

# PARTS LIST

MS417

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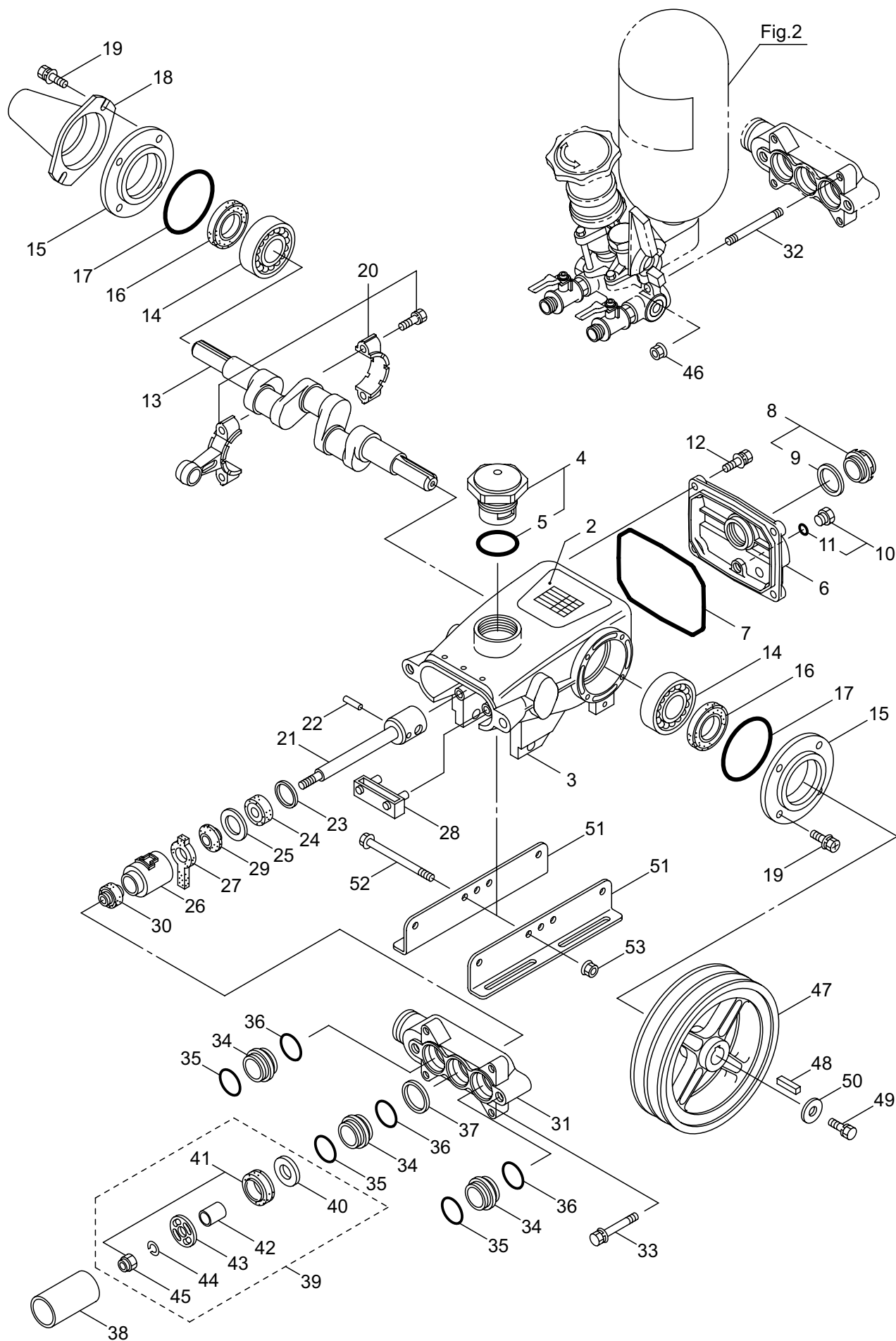


