

# CATERPILLAR D9H

12U / SEBP1004

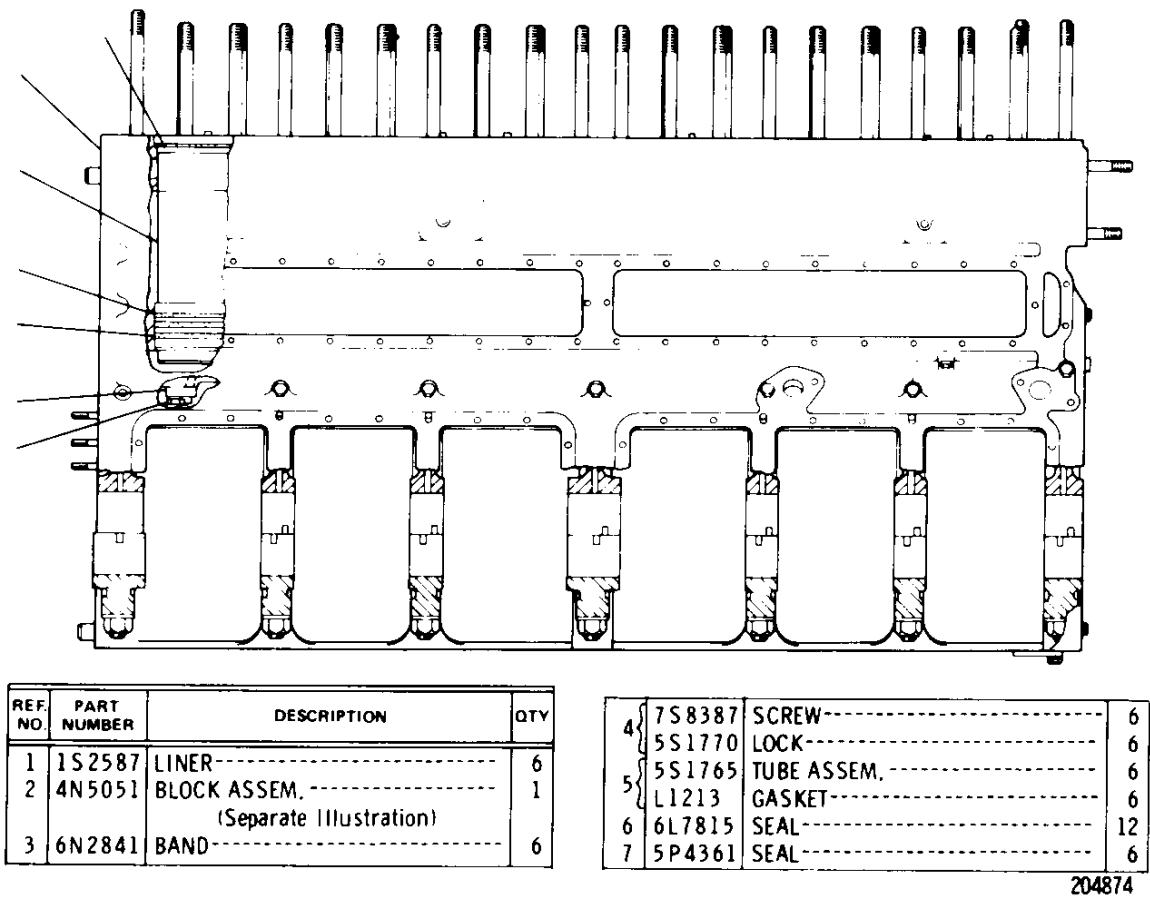
## Contents

| Section                                    | Page              |
|--------------------------------------------|-------------------|
| <a href="#">Electrical and electronics</a> | <a href="#">2</a> |
| <a href="#">Cooling system</a>             |                   |

4N-6627 CYLINDER BLOCK GROUP

4N6627 CYLINDER BLOCK GROUP Serial No. 97V3095, 97V3103 & 97V3284 to 97U7512 inclusive. 4N5051 Cylinder Block parts are shown on Page 18B. See Page 80 for Gasket Kits

