



# PAYNE / O. THOMPSON

# QUICK LOCATOR GUIDE

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PAYNE/O. THOMPSON

## Car Signal Components



PB-1 with back view



PB-2-1



PB-2C



PB-2A-DOOR OPEN



PKS-1



PKS-2



PKS-3



PKS-6



PKS-8



PKS-8-1A

| S.E.E.S. # | O.E.M.#  | Description                                                            |
|------------|----------|------------------------------------------------------------------------|
| PB-1       | M-2415E  | <b>Stop Switch</b> , emergency stop switch marked "ON/OFF"             |
| PB-1A      | M-2415EA | <b>Stop Switch</b> and alarm 1N.O.,1N.C.                               |
| PB-2-      | M-2366   | <b>Pushbutton assembly</b> , specify button marking, i.e. PB-2-1       |
| PB-2A-     |          | <b>Button</b> , specify marking, i.e. PB-2A-DOOR OPEN                  |
| PB-2C      |          | <b>Cap</b> , clear for button PB-2A series                             |
| PKS-1      | M3137-C  | <b>Key Switch</b> , Fire Service, car, 6330 key                        |
| PKS-1A     | 6330     | <b>Key</b> , 6330, barrel type for PKS-1 & 2                           |
| PKS-2      | M3035-H  | <b>Key Switch</b> , Fire Service, hall, 6330 key                       |
| PKS-3      |          | <b>Key Switch</b> , Independent service, 6304 key                      |
| PKS-3A     | 6304     | <b>Key</b> , 6304, barrel type for PKS-3                               |
| PKS-4      | 4079-70  | <b>Key Switch</b> , Off, On, spring loaded, 6304 key                   |
| PKS-6      |          | <b>Key Switch</b> , Off, On, key removable in both positions, 6304 key |
| PKS-8      |          | <b>Key Switch Assy</b> , Inspection Off-On, 6305 key                   |
| PKS-8A     | 6305     | <b>Key</b> , 6305 key used for inspection                              |
| PKS-8-1A   | 4079DC   | <b>Key Switch</b> , 2 Position, 2 Key Pull "OFF-ON", 6305 key          |
| PKS-9A     | 6315     | <b>Key Payne Fire Service 6315</b>                                     |

## Coils



PC-8



PC-9



PC-1



PC-3



PC-2



PC-4



PC-19



PC-18



PC-20

| S.E.E.S. # | O.E.M.# | Description                        |
|------------|---------|------------------------------------|
| PC-8       | KD-208  | 220VAC, 1200 ohms                  |
| PC-9       | KD-119  | 220VDC, 1200 ohms                  |
| PC-1       | N-133   | 220VDC, 120 ohms                   |
| PC-6       | N-146   | 220VDC, 200 ohms                   |
| PC-7       | N-148   | 208VDC, 90 ohms                    |
| PC-15      | N-375   | 110VDC, 875 ohms                   |
| PC-16      | N-381   | 220VDC, 400 ohms                   |
| PC-17      | N-559   | 550VAC, 2000 ohms                  |
| PC-18      | N-571   | 220 VDC, 5000 ohms                 |
| PC-3       | C-583   | 220VAC 1200 ohms                   |
| PC-2       | L-573   | 70VDC, 100 ohms                    |
| PC-19      | MA-125  | 208VAC, 1500 ohms                  |
| PC-20      | C115    | Dual 20 ohms 1 & 2 / 27 ohms 3 & 4 |
| PC-21      | MA-11   | 220VAC, 2.0 Ohm "M" Machine Brake  |
| PC-10      | C-478   | 600 ohms*                          |
| PC-11      | C-499   | 8 ohms*                            |
| PC-12      | C-519   | 3 ohms*                            |
| PC-13      | C-53    | 50 ohms*                           |
| PC-14      | C-550   | 2000 ohms*                         |
| PC-4       | V-225   | 110VDC, 800 ohms                   |
| PC-5       | V-224   | 175VDC, 1000 ohms                  |

\*Voltage varies.