**MARUYAMA**

P/N 525335

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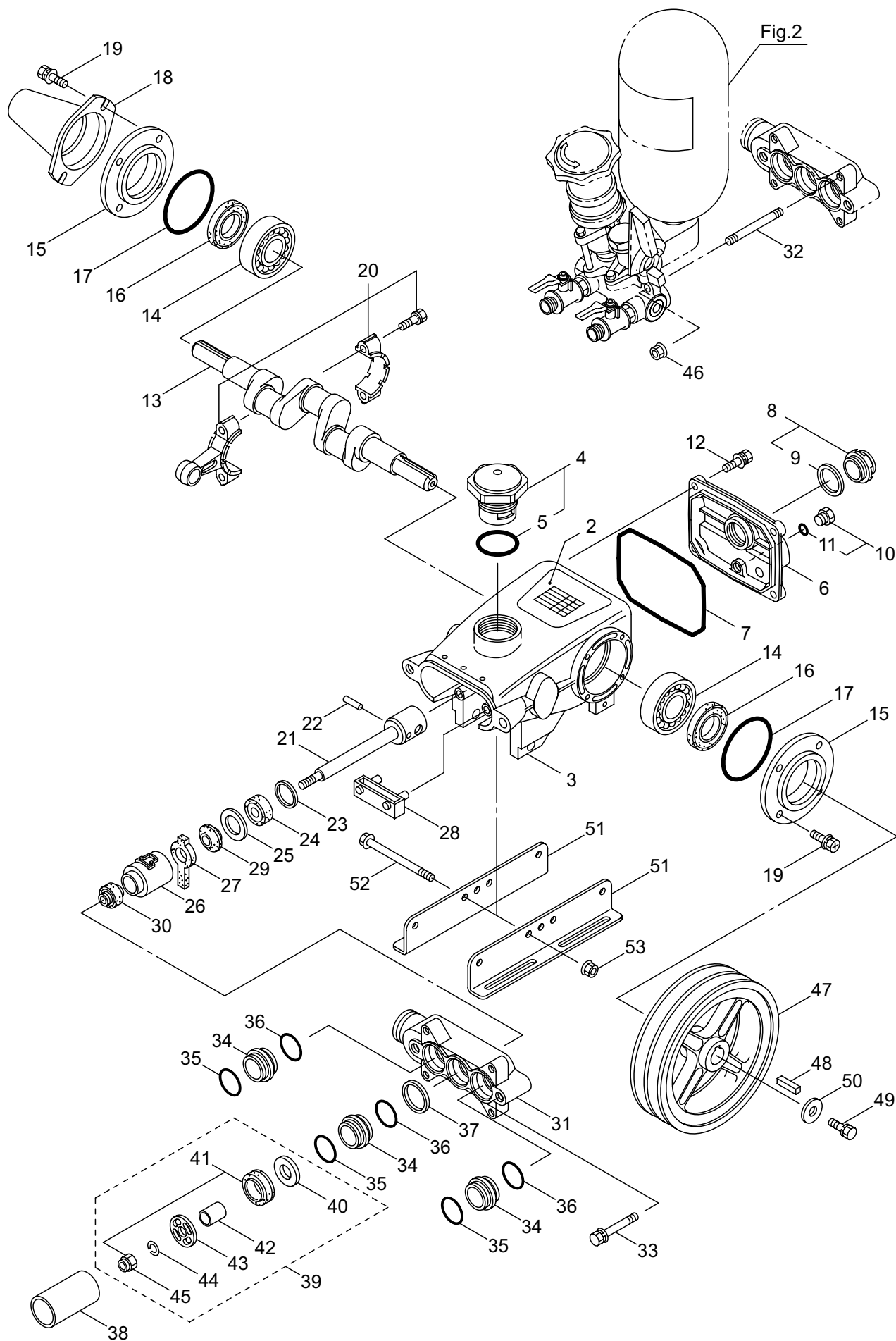
# 1. CRANKCASE, SUCTION VALVE