Drawing 1 of 1



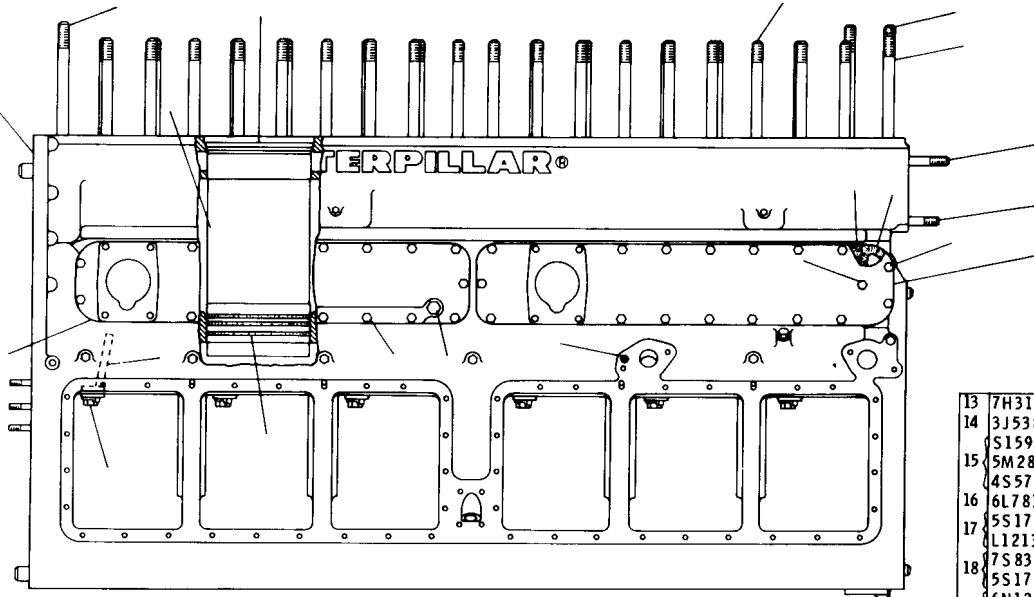
| Ref.                    | Part number | Description  | Qty | Code | Group page |
|-------------------------|-------------|--------------|-----|------|------------|
| 1                       | 1S-2587     | LINER        | 6   |      |            |
| 2                       | 4N-5051     | BLOCK ASSEM. | 1   | Y    |            |
| (Separate Illustration) |             |              |     |      |            |
| 3                       | 6N-2841     | BAND         | 6   |      |            |
| 4                       | 7S-8387     | SCREW        | 6   |      |            |
|                         | 5S-1770     | LOCK         | 6   |      |            |
| 5                       | 5S-1765     | TUBE ASSEM.  | 6   |      |            |
| 5                       | 0L-1213     | GASKET       | 6   |      |            |
| 6                       | 6L-7815     | SEAL         | 12  |      |            |
| 7                       | 5P-4361     | SEAL         | 6   |      |            |

CAT codes: Y.

7N-1978 CYLINDER BLOCK GROUP

7N1978 CYLINDER BLOCK GROUP Serial No. 97U7513-Up 7N2053 Cylinder Block parts are shown on Page 19 See Page 80 for Gasket Kits

Drawing 1 of 1



| REF. NO. | PART NUMBER | DESCRIPTION | QTY |
|----------|-------------|-------------|-----|
| 1        | 5P7597      | STUD-----   | 4   |
| 2        | 1S2587      | LINER-----  | 6   |
| 3        | 6N2841      | BAND-----   | 6   |
| 4        | 3H9806      | STUD-----   | 35  |
| 5        | 4H7331      | STUD-----   | 1   |

|    |        |             |   |
|----|--------|-------------|---|
| 6  | 5F9498 | STUD-----   | 1 |
| 7  | 6H207  | STUD-----   | 2 |
| 8  | 3H2319 | GASKET----- | 1 |
| 9  | 3H2301 | GASKET----- | 1 |
| 10 | 3B1915 | BOLT-----   | 1 |
| 11 | L1351  | BOLT-----   | 1 |
| 12 | 2M8361 | COVER-----  | 1 |

