

TPE 200 TROUBLES

SYMPTOM

CAUSE

Pointer Spins

1. Stop pin plunger broken.
2. Stop blade broken.
3. Transfer adjustments.
4. Zero lever adjustment b.
5. Stop pin binding.
6. Stop pin spring weak.
7. Garter springs broken.
8. Counting shaft end play.

Counting Pointer
doesn't move

1. Stop pin plunger broken.
2. Transfer adjustments.
3. Zero lever adjustment c.
4. Reset collar lever adjustment.
5. Left counting cross shaft adjustment.

Counting Pointer
Counts same number
of units each time.

1. Transfer adjustments.

Counting Pointer
slips

1. Counting shaft friction clutch adj.
2. Counting pointer clutch spring compression adjustment.
3. Counting pointer broken. (segments)

Space Band Pointers
fail to operate

1. Spacer rod adjustment.
2. Intermediate pawl latch adjustment.
3. Retaining pawl release lever adjustment
4. Justification pointers return position adjustments a, b.
5. Space bar lever extension spring ten.
6. Intermediate pawl spring tension.
7. Spacer rod spring tension.
8. Retaining pawl spring tension.

Counting Pointer
fails to return

1. Return actuating lever adjustment.
2. Counting pointer clutch release adj.
3. Counting pointer return spring arm cord broken.
4. Counting pointer return spring weak or broken.

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| <u>SYMPTOM</u> | <u>CAUSE</u> |
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| Space Band Pointers fail to return | <ol style="list-style-type: none"> 1. Return actuating lever adjustment. 2. Retaining pawl release lever adj. 3. Reset lug adjustment. 4. Justification pointers return spring tension. 5. Spacing rack slide return spring tension. 6. Intermediate pawl latch spring tension. |
| Counting Pointer fails to move on first key stroke | <ol style="list-style-type: none"> 1. Excessive gear backlash. 2. Excessive cross shafts end play. 3. Pointer release plunger front and rear collars play (should be min.) |
| Tape fails to perforate properly | <ol style="list-style-type: none"> 1. Punch hammer operating lever adj. 2. Punch block cutting ability poor (should be replaced with a new or reconditioned block) 3. Punch bar levers bearing bracket adj. 4. Punch hammer pivot screws adjustment. |
| Tape fails to feed or does not feed properly | <ol style="list-style-type: none"> 1. Tape feed pawl adjustment. 2. Tape feed roll detent final adjustment. 3. Tape tension lever spring tension. 4. Tape feed roll bearing plate. 5. Punch hammer operating lever adj. 6. Punch hammer stop screw adjustment. 7. Punch hammer spring tension. 8. Tape feed pawl spring tension. 9. Tape feed roll detent lever spring ten. 10. Tape binds in tape container. |
| Tape weaves | <ol style="list-style-type: none"> 1. Tape tension spring adjustment. |
| Main clutch and keyboard fail, or timing off (heavy touch, lockups, etc.) | <ol style="list-style-type: none"> 1. Universal bar backstop screw adj. 2. Stop lever latch adjusting screw adj. 3. Stop lever cam roller eccentric screw. 4. Stop lever latch upstop screw adj. 5. Selector bar assemblies parts binding or dirty. (clean periodically) 6. Trip off plunger binding. 7. Stop lever and latches binding. 8. Operating cam sleeve friction clutch adjustment. 9. Stop lever and latches spring tensions heavy. 10. Stop lever latching extension or non-repeat latch have burrs. 11. Keylever springs tensions weak. 12. Counting selector bar assembly shims. 13. Perforating selector bar assembly shims adjustment. |

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| <u>SYMPTOM</u> | <u>CAUSE</u> |
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| Perforator doubles | 1. Worn edges on stop lever, stop lever latch, or non-repeat latch. (worn parts should be replaced.) |
| Perforator fails to shift or unshift properly | 1. Counting selector bar assembly. shims adjustment (if min.) 2. Shift bail adjustment. 3. Shift bail stop plate adjustment. 4. Shift and unshift brackets adjustment. 5. Shift bail balancing spring tension. 6. Shift bail detent spring tension. 7. Key levers spring tension. |
| Signal lamp fails to operate, or does not operate correctly | 1. Lamp burned out. 2. Signal lamp contacts adjustments. |