# Crimping Head Cross Reference for Pneumatic Tools

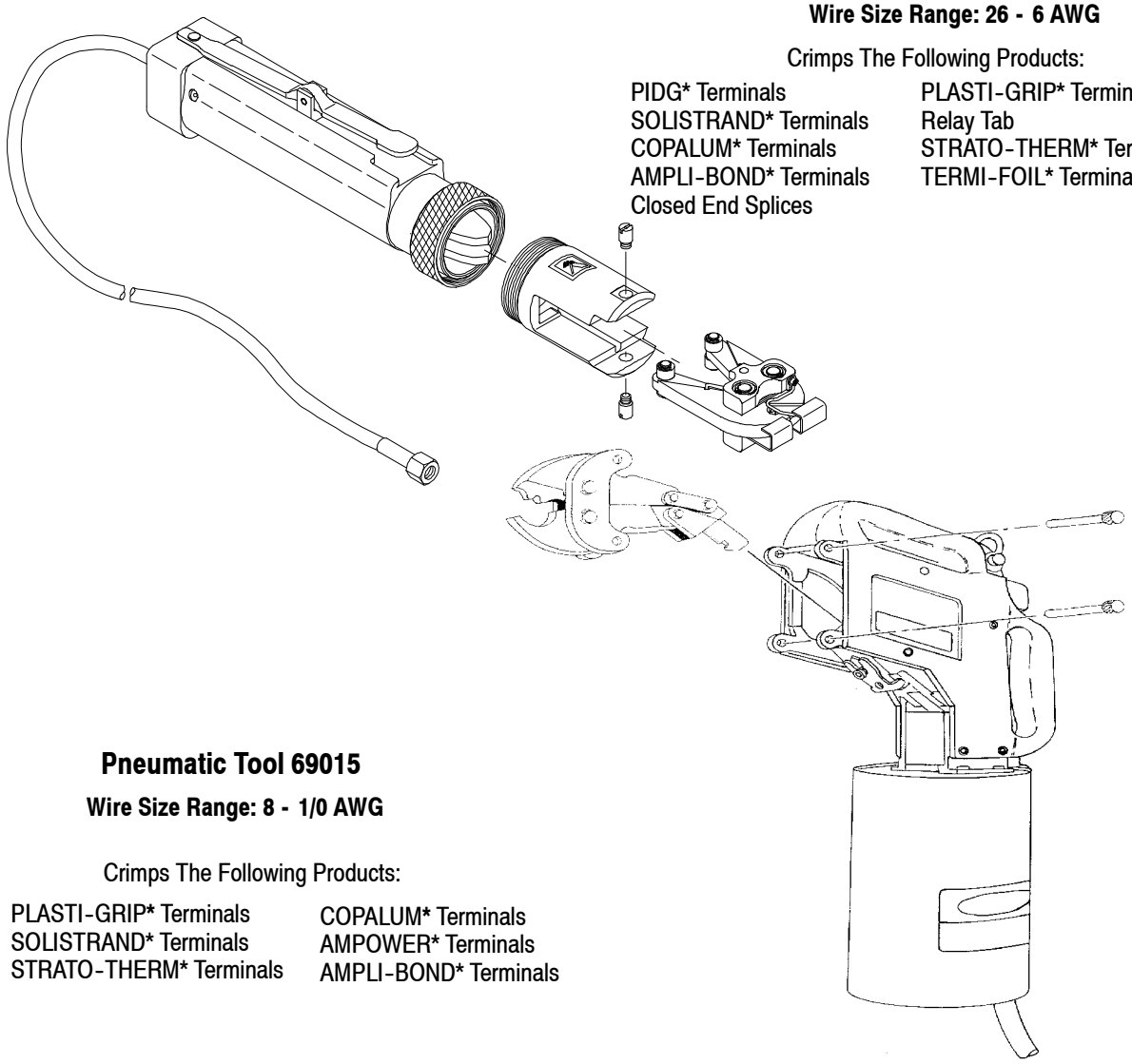
ORIGINAL INSTRUCTIONS

## "626" Pneumatic Tooling Systems

**Wire Size Range: 26 - 6 AWG**

Crimps The Following Products:

PIDG* Terminals
SOLISTRAND* Terminals
COPALUM* Terminals
AMPLI-BOND* Terminals
Closed End Splices
PLASTI-GRIP* Terminals
Relay Tab
STRATO-THERM* Terminals
TERMI-FOIL* Terminals



