

# Chapter 7 Related Documents

## 7.1 Development Views, Assembly Sectional Views

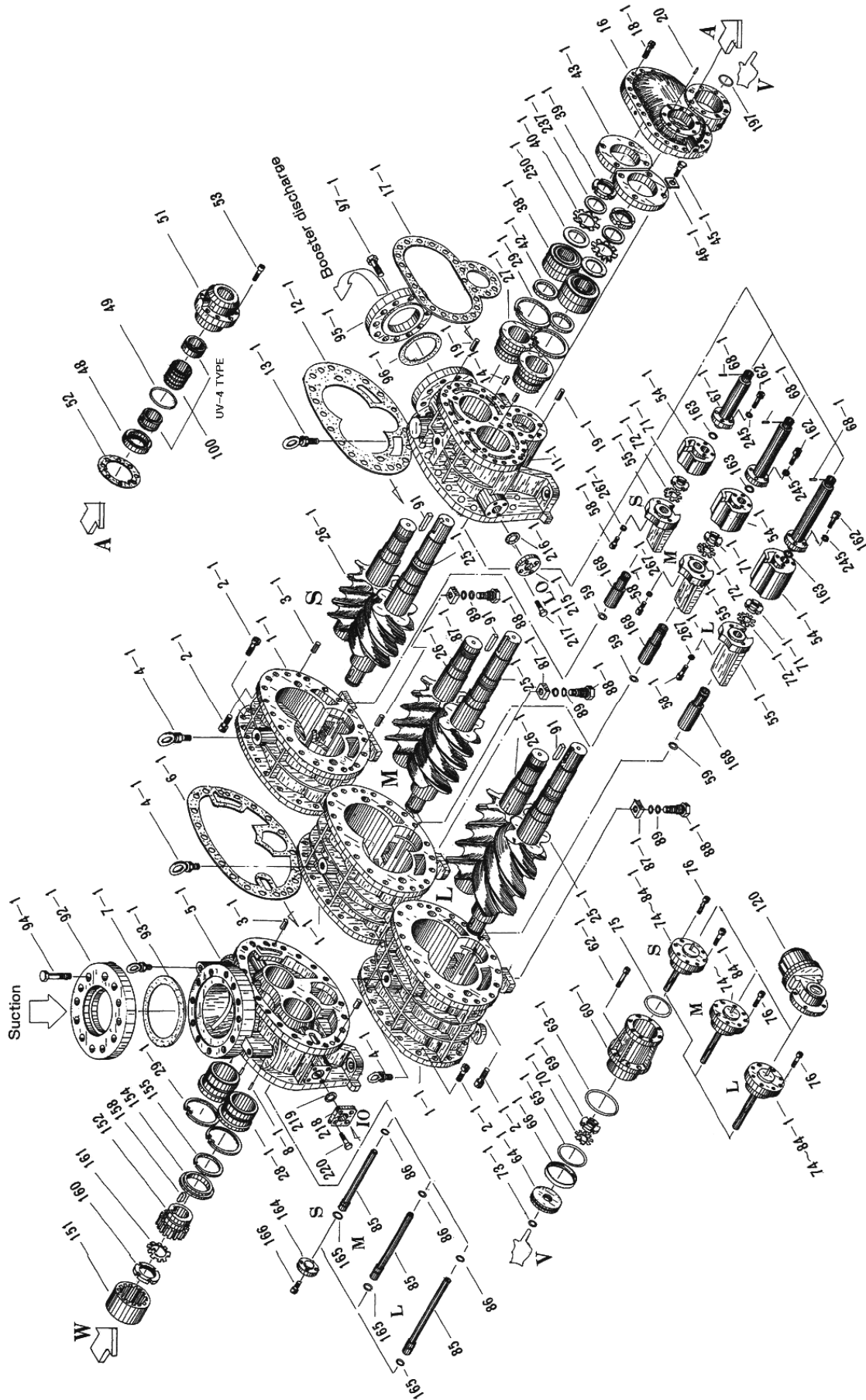


Figure 7-1 2520\*\*C Development View (Low-stage)

