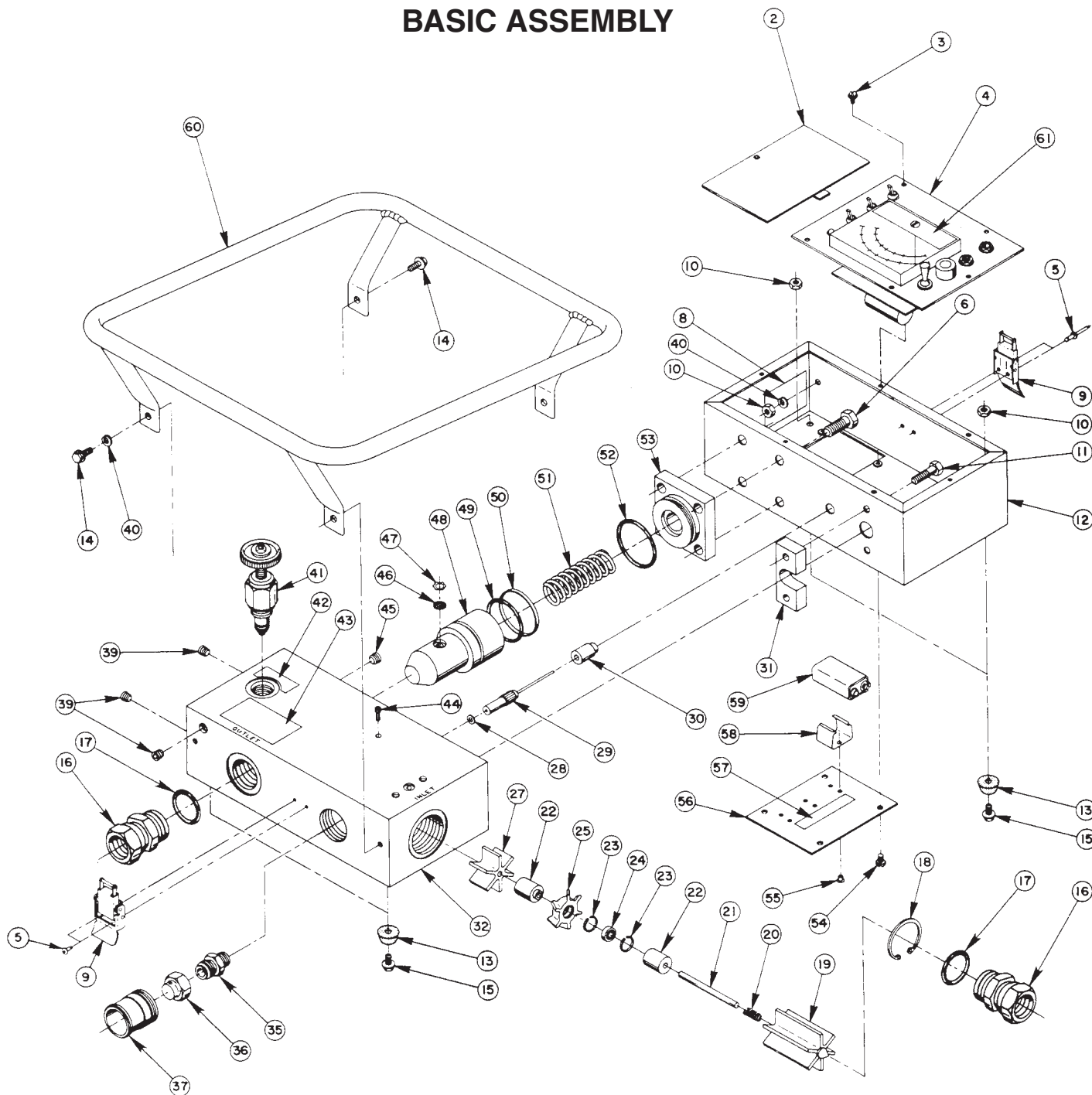


## Parts List for:

4221 "B"  
ACTP-1008  
ACTP-1009  
CAS-10280D-01074AA  
D-01169AA  
HT75 "B"  
MEL-10005**IN-LINE HYDRAULIC FLOW TESTER**

