



| Item | Description                                               | Qty. | Part Number |
|------|-----------------------------------------------------------|------|-------------|
| 1    | Adapter:                                                  |      |             |
|      | AM-1 .....                                                | 1    | 013166-001  |
|      | AM-5, Shown .....                                         | 1    | 517758-001  |
| 2    | Adapter, Adjusting Stem.....                              | 1    | 512372-003  |
| 3    | Bearing, 1/4" I.D. x 1/2" O.D. x 1-1/4" Long, Sleeve..... | 2    | 642228-450  |
| 4    | +@1 Board Assembly:                                       |      |             |
|      | 110 Volt, STANDARD (See Note 1) .....                     | 1    | 529290-001  |
|      | 220 Volt .....                                            | 1    | 529290-002  |
| 5    | Bracket .....                                             | 2    | 529246-001  |
| 6    | @1 Decal, Instruction .....                               | 1    | 529296-001  |
| 7    | Decal, Caution.....                                       | 1    | 529499-001  |
| 8    | R Fuse, 1/2 Amp, 125 Vac .....                            | 1    | 644588-432  |
| 9    | Nut, #6-32 Lock Keys Hex Shakeproof .....                 | 8    | 642210-407  |
| 10   | Screw, #6-32 x 3/8" Round HD Slot .....                   | 8    | 003213-400  |
| 11   | Shield .....                                              | 1    | 529476-001  |
| 12   | Washer, Flat 5/16" O.D. X 5/32" I.D. X 3/64" .....        | 8    | 642511-403  |
| 13   | Clamp, Oil Tube .....                                     | 1    | 003905-001  |
| 14   | +@2 Connector Assembly, 8-Wire .....                      | 1    | 529252-001  |
| 15   | Coupling, Drive .....                                     | 1    | 506407-001  |
| 16   | @3 Coupling, Input .....                                  | 1    | See Note 3  |
| 17   | R@4 Cover .....                                           | 1    | 552978-001  |
| 18   | Cover, Adjusting Stem.....                                | 1    | 003553-001  |
| 19   | Cup, Oil.....                                             | 1    | 006588-001  |
| 20   | + Disc:                                                   |      |             |
|      | 100 Slot.....                                             | 1    | 529242-002  |
|      | 200 Slot.....                                             | 1    | 529242-001  |
| 21   | + Gasket, Base.....                                       | 2    | 002536-001  |
| 22   | Gasket, Cover.....                                        | 1    | 003834-001  |
| 23   | Housing .....                                             | 1    | 529510-001  |
| 24   | Hub.....                                                  | 1    | 004738-001  |
| 25   | +@5 O-Ring, 1/4 x 1/2" Buna.....                          | 2    | 641069-476  |
| 26   | R Gasket .....                                            | 1    | 552975-001  |
| 27   | Pin, Groove, 1/16 x 5/8".....                             | 1    | 006028-002  |
| 28   | R Pin, Groove, 5/64 x 1/2".....                           | 1    | 645809-401  |
| 29   | Plate, Cover.....                                         | 1    | 003440-001  |
| 30   | Screw, #5-40 x 3/8" Pan HD Slot.....                      | 2    | 644636-401  |
| 31   | Screw, #6-32 x 1/4" Pan HD Slot.....                      | 1    | 644312-401  |
| 32   | Screw, #10-24 x 3/4" Fill HD Slot, Drilled .....          | 2    | 006481-003  |
| 33   | Screw, #10-32 x 3/8" Hex Socket HD, Nylock.....           | 2    | 643923-402  |
| 34   | Screw, #10-32 x 1/2" Fill HD Slot .....                   | 2    | 015170-400  |
| 35   | @6 Screw, #10-32 x 3/8" Pan HD Slot.....                  | 4    | 644311-401  |
| 36   | Screw, #10-32 x 7/8" Fill HD Slot .....                   | 2    | 640835-001  |
| 37   | Screw, 3/8-16 x 1-1/4" Cap Hex HD, Drilled .....          | 3    | 642048-420  |
| 38   | @7 Screw, M8-1.25 x 30 mm, Hex Soc HD, Metric .....       | 8    | 644824-401  |
| 39   | Screw, 3/8-16 x 2" Fill HD Slot .....                     | 2    | 060069-002  |
| 40   | +@8 Seal, Wire, and Lead.....                             | 1    | 001627-403  |
| 41   | Shaft, Main .....                                         | 1    | 529245-001  |
| 42   | Spacer .....                                              | 1    | 551480-001  |
| 43   | Spacer Ring, 3/8" .....                                   | 1    | 504464-001  |
| 44   | Stem, Adjusting .....                                     | 1    | 009838-001  |
| 45   | Tube, Oil .....                                           | 1    | 514658-001  |
| 46   | Washer, Flat 5/8" O.D. x 1/4" I.D. x .010" .....          | A/R  | 014012-200  |
| 47   | Washer, Flat 5/8" O.D. x 17/64" I.D. x .030" .....        | 1    | 643130-401  |
| 48   | Wrench, 6 mm Allen, Metric .....                          | 1    | 644827-401  |
| 49   | Tool, Disc Changing .....                                 | A/R  | 009947-001  |