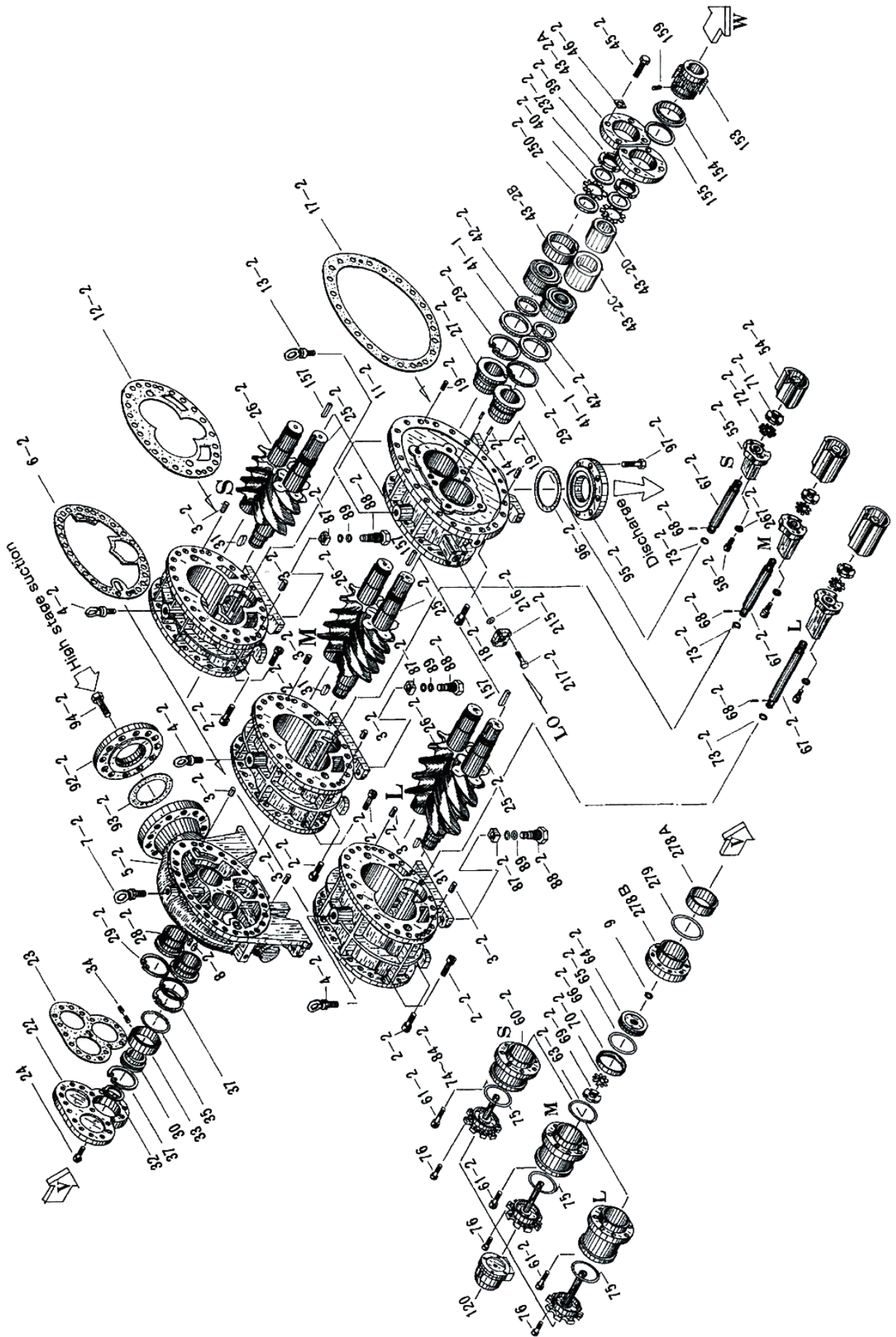


Figure 7-2 2520\*\*C Development View (High-stage)

