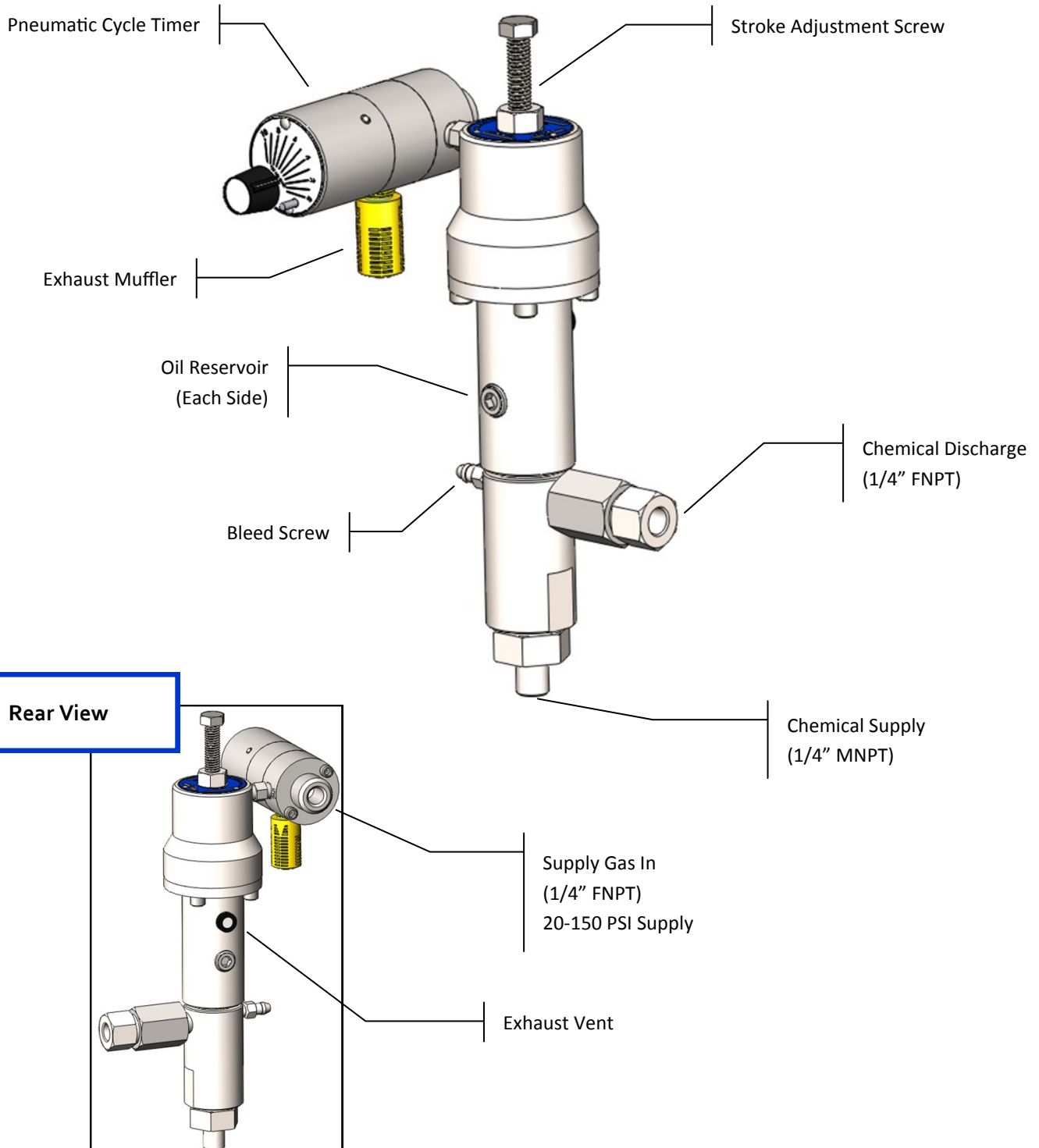


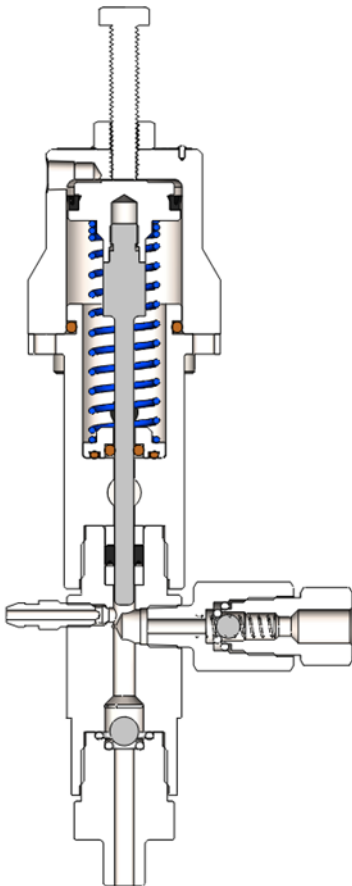
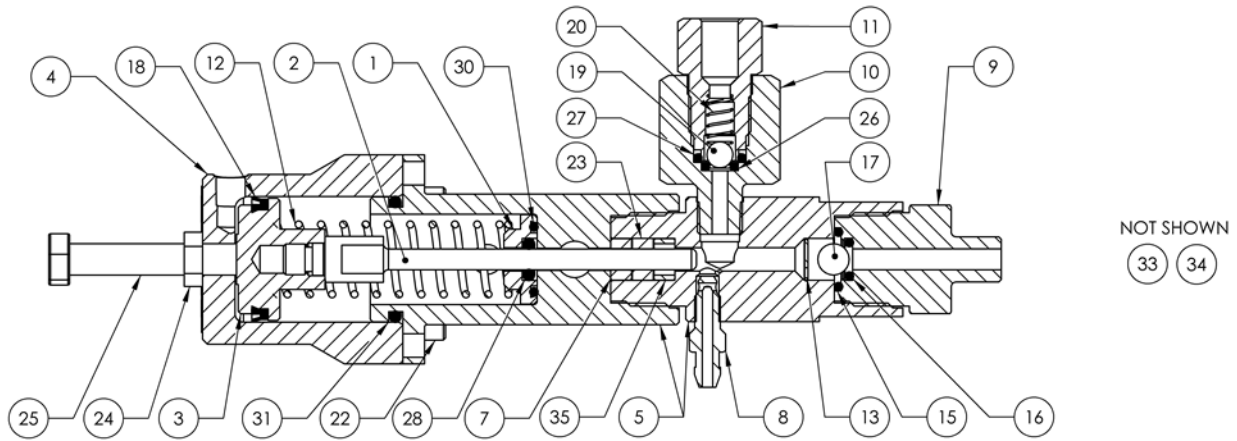
# MODEL 2515

