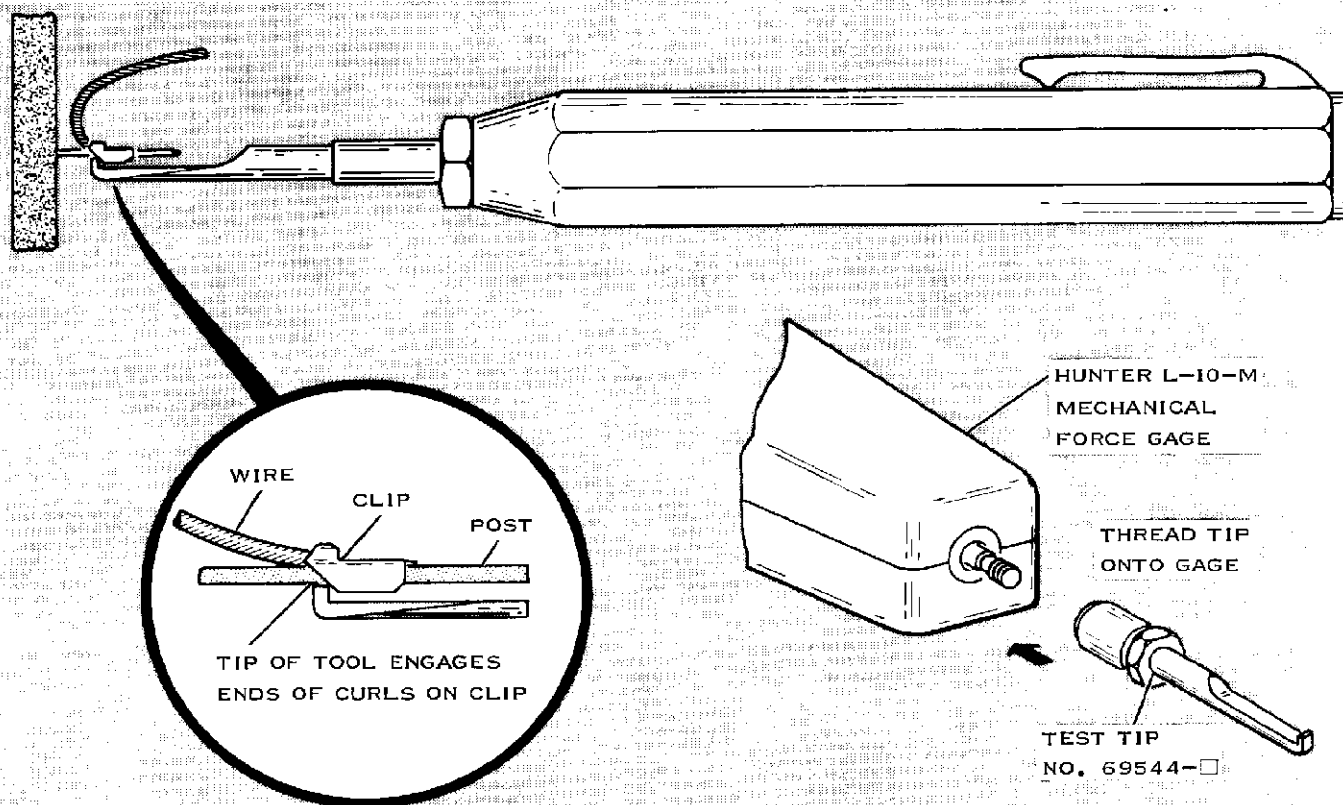




AMP\* TERMI-POINT\*  
PULL TEST TOOL  
CATALOG No. 69358-□  
AND TEST TIP  
CATALOG No. 69544-□

| IS 1933  |         |
|----------|---------|
| RELEASED | 7-17-64 |
| REVISED  | 2-27-74 |



| CLIP<br>NUMBER | POST<br>SIZE  | PULL TEST TOOL |                         |                         | TEST<br>TIP<br>NUMBER† |
|----------------|---------------|----------------|-------------------------|-------------------------|------------------------|
|                |               | NUMBER         | TEST FORCE<br>IN POUNDS | INDICATOR<br>RING COLOR |                        |
| □-330495-□     | .031" X .062" | 69358-2        | 2.25                    | YELLOW                  | 69544-1                |
| □-330854-□     | .031" X .093" | 69358-5        | 2.25                    | YELLOW                  | 69544-2                |
| □-67042-□      | .022" X .036" | 69358-6        | 0.50                    | GREEN                   | 69544                  |

† USE WITH HUNTER MECHANICAL FORCE GAGE MODEL L-10-M.

FIG. 1

## 1. INTRODUCTION

The Pull Test Tools, Catalog No. 69358-□ and Test Tips, Catalog No. 69544-□ (for use with Hunter Mechanical Force Gauge, Model L-10-M) are used to make non-destructive tests of the mechanical quality of a termination.