75 GPM, 300 l/min.

**BASIC ASSEMBLY**

# Parts List, Form No. 100478, Back sheet 1 of 3

| Item No. | Part No.        | No. Req'd | Description                                                           | Item No.                                  | Part No.        | No. Req'd                                      | Description                                                     |
|----------|-----------------|-----------|-----------------------------------------------------------------------|-------------------------------------------|-----------------|------------------------------------------------|-----------------------------------------------------------------|
| 2        | <b>37493BK2</b> | 1         | Door                                                                  | 39                                        | <b>251222</b>   | 3                                              | Pipe Plug (1/16 NPTF)                                           |
| 3        | <b>16972</b>    | 6         | Self-tapping Screw<br>(#4-24 x 1/4 Lg.)                               | 40                                        | <b>10241</b>    | 4                                              | Lockwasher (For #10 bolt)                                       |
| 4        | <b>42822</b>    | 1         | Meter Panel (See Sheet 3 of 3)                                        | 41                                        | <b>16882</b>    | 1                                              | Cartridge Relief Valve<br>(See sheet 2 of 3)                    |
| 5        | <b>16417</b>    | 4         | Pop Rivet                                                             | 42                                        | <b>202076</b>   | 1                                              | Decal (Increase/Decrease)                                       |
| 6        | <b>16206</b>    | 4         | Hex Hd. Cap Screw (5/16-18<br>x 7/8 Lg.; Torque to 15/20 ft. lbs.)    | 43                                        | <b>16678</b>    | 1                                              | Warning Decal                                                   |
| 8        | <b>16595</b>    | 1         | Recording Decal                                                       | 44                                        | <b>17458</b>    | 1                                              | Soc. Hd. Cap Screw (#4-40 x<br>3/8 Lg.; Torque to 4/6 in. lbs.) |
| 9        | <b>16416</b>    | 2         | Catch                                                                 | 45                                        | <b>15499</b>    | 1                                              | Pipe Plug (1/8 NPTF)                                            |
| 10       | <b>10197</b>    | 4         | Hex Nut (#10-24 UNC)                                                  | 46                                        | <b>207166</b>   | 1                                              | Filter Disk                                                     |
| 11       | <b>10009</b>    | 2         | Hex Hd. Cap Screw (1/4-20 UNC x<br>3/4 Lg.; Torque to 80/85 in. lbs.) | 47                                        | <b>11893</b>    | 1                                              | Retaining Ring (For 7/16 hole)                                  |
| 12       | <b>51087BK2</b> | 1         | Electronic Box                                                        | 48                                        | <b>36797</b>    | 1                                              | Poppet Filter Assembly<br>(Includes items 46 & 47)              |
| 13       | <b>16429</b>    | 4         | Recessed Bumper                                                       | 49                                        | <b>*16684</b>   | 1                                              | O-ring (1-3/16 x 1" x 3/32)                                     |
| 14       | <b>16467</b>    | 4         | Hex Hd. Cap Screw<br>(#10-24 x 1/2 Lg.)                               | 50                                        | <b>*16683</b>   | 1                                              | Glyd Ring                                                       |
| 15       | <b>15415</b>    | 4         | Hex Hd. Cap Screw<br>(#10-24 x 3/8 Lg.)                               | 51                                        | <b>16970</b>    | 1                                              | Compression Spring<br>(3/4 O.D. x 1-7/8 Lg.)                    |
| 16       | <b>12709</b>    | 2         | Union Adapter                                                         | 52                                        | <b>*16685</b>   | 1                                              | Disogrin O-ring<br>(1-3/8 x 1-1/4 x 1/16)                       |
| 17       | <b>*12745</b>   | 2         | O-ring (1-5/32 x .924 x .116)                                         | 53                                        | <b>36798</b>    | 1                                              | End Cap                                                         |
| 18       | <b>16686</b>    | 1         | Retaining Ring (For 7/8 shaft)                                        | 54                                        | <b>17486</b>    | 4                                              | Machine Screw (#6-32 x 3/16 Lg.)                                |