## PNEUMATIC CHEMICAL METERING PUMP

### PARTS OVERVIEW

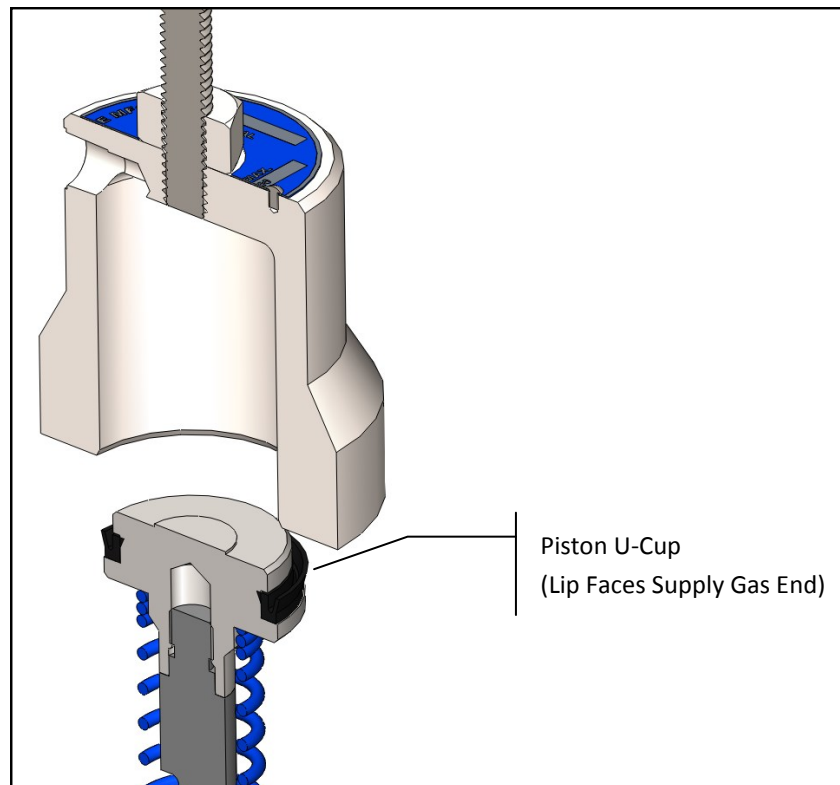


## PARTS DETAIL



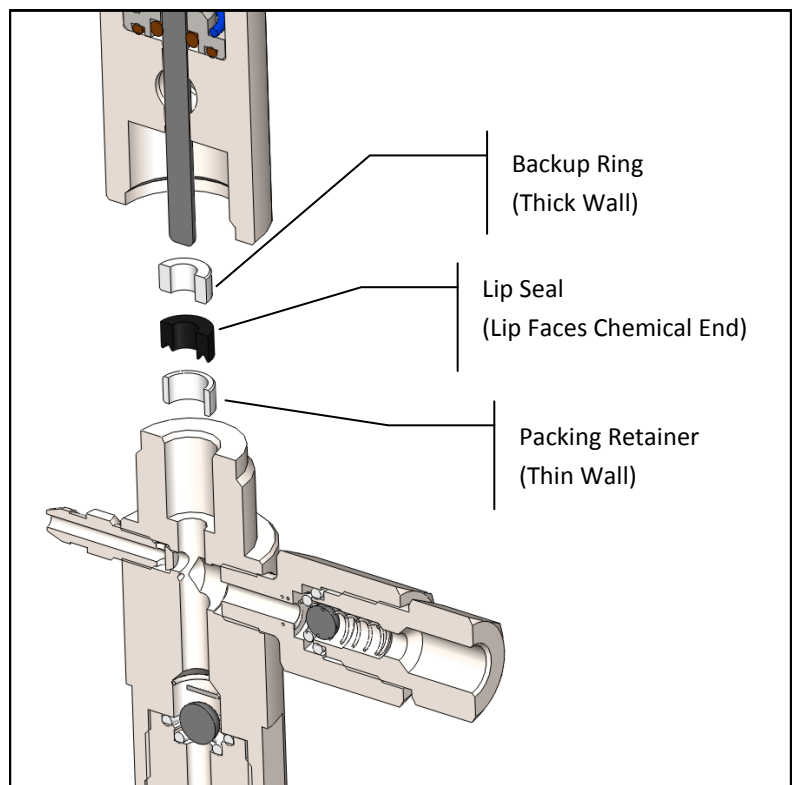
| Item | Part Number | Qty | Material           | Description                 |
|------|-------------|-----|--------------------|-----------------------------|
| 1    | 30180       | 1   | 316 SST            | Retainer Seal Plunger       |
| 2    | 30190       | 1   | 17-4SST            | Plunger                     |
|      | 30191       |     | Ceramic Coated     |                             |
| 3    | 30170       | 1   | 303 SST            | Piston                      |
| 4    | 30201       | 1   | 303 SST            | Piston Housing              |
| 5    | 30160       | 1   | 316 SST            | Body Assembly               |
| 7    | 30090       | 1   | Delrin             | Ring Back-Up                |
| 8    | 30100       | 1   | 316 SST            | Bleed Screw                 |
| 9    | 30110       | 1   | 316 SST            | Suction Check               |
| 10   | 30230       | 1   | 316 SST            | Body Discharge Check Inlet  |
| 11   | 30240       | 1   | 316 SST            | Body Discharge Check Outlet |
| 12   | 30210X      | 1   | Hasteloy C         | Return Spring               |
| 13   | 30380       | 1   | 316 SST            | Ball Stop                   |
| 15   | 40040       | 1   | Viton              | O-Ring                      |
|      | 40041       |     | TFE                |                             |
|      | 40042       |     | Buna-N             |                             |
| 16   | 40021       | 1   | TFE                | O-Ring                      |
| 17   | 40430       | 1   | 316 SST            | Ball                        |
|      | 40431       |     | Carbide            |                             |
| 18   | 40250       | 1   | Lubrithane         | U-Cup                       |
|      | 40252       |     | Viton              |                             |