|    |        |                                                       |    |
|----|--------|-------------------------------------------------------|----|
| 13 | 7H3171 | PLUG-----                                             | 1  |
| 14 | 3J5389 | PLUG-----                                             | 1  |
| 15 | 0S1590 | BOLT-----                                             | 3  |
| 15 | 5M2894 | WASHER-----                                           | 3  |
| 16 | 4S5719 | SPACER-----                                           | 3  |
| 16 | 6L7815 | SEAL-----                                             | 18 |
| 17 | 5S1765 | TUBE ASSEM.-----                                      | 6  |
| 17 | L1213  | GASKET-----                                           | 6  |
| 18 | 7S8387 | SCREW-----                                            | 6  |
| 18 | 5S1770 | LOCK-----                                             | 6  |
| 19 | 6N1238 | COVER-----                                            | 1  |
| 19 | 5H1032 | GASKET-----                                           | 1  |
| 20 | 7N2053 | CYLINDER BLOCK ASSEM.-----<br>(Separate Illustration) | 1  |

165722

| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 1    | 5P-7597     | STUD        | 4   |      |            |
| 2    | 1S-2587     | LINER       | 6   |      |            |
| 3    | 6N-2841     | BAND        | 6   |      |            |
| 4    | 3H-9806     | STUD        | 35  |      |            |
| 5    | 4H-7331     | STUD        | 1   |      |            |
| 6    | 5F-9498     | STUD        | 1   |      |            |
| 7    | 6H-0207     | STUD        | 2   |      |            |
| 8    | 3H-2319     | GASKET      | 1   |      |            |
| 9    | 3H-2301     | GASKET      | 1   |      |            |
| 10   | 3B-1915     | BOLT        | 1   |      |            |
| 11   | 0L-1351     | BOLT        | 1   |      |            |
| 12   | 2M-8361     | COVER       | 1   |      |            |
| 13   | 7H-3171     | PLUG        | 1   |      |            |
| 14   | 3J-5389     | PLUG        | 1   |      |            |
| 15   | 0S-1590     | BOLT        | 3   |      |            |
|      | 5M-2894     | WASHER      | 3   |      |            |

7N-1978 CYLINDER BLOCK GROUP (continued)

| Ref.                    | Part number | Description           | Qty | Code | Group page |
|-------------------------|-------------|-----------------------|-----|------|------------|
|                         | 4S-5719     | SPACER                | 3   |      |            |
| 16                      | 6L-7815     | SEAL                  | 18  |      |            |
| 17                      | 5S-1765     | TUBE ASSEM.           | 6   |      |            |
|                         | 0L-1213     | GASKET                | 6   |      |            |
| 18                      | 7S-8387     | SCREW                 | 6   |      |            |
|                         | 5S-1770     | LOCK                  | 6   |      |            |
| 19                      | 6N-1238     | COVER                 | 1   |      |            |
|                         | 5H-1032     | GASKET                | 1   |      |            |
| 20                      | 7N-2053     | CYLINDER BLOCK ASSEM. | 1   | Y    |            |
| (Separate Illustration) |             |                       |     |      |            |

CAT codes: Y.

4N-5051 CYLINDER BLOCK ASSEMBLY

4N5051 CYLINDER BLOCK ASSEMBLY Serial No. 97U3095, 97U3103 & 97U3284 to 97U7512 inclusive Part of 4N6627  
Cylinder Block Group shown on Page 18

