

ADDENDUM

WIRE WRAPPING FOR SONEPLEX WIDEBAND 3190 HMS-358 LIST 1 AND LIST 2

DSX-1 Only (3192 Line Units)

This addendum is an update to the HMS-358 List 1 and List 2 Installation and Verification Guide (LTPH-SM-1014-01). It is a guideline for updating the HMS-358 List 1 and List 2 chassis to support non-multiplexer applications. The wire-wrapping option shown in Figure 1 is for use with four-wire 3192 line units in Central Office (CO) systems that are not supporting an internal multiplexer function.

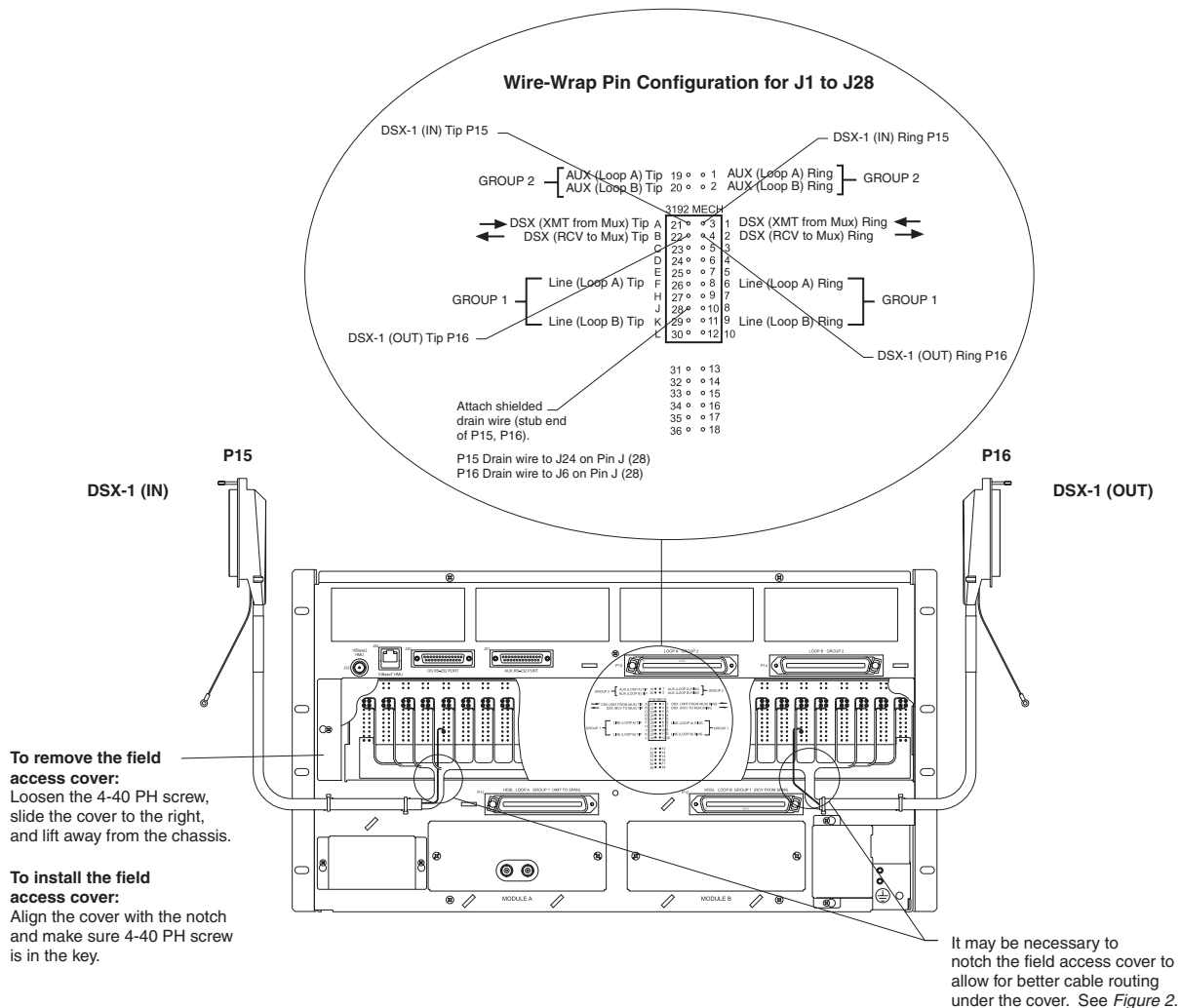


Figure 1. Wire-wrapping the HMS-358 List 1 and List 2 Chassis



1156515

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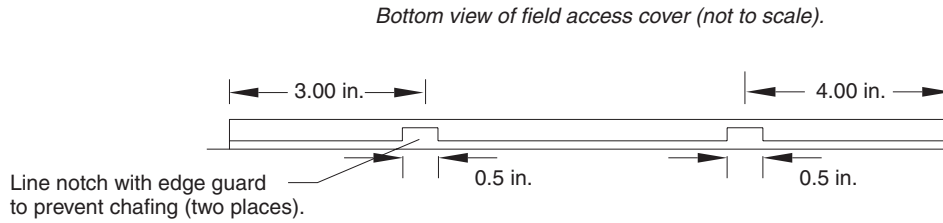


Group 1 (Port 1) connections typically provide a four-wire connection to the field and can be made through P11 (TX) and P12 (RX) or through wire-wrap connections under the field access cover ([Figure 1](#)). Group 2 (Port 2) connections can only be accessed through four wire-wrap posts under the field access cover.