## 7.2 Parts Configuration Table

Table 7-1 Parts Configuration Table

| P/N   | Part Name                     | Code No.        | Remarks        | Qty     |
|-------|-------------------------------|-----------------|----------------|---------|
| 1-1   | Main Rotor Casing (1)         | CS00100-250L    | 250L**         | 1 (L*C) |
| 1-1   | Main Rotor Casing (1)         | CS00100-250M    | 250M**         | 1 (M*C) |
| 1-1   | Main Rotor Casing (1)         | CS00100-250S    | 250S**         | 1 (S*C) |
| 1-2   | Main Rotor Casing (2)         | CS00100-200L    | 200L**         | 1 (*LC) |
| 1-2   | Main Rotor Casing (2)         | CS00100-200M    | 200M**         | 1 (*MC) |
| 1-2   | Main Rotor Casing (2)         | CS00100-200S    | 200S**         | 1 (*SC) |
| 2-1   | Hexagon Socket Head Cap Screw | NB35420-060     | M20×60         | 44      |
| 2-2   | Hexagon Socket Head Cap Screw | NB35416-050     | M16×50         | 50      |
| 3-1   | Alignment Pin                 | NE2016-070      | Φ16×70         | 4       |
| 3-2   | Alignment Pin                 | NE2016-055      | Φ16×55         | 4       |
| 4-1   | Eye Bolt                      | NB600-30        | M30            | 1       |
| 4-2   | Eye Bolt                      | NB600-24        | M24            | 1       |
| 5-1   | Suction Cover (1)             | CS00500-2520C1  | 2520**C        | 1       |
| 5-2   | Suction Cover (2)             | CS00500-2520C2  | 2520**C        | 1       |
| 6-1   | Gasket, Suction Cover (1)     | CS00600-250N    | 250***         | 1       |
| 6-2   | Gasket, Suction Cover (2)     | CS00600-200N    | 200***         | 1       |
| 7-1   | Eye Bolt                      | NB600-12        | M12            | 2       |
| 7-2   | Eye Bolt                      | NB600-12        | M12            | 1       |
| 8-1   | Spring Pin (1)                | NE3206-012      | Φ6×12          | 2       |
| 8-2   | Spring Pin (2)                | NE3206-012      | Φ6×12          | 2       |
| 9     | O-ring                        | PA11-040        | JIS B 2401 P40 | 1       |
| 10-1A | Plug                          | NF06-15         | R1/2           | 3       |
| 10-1B | Plug                          | NF06-10         | R3/8           | 2       |
| 10-2  | Plug                          | NF06-008        | R1/4           | 1       |
| 11-1  | Bearing Head (1)              | CS01100-2520C1  | 2520**C        | 1       |
| 11-2  | Bearing Head (2)              | CS01100-2520C2  | 2520**C        | 1       |
| 12-1  | Gasket, Bearing Head (1)      | CS01200-250N    | 250***         | 1       |
| 12-2  | Gasket, Bearing Head (2)      | CS01200-200N    | 200***         | 1       |
| 13-1  | Eye Bolt                      | NB600-36        | M36            | 1       |
| 13-2  | Eye Bolt                      | NB600-36        | M36            | 1       |
| 14-1  | Spring Pin                    | NE3206-012      | Φ6×12          | 2       |
| 14-2  | Spring Pin                    | NE3206-012      | Φ6×12          | 2       |
| 15-1  | Plug                          | NF06-020        | R3/4           | 1       |
| 16    | Bearing Cover                 | CS01600-2520C   | 2520**C        | 1       |
| 17-1  | Gasket, Bearing Cover (1)     | CS01700-2520C1N | 2520**C        | 1       |
| 17-2  | Gasket, Bearing Cover (2)     | CS01700-2520C2N | 2520**C        | 1       |
| 18-1  | Hexagon Socket Head Cap Screw | NB35416-050     | M16×50         | 20      |
| 18-2  | Hexagon Socket Head Cap Screw | NB35420-060     | M20×60         | 33      |
| 19-1  | Alignment Pin                 | NE2010-050      | Φ10×50         | 2       |
| 19-2  | Alignment Pin                 | NE2016-070      | Φ16×70         | 2       |
| 20    | Spring Pin                    | NE3203-010      | Φ3×10          | 1       |
| 21    | Plug                          | NF06-004        | R1/8           | 1       |
| 22    | Balance Piston Cover          | CS02200-2520C   | 2520**C        | 1       |
| 23    | Gasket, Balance Piston Cover  | CS02300-2520CN  | 2520**C        | 1       |
| 24    | Hexagon Socket Head Cap Screw | NB35416-050     | M16×50         | 18      |
| 25-1  | Male Rotor (1)                | -               | 2520L*C        | 1 (L*C) |
| 26-1  | Female Rotor (1)              |                 |                |         |
| 25-1  | Male Rotor (1)                | -               | 2520M*C        | 1 (M*C) |
| 26-1  | Female Rotor (1)              |                 |                |         |