| Ref. No. | Part No. | Part Name            | Q'ty | Remarks                                                         |
|----------|----------|----------------------|------|-----------------------------------------------------------------|
| 1-1      | 354230   | MS417                | 1    | MS417<br><br>Incl.5<br>P35                                      |
| 1-2      | 664527   | Label                | 1    |                                                                 |
| 1-3      | 664426   | Ceankcase            | 1    |                                                                 |
| 1-4      | 091264   | Oil Filler Cap       | 1    |                                                                 |
| 1-5      | 014177   | O-Ring               | 1    |                                                                 |
| 1-6      | 664481   | Crankcase Cover      | 1    | 119x96x2.0<br><br>Incl.9<br>25x34xt2<br>Incl.11, G1/4           |
| 1-7      | 048773   | O-Ring               | 1    |                                                                 |
| 1-8      | 092241   | Oil Gauge Ass'y      | 1    |                                                                 |
| 1-9      | 044428   | Packing              | 1    |                                                                 |
| 1-10     | 091376   | Drain Plug           | 1    |                                                                 |
| 1-11     | 023170   | O-Ring               | 1    | P12.5<br>M6x16<br><br>#6304                                     |
| 1-12     | 125824   | Bolt                 | 4    |                                                                 |
| 1-13     | 103921   | Crankshaft           | 1    |                                                                 |
| 1-14     | 014487   | Bearing              | 2    |                                                                 |
| 1-15     | 664460   | Oil Seal Case        | 2    |                                                                 |
| 1-16     | 024159   | Oil Seal             | 2    | D204010<br>51.8x1.5<br><br>M6x16                                |
| 1-17     | 026536   | O-Ring               | 2    |                                                                 |
| 1-18     | 025130   | Shaft Protector      | 1    |                                                                 |
| 1-19     | 125824   | Bolt                 | 8    |                                                                 |
| 1-20     | 048734   | Connecting Rod Ass'y | 3    |                                                                 |
| 1-21     | 120827   | Piston Rod           | 3    | 9x22L<br>17x24xT1.2<br>S10.5247<br>20x28xT1.2                   |
| 1-22     | 016948   | Piston Pin           | 3    |                                                                 |
| 1-23     | 126259   | Washer               | 3    |                                                                 |
| 1-24     | 025461   | Oil Seal             | 3    |                                                                 |
| 1-25     | 126189   | Washer               | 3    |                                                                 |
| 1-26     | 027710   | Seal Retainer        | 3    |                                                                 |
| 1-27     | 130515   | Felt Packing         | 3    |                                                                 |
| 1-28     | 027712   | Oil Pan              | 1    |                                                                 |
| 1-29     | 026853   | Packing              | 3    |                                                                 |
| 1-30     | 100015   | Seal                 | 3    |                                                                 |
| 1-31     | 105507   | Inlet Manifold       | 1    | M8x110x11x18<br>M8X45<br><br>P21                                |
| 1-32     | 130492   | Stud                 | 4    |                                                                 |
| 1-33     | 128352   | Bolt                 | 2    |                                                                 |
| 1-34     | 130534   | Adapter              | 3    |                                                                 |
| 1-35     | 015862   | O-Ring               | 3    |                                                                 |
| 1-36     | 023172   | O-Ring               | 3    | P22<br>26x28.5xt0.5<br>25x28.5x55L<br>Incl.40-45<br>6.1x20xt2.8 |
| 1-37     | 105508   | Packing              | 1    |                                                                 |
| 1-38     | 108065   | Cylinder Pipe        | 3    |                                                                 |
| 1-39     | 632583   | Inlet Valve Ass'y    | 3    |                                                                 |
| 1-40     | 014122   | Inlet Valva Seat     | 3    |                                                                 |
| 1-41     | 632586   | Piston Packing Set   | 3    | Incl.45<br>6x8.5x11L<br><br>M6<br>M6                            |
| 1-42     | 027499   | Spacer               | 3    |                                                                 |
| 1-43     | 119917   | Retainer, Piston     | 3    |                                                                 |
| 1-44     | 015849   | Spring Washer        | 3    |                                                                 |
| 1-45     | 046365   | Nylon Nut            | 3    |                                                                 |