Drawing 1 of 1

| REF. NO. | PART NUMBER | DESCRIPTION                            | QTY |
|----------|-------------|----------------------------------------|-----|
| C 1      | 9F2247      | PLUG-----                              | 2   |
| 2        | 7M4249      | STUD-----                              | 2   |
| C 3      | 5M6214      | PLUG-----                              | 3   |
| 4        | 2H2330      | BEARING-----                           | 6   |
| 5        | 5H2213      | TUBE-----                              | 1   |
| 6        | 3H9806      | STUD-----                              | 35  |
| 7        | 1T68        | PIN----- (spring-slotted)-----         | 4   |
|          | 3H7935      | DOWEL-----                             | 2   |
| 8        | 1A2223      | DOWEL-----                             | 4   |
| 9        | 4H7331      | STUD-----                              | 3   |
| 10       | 5F9498      | STUD-----                              | 1   |
| 11       | L2288       | PLUG-----                              | 1   |
| 12       | 6H207       | STUD-----                              | 2   |
| 13       | 5H2212      | TUBE-----                              | 1   |
| 14       | 1H974       | DOWEL-----                             | 1   |
| 15       | 3B342       | PLUG-----                              | 1   |
| 16       | 1P4298      | CAP----- (front)-----                  | 1   |
| 17       | 3H3130      | DOWEL-----                             | 2   |
| 18       | S1621       | BOLT-----                              | 2   |
|          | 2B1738      | LOCK-----                              | 2   |
| 19       | 5H1029      | TUBE ASSEM.-----                       | 1   |
| 20       | 7H3171      | PLUG-----                              | 1   |
| 21       | 1P668       | STUD-----                              | 14  |
|          | 1A1935      | NUT-----                               | 14  |
| 22       | 1P4322      | CAP----- (center & rear)-----          | 2   |
| 23       | T398        | STUD-----                              | 4   |
| 24       | 2H2329      | BEARING-----                           | 3   |
| 25       | 1P4337      | CAP-----                               | 4   |
| 26       | 4B8945      | DOWEL-----                             | 2   |
| 27       | 5B5812      | DOWEL-----                             | 1   |
| 28       | 7B2335      | STUD-----                              | 3   |
| 29       | 5M6213      | PLUG-----                              | 7   |
| C 30     | 5H2214      | TUBE-----                              | 1   |
| 31       | 2H7878      | BUSHING-----                           | 1   |
|          | GMG00633    | FORM-----<br>(Installing Bearing Caps) | 1   |

C INDICATES CHANGE166232

| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 9F-2247     | PLUG                 | 2   | C    |            |
| 2    | 7M-4249     | STUD                 | 2   |      |            |
| 3    | 5M-6214     | PLUG                 | 3   | C    |            |
| 4    | 2H-2330     | BEARING              | 6   |      |            |
| 5    | 5H-2213     | TUBE                 | 1   |      |            |
| 6    | 3H-9806     | STUD                 | 35  |      |            |
| 7    | 1T-0068     | PIN (spring slotted) | 4   |      |            |
|      | 3H-7935     | DOWEL                | 2   |      |            |
| 8    | 1A-2223     | DOWEL                | 4   |      |            |
| 9    | 4H-7331     | STUD                 | 3   |      |            |
| 10   | 5F-9498     | STUD                 | 1   |      |            |
| 11   | 0L-2288     | PLUG                 | 1   |      |            |
| 12   | 6H-0207     | STUD                 | 2   |      |            |
| 13   | 5H-2212     | TUBE                 | 1   |      |            |
| 14   | 1H-0974     | DOWEL                | 1   |      |            |
| 15   | 3B-0342     | PLUG                 | 1   |      |            |

4N-5051 CYLINDER BLOCK ASSEMBLY (continued)

| Ref. | Part number | Description         | Qty | Code | Group page |
|------|-------------|---------------------|-----|------|------------|
| 16   | 1P-4298     | CAP (front)         | 1   |      |            |
| 17   | 3H-3130     | DOWEL               | 2   |      |            |
| 18   | 0S-1621     | BOLT                | 2   |      |            |
|      | 2B-1738     | LOCK                | 2   |      |            |
| 19   | 5H-1029     | TUBE ASSEM.         | 1   |      |            |
| 20   | 7H-3171     | PLUG                | 1   |      |            |
| 21   | 1P-0668     | STUD                | 14  |      |            |
|      | 1A-1935     | NUT                 | 14  |      |            |
| 22   | 1P-4322     | CAP (center & rear) | 2   |      |            |
| 23   | 0T-0398     | STUD                | 4   |      |            |
| 24   | 2H-2329     | BEARING             | 3   |      |            |
| 25   | 1P-4337     | CAP                 | 4   |      |            |
| 26   | 4B-8945     | DOWEL               | 2   |      |            |
| 27   | 5B-5812     | DOWEL               | 1   |      |            |
| 28   | 7B-2335     | STUD                | 3   |      |            |
| 29   | 5M-6213     | PLUG                | 7   |      |            |
| 30   | 5H-2214     | TUBE                | 1   | C    |            |
| 31   | 2H-7878     | BUSHING             | 1   |      |            |

CAT codes: C.