## Pneumatic Tool 69015

**Wire Size Range: 8 - 1/0 AWG**

Crimps The Following Products:

PLASTI-GRIP* Terminals
SOLISTRAND* Terminals
STRATO-THERM* Terminals
COPALUM* Terminals
AMPOWER* Terminals
AMPLI-BOND* Terminals

*Figure 1*

## 1. INTRODUCTION

The tools shown in Figure 1 are capable of crimping a wide variety of products on solid or stranded wire sizes 26 through 1/0. The various configurations of the "626" Pneumatic Tooling Systems are identified in Figure 2. All of these systems accept any of the Tool Holder Assemblies and their associated Crimping Heads/Adapters, as indicated. The remainder of this instruction sheet contains tables which provide cross referencing information on the tool, crimping head, products crimped, and wire size ranges. In addition, instruction sheet numbers for all crimping heads and pneumatic tools and an explanation of product insulation barrel expansions are provided.

Reasons for reissue are provided in Section 5, REVISION SUMMARY.

**NOTE**

*Dimensions are in millimeters [with inch equivalents in brackets]. Figures and illustrations are for reference only and are not drawn to scale.*

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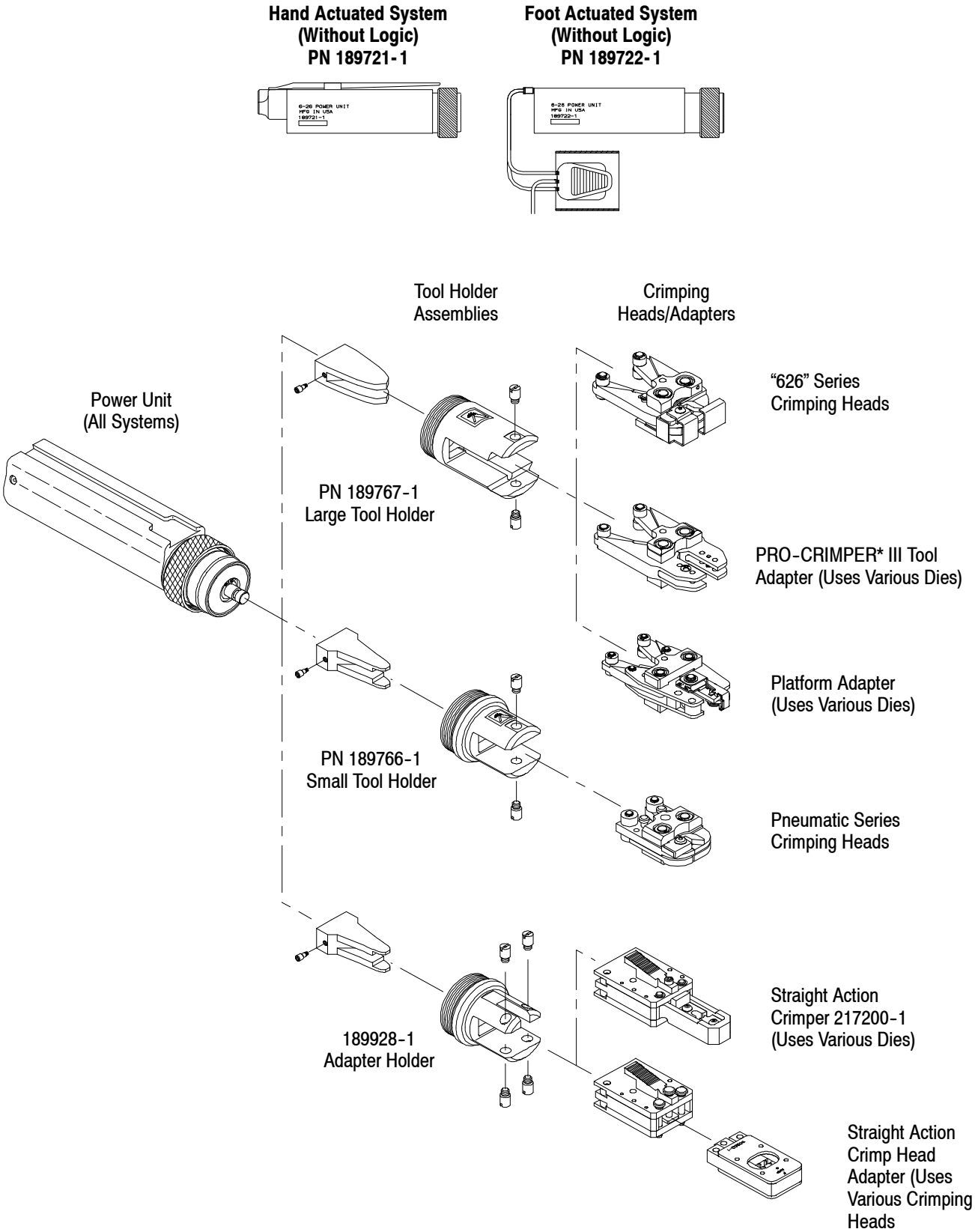