## Coils

| S.E.E.S. # | O.E.M.#       | Coil Description |        |
|------------|---------------|------------------|--------|
| OTC-1      | 108, 250003   | 80 ohm           | 40VDC  |
| OTC-2      | 111, 250004   | 150 ohm          | 60VDC  |
| OTC-3      | 112, 250005   | 1800 ohm         | 70VDC  |
| OTC-4      | 114           | 2700 ohm         | 65VDC  |
| OTC-5      | N-136, 250009 | 900 ohm          | 110VDC |
| OTC-6      | 142, 250011   | 2540 ohm         | 230VDC |
| OTC-7      | N-143, 250012 | 3670 ohm         | 230VDC |
| OTC-8      | 146, 250013   | 5670 ohm         | 230VDC |
| OTC-9      | 241, 250023   | 2100 ohm         | 230VDC |
| OTC-11     | #239          | 850 ohm          | 160VDC |
| OTC-12     | #211          | 24 ohm           | 220VAC |
| OTC-13     | #550          | 4100 ohm         | 550VAC |

■ OTC-1 thru OTC-8  
2" OD x 1-3/16" H x 7/8" ID, 2-3/8" C/C mounting holes

■ OTC-9  
2-1/4" OD x 2-3/8" H x 1-3/32" ID, 2-3/4" C/C mounting holes



OTC-1 thru OTC-8



OTC-9



OTC-11



OTC-13

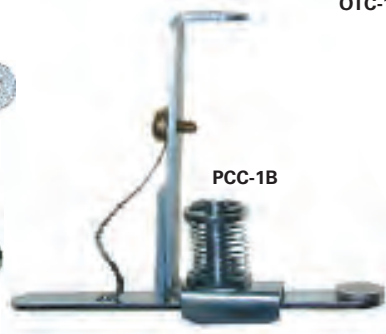
## Contacts



PCC-1



PCC-1A



PCC-1B



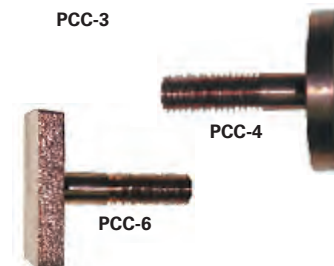
PCC-2

PCC-2B

| S.E.E.S. # | O.E.M.# | Description                                                                        |
|------------|---------|------------------------------------------------------------------------------------|
| PCC-1      | M-1607  | Contact finger, 3-3/8" L x 3/8" W                                                  |
| PCC-1A     | M1610   | Finger contact assembly with auxiliary contact                                     |
| PCC-1B     | M1656   | Contact assembly                                                                   |
| PCC-1C     | M1609   | Contact finger                                                                     |
| PCC-1D     | M1616   | Contact, stationary, 2-3/8" L for PCC-1B                                           |
| PCC-2      | M1617   | Contact, 2-7/8" L, with 3/8" diameter contact face                                 |
| PCC-2B     | M1619   | Contact, 3-3/8" L, with 3/8" diameter contact face                                 |
| PCC-3      | K-2839  | Carbon contact, 1-3/16" diameter x 3/4" L (makes with PCC-4)                       |
| PCC-3A     | K-1415  | Carbon contact, 7/8" diameter x 3/4" L (makes with PCC-4A)                         |
| PCC-4      | K-2840  | Copper contact, head 1-1/4" dia. x 5/16". Stem 5/16" dia. x 1-3/8" L               |
| PCC-4A     | K-2587  | Copper contact, head 1" dia. x 1/4", stem 1/4" dia. x 1-3/8" L                     |
| PCC-6      | K-1786  | Copper contact, head 1-5/8" x 1-3/8", stem 3/8" diameter x 2" L (makes with PCC-7) |
| PCC-7      | K-1399  | Carbon contact, 1-1/4" x 1-1/2"                                                    |