7N-2053 CYLINDER BLOCK ASSEMBLY

7N2053 CYLINDER BLOCK ASSEMBLY Serial No. 97U7513-Up Part of 7N1978 Cylinder Block Group shown on Page 18A

Drawing 1 of 1

| REF. NO. | PART NUMBER | DESCRIPTION                            | QTY |
|----------|-------------|----------------------------------------|-----|
| C 1      | 9F2247      | PLUG-----                              | 1   |
| 2        | 2H7878      | BUSHING-----                           | 1   |
| C 3      | 5M6214      | PLUG-----                              | 4   |
| 4        | 2H2330      | BEARING-----                           | 6   |
| 5        | 5H2213      | TUBE-----                              | 1   |
| 6        | 3H9806      | STUD-----                              | 35  |
| 7        | 1T68        | PIN----- (spring-slotted)-----         | 4   |
| 8        | 3H7935      | DOWEL-----                             | 2   |
| 9        | 1A2223      | DOWEL-----                             | 4   |
| 10       | 5H2214      | TUBE-----                              | 1   |
| 11       | 5M6213      | PLUG-----                              | 7   |
| 12       | L2288       | PLUG-----                              | 1   |
| 13       | 3J5390      | PLUG-----                              | 1   |
| 14       | 5H2212      | TUBE-----                              | 1   |
| 15       | 1H974       | DOWEL-----                             | 2   |
| 16       | 3B342       | PLUG-----                              | 1   |
| 17       | 1P4298      | CAP----- (front)-----                  | 1   |
| 18       | 3H3130      | DOWEL-----                             | 2   |
| 19       | S1621       | BOLT-----                              | 2   |
| 20       | 2B1738      | LOCK-----                              | 2   |
| 21       | 5H1029      | TUBE ASSEM.-----                       | 1   |
| 22       | 8F6575      | PLUG-----                              | 1   |
| 23       | 1P668       | STUD-----                              | 14  |
| 24       | 1A1935      | NUT-----                               | 14  |
| 25       | 1P4322      | CAP----- (center & rear)-----          | 2   |
| 26       | T398        | STUD-----                              | 4   |
| 27       | 2H2329      | BEARING-----                           | 3   |
| 28       | 1P4337      | CAP-----                               | 4   |
|          | 4B8945      | DOWEL-----                             | 2   |
|          | 5B5812      | DOWEL-----                             | 1   |
|          | 7B2335      | STUD-----                              | 3   |
|          | GMG00633    | FORM-----<br>(Installing Bearing Caps) | 1   |

C INDICATES CHANGE165723

| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 9F-2247     | PLUG                 | 1   | C    |            |
| 2    | 2H-7878     | BUSHING              | 1   |      |            |
| 3    | 5M-6214     | PLUG                 | 4   | C    |            |
| 4    | 2H-2330     | BEARING              | 6   |      |            |
| 5    | 5H-2213     | TUBE                 | 1   |      |            |
| 6    | 3H-9806     | STUD                 | 35  |      |            |
| 7    | 1T-0068     | PIN (spring-slotted) | 4   |      |            |
|      | 3H-7935     | DOWEL                | 2   |      |            |
| 8    | 1A-2223     | DOWEL                | 4   |      |            |
| 9    | 5H-2214     | TUBE                 | 1   |      |            |
| 10   | 5M-6213     | PLUG                 | 7   |      |            |
| 11   | 0L-2288     | OLUG                 | 1   |      |            |
| 12   | 3J-5390     | PLUG                 | 1   |      |            |
| 13   | 5H-2212     | TUBE                 | 1   |      |            |
| 14   | 1H-0974     | DOWEL                | 2   |      |            |
| 15   | 3B-0342     | PLUG                 | 1   |      |            |

7N-2053 CYLINDER BLOCK ASSEMBLY (continued)