Hand Actuated System
(Without Logic)
PN 189721-1
Foot Actuated System
(Without Logic)
PN 189722-1
Tool Holder
Assemblies
Crimping
Heads/Adapters
Power Unit
(All Systems)
PN 189767-1
Large Tool Holder
"626" Series
Crimping Heads
PRO-CRIMPER* III Tool
Adapter (Uses Various Dies)
Platform Adapter
(Uses Various Dies)
PN 189766-1
Small Tool Holder
Pneumatic Series
Crimping Heads
189928-1
Adapter Holder
Straight Action
Crimper 217200-1
(Uses Various Dies)
Straight Action
Crimp Head
Adapter (Uses
Various Crimping
Heads

*Figure 2*

## 2. TOOL, PRODUCT, AND WIRE SIZE RANGE CROSS REFERENCE CHART

| PRODUCT | TOOL AND WIRE SIZE RANGE | |
|---|---|---|
| | "626" (Customer Manual - 409-5862) | 69015 (Instruction sheet - 408-1310) |
| PIDG | 26-14 | - |
| PLASTI-GRIP | 22-14 | 6 |
| Relay Tab | 16-14 | - |
| SOLISTRAND | 22-6 | 8-1/0 |
| STRATO-THERM | 22-10 | 8-1/0 |
| COPALUM | 16-10 | 8-4 |
| AMPOWER | - | 2 |
| AMPLI-BOND | 8 | 6 |
| Closed End Splice | 22-8 | - |
| TERMI-FOIL | 8 | - |

## 3. *PIDG* AND *PLASTI-GRIP* TERMINAL AND SPLICE INSULATION BARREL EXPANSION

| WIRE SIZE RANGE | WIRE INSULATION DIAMETER RANGE MINIMUM | MAXIMUM | PRODUCT INSULATION BARREL EXPANSION | TOOL INSULATION CRIMP EXPANSION |
|---|---|---|---|---|
| 26-22 | 1.3 [.050]● | 1.7 [.065] | 2.1 [.082] MAX | (SM. EXP)† |
| 22-16 | 2.0 [.080]● | 2.9 [.115] | 3.2 [.125] MAX | (SM. EXP)† |
| 26-22 | 1.3 [.050]● | 2.1 [.082] | 2.1 [.082] MAX | (STD. EXP)† |
| 22-16 | 2.0 [.080] | 3.2 [.125] | 3.2 [.125] MAX | (STD. EXP)† |
| 22-16 | 2.7 [.105] | 3.6 [.140] | 3.6 [.140] MAX | (STD. EXP)† |
| 22-16 | 2.7 [.105] | 5.1 [.200] | 5.1 [.200] MAX | (LG. EXP)† |
| 16-14 | 2.7 [.105]● | 2.9 [.115] | 3.8 [.150] MAX▪ | (SM. EXP)† |
| | 2.7 [.105] | 3.8 [.150]▪ | 3.8 [.150] MAX▪ | (STD. EXP)† |
| | 2.9 [.115] | 4.3 [.170] | 4.3 [.170] MAX | (STD. EXP)† |
| | 3.8 [.150] | 6.4 [.250] | 6.4 [.250] MAX | (LG. EXP)† |
| 12-10 | 3.8 [.150]● | 3.8 [.150] | 5.8 [.230] MAX◆ | (SM. EXP)† |
| | 3.8 [.150] | 5.8 [.230] | 5.8 [.230] MAX | (STD. EXP)† |
| | 3.8 [.150] | 6.4 [.250] | 6.4 [.250] MAX | (STD. EXP)† |
| | 4.3 [.170] | 7.6 [.300] | 7.6 [.300] MAX | (LG. EXP)† |

● Indicates wire diameter sizes smaller than this dimension may be used.

