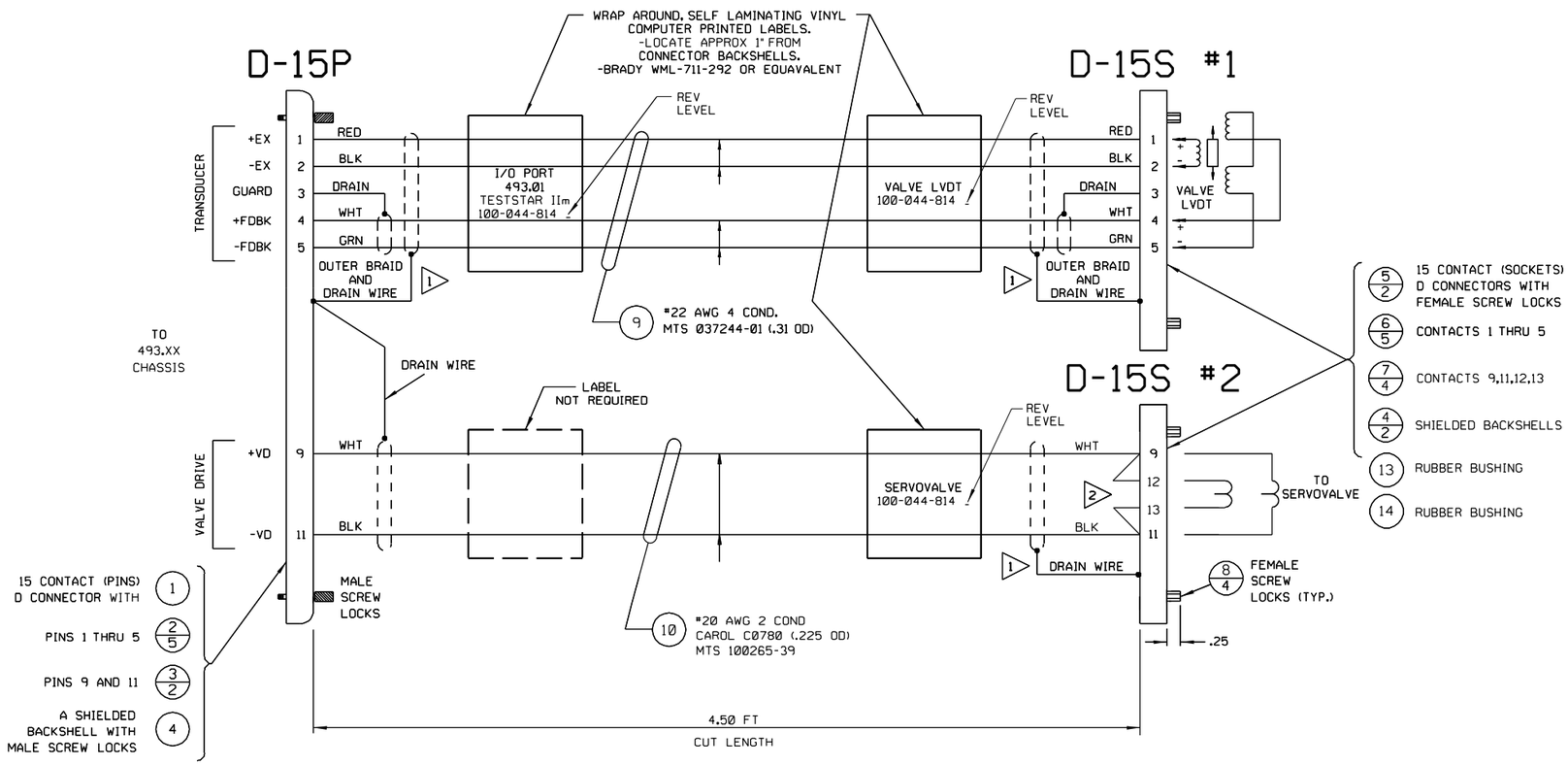

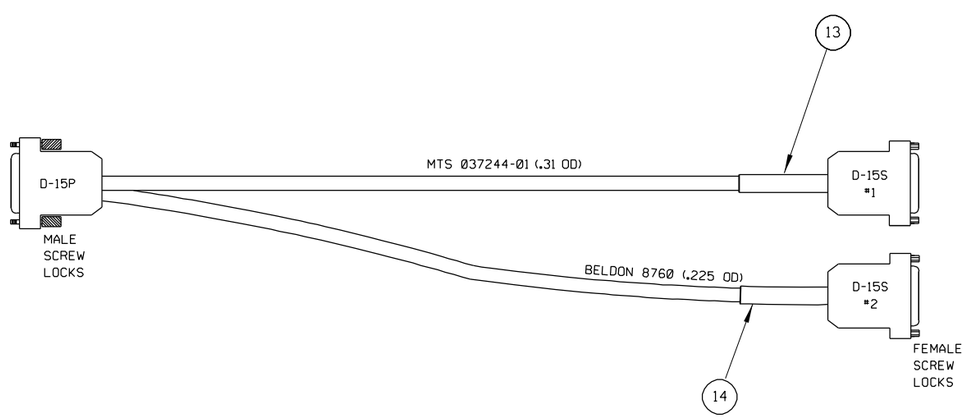

NOTE:

1. SEE SHEET 2 FOR SHIELDING DETAIL.
2. USE 22 AWG BLUE FOR JUMPER

REVISIONS

DESCRIPTION			LETTER	ECN NO.
DRAWN	ENGR	DATE		

SOURCE/REF DRAWING: 100-044-814

PROPRIETARY DATA

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UNLESS OTHERWISE SPECIFIED

MATERIAL DESCRIPTION

MATERIAL SIZE

FINISH — MASK M

· THREAD DEPTHS ARE TO MIN FULL THDS
· DRILL DEPTHS ARE TO FULL DIA
· REMOVE BURRS AND SHARP EDGES
· DO NOT SCALE PRINT

SCALE NONE

MACHINED SURFACES 180 √

.XXX HOLE SIZE TOLERANCE: 0.000 TO .750 +.010/-.002; OVER .750 TO 1.500 +.015/-.003

GENERAL TOLERANCES: ANGLE ±2°; X/Y ±1/4; .X ±.1; .XX ±.03; .XXX ±.010

THIRD ANGLE PROJ.

MTS SYSTEMS CORPORATION
EDEN PRAIRIE, MINNESOTA U.S.A. ©

DRAWN	CHECK	ENGR	MFG
JAH		JAH	
DATE 05-09	DATE	DATE 05-09	DATE

TITLE: Y ADAPTER- SERVOVALVE & VALVE LVDT

NEXT LEVEL

PRODUCT CODE: ASDPRJ

SIZE	NUMBER	REV
D	100-213-369	A

SHEET 1 OF 2

D-15P END

MTS 037244-01 #22 AWG 4 CONDUCTOR CABLE (I/O PORT CONNECTOR)

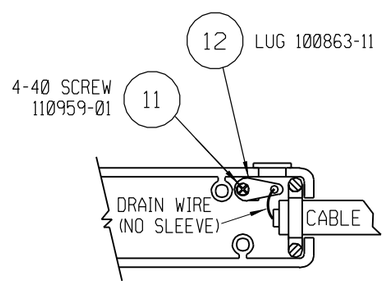
1. STRIP BACK OUTER JACKET AS REQUIRED.
2. FOLD BACK OUTER BRAID AND OUTER DRAIN IN BACKSHELL CLAMP AREA.
3. INNER WHITE/GREEN PAIR PREPARATION (SEE DETAIL "A"):
   A. STRIP BACK INNER JACKET
      -LEAVE APPROX 1/4 INCH EXPOSED SO SHRINK ON CAN BE ADDED, (SEE #3, C).
   B. TRIM INNER BRAID BACK SAME DISTANCE.
      -DO NOT TRIM OFF INNER DRAIN WIRE.
   C. SLEEVE INNER DRAIN WIRE WITH TEFLON AND ADD SHRINK ON TUBING AROUND INNER PAIR'S JACKET, BRAID AND DRAIN.
      -INNER BRAID AND DRAIN MUST BE INSULATED FROM THE OUTER BRAID AND BACKSHELL.
   D. ADD D CONNECTOR CRIMP CONTACT TO INNER DRAIN AND INSERT IN CONNECTOR POSITION #3.
4. PREP INDIVIDUAL COLORED WIRES, ADD D CONNECTOR CRIMP CONTACTS AND INSERT IN CONNECTOR POSITIONS #1, #2, #4, AND #5.
5. ADD BRADY LABEL AS SHOWN ON SHEET ONE.

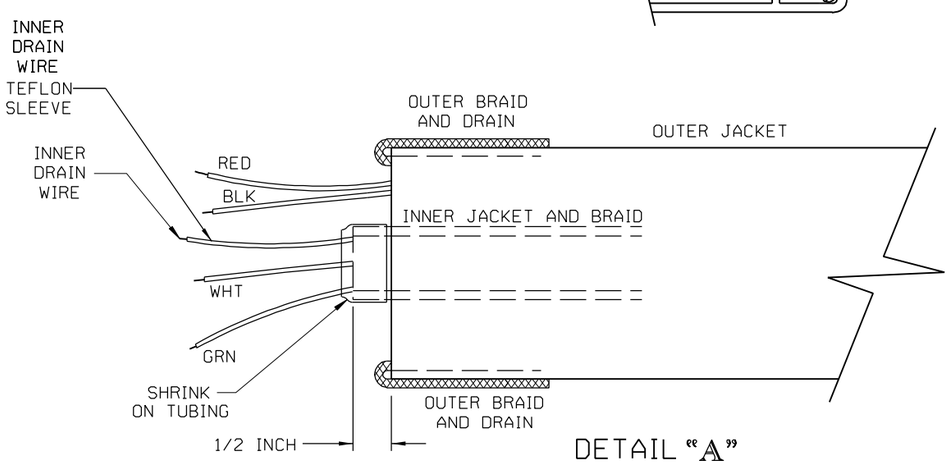
BELDEN 8760 #18 AWG 2 CONDUCTOR CABLE

1. STRIP BACK JACKET AS REQUIRED.
2. STRIP BACK OUTER FOIL SHIELD SAME DISTANCE (SEE DETAIL "B")
   -DO NOT TRIM OFF DRAIN WIRE.
3. PREP INDIVIDUAL COLORED WIRES, ADD D CONNECTOR, SOLDER CONTACTS AND INSERT IN CONNECTOR POSTIONS (#9 AND #11).
4. NO LABEL