## 2. TESTING PROCEDURE

### 2.1 PULL TEST TOOL No. 69358-□

- Hook Tool squarely against end of Clip, with Tip engaging Ends of Curls on Clip. See Figure 1.
- Maintain alignment of Tool with Post, and pull slowly until the Indicator Ring is in line with front of Tool. See Figure 1.

(c) Clip may slide, no more than 1/2 the Clip Length, before the Indicator Ring is visible. See Figure 2-A.

(d) Lateral Clip movement during test, see Figure 2-B, does not affect the quality of termination.

NOTE: Clips that move more than 1/2 the Clip Length should be rejected and a new Clip applied and test repeated.

### 2.2 TEST TIP No. 69544-□

- Thread Tip onto Hunter Mechanical Force Gauge, Model L-10-M.
- Hook Tip squarely against end of Clip, with Tip engaging End of Curls on Clip. See Figure 1.

- (c) Maintain alignment of Gage with Post, and pull slowly until the Gage reaches its maximum reading.  
NOTE: Gage must be set in "LOCK" Position to record maximum reading.
- (d) Clip may slide no more than 1/2 the Clip Length, before reading is obtained. See Figure 2-A.
- (e) Lateral Clip movement during test, see Figure 2-B, does not affect the quality of termination.  
NOTE: Clips that move more than 1/2 the Clip Length should be rejected and a new Clip applied and test repeated.