† (SM EXP) = Small Expansion; (STD EXP) = Standard Expansion; (LG EXP) = Large Expansion. Small expansion is sometimes expressed as "tight insulation support" in TE Connectivity catalogs.

EXAMPLE: When using a wire within 26-22 AWG range, and wire insulation diameter is 1.27 to 1.65 mm [.050 to .065 in.], product insulation barrel crimp description must be 2.08 mm [.082 in.] Max and crimping tool insulation barrel crimp must be small expansion.

▪ Use 3.56 mm [.140 in.] for PLASTI-GRIP
◆ Use 5.08 mm [.200 in.] for PLASTI-GRIP

## 4. CRIMPING HEAD CROSS REFERENCE

### 4.1. PIDG and PLASTI-GRIP Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| PIDG Terminals and Splices | 314537-1 | 26-22 | 408-9586 | S | _ |
| | 314270-3 | 22-16 | 408-9586 | S | _ |
| | 314269-1 | 16-14 | 408-9586 | S | _ |
| | 679300-1 | 12-10 | 408-4071 | L | _ |
| | 68325-1 | 6 | 408-2690 | _ | x |
| PLASTI-GRIP Butt Splices | 314868-1 | 22-16 | 408-9775 | S | _ |
| | 314869-1 | 16-14 | 408-9775 | S | _ |

### 4.2. SOLISTRAND and STRATO-THERM Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| SOLISTRAND Flag Terminals | 217203-1 | 12-10 | 408-9285 | S | - |
| | 217204-1 | 16-14 | 408-9285 | S | - |
| | 48412 | 8 | 408-1311 | - | x |
| | 48413 | 6 | 408-1311 | - | x |
| | 48415 | 2 | 408-1311 | - | x |
| SOLISTRAND Terminals Parallel Splice | 189989-1 | 22-10 | 408-9285 | S | - |
| | 679301-1 | 22-10 | 408-4072 | L | - |
| | 314516-1 | 22-16 | 408-9285 | S | - |
| | 314517-1 | 16-14 | 408-9285 | S | - |
| | 314518-1 | 14-12 | 408-9285 | S | - |
| | 1338757-1 | 8 | 408-4072 | L | - |
| | 1338758-1 | 6 | 408-4072 | L | - |
| STRATO-THERM Terminals | 49956 | 8 | 408-1311 | - | x |
| | 48172 | 6 | 408-1311 | - | x |
| | 48173 | 4 | 408-1311 | - | x |
| | 48174 | 2 | 408-1311 | - | x |
| | 48183 | 1/0 | 408-1311 | - | x |
| No Insul. Support | 217206-1 | 22-10 | - | L | - |

### 4.3. COPALUM Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| COPALUM Bar Crimp | 68032 | 8 | 408-2425 | - | X |
| | 68038 | 4 | 408-2425 | - | X |
| COPALUM Insulation Piercing | 189447-1 | 16-14 | 408-2432 | L | - |
| | 189444-1 | 12-10 | 408-2432 | L | - |
| | 68082 | 6 | 408-2433 | - | X |

### 4.4. AMPOWER Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| AMPOWER | 68179-2 | 2 | - | - | x |

### 4.5. AMPLI-BOND Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| AMPLI-BOND | 68325-1 | 6 | 408-2690 | - | x |

### 4.6. TERMI-Foil Products

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| TERMI-FOIL | 217923-1 | 8 | - | L | - |

### 4.7. Closed End Splices

| PRODUCT | CRIMPING HEAD | WIRE SIZE RANGE | INSTRUCTION SHEET | "626" TOOL HOLDER | TOOL 69015 |
|---|---|---|---|---|---|
| Closed End Splices | 354422-2 | 22-11.5 | 408-9906 | S | - |
| | 354422-1 | 22-14 | 408-9893 | S | - |
| | 189896-1 | 18-8 | - | L | - |
| | 189466-1 | 18-12 | - | L | - |
| | 217205-1 | 12-10 | - | S | - |

## 5. REVISION SUMMARY

- Updated document to corporate requirements
- New logo