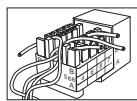


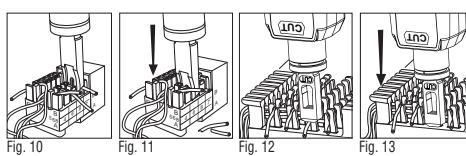
## 110 TYPE PUNCHDOWN INSTRUCTIONS

1. Insert the 110 terminating blade into the punchdown tool.
2. Choose the correct end of the blade depending on whether or not the wire is to be cut off. (Figures 10 & 11 show use of the cutting end).
3. Select the proper force setting – LO for all 110 type connections.
4. Lay the wires in the wire slots (see below).



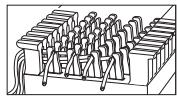
5. Slide the blade into the wire slot and verify the orientation of the punchdown blade before moving to step 6 (Figure 10). (This is to avoid cutting wire unintentionally during the punchdown operation; refer to step 2.)
6. Push down on the cushion-grip end of the punchdown tool with the palm of your hand until it clicks (Figure 11).
7. Slide the blade out of the wire slot and make sure the wire is properly seated in the bottom of the wire slot between the insulation displacement connector's (IDC) blades.

8. Verify that the punchdown tool has seated the wire completely and correctly in the IDC. Proper use of the punchdown tool should ensure this is done correctly, but it is always a good idea to verify and test.



## 66 TYPE PUNCHDOWN INSTRUCTIONS

1. Insert the 66 terminating blade into the punchdown tool.
2. Choose the correct end of the blade depending on whether or not the wire is to be cut off. (Figures 12 & 13 show use of the cutting end).
3. Select the proper force setting depending on the application. (see table below).
4. Lay the wires in the openings on the post, (see below).



5. Slide the blade over the post and verify orientation of the punchdown blade before moving to step 6 (Figure 12). (This is to avoid cutting the wire unintentionally during punchdown operation, refer to step 2.)
6. Push down on the cushion-grip end of the punchdown tool with the palm of your hand until it clicks (Figure 13).

7. Slide the blade off of the post and make sure the wire is properly seated at the bottom of the post between the insulation displacement connector's (IDC) blades.
8. Verify that the punchdown tool has seated the wire completely and correctly in the IDC. Proper use of the punchdown tool should ensure this is done correctly, but it is always a good idea to verify and test.

Impact (force) Setting	66 Panel/Block/ Terminal	110 Cross-connect Panels /Blocks/Keystones Jacks
LO	24-26 gauge conductors	All
HI	23 and larger gauge connectors	DO NOT USE

## Punchdown tools and accessories

Tool / Blade / (Acc.)	Blade / Acc. Cat. No.	Tool with Blade Cat.No
Impact Punchdown Tool Chassis	N/A	VDV427-300
Extended Reach Blade	VDV427-110	N/A
DURABLADe™	VDV427-104	N/A

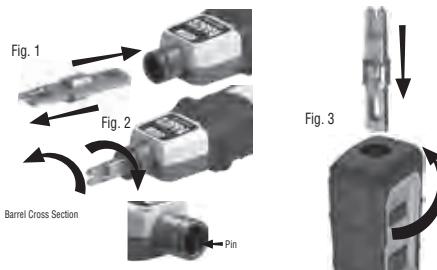
## INSERTING BLADE

1. Align slot in center of punchdown blade with the pin located on the inside of the punchdown tool's barrel and insert blade. (Fig. 1)
2. Rotate blade 1/4 turn clockwise (Fig. 2).

**Note:** When blade is completely seated and locked, the cutting knife (if applicable) should align with the yellow side of the tool; note "CUT" is imprinted on yellow side of tool.

## REMOVING BLADE

1. Rotate blade 1/4 turn counter-clockwise and pull gently (Fig. 2).
2. Remove blade (Fig. 1).



VDV427-300

Impact Punchdown Tool - Instructions

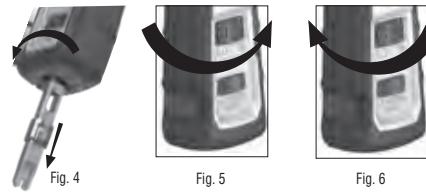


## PLACING BLADE INTO STORAGE COMPARTMENT

1. Hold the Punchdown Tool with the blade storage end facing up (Fig. 3).
2. Insert the blade into the blade storage end (it will extend beyond the tool).
3. Turn the "release blade" dial in a counter-clockwise direction until the blade slides into place.
4. Release the "release blade" dial; the blade is now secure in the storage compartment.

## REMOVING BLADE FROM STORAGE COMPARTMENT

1. Hold the Punchdown Tool with the blade storage end facing down (Fig. 4).
2. Turn the "release blade" dial in a counter-clockwise direction until the blade falls out.
3. Release the "release blade" dial.



## ADJUSTING PUNCHDOWN FORCE

**Note:** Arrow on "Impact" dial aligns with selected force setting.

1. To adjust from LO to HI, rotate dial clockwise (Figure 5).
2. To adjust from HI to LO, rotate the dial counter-clockwise (Figure 6).

**Note:** See table below for recommended force settings.

Impact (force) Setting	66 Panel/Block/ Terminal	110 Cross-Connect Panels/ Blocks/Keystones Jacks
Low	24-26 gauge conductors	All
HI	23 and larger gauge connectors	DO NOT USE

## PUNCHDOWN MULTI-TOOL SPECIAL INSTRUCTIONS (VDV427-300):

### HOOK AND SPUDGER ACCESS AND STORAGE

To extend hook or spudger from storage nest in side of punchdown chassis, place finger-nail in notched portion of the hook or spudger and push away from the tool.

Extend hook or spudger to desired position and use to manipulate wire and/or small components.

To store hook or spudger, gently push the hook or spudger towards the punchdown chassis until it is nested in the side of the punchdown chassis.