| P/N   | Part Name                             | Code No.         | Remarks            | Qty     |
|-------|---------------------------------------|------------------|--------------------|---------|
| 25-1  | Male Rotor (1)                        | -                | 2520S*C            | 1 (S*C) |
| 26-1  | Female Rotor (1)                      |                  |                    |         |
| 25-2  | Male Rotor (2)                        | -                | 2520*LC            | 1 (*LC) |
| 26-2  | Female Rotor (2)                      |                  |                    |         |
| 25-2  | Male Rotor (2)                        | -                | 2520*MC            | 1 (*MC) |
| 26-2  | Female Rotor (2)                      |                  |                    |         |
| 25-2  | Male Rotor (2)                        | -                | 2520*SC            | 1 (*SC) |
| 26-2  | Female Rotor (2)                      |                  |                    |         |
| 27-1  | Main Bearing (1)                      | CS0270-FRT       | 250*** with O-ring | 2       |
| 27-2  | Main Bearing (2)                      | CS0270-ERT       | 200*** with O-ring | 2       |
| 28-1  | Side Bearing (1)                      | CS0280-FRT       | 250*** with O-ring | 2       |
| 28-2  | Side Bearing (2)                      | CS0280-ERT       | 200*** with O-ring | 2       |
| 29-1  | Snap Snap Ring (1) C type internal    | NG11-160         | H160               | 4       |
| 29-2  | Snap Ring (2) C type internal         | NG11-130         | H130               | 4       |
| 30    | Balance Piston                        | CS03000-2520C    | 2520**C            | 1       |
| 31    | Key, Balance Piston                   | CS03100-200      | 200***             | 1       |
| 32    | Snap Ring C type external             | NG12-065         | S65                | 1       |
| 33    | Sleeve, Balance Piston                | CS03300-2520C    | 2520**C            | 1       |
| 34    | Set Screw                             | NA83608-015      | M8×15              | 2       |
| 35    | O-ring                                | PA11-140         | JIS B 2401 P140    | 1       |
| 37    | Snap Ring C type internal             | NG11-150         | H150               | 1       |
| 38-1  | Thrust Bearing (1)                    | CS03800-250P     | 7317B PPS          | 2       |
| 38-2  | Thrust Bearing (2)                    | CS03800-200P     | 7313B PPS          | 2       |
| 39-1  | Lock Nut (1)                          | NG31-017         | AN17               | 2       |
| 39-2  | Lock Nut (2)                          | NG31-013         | AN13               | 2       |
| 40-1  | Lock Washer (1)                       | NG32-017         | AW17               | 2       |
| 40-2  | Lock Washer (2)                       | NG32-013         | AW13               | 2       |
| 41-2  | Spacer, Thrust Bearing Outer Race (2) | CS04100-200      | 200***             | 2       |
| 42-1  | Spacer, Thrust Bearing Alignment (1)  | CS04200-B250     | 250***             | 2       |
| 42-2  | Spacer, Thrust Bearing Alignment (2)  | CS04200-200      | 200***             | 2       |
| 43-1  | Thrust Bearing Gland (1)              | CS04300-250S     | 250***             | 2       |
| 43-2A | Thrust Bearing Gland (2) A            | CS04300-200S     | 200***             | 2       |
| 43-2B | Thrust Bearing Gland (2) B            | CS04300-2520C2B  | 2520**C            | 1       |
| 43-2C | Thrust Bearing Gland (2) C            | CS04300-2520C2C  | 2520**C            | 1       |
| 43-2D | Thrust Bearing Gland (2) D            | CS04300-2520C2D  | 2520**C            | 1       |
| 45-1  | Hexagon Head Bolt                     | NB111016-045     | M16×45             | 8       |
| 45-2  | Hexagon Head Bolt                     | NB111012-035     | M12×35             | 8       |
| 46-1  | Conical Spring Washer (1)             | ND150-016        | 250***             | 8       |
| 46-1  | Lock Washer (1) Set (old, plate type) | CS0469-F         | 250*** 8ps/set     | -       |
| 46-2  | Conical Spring Washer (2)             | ND150-012        | 200***             | 8       |
| 46-2  | Lock Washer (2) Set (old, plate type) | CS0469-E         | 200*** 8ps/set     | -       |
| 48    | Retainer, Oil Seal                    | CS04800-250VDS   | 250V**             | 1       |
| 49    | O-ring                                | PA12-135         | JIS B 2401 G135    | 1       |
| 50    | Oil Seal                              | CS05010-250VD    | SA1J 75×100×13     | 1       |
| 51    | Seal Cover                            | CS05102-250      | 250***             | 1       |
| 52    | Gasket, Seal Cover                    | CS05200-250N     | 250***             | 1       |
| 53    | Hexagon Socket Head Cap Screw         | NB35412-030      | M12×30             | 8       |
| 54-1  | Unloader Slide Valve (1-1) (L Port)   | CS05400-2520**** | 2520LSC            | 1 (L*C) |
| 54-1  | Unloader Slide Valve (1-1) (M Port)   | -                | 2520LSC            | 1 (L*C) |
| 54-1  | Unloader Slide Valve (1-1) (L Port)   | -                | 2520MSC            | 1 (M*S) |
| 54-1  | Unloader Slide Valve (1-1) (M Port)   | -                | 2520MSC            | 1 (M*C) |
| 54-1  | Unloader Slide Valve (1-1) (L Port)   | -                | 2520SSC            | 1 (S*C) |

