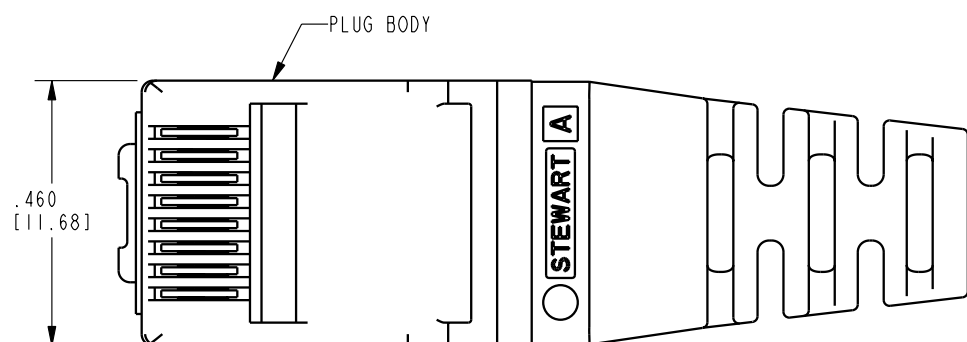
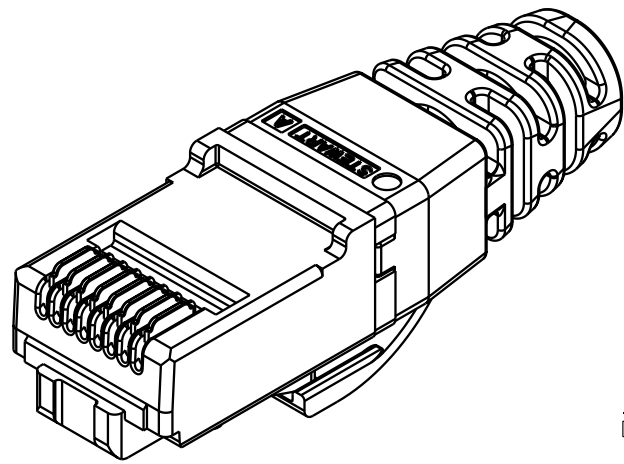
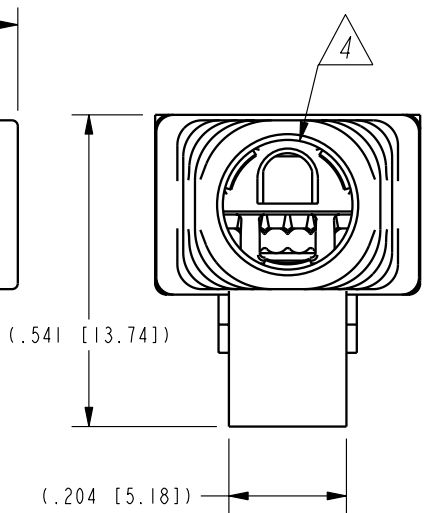
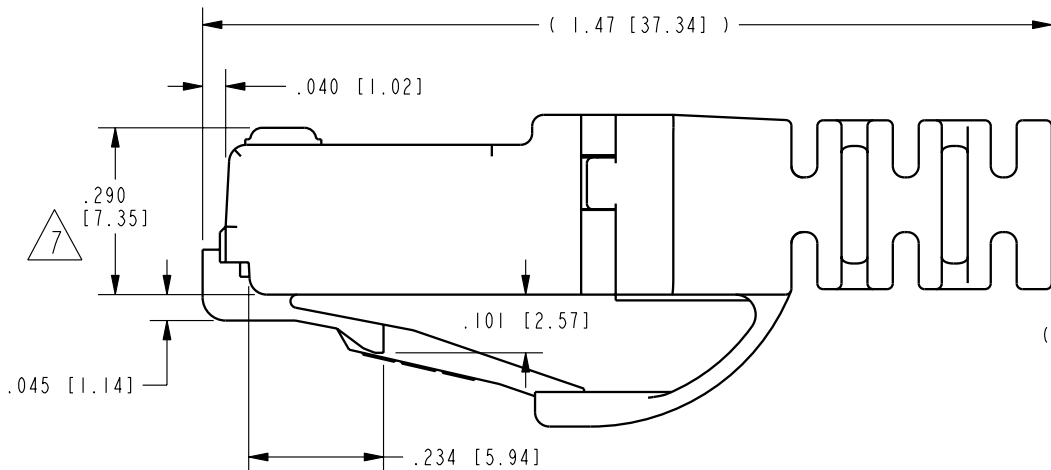
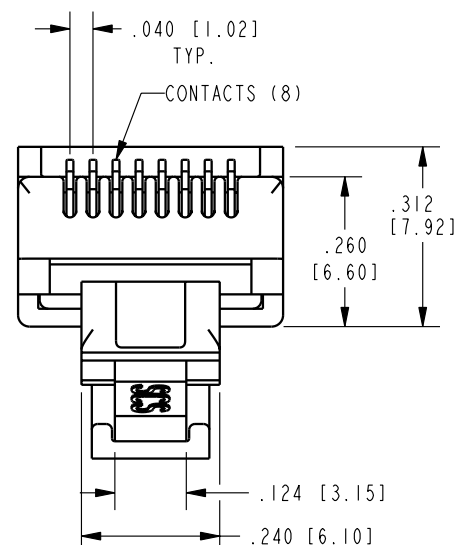