PCC-3



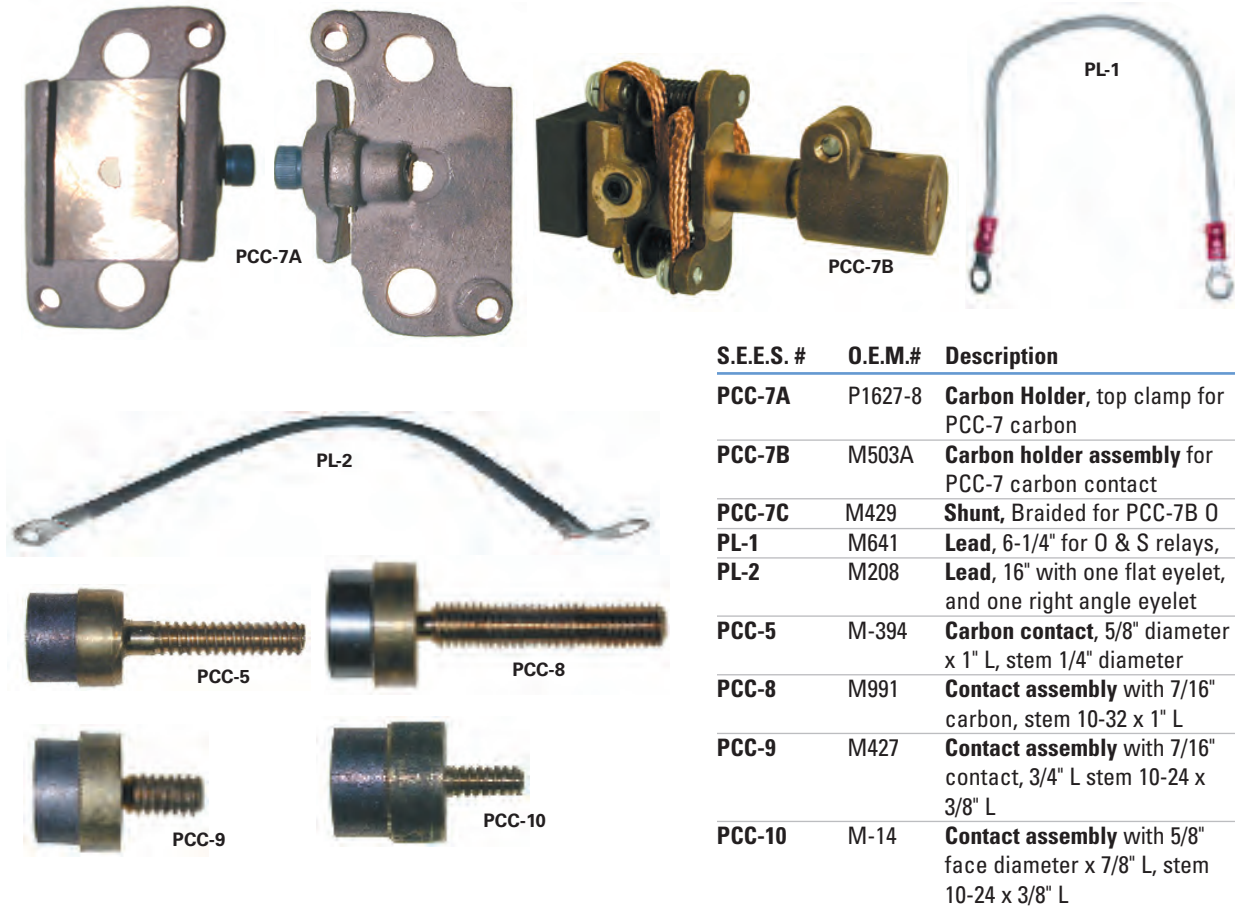
PCC-4

PCC-6



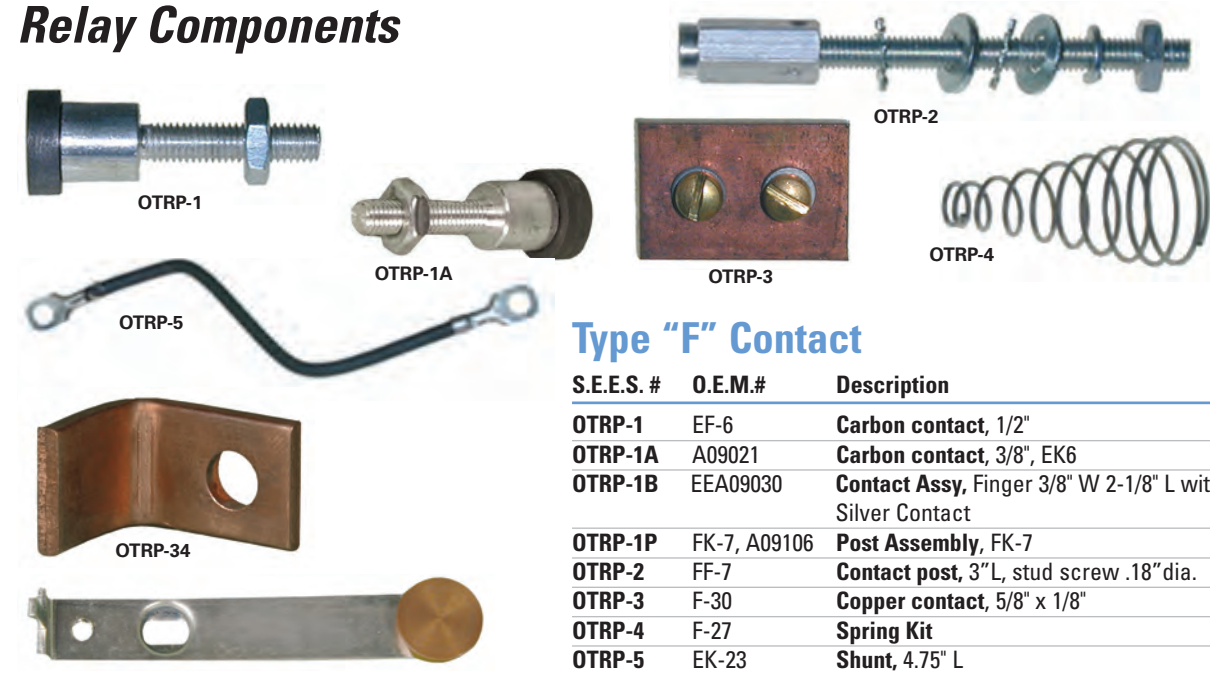
PCC-7

## Contacts



| S.E.E.S. # | O.E.M.# | Description                                                                   |
|------------|---------|-------------------------------------------------------------------------------|
| PCC-7A     | P1627-8 | <b>Carbon Holder</b> , top clamp for PCC-7 carbon                             |
| PCC-7B     | M503A   | <b>Carbon holder assembly</b> for PCC-7 carbon contact                        |
| PCC-7C     | M429    | <b>Shunt</b> , Braided for PCC-7B O                                           |
| PL-1       | M641    | <b>Lead</b> , 6-1/4" for O & S relays,                                        |
| PL-2       | M208    | <b>Lead</b> , 16" with one flat eyelet, and one right angle eyelet            |
| PCC-5      | M-394   | <b>Carbon contact</b> , 5/8" diameter x 1" L, stem 1/4" diameter              |
| PCC-8      | M991    | <b>Contact assembly</b> with 7/16" carbon, stem 10-32 x 1" L                  |
| PCC-9      | M427    | <b>Contact assembly</b> with 7/16" contact, 3/4" L stem 10-24 x 3/8" L        |
| PCC-10     | M-14    | <b>Contact assembly</b> with 5/8" face diameter x 7/8" L, stem 10-24 x 3/8" L |

## Relay Components



### Type "F" Contact

| S.E.E.S. # | O.E.M.#      | Description                                                         |
|------------|--------------|---------------------------------------------------------------------|
| OTRP-1     | EF-6         | <b>Carbon contact</b> , 1/2"                                        |
| OTRP-1A    | A09021       | <b>Carbon contact</b> , 3/8", EK6                                   |
| OTRP-1B    | EEA09030     | <b>Contact Assy</b> , Finger 3/8" W 2-1/8" L with Silver Contact    |
| OTRP-1P    | FK-7, A09106 | <b>Post Assembly</b> , FK-7                                         |
| OTRP-2     | FF-7         | <b>Contact post</b> , 3"L, stud screw .18" dia.                     |
| OTRP-3     | F-30         | <b>Copper contact</b> , 5/8" x 1/8"                                 |
| OTRP-4     | F-27         | <b>Spring Kit</b>                                                   |
| OTRP-5     | EK-23        | <b>Shunt</b> , 4.75" L                                              |
| OTRP-32    | SK30F, F-30A | <b>Copper Contact Finger</b> , 1/2" W, 5/8" O.D.                    |
| OTRP-34    | SK37         | <b>Copper Contact</b> , stationary, 90° angle w/ 1/4" diameter hole |