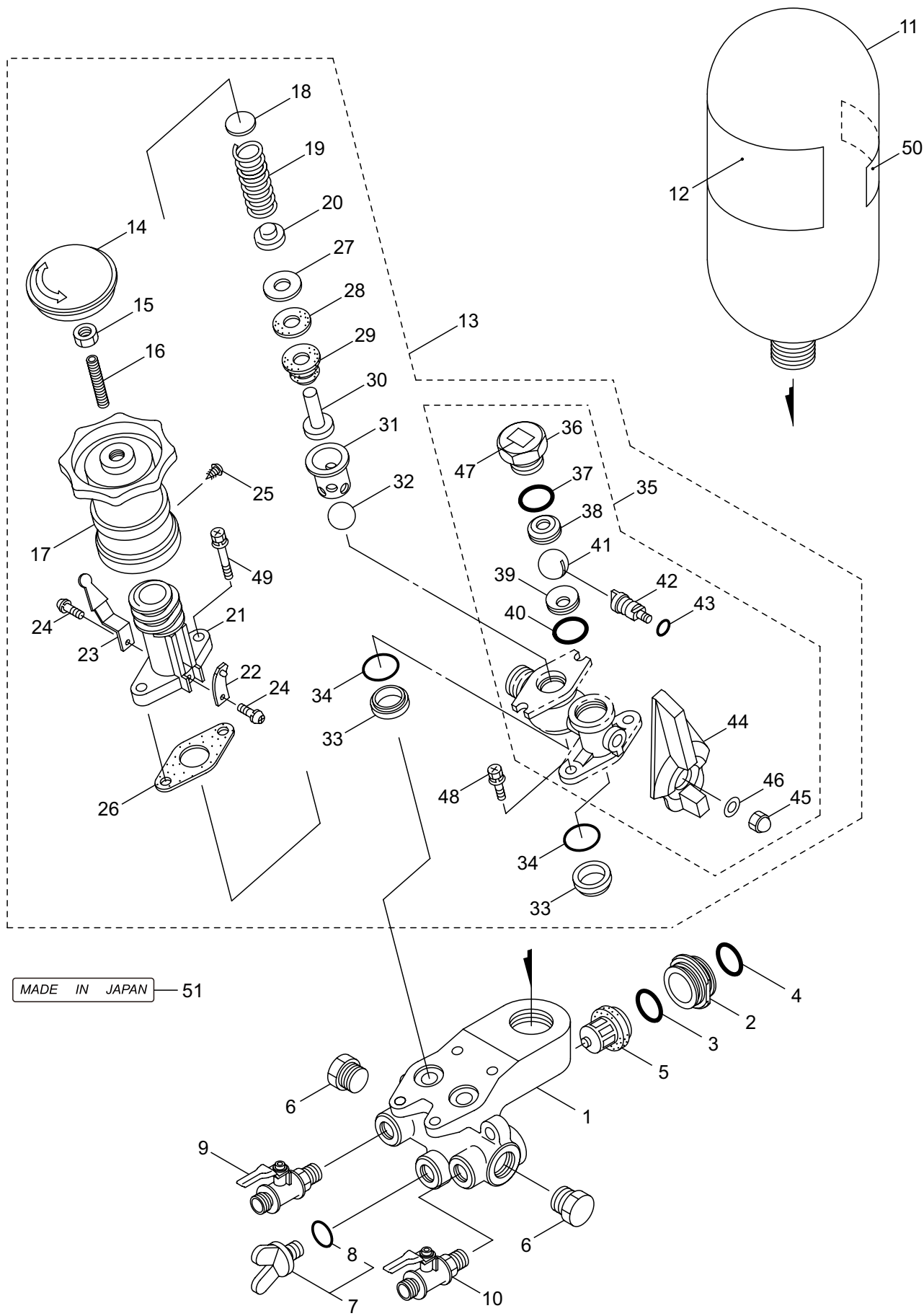
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# 1. CRANKCASE, SUCTION VALVE