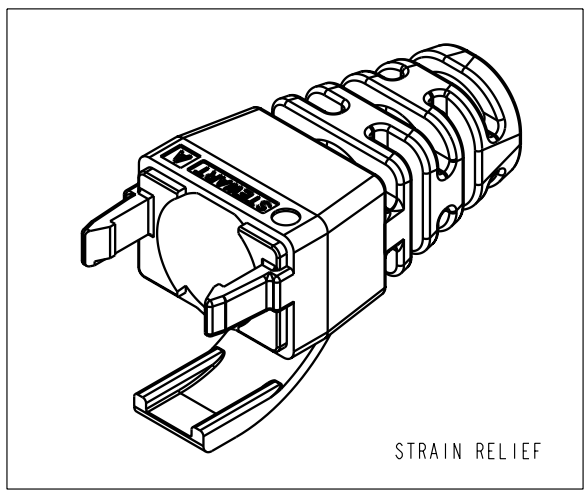
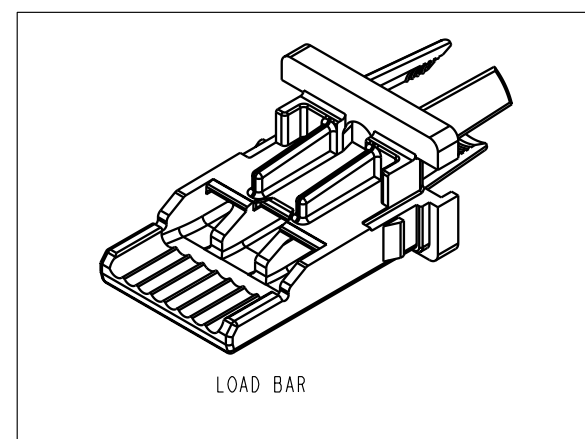
DATE	REV.	ECN	APP'D BY
9-22-05	B1	7264	TRM
11-1-05	B2	7365	TRM
1-23-06	B3	7441	JM



- NOTES:
- PLUG KIT CONSISTS OF:
PRE-INSERTED PLUG BODY
LOAD BAR
STRAIN RELIEF
 - MATERIALS:
PLUG BODY: CLEAR POLYCARBONATE, UL 94-V0
LOAD BAR: CLEAR POLYCARBONATE, UL 94-V0
STRAIN RELIEF: CLEAR POLYCARBONATE, UL 94-V0
CONTACTS: COPPER ALLOY, SELECTIVE GOLD PLATING
 - CONTACTS TERMINATE SOLID OR STRANDED CONDUCTORS BETWEEN .037 [0.94] TO .042 [1.07] OUTSIDE DIAMETER OF INSULATION.
 - STRAIN RELIEF IS FOR CABLES WITH OUTSIDE DIAMETERS OF .220 [5.59] TO .230 [5.84].
 - PLUG SPECIFICATION: FOR CATEGORY 6 APPLICATIONS.
 - TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
 - TERMINATED PLUG HEIGHT: .237 [6.02] ±.005 [0.13].
 - FOR PRODUCT SPECIFICATION SEE PR026-01