| 19       | <b>36801</b>    | 1         | Flow Straightener (Long)                                              | 55                                        | <b>16422</b>    | 6                                              | Wide Roll Eyelet                                                |
| 20       | <b>16462</b>    | 1         | Compression Spring<br>(1/4 O.D. x 3/8 Lg.)                            | 56                                        | <b>37494BK2</b> | 1                                              | Battery Panel                                                   |
| 21       | <b>16728</b>    | 1         | Locating Pin                                                          | 57                                        | <b>16594</b>    | 1                                              | Battery Identification Decal                                    |
| 22       | <b>202532</b>   | 2         | Spacer                                                                | 58                                        | <b>16421</b>    | 3                                              | Battery Holder                                                  |
| 23       | <b>16687</b>    | 2         | Retaining Ring (For 3/8 shaft)                                        | 59                                        | <b>16543</b>    | 3                                              | Battery (9 volt)                                                |
| 24       | <b>16688</b>    | 1         | Ball Bearing                                                          | 60                                        | <b>50960BK2</b> | 1                                              | Wrap Around Bar Assembly                                        |
| 25       | <b>202619</b>   | 1         | Turbine Rotor                                                         | 61                                        | <b>203619</b>   | 1                                              | Decal                                                           |
| 27       | <b>36802</b>    | 1         | Flow Straightener (Short)                                             |                                           | <b>60419</b>    | 1                                              | Complete Basic Tester<br>(Consists of items 2-61)               |
| 28       | <b>†16971</b>   | 1         | Nylon Washer (.040 thk; used on all<br>testers before 4-1-82)         | <b>PARTS INCLUDED BUT NOT SHOWN</b>       |                 |                                                |                                                                 |
|          | <b>††207339</b> | 1         | Nylon Washer (.020 thk; used on all<br>testers after 4-1-82)          | <b>251772</b>                             | 1               | Decal                                          |                                                                 |
| 29       | <b>†16479</b>   | 1         | Magnetic Pickup (Used on all<br>testers before 4-1-82)                | <b>253179</b>                             | 3               | Protective Battery Cap                         |                                                                 |
|          | <b>††302827</b> | 1         | Magnetic Pickup (Used on all<br>testers after 4-1-82)                 | <b>OPTIONAL ACCESSORIES</b>               |                 |                                                |                                                                 |
| 30       | <b>202128</b>   | 1         | Guide Spacer                                                          | (Included with some models but not shown) |                 |                                                |                                                                 |
| 31       | <b>202533</b>   | 1         | Spacer                                                                | <b>Y-21-10</b>                            | 2               | LP Hose (ACTP-1009, D-01169AA)                 |                                                                 |
| 32       | <b>60363</b>    | 1         | Flow Block                                                            | <b>Y-21-13B</b>                           | 1               | 12" Hose w/ Adapters<br>(ACTP-1009, D-01169AA) |                                                                 |
| 35       | <b>21837</b>    | 1         | Nipple                                                                | <b>37045</b>                              | 1               | Auxiliary Power Cord (CAS-10280)               |                                                                 |
| 36       | <b>*16230</b>   | 1         | Rupture Disc<br>(Torque to 25/32 ft. lbs.)                            | <b>203214</b>                             | 2               | Flow Test Fitting (CAS-10280)                  |                                                                 |
| 37       | <b>202534</b>   | 1         | Hose Connector                                                        | <b>203220</b>                             | 2               | Adapter (D-01074AA)                            |                                                                 |
|          |                 |           |                                                                       | <b>203223</b>                             | 2               | Double "F" Union (D-01074AA)                   |                                                                 |

