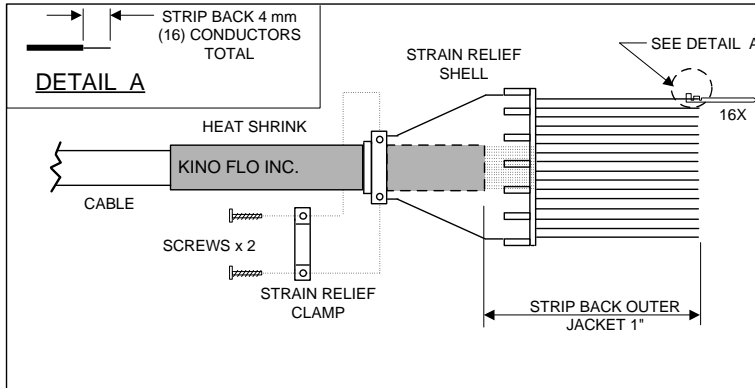
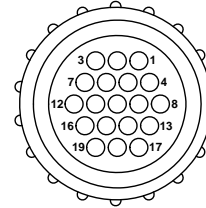


**PRT-MGM4 (Male Extension Repair)**



**Extension Insertion Chart**

**MALE PIN**

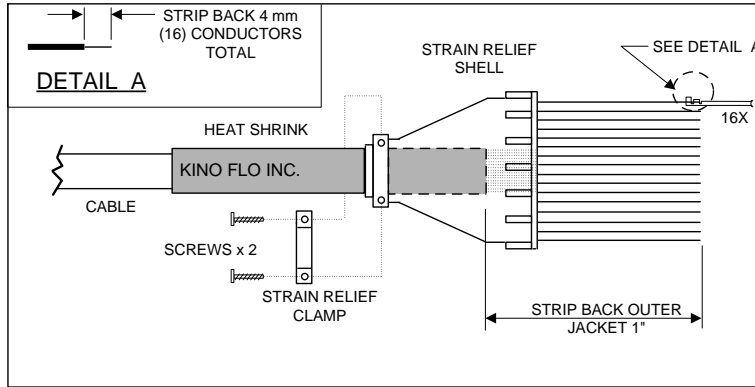


**WIRE INSERTION SIDE**

- 1 - WHT /GRN
- 2 - WHITE
- 3 - WHT /YEL
- 4 - BLACK
- 5 - BROWN
- 6 - GREEN
- 7 - WHT /ORG
- 8 - YELLOW
- 9 - RED
- 10 - BLUE
- 11 - WHT /RED
- 12 - WHT /BRN
- 13 - ORANGE
- 14 - VIOLET
- 15 - WHT /BLK
- 16 - GRAY
- 17,18,19-N/A

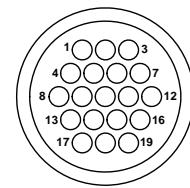
**FIG. 1**

**PRT-MGF4 (Female Extension Repair)**



**Extension Insertion Chart**

**FEMALE SOCKET**

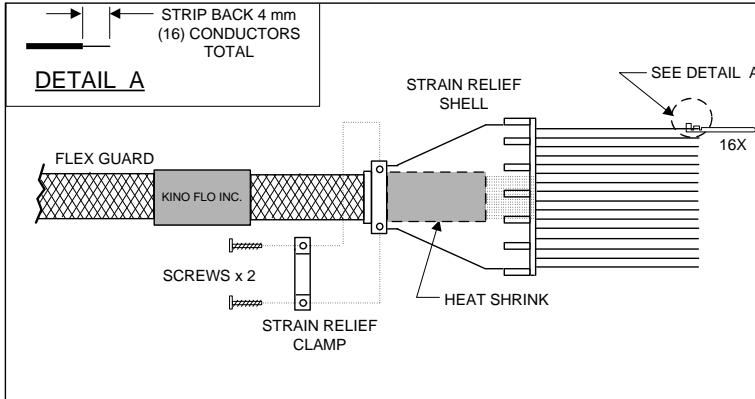


**WIRE INSERTION SIDE**

- 1 - WHT /GRN
- 2 - WHITE
- 3 - WHT /YEL
- 4 - BLACK
- 5 - BROWN
- 6 - GREEN
- 7 - WHT /ORG
- 8 - YELLOW
- 9 - RED
- 10 - BLUE
- 11 - WHT /RED
- 12 - WHT /BRN
- 13 - ORANGE
- 14 - VIOLET
- 15 - WHT /BLK
- 16 - GRAY
- 17,18,19-N/A

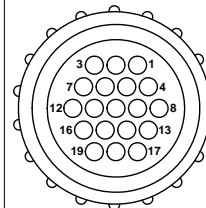
**FIG. 2**

**PRT-MGM4 (Male Lamp Harness Repair)**



**Lamp Harness Insertion Chart**

**MALE PIN**



**WIRE INSERTION SIDE**

**WIRE LENGTH:**

- 1 & 2 BLUE LONG
- 3 & 4 BLUE SHORT
- 5 & 6 BLACK LONG
- 7 & 8 BLACK SHORT
- 9&10 YELLOW LONG
- 11&12 YELLOW SHORT
- 13&14 RED LONG
- 15&16 RED SHORT
- 17,18,19-N/A

**FIG. 3**

**REPAIR INSTRUCTIONS:**

- 1) CUT OFF DAMAGED CONNECTOR WITH WIRE SIDE CUTTERS AND STRIP BACK 1" (25.4mm) OF OUTER JACKET CABLE.
- 2) STRIP BACK INDIVIDUAL WIRES 4mm.
- 3) POSITION HEAT SHRINK SLEEVE 3"-4" (76mm-101mm) FROM END OF CABLE OR HARNESS.
- 4) USE AMP CRIMPING TOOL (KINO FLO PART # AMP-2) TO CRIMP PINS OR SOCKETS TO INDIVIDUAL WIRES.
- 5) PASS CRIMPED PINS OR SOCKETS THROUGH STRAIN RELIEF SHELL.
- 6) INSERT PINS OR SOCKETS INTO CONNECTOR FOLLOWING COLOR CODES ON **INSERTION CHART** (FIG. 1, FIG. 2, FIG. 3).
- 7) SLIDE THE HEAT SHRINK FORWARD TO THE BACK OF CONNECTOR. ENSURE THAT THE HEAT SHRINK EXTENDS OUTSIDE OF THE STRAIN RELIEF SHELL. WHEN REPAIRING A LAMP HARNESS, FLEX GUARD SHOULD ALSO EXTEND INTO THE STRAIN RELIEF SHELL. APPLY HEAT FROM A HEAT GUN.
- 8) SCREW STRAIN RELIEF SHELL TO CONNECTOR. USE THE 2 LONGER SCREWS TO HOLD DOWN THE STRAIN RELIEF CLAMP.