| Ref. No. | Part No. | Part Name | Q'ty | Remarks         |
|----------|----------|-----------|------|-----------------|
| 1-46     | 126201   | Nut       | 4    | M8              |
| 1-47     | 100837   | V-Pulley  | 1    | 152-Ax2         |
| 1-48     | 014543   | Key       | 1    | 5x5x25L         |
| 1-49     | 126258   | Bolt      | 1    | M8x20           |
| 1-50     | 126198   | Washer    | 1    | 8.5x30xT3.2     |
| 1-51     | 117633   | Rail      | 2    | M8x115x30<br>M8 |
| 1-52     | 126200   | Bolt      | 2    |                 |
| 1-53     | 126201   | Nut       | 2    |                 |
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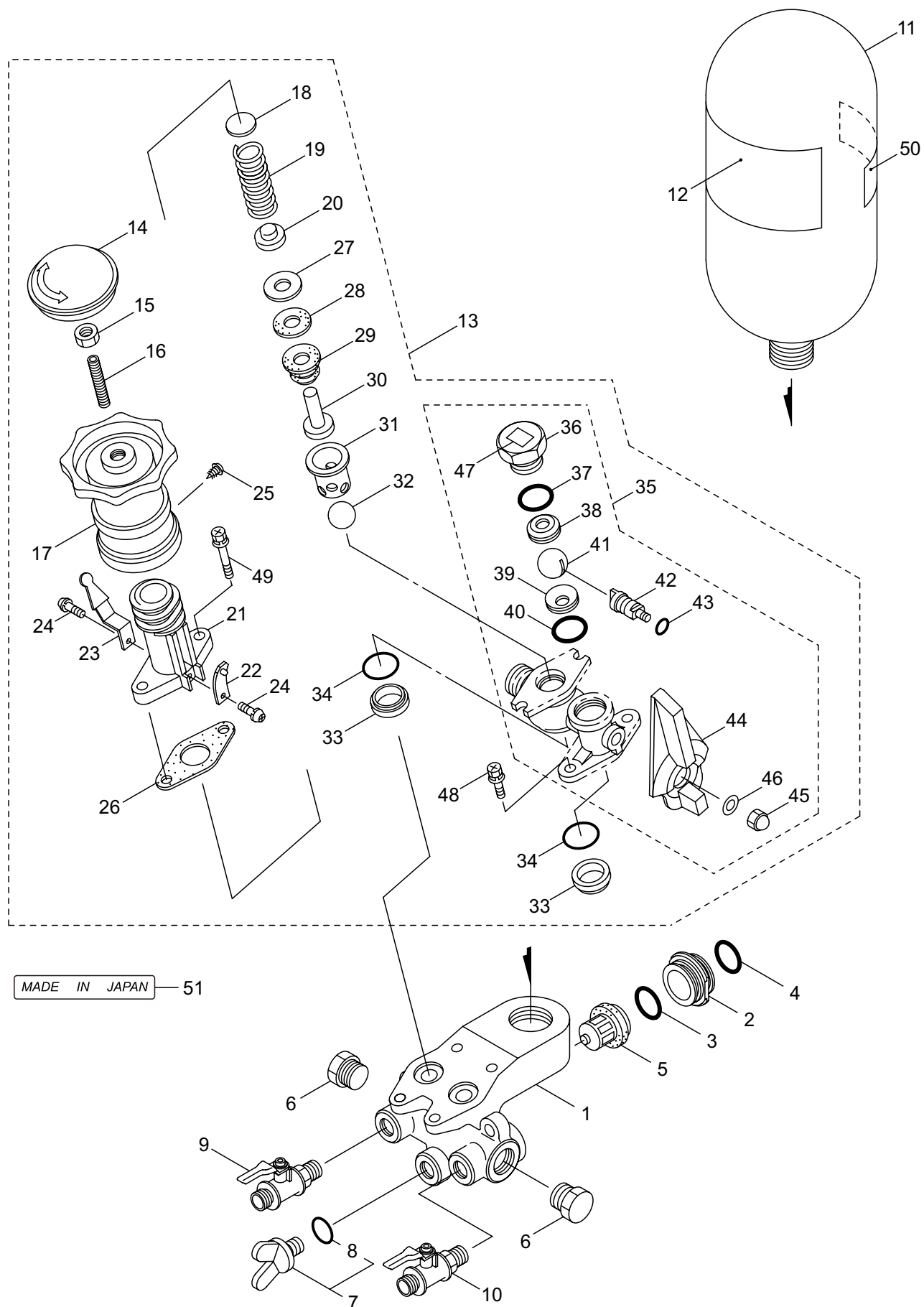
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2. PURESSURE REGULATOR VALVE