Part numbers marked with an asterisk (\*) are contained in Repair Kit No. 300311.

†Must be ordered as a set.

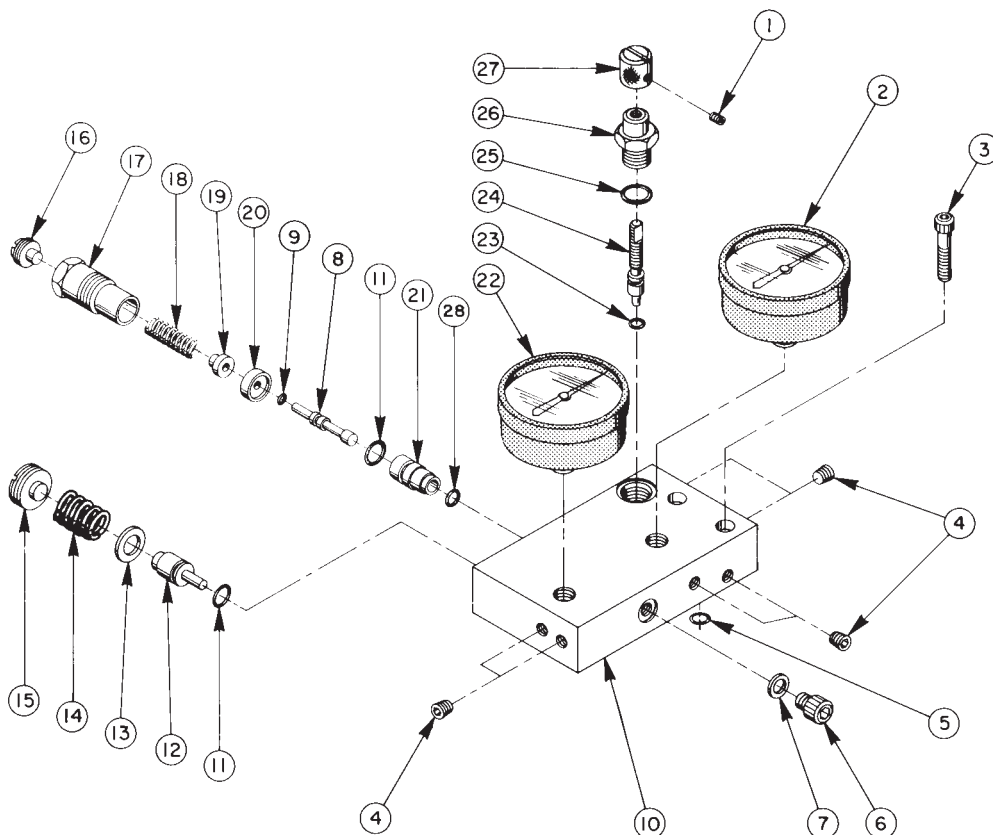
††Must be ordered as a set.

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine replacement parts!**

Additional questions can be directed to our Technical Services Department.