## Relay Components



OTRP-6



OTRP-7



OTRP-8



OTRP-9

### Type "G" Contact

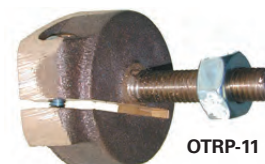
| S.E.E.S. # | O.E.M.#    | Description                 |
|------------|------------|-----------------------------|
| OTRP-6     | G-32       | Carbon contact, 5/8" x 1/2" |
| OTRP-7     | F-33       | Carbon holder               |
| OTRP-8     | G-30       | Copper contact, 3/4" x 1/8" |
| OTRP-9     | G-19       | Spring Kit                  |
| OTRP-30    | G6, 710106 | Hinge Pin, G-6              |



OTRP-30



OTRP-10



OTRP-11

### Type "H" Contact

| S.E.E.S. # | O.E.M.# | Description                                               |
|------------|---------|-----------------------------------------------------------|
| OTRP-10    | H-31    | Carbon contact, 1-1/2" dia.                               |
| OTRP-10A   | A09021  | Contact, Copper 1-3/4" Dia. 3/8" Thick 3/8" Diameter Stem |
| OTRP-11    | H-32    | Carbon holder                                             |
| OTRP-12    | K38-2   | Contact post, 3-1/2" L                                    |
| OTRP-13    | K-30    | Contact spring                                            |
| OTRP-14    |         | Copper contact, 1-3/4" x 1/4"                             |
| OTRP-14A   | HK-23   | Replacement shunt, for OTRP-18                            |



OTRP-12



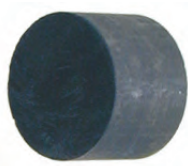
OTRP-13



OTRP-14



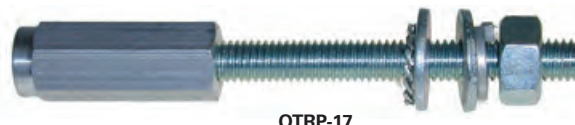
OTRP-14A



OTRP-15



OTRP-16



OTRP-17

### Type "J" Contact

| S.E.E.S. # | O.E.M.#    | Description                                                    |
|------------|------------|----------------------------------------------------------------|
| OTRP-15    | K-35       | Carbon contact, 1-1/8"                                         |
| OTRP-15A   | KM-33-2    | Contact, Copper 1-1/4" Diameter 3/8" Thick Used In KL-HM Relay |
| OTRP-16    | K-36       | Carbon holder                                                  |
| OTRP-17    | K-38-2     | Contact post, 4-3/4" L                                         |
| OTRP-18    | A09058     | Contact blade & shunt                                          |
| OTRP-19    | K-30       | Spring Kit                                                     |
| OTRP-20    | K-33       | Copper, 1-1/4" x 3/16"                                         |
| OTRP-28    |            | Copper, round, 1-3/4" x 3"                                     |
| OTRP-31    | K8, 710114 | Hinge Pin, K-8                                                 |



OTRP-18



OTRP-19



OTRP-20



OTRP-31



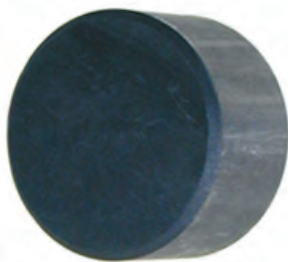
## Relay Components



OTRP-21



OTRP-23



OTRP-24



OTRP-26

### Type "L" Contact

| S.E.E.S. # | O.E.M.# | Description                        |
|------------|---------|------------------------------------|
| OTRP-21    | CK-35   | Carbon contact, 3/4" dia.          |
| OTRP-23    | CK-33   | Copper contact, 1" x 3/16"         |
| OTRP-33    | 278005  | Coupling, 5/16" x 3/8" for encoder |

### Type "NC" Contact

| S.E.E.S. # | O.E.M.#    | Description                   |
|------------|------------|-------------------------------|
| OTRP-24    | NC-31      | Carbon contact, 1-3/4" dia.   |
| OTRP-26    | H-2-1/4-28 | Copper contact, 2-1/4" x 3/8" |