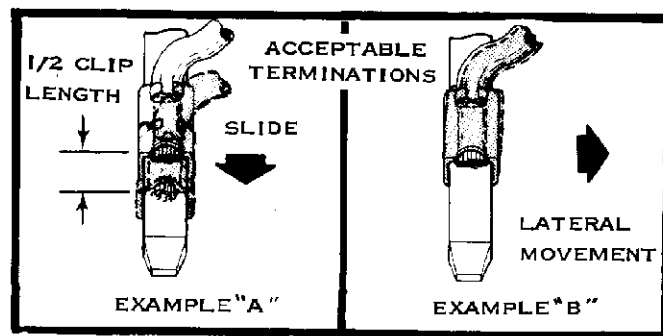
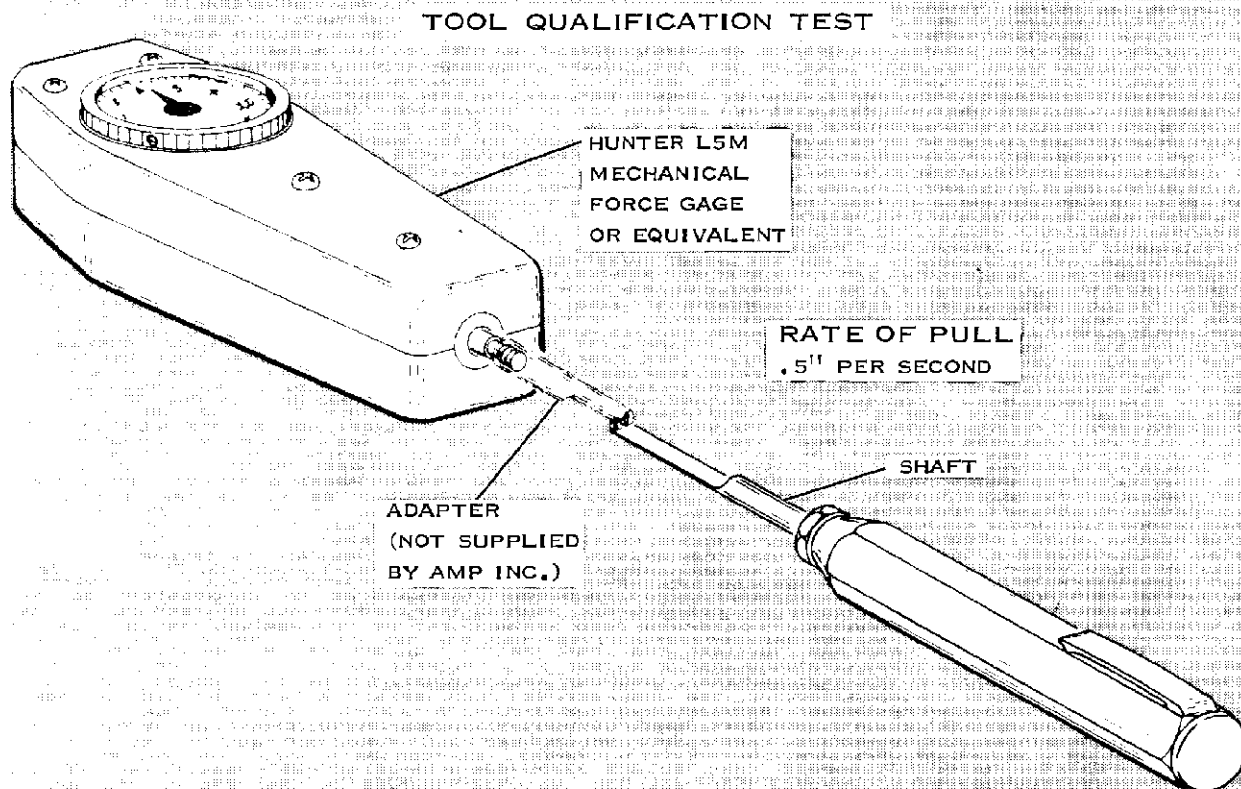


FIG. 2



| TOOL NUMBER | INDICATOR RING COLOR | CALIBRATION FORCE IN POUNDS |
|-------------|----------------------|-----------------------------|
| 69358-2     | YELLOW               | 2.25 ± .10                  |
| 69358-5     | YELLOW               | 2.25 ± .10                  |
| 69358-6     | GREEN                | 0.50 ± .10                  |

FIG. 3

### 3. TOOL QUALIFICATION TEST

A periodic Tool Qualification Test should be made to make certain that Tool No. 69358-□ is maintaining the proper calibration. Use the following procedure to check Tool Calibration:

- (a) Connect TERMI-POINT Test Tool to an accurate Mechanical Force Gage. A typical set-up using a Hunter L5M Force Gage and Adapter is shown in Figure 3.  
NOTE: Gage must be set in "LOCK" Position to record maximum reading.

- (b) Force Gage and Test Tool must be held in a horizontal plane and be aligned when making the test. Care must be taken to prevent binding between shaft and end of Test Tool. See Figure 3.
- (c) Pull Tool, using a pull rate of .5 inches per second.
- (d) Gradually decrease pull rate until Indicator Ring is in line with front of Tool. Check Gage Reading.
- (e) If Gage Reading is not satisfactory, Test Tool should be returned to AMP Incorporated.