SHIELDED BACKSHELL ▷1

1. CONNECT #037244-01 CABLE OUTER BRAID AND BELDEN 8760 CABLE DRAIN WIRE TO BACKSHELL (SLEEVING NOT REQUIRED).
2. INSTALL BACKSHELL WITH MALE SCREW LOCKS.





DETAIL "A"
MTS 037244-01
CABLE

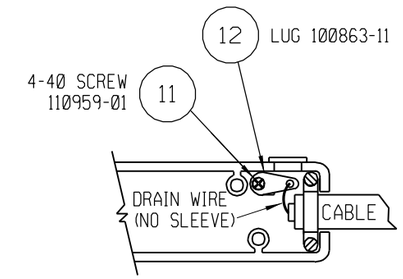
D-15S #1 END

MTS 037244-01 #22 AWG 4 CONDUCTOR CABLE (VALVE LVDT CONNECTOR)

1. SAME AS D-15P END
2. SAME AS D-15P END
3. SAME AS D-15P END
4. SAME AS D-15P END
5. SAME AS D-15P END

SHIELDED BACKSHELL ▷1

1. CONNECT #037244-01 CABLE OUTER BRAID TO BACKSHELL.
2. INSTALL BACKSHELL
   -FEMALE SCREW LOCKS ARE PART OF D CONNECTOR.



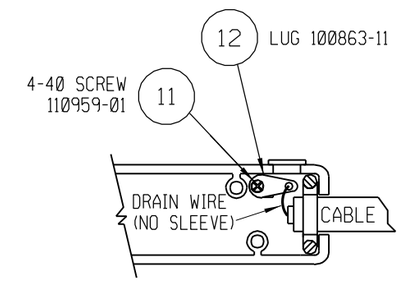
D-15S #2 END

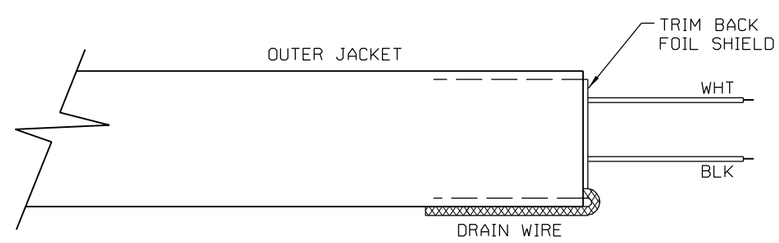
BELDEN 8760 #18 AWG 2 CONDUCTOR CABLE (SERVOVALVE CONNECTOR)

1. SAME AS D-15P END
2. SAME AS D-15P END
3. SAME AS D-15P END
4. ADD BRADY LABEL AS SHOWN ON SHEET ONE.

SHIELDED BACKSHELL ▷1

1. CONNECT BELDEN 8760 CABLE DRAIN WIRE TO BACKSHELL. (SLEEVING NOT REQUIRED).
2. INSTALL BACKSHELL
   -FEMALE SCREW LOCKS ARE PART OF D CONNECTOR.





DETAIL "B"
BELDEN 8760
CABLE

REVISIONS					
DESCRIPTION				LETTER	ECN NO.
DRAWN	ENGR	DATE			

SOURCE/REF DRAWING: 100-044-814

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UNLESS OTHERWISE SPECIFIED

MATERIAL DESCRIPTION
MATERIAL SIZE
FINISH — MASK M▷

· THREAD DEPTHS ARE TO MIN FULL THDS
· DRILL DEPTHS ARE TO FULL DIA
· REMOVE BURRS AND SHARP EDGES
· DO NOT SCALE PRINT

SCALE NONE
MACHINED SURFACES 180 √

.XXX HOLE SIZE TOLERANCE: 0.000 TO .750 +.010/-.002; OVER .750 TO 1.500 +.015/-.003

GENERAL TOLERANCES: ANGLE ±2°; X/Y ±1/4; .X ±.1; .XX ±.03; .XXX ±.010

THIRD ANGLE PROJ.

MTS SYSTEMS CORPORATION
EDEN PRAIRIE, MINNESOTA U.S.A. ©

DRAWN	CHECK	ENGR	MFG
JAH		JAH	
DATE 05-09	DATE	DATE 05-09	DATE

TITLE: Y ADAPTER- SERVOVALVE & VALVE LVDT

NEXT LEVEL

PRODUCT CODE: ASDPRJ

SIZE	NUMBER	REV
D	100-213-369	A

SHEET 2 OF 2