| P/N  | Part Name                           | Code No.        | Remarks         | Qty            |
|------|-------------------------------------|-----------------|-----------------|----------------|
| 54-1 | Unloader Slide Valve (1-1) (M Port) | -               | 2520SSC         | 1 (S*C)        |
| 54-2 | Unloader Slide Valve (1-2) (L Port) | -               | 2520LSC         | 1 (*SC)        |
| 54-2 | Unloader Slide Valve (1-2) (M Port) | -               | 2520LSC         | 1 (*SC)        |
| 54-2 | Unloader Slide Valve (1-2) (L Port) | -               | 2520LMC         | 1 (*MC)        |
| 54-2 | Unloader Slide Valve (1-2) (M Port) | -               | 2520LMC         | 1 (*MC)        |
| 54-2 | Unloader Slide Valve (1-2) (L Port) | -               | 2520SLC         | 1 (*LC)        |
| 54-2 | Unloader Slide Valve (1-2) (M Port) | -               | 2520SLC         | 1 (*LC)        |
| 55-1 | Unloader Slide Valve (2-1)          | -               | 250L**          | 1 (L*C)        |
| 55-1 | Unloader Slide Valve (2-1)          | -               | 250M**          | 1 (M*C)        |
| 55-1 | Unloader Slide Valve (2-1)          | -               | 250S**          | 1 (S*C)        |
| 55-2 | Unloader Slide Valve (2-2)          | -               | 200L**          | 1 (*LC)        |
| 55-2 | Unloader Slide Valve (2-2)          | -               | 200M**          | 1 (*MC)        |
| 55-2 | Unloader Slide Valve (2-2)          | -               | 200S**          | 1 (*SC)        |
| 58-1 | Hexagon Socket Head Cap Screw       | NB35412-040     | M12×40          | 4              |
| 58-2 | Hexagon Socket Head Cap Screw       | NB35410-030     | M10×30          | 4              |
| 59   | O-ring                              | PA11-026        | JIS B 2401 P26  | 1              |
| 60-1 | Unloader Cylinder (1)               | CS06000-2520C1  | 2520LSC         | 1              |
| 60-2 | Unloader Cylinder (2)               | CS06000-2520C2  | 2520LSC         | 1<br>(*MC/*SC) |
| 60-2 | Unloader Cylinder (2)               | CS06000-2520SLC | 2520SLC         | 1 (*LC)        |
| 61-1 | Hexagon Socket Head Cap Screw       | NB35416-140     | M16×140         | 9              |
| 61-2 | Hexagon Socket Head Cap Screw       | NB35412-090     | M12×90          | 9              |
| 63-1 | O-ring                              | PA12-150        | JIS B 2401 G150 | 1              |
| 63-2 | O-ring                              | PA12-150        | JIS B 2401 G150 | 1              |
| 64-1 | Unloader Piston (1)                 | CS06400-2520T   | 2520**C         | 1              |
| 64-2 | Unloader Piston (2)                 | CS06400-200T    | 200***          | 1              |
| 65-1 | O-ring                              | PA11-125        | JIS B 2401 P125 | 1              |
| 65-2 | O-ring                              | PA11-125        | JIS B 2401 P125 | 1              |
| 66-1 | Cap Seal                            | CS06600-200     | 200*** BE125    | 1              |
| 66-2 | Cap Seal                            | CS06600-200     | 200*** BE125    | 1              |
| 67-1 | Push Rod, Unloader Slide Valve (1)  | CS06700-2520C1  | 2520LSC         | 1              |
| 67-2 | Push Rod, Unloader Slide Valve (2)  | CS06700-2520C2  | 2520LSC         | 1 (*SC)        |
| 67-2 | Push Rod, Unloader Slide Valve (2)  | CS06700-2520SLC | 2520LMC         | 1 (*MC)        |
| 67-2 | Push Rod, Unloader Slide Valve (2)  | CS06700-2520C2  | 2520SLC         | 1 (*LC)        |
| 68-1 | Guide Pin                           | NE2505-012      | Φ5×12           | 1              |
| 68-2 | Guide Pin                           | NE2505-012      | Φ5×12           | 1              |
| 69-1 | Lock Nut (1)                        | NG31-008        | AN08            | 1              |
| 69-2 | Lock Nut (2)                        | NG31-007        | AN07            | 1              |
| 70-1 | Lock Washer (1)                     | NG32-008        | AW08            | 1              |
| 70-2 | Lock Washer (2)                     | NG32-007        | AW07            | 1              |
| 71-1 | Lock Nut (1)                        | NG31-008        | AN08            | 1              |
| 71-2 | Lock Nut (2)                        | NG31-007        | AN07            | 1              |
| 72-1 | Lock Washer (1)                     | NG32-008        | AW08            | 1              |
| 72-2 | Lock Washer (2)                     | NG32-007        | AW07            | 1              |
| 73-1 | O-ring                              | PA12-035        | JIS B 2401 G35  | 1              |
| 73-2 | O-ring                              | PA12-030        | JIS B 2401 G30  | 1              |
| 74-1 | Unloader Cover (1)                  | CS07460-200     | 200***          | 1              |
| 74-2 | Unloader Cover (2)                  | CS07400-200S    | 200***          | 1              |
| 75   | O-ring                              | PA12-135        | JIS B 2401 G135 | 2              |
| 76   | Hexagon Socket Head Cap Screw       | NB35410-025     | M10×25          | 16             |
| 77-1 | Indicator Cam (1)                   | CS07700-2520C   | 2520LSC         | 1 (L*C)        |
| 77-1 | Indicator Cam (1)                   | CS07700-200S    | 2520MSC         | 1 (M*C)        |