| Ref. No. | Part No. | Part Name                      | Q'ty | Remarks                                                         |
|----------|----------|--------------------------------|------|-----------------------------------------------------------------|
| 2-1      | 120831   | Discharge Manifold             | 1    | P22<br>P21                                                      |
| 2-2      | 130537   | Adapter                        | 3    |                                                                 |
| 2-3      | 023172   | O-Ring                         | 3    |                                                                 |
| 2-4      | 015862   | O-Ring                         | 3    |                                                                 |
| 2-5      | 120276   | Discharge Valve Ass'y          | 3    |                                                                 |
| 2-6      | 108368   | Plug                           | 2    | R1/2                                                            |
| 2-7      | 632737   | Plug Ass'y                     | 1    | Incl.8 G1/4                                                     |
| 2-8      | 023170   | O-Ring                         | 1    | P12.5                                                           |
| 2-9      | 120834   | Cock Ass'y                     | 1    | G1/4xR1/4                                                       |
| 2-10     | 120835   | Cock Ass'y                     | 1    | G3/8xR3/8                                                       |
| 2-11     | 130548   | Air Chamber                    | 1    | Caution<br>Incl.14-49<br>M10                                    |
| 2-12     | 664542   | Label                          | 1    |                                                                 |
| 2-13     | 664597   | Pressure Regulator Valve Ass'y | 1    |                                                                 |
| 2-14     | 130910   | Cap                            | 1    |                                                                 |
| 2-15     | 126195   | Nut                            | 1    |                                                                 |
| 2-16     | 088975   | Screw                          | 1    | M10x49                                                          |
| 2-17     | 663939   | Grip                           | 1    | 17x2.3                                                          |
| 2-18     | 126196   | Retainer                       | 1    |                                                                 |
| 2-19     | 105520   | Spring                         | 1    |                                                                 |
| 2-20     | 105521   | Retainer                       | 1    |                                                                 |
| 2-21     | 105522   | Case                           | 1    |                                                                 |
| 2-22     | 108474   | Plate Spring                   | 1    | M4x0.7x8<br>M4x13                                               |
| 2-23     | 105524   | Indicator                      | 1    |                                                                 |
| 2-24     | 816018   | Screw                          | 2    |                                                                 |
| 2-25     | 089899   | Tapping Screw                  | 1    |                                                                 |
| 2-26     | 105527   | Packing                        | 1    |                                                                 |
| 2-27     | 012255   | Washer                         | 1    | 6.2x22xt0.6                                                     |
| 2-28     | 016972   | Bellows Packing                | 1    | 5x22xt1.5                                                       |
| 2-29     | 011451   | Bellows                        | 1    | Stainless steel<br>12.7(1/2)<br>10x20xt6.5<br>P20<br>Incl.36-47 |
| 2-30     | 124188   | Valve Rod                      | 1    |                                                                 |
| 2-31     | 109026   | Retainer                       | 1    |                                                                 |
| 2-32     | 107238   | Valve Ball                     | 1    |                                                                 |
| 2-33     | 020971   | Valve Seat                     | 2    |                                                                 |
| 2-34     | 014179   | O-Ring                         | 2    | P20                                                             |
| 2-35     | 121014   | By-pass Valve Ass'y            | 1    | Incl.36-47                                                      |
| 2-36     | 121689   | Ball Retainer                  | 1    | S20<br>S14                                                      |
| 2-37     | 013971   | O-Ring                         | 1    |                                                                 |
| 2-38     | 121690   | Valve Seat                     | 1    |                                                                 |
| 2-39     | 121691   | Valve Seat                     | 1    |                                                                 |
| 2-40     | 013967   | O-Ring                         | 1    |                                                                 |
| 2-41     | 120840   | Ball Valve                     | 1    | S5<br>M5                                                        |
| 2-42     | 120841   | Ball Retainer                  | 1    |                                                                 |
| 2-43     | 013918   | O-Ring                         | 1    |                                                                 |
| 2-44     | 121007   | Handle                         | 1    |                                                                 |
| 2-45     | 100166   | Nut                            | 1    |                                                                 |

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## 2. PURESSURE REGULATOR VALVE