BAG OF 1000	50 MICRO-INCHES [1.27um]	SS-39100-016
BAG OF 25	50 MICRO-INCHES [1.27um]	SS-39100-017
BULK	50 MICRO-INCHES [1.27um]	SS-39100-008
PACKAGE	CONTACT PLATING IN MATING AREA	PART NUMBER



THIRD ANGLE PROJECTION

 DO NOT SCALE DRAWING
 DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS: INCHES [METRIC]
 UNLESS OTHERWISE SPECIFIED TOLERANCES ARE ±.005 [0.13] ANGLES ARE ±1°
 SHEET NO. 1 OF 1

Bel Stewart Connector

11118 Susquehanna Trail South
 Glen Rock, PA 17327-9199
 (717) 235-7512 Fax: (717) 235-7954 <http://www.stewartconnector.com>

TITLE: 8 POSITION/8 CONDUCTOR CAT6 UNSHIELDED PLUG
 LOAD BAR & STRAIN ASS'Y (ANTI-SNAG VERSION)

DRN BY: TRM	DATE: 1-15-04
APPD BY: RGC	DATE: 2-13-04
DWG. NO. CT390027	REV. B3

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPRIETARY PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONSENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

B

B

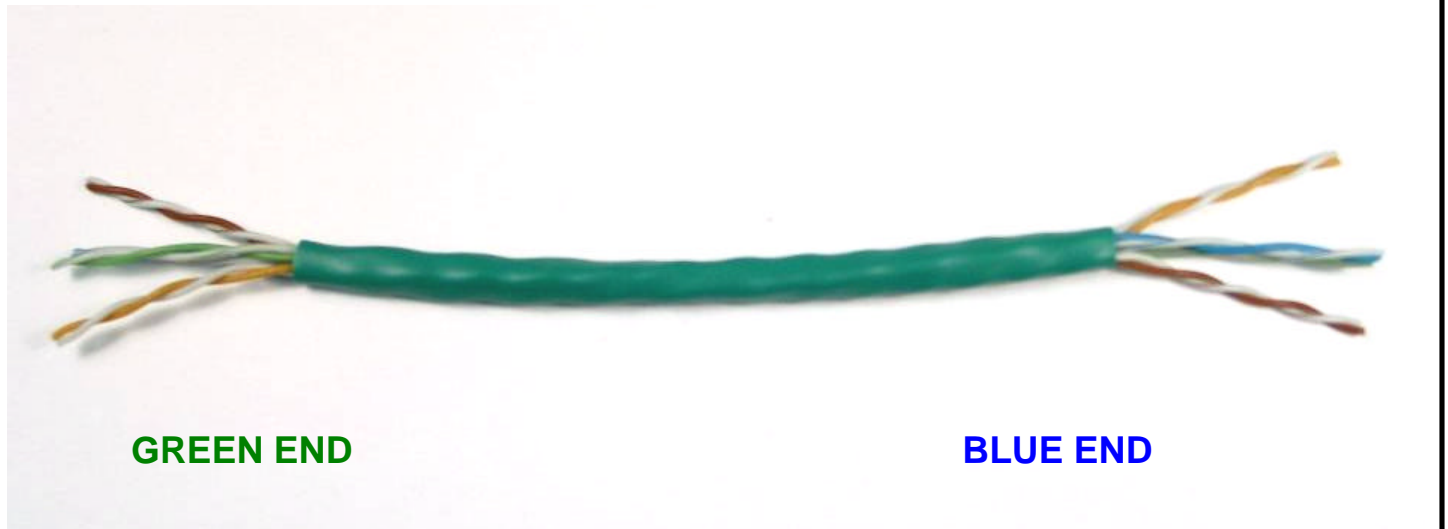
A

A

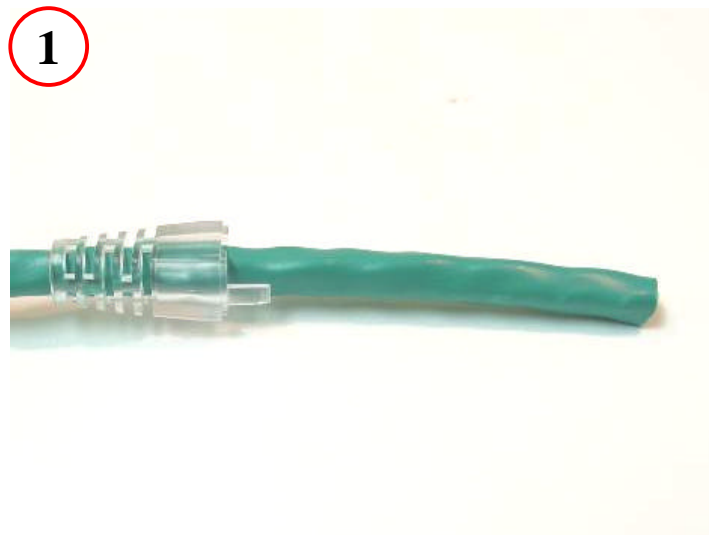
Bel Stewart Connector

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39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS



One end of cable has **Green** on top, other end has **Blue** on top. **Green** end steps will be shown on left, **Blue** steps shown on right. Common steps will be in the middle.



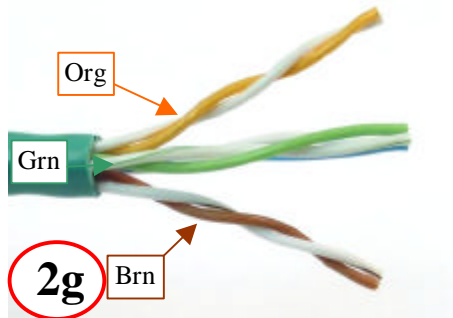
Slide Strain Relief onto cable

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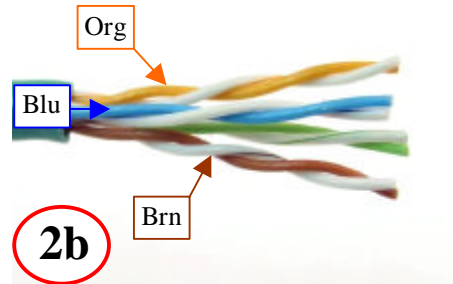
39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS

GREEN

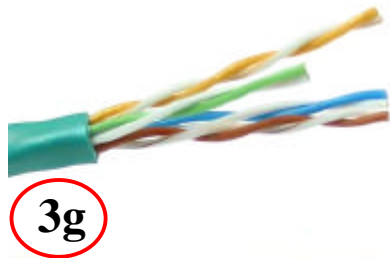


Strip off approximately 1 ¼ inch of cable jacket

BLUE



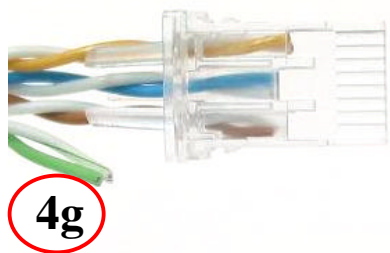
Strip off approximately 1 ¼ inch of cable jacket



Separate Grn pair and trim ¼" off end



Separate Blu pair and trim ¼" off end



First insert Org, Blu, Brn pairs into lower row of load bar, then insert Grn into upper row



First insert Org, Grn, Brn pairs into lower row of load bar, then insert Blu into upper row

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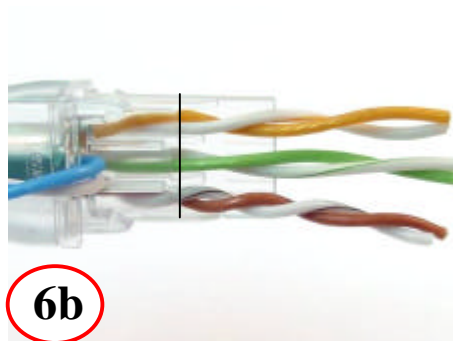
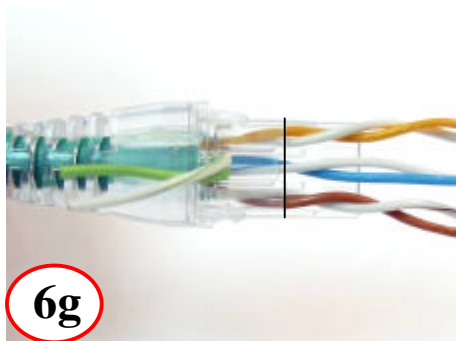
39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS



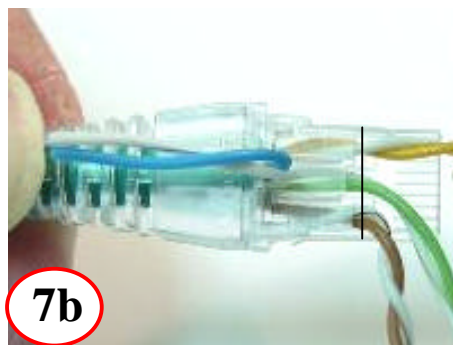
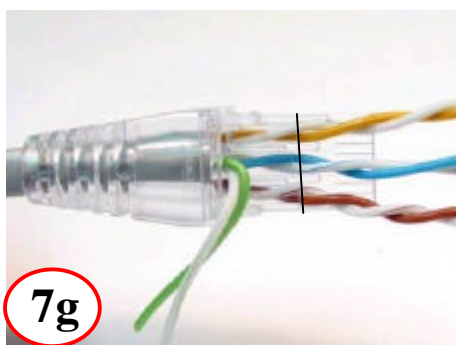
Latch strain relief onto load bar

GREEN

BLUE



Check wire alignment – here, Org is aligned wrong, needs $\frac{1}{2}$ twist



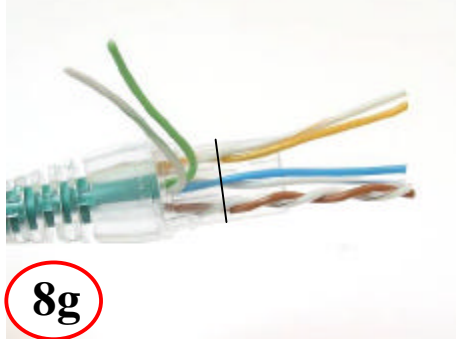
Add $\frac{1}{2}$ twist so Org pair is aligned correctly –
PAIRS MUST HAVE $\frac{1}{2}$ to 1 TWIST ONLY

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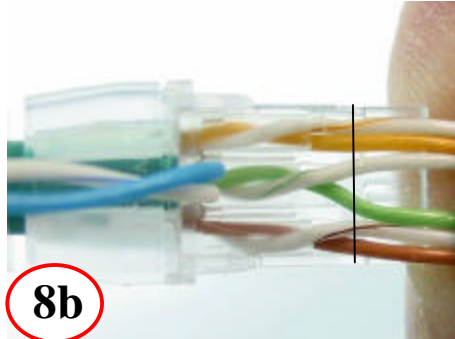
39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS

GREEN

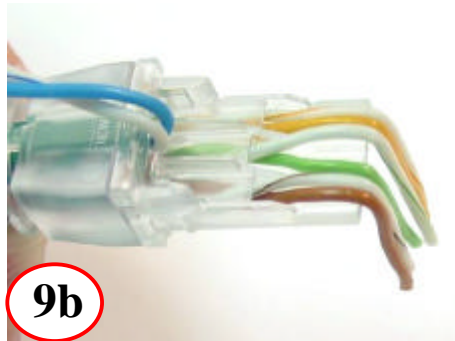


Untwist lower three pairs back to ends of side walls

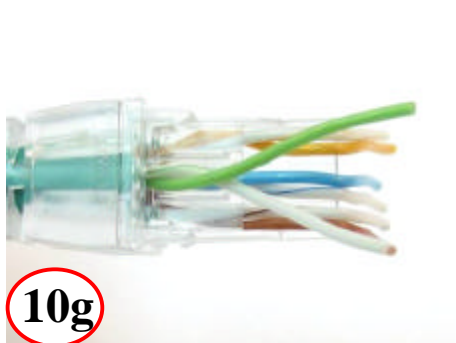
BLUE



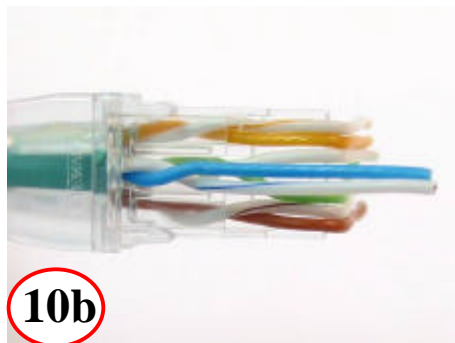
Untwist lower three pairs back to ends of side walls. Spread Grn pair