+ Recommended stock.

R Indicates change since last revision.

A/R As required.

@1 Note 1: For special timing, consult the Smith Parts Operation. Please provide meter size, meter ratio, slots in disc, and voltage.

@2 Note 2: Seal with sealing compound, P/N 644139-402. Minimum potting depth must be not less than 1-1/2".

@3 Note 3: Order using Chart A below.

@4 Note 4: Apply a thin coat of grease P/N 005851-600 on mating surfaces before mounting.

@5 Note 5: Grease O-Ring cavity with lubricant P/N 005882-600 before insertion.

@6 Note 6: Apply Loctite P/N 645001-401 to threads.

@7 Note 7: Apply anti-seize lubricant P/N 005893-600 to all cover mounting screws.

@8 Note 8: Run seal wire P/N 001627-403 around body and cover completed assembly.

### Chart A<sup>R</sup>

| Meter Type     | Pressure Range | Gearing    | SS1 Input Coupling |
|----------------|----------------|------------|--------------------|
| E3, F4, G6, H8 | A1, S1, V1     | All        | 014356-* (Std.)    |
| K-12, M-16     | S1, S3, S5     | All        | 501801-*           |
| K-12, M-16     | S6, S7         | All        | 005969-**          |
| J10            | S1, S3, S5     | All        | 501816-*           |
| JA10, JB10     | S1, S3, S5     | All        | 501801-*           |
| JA10, JB10     | S6, S7         | All        | 005969-**          |
| H8             | S3, S5         | All        | 003821-*           |
| H8             | S6, S7         | All        | 005969-**          |
| G6             | A3, S3, S5     | All        | 003821-*           |
| G6             | S6, S7         | All        | 005969-**          |
| F4             | A3, S3, S5     | All        | 003821-*           |
| F4             | S6, S7         | All        | 005969-**          |
| E3             | A3, S3, S5     | All        | 003821-*           |
| E3             | S6, S7         | All        | 005969-**          |
| C2/SC-13       | S1             | Gallons    | 071926-*           |
| C2/SC-13       | S1             | Dekalitres | 071950-*           |
| C2             | S3, S5         | All        | 003821-*           |
| C2             | S6, S7         | All        | 005969-**          |
| GM (Oval Gear) | All            | All        | 301110-201         |
| T-11/I-75      | All            | Gallons    | 008969-*           |
| T-11/I-75      | All            | Dekalitres | 070269-*           |
| T-20/T-150     | All            | Gallons    | 008970-*           |
| T-20/I-150     | All            | Dekalitres | 070685-*           |
| T-40/SD-30     | All            | Gallons    | 515464-*           |
| T-40/SD-30     | All            | Dekalitres | 515491-*           |

\* If main shaft (Item 39) has a diameter of 3/16", order input coupling using -001 as suffix to base part number. If main shaft diameter is 1/4", order input coupling using -002 as suffix to base part number.

\*\* If main shaft (Item 39) has a diameter of 3/16", order input coupling using -001 as suffix to base part number. If main shaft diameter is 1/4", order input coupling using -003 as suffix to base part number.

<sup>R</sup> Entire chart is a change since last revision.

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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