table 2-4. AN/URA-17E Interconnection Data for Full Duplex Diversity Operation (continued)
(Each CV-3510A/UG)

Cable Type	Plug		Connections		Terminations	
	Symbol	Designation	Lead Color	Pin No.	From	To
Coaxial Cable(W2)	P2	M39012/16-0013	-	-	Diversity A Connector J2	Diversity B Connector J3 of other CV-3510A /UG
Coaxial cable(W1)	P1	M39012/16-0013	-	-	Remote tuning indicator output connector J1	Remote tuning indicator



CV-3510A	J1	J2	J3	J4	J5	J6	J7	J8	J9
CV-483D		J7	J4	J5	J3		J2	J6	J8

CV-3510A CONNECTIONS CORRESPOND TO THE CV-483D CONNECTIONS SHOWN IN CHART.