## Seals and Belts



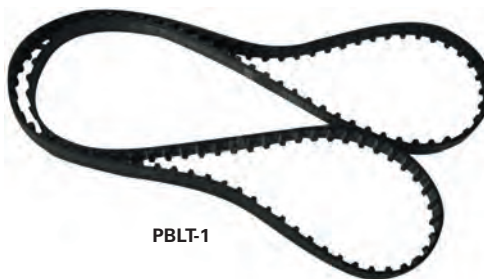
PPAC-1



PPAC-3



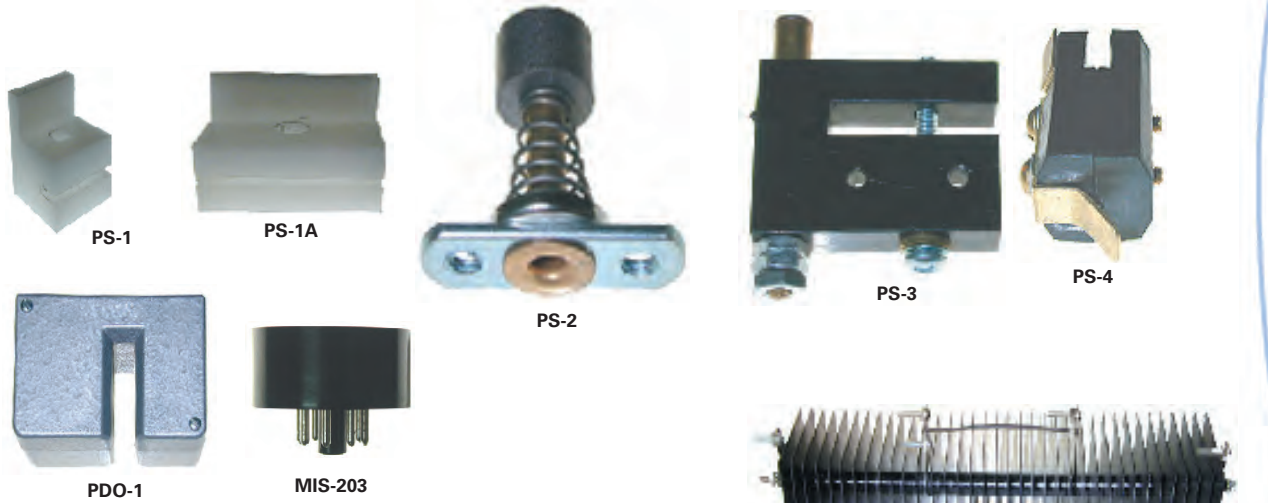
PPAC-4



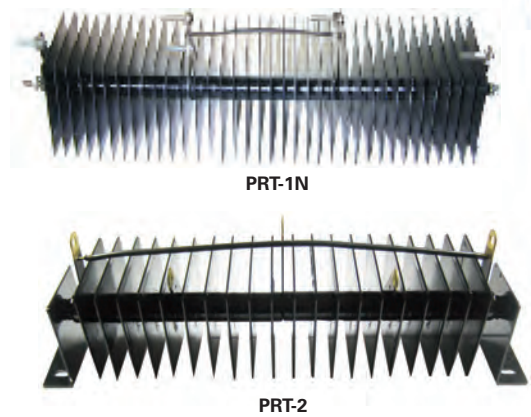
PBLT-1

| S.E.E.S. # | Description                                       |
|------------|---------------------------------------------------|
| PPAC-1     | Seal, pedestal, for #302 Machine, 3.375" x 4.375" |
| PPAC-2     | Seal, pedestal/sheave, for #402 Machine           |
| PPAC-3     | Seal, worm shaft for #302 Machine                 |
| PPAC-4     | Seal, Worm Shaft Used On Payne 401 & 402 Machine  |
| PBLT-1     | Belt, timing belt for selector, 26" x 3/8"        |
| PBLT-2     | Belt, 23" x 3/8"                                  |
| PBLT-3     | Belt, 16" x 3/8"                                  |