| 19   | 40320       | 1   | 316 SST            | Ball                        |
|      | 40321       |     | Carbide            |                             |
| 20   | 40260       | 1   | 302 SST            | Discharge Check Spring      |
| 22   | 40140       | 4   | 18-8 SST           | Socket Head Screw           |
| 23   | 40220       | 1   | UHMWPE (U)         | Seal                        |
|      | 40221       |     | TFE/Carbon (C)     |                             |
|      | 40222       |     | TFE/Glass Moly (G) |                             |
|      | 40223       |     | TFE/Graphite (Q)   |                             |
|      | 40224       |     | TFE/ETP (E)        |                             |
|      | 40225       |     | Buna-N (B)         |                             |
| 24   | 40610       | 1   | 18-8 SST/Buna-N    | Nut Self-Sealing            |
| 25   | 40600       | 1   | 18-8 SST           | Hex Head Cap Screw          |
| 26   | 40281       | 1   | TFE                | O-Ring                      |
| 27   | 40340       | 1   | Viton              | O-Ring                      |
|      | 40341       |     | TFE                |                             |
|      | 40342       |     | Buna-N             |                             |
| 28   | 40060       | 1   | Viton              | O-Ring                      |
|      | 40062       |     | Buna-N             |                             |
| 30   | 40300       | 1   | Viton              | O-Ring                      |
|      | 40302       |     | Buna-N             |                             |
| 31   | 40400       | 1   | Viton              | O-Ring                      |
|      | 40402       |     | Buna-N             |                             |
| 33   | 40450       | 2   | SST                | Plug                        |
| 34   | 40860       | 1   | Nylon              | Vent                        |
| 35   | 30096       | 1   | Delrin             | Packing Ring                |