| P/N   | Part Name                         | Code No.            | Remarks           | Qty     |
|-------|-----------------------------------|---------------------|-------------------|---------|
| 77-1  | Indicator Cam (1)                 | CS07700-2520SSC     | 2520SSC           | 1 (S*C) |
| 77-2  | Indicator Cam (2)                 | CS07700-200L        | 200L**            | 1 (*LC) |
| 77-2  | Indicator Cam (2)                 | CS07700-200M        | 200M**            | 1 (*MC) |
| 77-2  | Indicator Cam (2)                 | CS07700-200S        | 200S**            | 1 (*SC) |
| 78    | Ball Bearing                      | CS07800-200         | #6000             | 2       |
| 79    | Snap Ring C type external         | NG12-010            | S10               | 2       |
| 80    | Bearing Gland                     | CS08000-200         | 200***            | 2       |
| 81    | Hexagon Socket Head Cap Screw     | NB35406-015         | M6×15             | 6       |
| 82    | V-ring                            | CS08200-200B        | VH10 NBR          | 2       |
| 83    | Spring                            | CS08300-200         | 200***            | 2       |
| 84    | Retainer, Indicator Cam Spring    | CS08400-200         | 200***            | 2       |
| 85    | Oil Injection Pipe                | CS08500-250LUK      | 250L**            | 1 (L*C) |
| 85    | Oil Injection Pipe                | CS08500-2520US<br>C | 2520MSC           | 1 (M*C) |
| 85    | Oil Injection Pipe                | CS08500-2520SSK     | 2520SSC           | 1 (S*C) |
| 86    | O-ring                            | PA12-025            | JIS B 2401 G25    | 1       |
| 87-1  | Guide Block (1)                   | CS08700-250         | 250***            | 1       |
| 88-1  | Stem, Guide Block (1)             |                     |                   | 1       |
| 87-2  | Guide Block (2)                   | CS08700-200         | 200***            | 1       |
| 88-2  | Stem, Guide Block (2)             |                     |                   | 1       |
| 89    | O-ring                            | PA11-020            | JIS B 2401 P20    | 4       |
| 91    | Shaft Key                         | CS09100-250         | 250***            | 1       |
| 92-1  | Suction Flange (1) with hole      | CS71300-250MK       | JIS 20K 250A(10") | -       |
| 92-1  | Suction Flange (1) without hole   | CS71300-P250        | JIS 20K 250A(10") | 1       |
| 92-2  | Suction Flange (2) with hole      | CS71300-150MK       | JIS 20K 150A(6")  | -       |
| 92-2  | Suction Flange (2) without hole   | CS71300-P150        | JIS 20K 150A(6")  | 1       |
| 93-1  | Gasket, Suction Flange (1)        | CS71200-250N        | JIS 20K 250A(10") | 1       |
| 93-2  | Gasket, Suction Flange (2)        | CS71200-150N        | JIS 20K 150A(6")  | 1       |
| 94-1  | Hexagon Head Bolt                 | NB12024-065         | M24×65            | 12      |
| 94-2  | Hexagon Head Bolt                 | NB12022-055         | M22×55            | 12      |
| 95-1  | Discharge Flange (1) with hole    | CS71300-150MK       | JIS 20K 150A(6")  | -       |
| 95-1  | Discharge Flange (1) without hole | CS71300-P150        | JIS 20K 150A(6")  | 1       |
| 95-2  | Discharge Flange (2) with hole    | CS71300-100MK       | JIS 20K 100A(4")  | -       |
| 95-2  | Discharge Flange (2) without hole | CS71300-P100        | JIS 20K 100A(4")  | 1       |
| 96-1  | Gasket,<br>Discharge Flange (1)   | CS71200-150N        | JIS 20K 150A(6")  | 1       |
| 96-2  | Gasket, Discharge Flange (2)      | CS71200-100N        | JIS 20K 100A(4")  | 1       |
| 97-1  | Hexagon Head Bolt                 | NB12022-055         | M22×55            | 12      |
| 97-2  | Hexagon Head Bolt                 | NB12020-055         | M20×55            | 8       |
| 100   | Mechanical Seal Assembly (BOS-E1) | CS10000-250BE       | 250V** BOS        | -       |
| 100   | Mechanical Seal Assembly (BBSE)   | CS10002-250EBS      | BBS-E             | 1       |
| 100   | Mechanical Seal Assembly (BBS3)   | CS10001-250BBS      | BBS3              | -       |
| 120-1 | Unloader Indicator Assembly (1)   | CS12000-200F        | 200***            | 1       |
| 120-2 | Unloader Indicator Assembly (2)   | CS12000-2016        | 2016C(2) 20-100 % | 1       |
| 125   | Micro-Switch                      | CS12500-200         | 200*** Z15GW      | 4       |
| 127-1 | Micro-Switch Cam (1)              | CS12700-200F        | 200*** 0-100 %    | 1       |
| 127-2 | Micro-Switch Cam (2)              | CS12700-201620      | 2016C(2) 20-100 % | 1       |
| 128   | Set Screw, Bevel Gear             | NA83604-005         | M4×5              | 2       |
| 129   | Potentiometer 200-1k              | CS1299-E10          | with lead wire    | 2       |
| 137-1 | Indicator Dial (1)                | CS13700-200         | 200***            | 1       |
| 137-2 | Indicator Dial (2)                | CS13700-2016        | 2016C(2) 20-100 % | 1       |
| -     | Gear Coupling Assembly (new)      | CS1519-L            | 151+152+153+159   | 1       |