## DUAL PRESSURE GAUGE ASSEMBLY

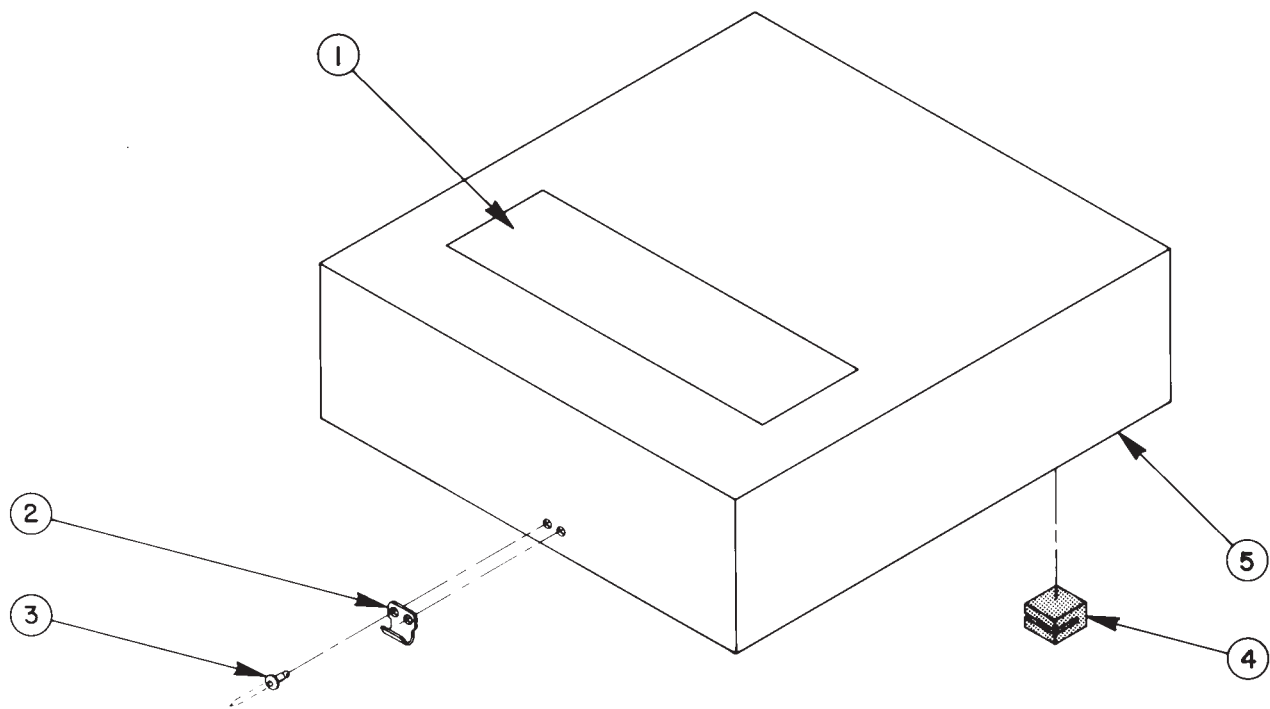


| Item No. | Part No. | No. Req'd | Description                                         |
|----------|----------|-----------|-----------------------------------------------------|
| 1        | 10132    | 1         | Set Screw (#8-32 UNC x 1/4 Lg.)                     |
| 2        | 11637    | 1         | High Pressure Gauge                                 |
|          | 17967    | 1         | Liquid-filled Gauge<br>(0-6000 PSI; optional)       |
| 3        | 10020    | 2         | Soc. Hd. Cap Screw<br>(1/4-20 UNC x 1-1/4 Lg.)      |
| 4        | 11084    | 6         | Pipe Plug (1/16 NPTF)                               |
| 5        | *10266   | 1         | O-ring (3/8 x 1/4 x 1/16)                           |
| 6        | 25683    | 1         | Special Cap Screw                                   |
| 7        | *11031   | 1         | Copper Washer<br>(15/32 x 5/16 x 1/32)              |
| 8        | 27786    | 1         | Spool (See Form #102461 for correct installation)   |
| 9        | *10264   | 1         | O-ring (1/4 x 1/8 x 1/16)                           |
| 10       | 50445    | 1         | Dual Gauge Block                                    |
| 11       | *10268   | 2         | O-ring (1/2 x 3/8 x 1/16)                           |
| 12       | 200021   | 1         | Plunger (See Form #102461 for correct installation) |
| 13       | 14968    | 1         | Washer (3/4 x 25/64 x 1/16)                         |
| 14       | 14979    | 1         | Compression Spring<br>(3/4 O.D. x 1" Lg.)           |

| Item No. | Part No. | No. Req'd | Description                                     |
|----------|----------|-----------|-------------------------------------------------|
| 15       | 200020   | 1         | Plug                                            |
| 16       | 27850    | 1         | Adjusting Screw                                 |
| 17       | 33414    | 1         | Spring Retainer                                 |
| 18       | 13165    | 1         | Compression Spring<br>(3/8 O.D. x 1-1/2 Lg.)    |
| 19       | 27805    | 1         | Spring Button                                   |
| 20       | 27806    | 1         | Guide Collar                                    |
| 21       | 27783    | 1         | Guide                                           |
| 22       | 11636    | 1         | Low Pressure Gauge                              |
|          | 17966    | 1         | Liquid-filled Gauge<br>(0-600 PSI; optional)    |
| 23       | *10265   | 1         | O-ring (5/16 x 3/16 x 1/16)                     |
| 24       | 200686   | 1         | Stem                                            |
| 25       | *10300   | 1         | O-ring (5/16 x 15/32 x 5/64)                    |
| 26       | 33415    | 1         | Guide                                           |
| 27       | 200685   | 1         | Knob                                            |
| 28       | *12522   | 1         | O-ring (3/8 x 1/4 x 1/16)                       |
|          | 33422    | 1         | Dual Gauge Assembly<br>(Consists of items 1-28) |

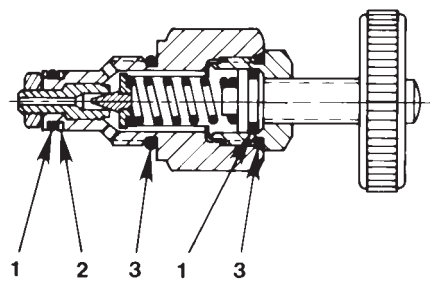
Part numbers marked with an asterisk (\*) are contained in Repair Kit No. 300311.