Bend lower pairs back at @90° angle



Check Grn pair for alignment
Add ½ twist if necessary



Check Blu pair for alignment
Add ½ twist if necessary

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39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS

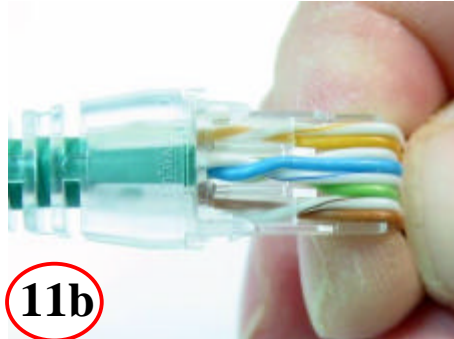
GREEN



11g

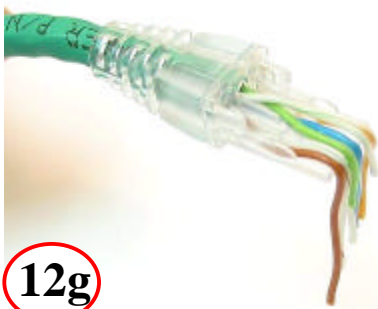
Form Grn pair so it fits around Blu pair

BLUE



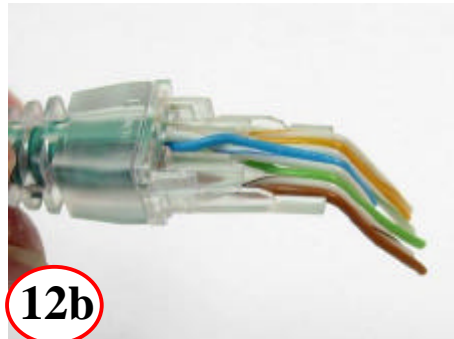
11b

Fit Blu pair inside Grn pair



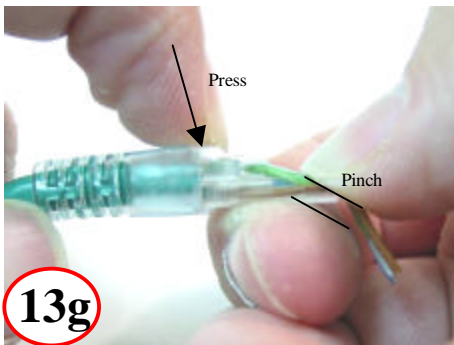
12g

Place Grn pair and bend back @ 90° like lower pairs



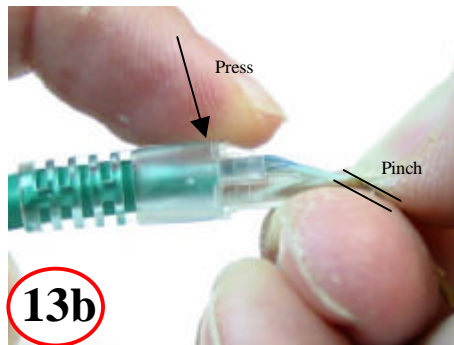
12b

Bend Blu pair back @ 90° like lower pairs



13g

Pinch load bar end, then press on back to set wires in place



13b

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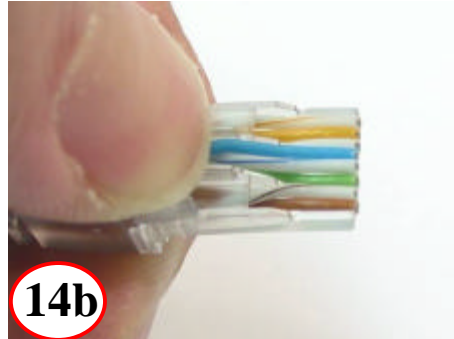
39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS

GREEN



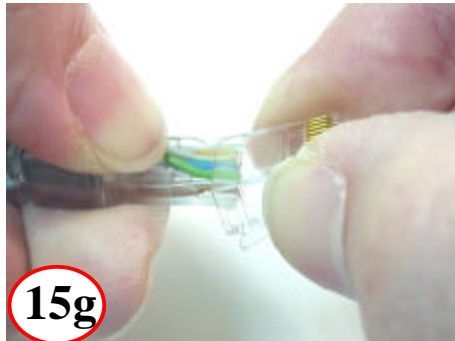
14g

BLUE

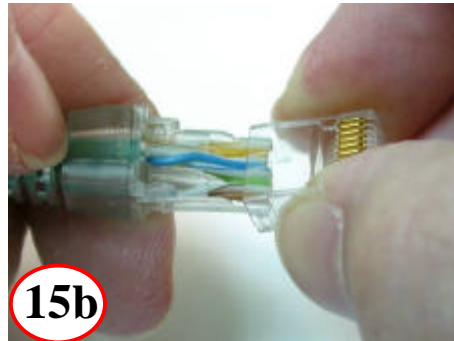


14b

Trim wire ends flush with end of load bar



15g

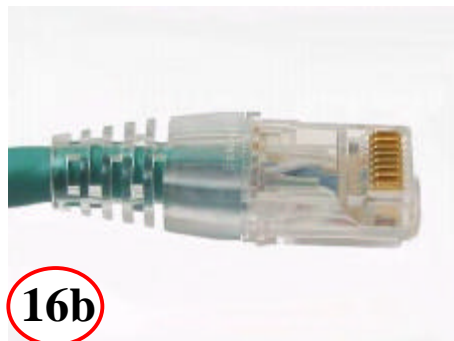


15b

Place load bar assembly into housing



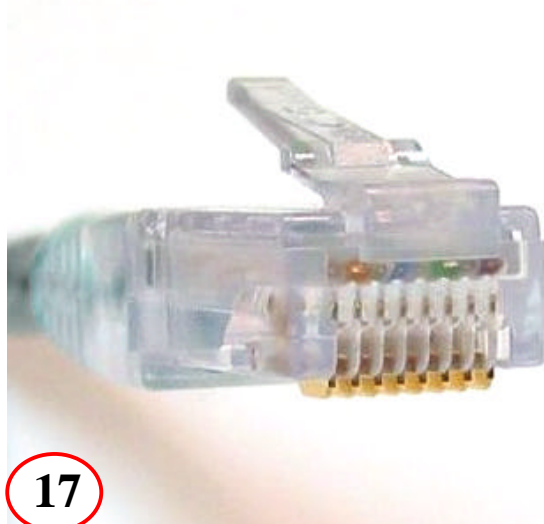
16g



16b

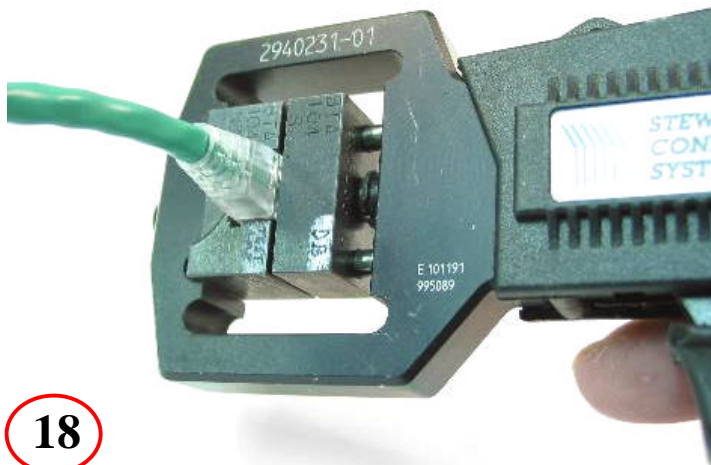
Snap housing and load bar assembly together

39 SERIES UNSHIELDED ASSEMBLY INSTRUCTIONS



17

Verify that wires went all the way to front of housing



18

Crimp contacts. Assembly complete