| P/N   | Part Name  | Code No.                                  | Remarks                                | Qty |
|-------|--|---|--|-----|
| 151   | Driven Sleeve                                      | CS1519-L<br>(same as old and<br>new type) |  | 1   |
| 152   | Drive Hub  |   |  | 1   |
| 153   | Driven Hub   |   |  | 1   |
| 154   | Stopper, Drive Sleeve                              | CS15400-2520C                             | Old part of coupling                   | (2) |
| 155   | Stop Ring  | -   | Old part of coupling                   | (2) |
| 157   | Key, Driven Hub                                    | CS15700-2520CH                            | FRS-110                                | 1   |
| 158   | Key, Drive Hub                                     | CS15800-2520CH                            | FRS-110                                | 1   |
| 159   | Set Screw  | NA83612-020                               | M12×20 knurled,<br>with anti-loosening | 1   |
| 160   | Lock Nut   | NG31-013                                  | AN13                                   | 1   |
| 161   | Lock Washer  | NG32-013                                  | AW13                                   | 1   |
| 162   | Hexagon Socket Head Cap Screw                      | NB35412-045                               | M12×45                                 | 5   |
| 163   | O-ring   | PA12-035                                  | JIS B 2401 G35                         | 1   |
| 164   | Retainer, Oil Injection Pipe                       | CS16400-2520C                             | 2520LSC                                | 1   |
| 165   | O-ring   | PA12-030                                  | JIS B 2401 G30                         | 1   |
| 166   | Hexagon Socket Head Cap Screw                      | NB35408-030                               | M8×30                                  | 4   |
| 168   | Pipe Guide, Oil Injection                          | CS16800-2520C                             | 2520LSC                                | 1   |
| 197   | O-ring   | PA11-050                                  | JIS B 2401 P50                         | 1   |
| 200   | Fixture Ass'y, Unloader Indicator (1)              | CS20000-2520C                             | 2520LSC(1)                             | 1   |
| 200A  | Fixture, Unloader Indicator (A)                    | CS20000-2520CA                            | 2520LSC                                | 1   |
| 200B  | Fixture, Unloader Indicator (B)                    | CS20000-2520CB                            | 2520LSC                                | 1   |
| 201   | Bevel Gear (1)                                     | CS20100-1612C9                            | 1612LSC (Φ9)                           | 1   |
| 202   | Bevel Gear (2)                                     | CS20100-1612C6                            | 1612LSC( Φ6)                           | 1   |
| 206   | Glass Gland, Unloader Indicator                    | CS20600-1612                              | 1612LSC                                | 1   |
| 208   | Shaft, Unloader Indicator                          | CS12200-2520                              | 2520LSC                                | 1   |
| 208A  | Snap Ring, Unloader Indicator Shaft                | NG12-010                                  | S10 C type external                    | 2   |
| 208B  | Bearing, Unloader Indicator Shaft                  | CS16460-200                               | #6000LL                                | 2   |
| 210   | Cross-recessed and Pan Head Screw                  | NB35405-015                               | M5×15                                  | 4   |
| 212A  | Hexagon Socket Head Cap Screw                      | NB35405-030                               | M8×30                                  | 2   |
| 212B  | Hexagon Socket Head Cap Screw                      | NB35408-095                               | M8×95                                  | 2   |
| 212C  | Hexagon Socket Head Cap Screw                      | NB35408-020                               | M8×20                                  | 4   |
| 212D  | Spring Washer                                      | ND320-008                                 | For M8                                 | 8   |
| 215-1 | Flange, Lubricating Oil Supply (1)<br>without hole | CS71300-025                               | JIS 20K 25A(1")                        | 1   |
| 215-2 | Flange, Lubricating Oil Supply (2)<br>without hole | CS71300-020                               | JIS 20K 20A(3/4")                      | 1   |
| 216-1 | Gasket, Lubricating Oil Supply Flange<br>(1)       | CS71200-025N                              | JIS 20K 25A(1")                        | 1   |
| 216-2 | Gasket, Lubricating Oil Supply Flange<br>(2)       | CS71200-020N                              | JIS 20K 20A(3/4")                      | 1   |
| 217-1 | Hexagon Head Bolt                                  | NB12016-045                               | M16×45                                 | 4   |
| 217-2 | Hexagon Head Bolt                                  | NB12012-035                               | M12×35                                 | 4   |
| 218   | Flange, Injection Oil Supply without<br>hole       | CS71300-015                               | JIS 20K 15A(1/2")                      | 1   |
| 219   | Gasket, Injection Oil Supply Flange                | CS71200-015N                              | JIS 20K 15A(1/2")                      | 1   |
| 220   | Hexagon Head Bolt                                  | NB111012-035                              | M12×35                                 | 4   |
| 237-1 | Torsional Slip Washer (1)                          | CS23700-250                               | 250***                                 | 2   |
| 237-2 | Torsional Slip Washer (2)                          | CS23700-200                               | 200***                                 | 2   |
| 245   | Spring Washer                                      | ND330-12                                  | M12                                    | 5   |
| 250-1 | Thrust Bearing Washer (1)                          | CS25000-250                               | 250***                                 | 2   |
| 250-2 | Thrust Bearing Washer (2)                          | CS25000-200                               | 200***                                 | 1   |
| 267-1 | Spring Washer, Hexagon Socket Head<br>Cap Screw    | ND330-12                                  | M12                                    | 4   |
| 267-2 | Spring Washer, Hexagon Socket Head<br>Cap Screw    | ND330-10                                  | M10                                    | 4   |
| 278A  | Cylinder Guide, Unloader (A)                       | CS27800-2520CA                            | 2520LSC                                | 1   |