COVER ASSEMBLY



| Item No. | Part No.     | No. Req'd | Description                             |                                 |
|----------|--------------|-----------|-----------------------------------------|---------------------------------|
| 1        | 37717        | 1         | Trade Name Decal (HT75)                 |                                 |
|          | 37502        | 1         | Trade Name Decal (MEL-10005)            |                                 |
|          | 304668       | 1         | Trade Name Decal (4221)                 |                                 |
|          | 204558       | 1         | Trade Name Decal (CAS-10280)            |                                 |
|          | 203037       | 1         | Trade Name Decal (ACTP-1008, ACTP-1009) |                                 |
|          | 201825       | 1         | Trade Name Decal (D-01074AA, D-01169AA) |                                 |
| 2        | 16979        | 2         | Catch                                   |                                 |
| 3        | 16417        | 4         | Pop Rivet                               |                                 |
| 4        | 16420        | 1         | Channel Grommet                         |                                 |
| 5        | 60365        | 1         | Cover (Unpainted)                       |                                 |
|          | 60422BL2     | 1         | Cover Assembly (4221, MEL-10005)        | } Consists of<br>Items 1 thru 5 |
|          | 60422OR9     | 1         | Cover Assembly (HT75)                   |                                 |
|          | 60422-AC-OR9 | 1         | Cover Assembly (ACTP-1008, ACTP-1009)   |                                 |
|          | 60422WH2     | 1         | Cover Assembly (CAS-10280)              |                                 |
|          | 60422BR13    | 1         | Cover Assembly (D-01074AA, D-01169AA)   |                                 |