## ASSEMBLY DETAILS—LIP SEALS

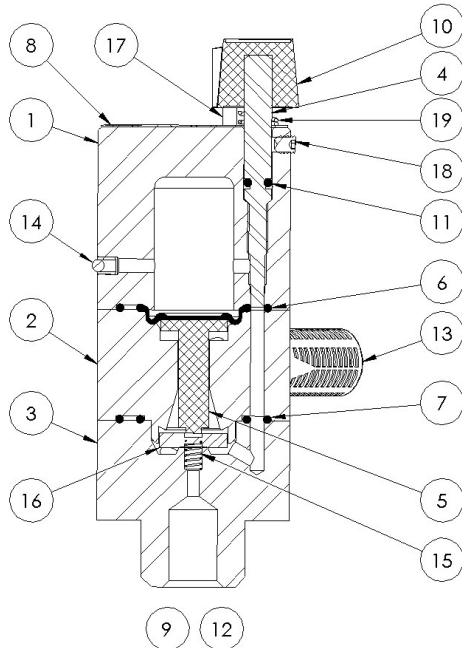


### Disassembling Body

- Pumps are shipped with oil in reservoir. Drain reservoir prior to disassembly by removing 1/4" MNPT plugs
- Holding the piston housing, lightly tap the discharge check, torqueing the two body parts in the clockwise direction either using a rubber mallet or other soft surface
- Ensure seals and retainer rings are placed in the proper order/orientation and seal is not damaged on insertion.
- Refill oil reservoir before use with hydraulic oil or similar lubricating oil recommended for your climate