| P/N   | Part Name                    | Code No.        | Remarks          | Qty            |
|-------|------------------------------|-----------------|------------------|----------------|
| 278B  | Cylinder Guide, Unloader (B) | CS27800-2520LMS | 2520*MC, 2520*LC | 1<br>(*LC/*MC) |
| 278B  | Cylinder Guide, Unloader (B) | CS27800-2520S   | 2520*SC          | 1 (*SC))       |
| 279   | O-ring                       | PA12-130        | JIS B 2401 G130  | 1              |
| 432-1 | O-ring                       | PA12-130        | JIS B 2401 G130  | 4              |
| 432-2 | O-ring (Old JIS W 1516 G22)  | PA62-022        | AS568A-244       | 4              |
| 433-1 | O-ring                       | PA12-130        | JISB2401 1A G130 | 4              |
| 433-2 | O-ring (Old JIS W 1516 G22)  | PA62-022        | AS568A-244       | 4              |
| 528   | Sleeve, Oil Seal             | CS52800-250VD   | 250V**           | 1              |
| 528   | Sleeve with O-ring, Oil Seal | CS52809-250VD   | 250V**           | 1              |
| 529   | Set Screw                    | NA83606-008     | M6×8             | 2              |
| 605-1 | Plug                         | NF06-020        | R3/4             | 1              |
| 605-2 | Plug                         | NF06-025        | R 1"             | 1              |
| 607   | Plug                         | NF06-008        | R1/4             | 2              |
| 744   | O-ring                       | PA12-070        | JIS B 2401 G70   | 1              |
|       |                              |                 |                  |                |

**【POINT】**

The sizes of O-ring No.432-2 and No.432-2 have been changed to G130 from G135 in October 2012 as a design change.

**CAUTION**

- **The Code No. of the O-ring is the one assigned to NBR which is standard material. When the material of the O-ring is other than NBR, a different Code No. is used for each material.  
If you are using O-rings made from other than the standard material, please contact Mayekawa when placing an order.**
- **The SLC and SMC models are excluded from the above tables. If you need any relevant information, please contact our sales offices or service centers.**