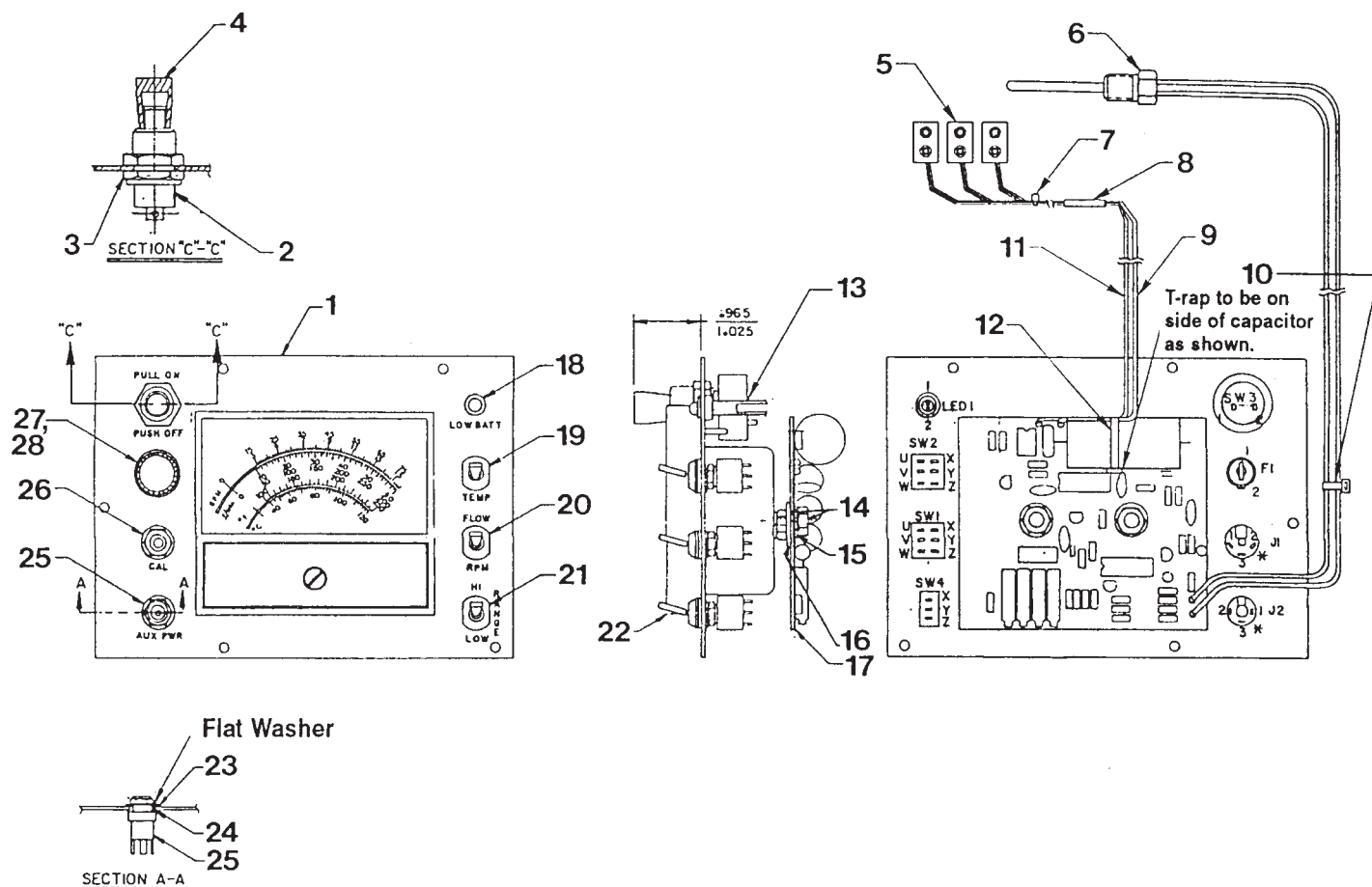
CARTRIDGE RELIEF VALVE ASSEMBLY



| Item No. | Part No. | No. Req'd | Description                         |
|----------|----------|-----------|-------------------------------------|
| 1        | *10268   | 2         | O-ring (1/2 x 3/8 x 1/16)           |
| 2        | *11863   | 1         | Backup Washer<br>(1/2 x 3/8 x 1/16) |
| 3        | *10527   | 2         | O-ring<br>(13/16 x .644 x .087)     |

Part numbers marked with an asterisk (\*) are contained in Repair Kit No. 300311.

## METER PANEL ASSEMBLY



| Item No. | Part No. | No. Req'd | Description                 | Item No. | Part No. | No. Req'd | Description                          |
|----------|----------|-----------|-----------------------------|----------|----------|-----------|--------------------------------------|
| 1        | 51092    | 1         | Meter Panel                 | 16       | 10440    | 2         | Special Washer                       |
| 2        | 45384    | 1         | Switch                      | 17       | 51728    | 1         | Printed Circuit Board                |
| 3        | 211314   | 1         | Hex Nut                     | 18       | 251650   | 1         | LED (Red)                            |
| 4        | 211305   | 1         | Tip                         | 19       | 19920    | 1         | Toggle Switch                        |
| 5        | 17743    | 3         | Battery Strap               | 20       | 17497    | 1         | Toggle Switch                        |
| 6        | 16689    | 1         | Thermistor Probe            | 21       | 16436    | 1         | Toggle Switch                        |
| 7        | 12313    | 3         | Cable Tie                   | 22       | 37867    | 1         | Meter Assembly                       |
| 8        | 234373   | 2         | Solder Sleeve Splice        | 23       | 18335    | 1         | Phenolic Washer                      |
| 9        | 104394   | .67Ft     | 22 Gauge Wire (Red)         | 24       | 18326    | 1         | Swedged Fibre Washer                 |
| 10       | 12313    | 3         | Cable Tie                   | 25       | 16433    | 1         | Jack                                 |
| 11       | 104392   | .67Ft     | 22 Gauge Wire (Black)       | 26       | 16435    | 1         | Phone Jack                           |
| 12       | 13156    | 1         | Non-Releaseable Cable Tie   | 27       | 18292    | 1         | Fuseholder                           |
| 13       | 16782    | .1Ft      | Heat Shrink Tubing          | 28       | 17811    | 1         | Fuse (1/2 Amp, 250V.)                |
| 14       | 104473   | 2         | Brass Nut (#10-32)          |          | 42822    | 1         | Meter Panel (Consists of Items 1-28) |
| 15       | 11456    | 2         | Washer (#10 External Tooth) |          |          |           |                                      |