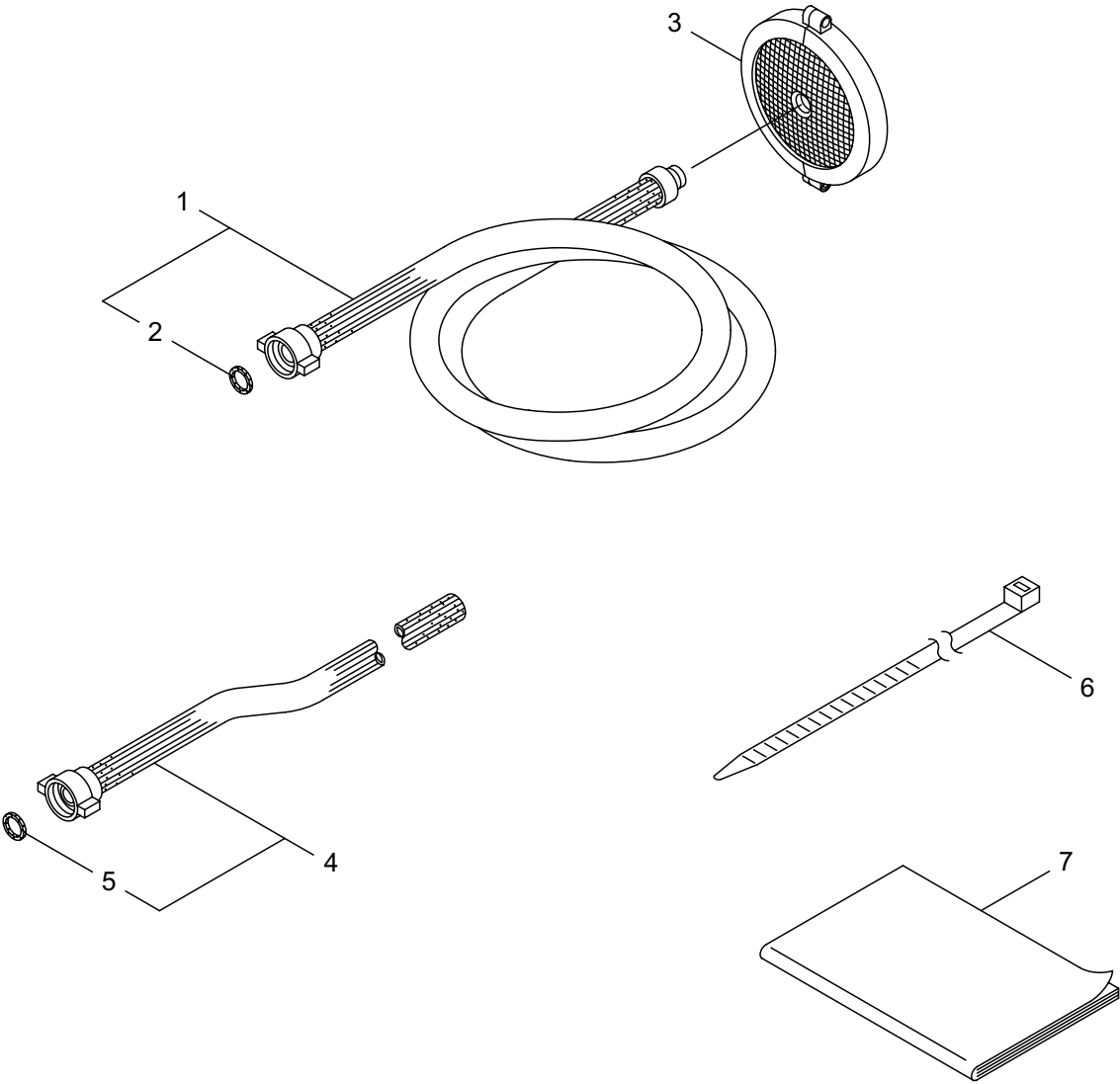




| Ref. No. | Part No. | Part Name | Q'ty | Remarks       |
|----------|----------|-----------|------|---------------|
| 2-46     | 012487   | Washer    | 1    | M5            |
| 2-47     | 108355   | Label     | 1    | Arrow mark    |
| 2-48     | 092542   | Bolt      | 2    | M6x20         |
| 2-49     | 120843   | Bolt      | 2    | M6x55x20      |
| 2-50     | 131158   | Label     | 1    | Caution       |
| 2-51     | 268950   | Label     | 1    | MADE IN JAPAN |
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3. ACCESSORIES



| Ref. No. | Part No. | Part Name              | Q'ty | Remarks            |
|----------|----------|------------------------|------|--------------------|
| 3-1      | 105936   | Suction Hose Ass'y     | 1    | Incl.2 19x1Bx3000L |
| 3-2      | 103686   | Packing                | 1    | 18.5x24xt2         |
| 3-3      | 122017   | Suction Strainer Ass'y | 1    |                    |
| 3-4      | 104344   | Spill Hose Ass'y       | 1    | Incl.5 13x19x3000L |
| 3-5      | 103685   | Packing                | 1    | 12x18.5xt1.5       |
| 3-6      | 107107   | Band                   | 1    |                    |
| 3-7      | 664653   | Instruction Manual     | 1    | MS317-757          |
|          |          |                        |      |                    |
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