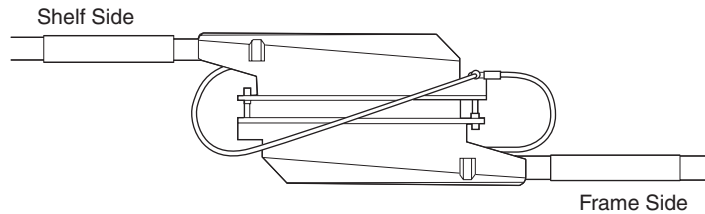


- If P15 and P16 cables are connected, no multiplexer can be installed.
- If a multiplexer is installed, P15 and P16 cables cannot be connected.

To provide better cable routing, notch the field access cover as shown in [Figure 1](#) on page 1 and in [Figure 2](#) below.



For continuous shielding, connect both drain wires together as shown in [Figure 3](#).



[Table 1](#) on page 3 and [Table 2](#) on page 4 list the pin assignments for the P15 and P16 connectors.

Table 1. P15 Transmit Pinout

SLOT	BINDER	COLOR	PIN		COLOR	PIN
1	Blue	BL-W	1		W-BL	A
2		O-W	1		W-O	A
3		GN-W	1		W-GN	A
4		BR-W	1		W-BR	A
5		SL-W	1		W-SL	A
6		BL-R	1		R-BL	A
7		O-R	1		R-O	A
8		GN-R	1		R-GN	A
9	Orange	BL-W	1		W-BL	A
10		O-W	1		W-O	A
11		GN-W	1		W-GN	A
12		BR-W	1		W-BR	A
13		SL-W	1		W-SL	A
14		BL-R	1		R-BL	A
15		O-R	1		R-O	A
16	Green	BR-R	1		R-BR	A
17		SL-R	1		R-SL	A
18		BL-BK	1		BK-BL	A
19		O-BK	1		BK-O	A
20		GN-BK	1		BK-GN	A
21		BR-BK	1		BK-BR	A
22		SL-BK	1		BK-SL	A
23		BL-Y	1		Y-BL	A
24	Brown	O-Y	1		Y-O	A
25		GN-Y	1		Y-GN	A
26		BR-Y	1		Y-BR	A
27		SL-Y	1		Y-SL	A
28		BL-V	1		V-BL	A
29		O-V	Spare		V-O	Spare
30		GN-V	Spare		V-GN	Spare
31		BR-V	Spare		V-BR	Spare
32		SL-V	Spare		V-SL	Spare
J24		Drain Wire ^a				J

a. Drain Wire must be covered for the entire length with a shrink tube.

Table 2. P16 Receive Pinout

SLOT	BINDER	COLOR	PIN		COLOR	PIN
1	Blue	BL-W	2		W-BL	B
2		O-W	2		W-O	B
3		GN-W	2		W-GN	B
4		BR-W	2		W-BR	B
5		SL-W	2		W-SL	B
6		BL-R	2		R-BL	B
7		O-R	2		R-O	B
8		GN-R	2		R-GN	B
9	Orange	BL-W	2		W-BL	B
10		O-W	2		W-O	B
11		GN-W	2		W-GN	B
12		BR-W	2		W-BR	B
13		SL-W	2		W-SL	B
14		BL-R	2		R-BL	B
15		O-R	2		R-O	B
16	Green	BR-R	2		R-BR	B
17		SL-R	2		R-SL	B
18		BL-BK	2		BK-BL	B
19		O-BK	2		BK-O	B
20		GN-BK	2		BK-GN	B
21		BR-BK	2		BK-BR	B
22		SL-BK	2		BK-SL	B
23		BL-Y	2		Y-BL	B
24	Brown	O-Y	2		Y-O	B
25		GN-Y	2		Y-GN	B
26		BR-Y	2		Y-BR	B
27		SL-Y	2		Y-SL	B
28		BL-V	2		V-BL	B
29		O-V	Spare		V-O	Spare
30		GN-V	Spare		V-GN	Spare
31		BR-V	Spare		V-BR	Spare
32		SL-V	Spare		V-SL	Spare
J6		Drain Wire ^a				J

a. Drain Wire must be covered for the entire length with a shrink tube.