## Selector Parts

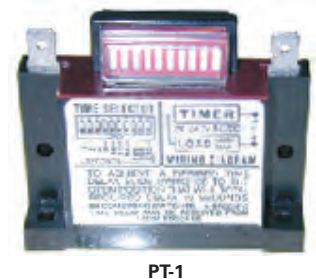


| S.E.E.S. # | O.E.M.# | Description                              |
|------------|---------|------------------------------------------|
| PS-1       | K-7981  | Selector tape guide, 5/8" W              |
| PS-1A      |         | Selector tape guide, 1" W                |
| PS-2       | M-1083  | Selector contact assembly                |
| PS-3       | M-2924  | Selector contact, movable                |
| PS-4       | M-2925  | Selector contact, stationary             |
| PDO-1      | K6780   | Magnetic switch                          |
| MIS-203    | K7822   | Rectifier, silicon, plug-in              |
| PRT-1N     | C1247   | Rectifier, 36 plates, 2-5/8" negative    |
| PRT-1P     | C1246   | Rectifier, 36 plates, 2-5/8" positive    |
| PRT-2      |         | Rectifier, 20 Plate 2"SQ, full wave 115V |



## Timer Kit

| S.E.E.S. # | O.E.M.#         | Description                                                                      |
|------------|-----------------|----------------------------------------------------------------------------------|
| PT-1       | K7754,<br>M7754 | Timer Replacement kit and instructions. this timer replaces old style (obsolete) |



## Wheels



| S.E.E.S.# | O.E.M.# | Description                                            |
|-----------|---------|--------------------------------------------------------|
| MIS-187   | M1286   | Roller, 3" O.D. x 1" W x .5906" I.D., two bearings     |
| MIS-187A  | M1289   | Roller, 5" O.D. x 1-1/4" W x .7874" I.D., two bearings |
| MIS-187B  | M1292   | Roller, 7" O.D. x 1-1/4" W x .7874" I.D., two bearings |

## Tap and Drill Sizes for Numbered Machine Screws

| Tap Size<br># Threads / Inch | Drill Sizes<br>Inches | Drill # |
|------------------------------|-----------------------|---------|
| 0-80                         | 0.0469                | 3/64"   |
| 1-56                         | 0.0550                | 54      |
| 1-64 & 72                    | 0.0595                | 53      |
| 2-56 & 64                    | 0.0700                | 50      |
| 3-48                         | 0.0785                | 47      |
| 3-56                         | 0.0820                | 45      |
| 4-32                         | 0.0820                | 45      |
| 4-36                         | 0.0860                | 44      |
| 4-40                         | 0.0890                | 43      |
| 4-48                         | 0.0935                | 42      |
| 5-40                         | 0.1015                | 38      |
| 5-44                         | 0.1040                | 37      |
| 6-32                         | 0.1066                | 36      |
| 6-36                         | 0.1110                | 34      |
| 6-40                         | 0.1130                | 33      |
| 8-32 & 36                    | 0.1360                | 29      |
| 8-40                         | 0.1405                | 28      |
| 10-24                        | 0.1495                | 25      |
| 10-30                        | 0.1570                | 22      |
| 10-32                        | 0.1590                | 21      |
| 12-24                        | 0.1770                | 16      |
| 12-28                        | 0.1820                | 14      |
| 12-32                        | 0.1850                | 13      |

| Tap Inch-<br>Threads/Inch | Drill Sizes<br>Inches | Drill # or<br>Letter Size |
|---------------------------|-----------------------|---------------------------|
| 1/4"-20                   | 0.2010                | 7                         |
| 1/4"-28                   | 0.2130                | 3                         |
| 5/16"-18                  | 0.2570                | F                         |
| 5/16"-24                  | 0.2720                | I                         |
| 3/8"-16                   | 0.3125                | 5/16"                     |
| 3/8"-24                   | 0.3320                | Q                         |
| 7/16"-14                  | 0.3680                | U                         |
| 7/16"-20                  | 0.3903                | 25/64"                    |
| 1/2"-13                   | 0.4219                | 27/64"                    |
| 1/2"-20                   | 0.4531                | 29/64"                    |
| 9/16"-12                  | 0.4844                | 31/64"                    |
| 9/16"-18                  | 0.5156                | 33/64"                    |
| 5/8"-11                   | 0.5312                | 17/32"                    |
| 5/8"-18                   | 0.5781                | 37/64"                    |
| 3/4"-10                   | 0.6562                | 21/32"                    |
| 3/4"-16                   | 0.6875                | 11/16"                    |
| 7/8"-9                    | 0.7656                | 49/64"                    |
| 7/8"-14                   | 0.8125                | 13/16"                    |
| 1"-8                      | 0.8750                | 7/8"                      |
| 1"-12&14                  | 0.9375                | 59/64"                    |

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