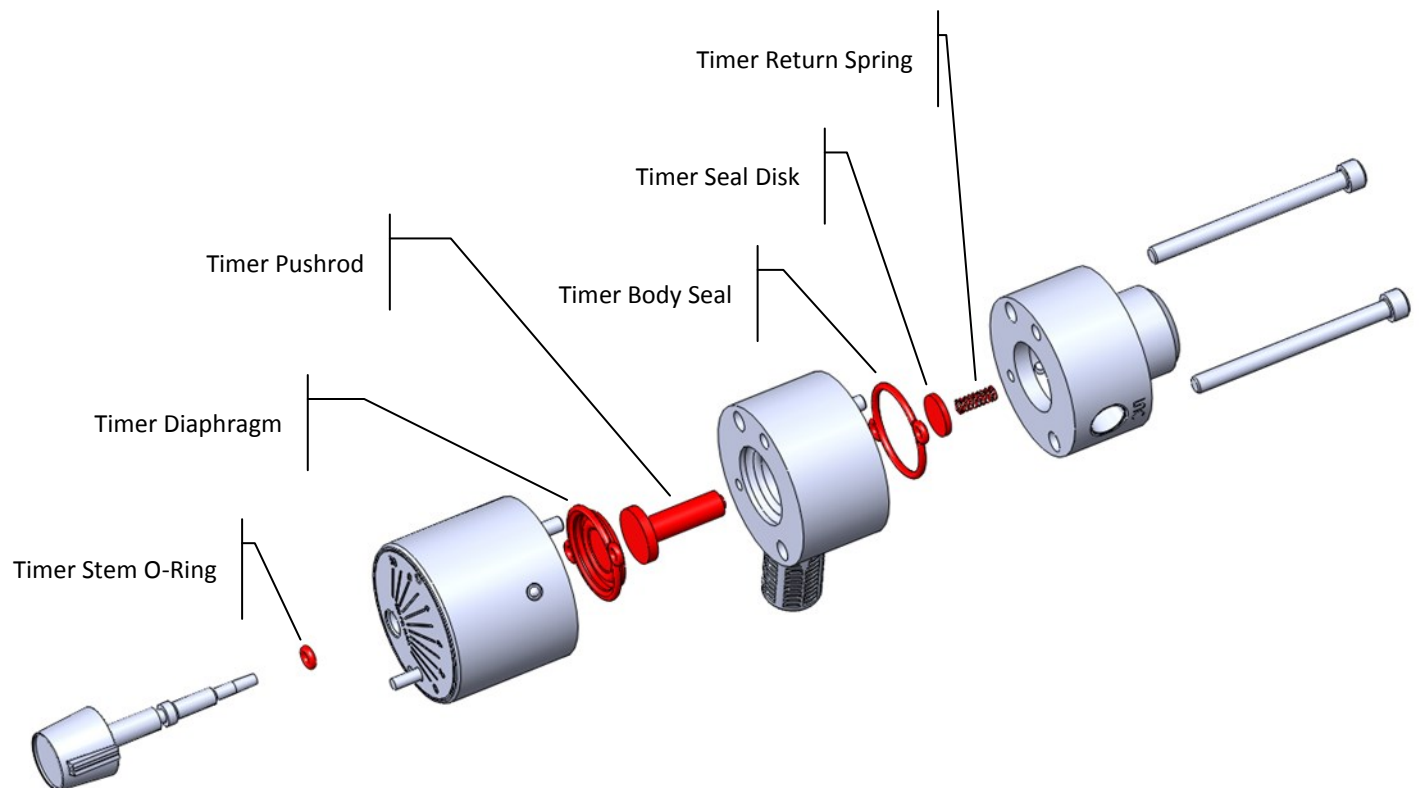
## PARTS DETAIL (MPT TIMER)



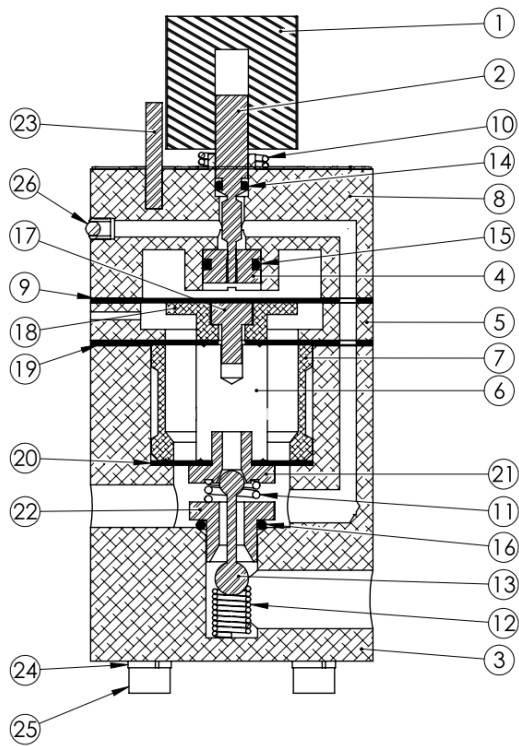
NOT SHOWN IN DRAWING

| Item | Part Number | Description              | Qty | Material     |
|------|-------------|--------------------------|-----|--------------|
| 1    | 20033       | TIMER BODY, VOLUME       | 1   | 303 SST      |
| 2    | 20041       | TIMER BODY, CENTER       | 1   | 303 SST      |
| 3    | 20051       | TIMER BODY, INLET        | 1   | 303 SST      |
| 4    | 20060       | TIMER VALVE STEM         | 1   | 316 SST      |
| 5    | 20090       | TIMER PUSH ROD           | 1   | Delrin       |
| 6    | 20000       | TIMER DIAPHRAGM          | 1   | Buna-N (NBR) |
| 7    | 20010       | TIMER BODY SEAL          | 1   | Buna-N (NBR) |
| 8    | 40010       | TIMER SCALE              | 1   | Aluminum     |
| 9    | 21010       | TIMER SCREW              | 2   | 18-8 SST     |
| 10   | 21030       | TIMER KNOB               | 1   | Nylon        |
| 11   | 21040       | TIMER STEM O-RING        | 1   | Buna-N (NBR) |
| 12   | 21080       | TIMER CENTERING ROLL PIN | 2   | 18-8 SST     |
| 13   | 21061       | MUFFLER (1/4")           | 1   | Nylon        |
| 14   | 21050       | PLUG BALL                | 1   | 18-8 SST     |
| 15   | 21020       | TIMER RETURN SPRING      | 1   | 302 SST      |
| 16   | 20080       | TIMER SEAL DISK          | 1   | Teflon       |
| 17   | 21090       | TIMER KNOB PIN           | 1   | 18-8 SST     |
| 18   | 20020       | TIMER SET SCREW          | 1   | 18-8 SST     |
| 19   | 21070       | TIMER KNOB SPRING        | 1   | 302 SST      |

## TRK MPT Contents



## PARTS DETAIL (MPT-II TIMER)



| ITEM | PART NUMBER | DESCRIPTION             | MATERIAL | QTY |
|------|-------------|-------------------------|----------|-----|
| 1    | 21030       | KNOB                    | NYLON    | 1   |
| 2    | 31080       | TIMER STEM              | SST      | 1   |
| 3    | 31070       | BODY LOWER              | ALUM     | 1   |
| 4    | 31010       | SEAT                    | SST      | 1   |
| 5    | 31030       | BODY CENTER             | ALUM     | 1   |
| 6    | 31020       | SPACER                  | ALUM     | 1   |
| 7    | 31040       | CAGE                    | ALUM     | 1   |
| 8    | 31060       | BODY VOLUME             | ALUM     | 1   |
| 9    | 31050       | RETAINER                | ALUM     | 1   |
| 10   | 31140       | KNOB SPRING             | SST      | 1   |
| 11   | 31150       | SPRING SEAT             | SST      | 1   |
| 12   | 31130       | SPRING PEANUT           | SST      | 1   |
| 13   | 31220       | PEANUT                  | SST      | 1   |
| 14   | 21040       | O-RING STEM             | BUNA     | 1   |
| 15   | 31192       | O-RING SEAT             | BUNA     | 1   |
| 16   | 31202       | O-RING LOWER SEAT       | BUNA     | 1   |
| 17   | 31210       | SHC SCREW (SHORT)       | SST      | 1   |
| 18   | 31120       | DIAPHRAGM UPPER         | BUNA     | 1   |
| 19   | 31110       | DIAPHRAGM MIDDLE        | BUNA     | 1   |
| 20   | 31100       | DIAPHRAGM LOWER         | BUNA     | 1   |
| 21   | 31230       | SEAT UPPER              | SST      | 1   |
| 22   | 31240       | SEAT LOWER              | SST      | 1   |
| 23   | 21090       | TIMER PIN               | SST      | 1   |
| 24   | 31160       | LOCK WASHER             | SST      | 4   |
| 25   | 31170       | SHC SCREW (LONG)        | SST      | 4   |
| 26   | 21050       | PLUG BALL               | SST      | 1   |
| 27   | 31005       | TIMER LABEL (NOT SHOWN) | N/A      | 1   |
| 28   | 40560       | NIPPLE 1/8"             | SST      | 1   |
| 29   | 21061       | MUFFLER (NOT SHOWN)     | ACETAL   | 1   |

## MPT-II CONNECTIONS