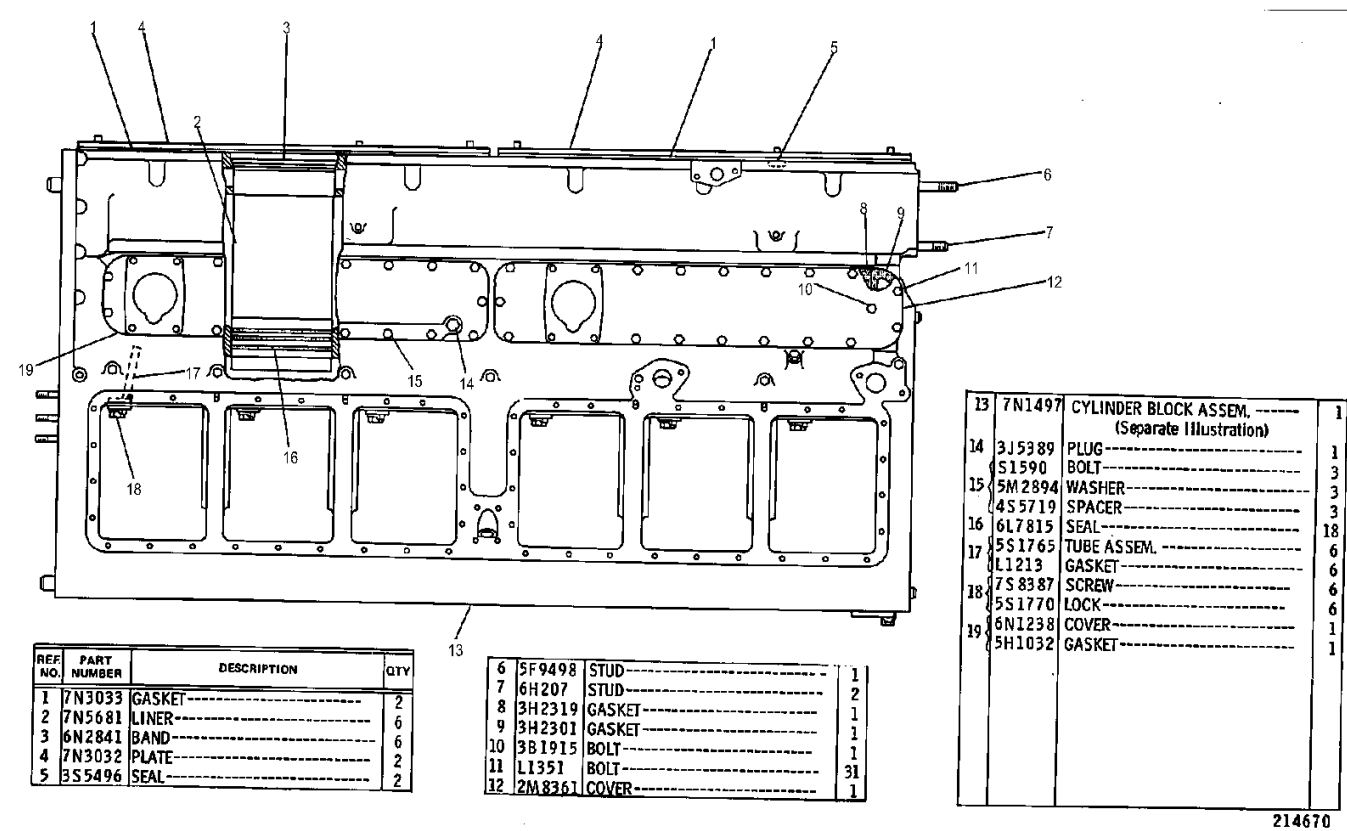
| Ref. | Part number | Description         | Qty | Code | Group page |
|------|-------------|---------------------|-----|------|------------|
| 16   | 1P-4298     | CAP (front)         | 1   |      |            |
| 17   | 3H-3130     | DOWEL               | 2   |      |            |
| 18   | 0S-1621     | BOLT                | 2   |      |            |
|      | 2B-1738     | LOCK                | 2   |      |            |
| 19   | 5H-1029     | TUBE ASSEM.         | 1   |      |            |
| 20   | 8F-6575     | PLUG                | 1   |      |            |
| 21   | 1P-0668     | STUD                | 14  |      |            |
|      | 1A-1935     | NUT                 | 14  |      |            |
| 22   | 1P-4322     | CAP (center & rear) | 2   |      |            |
| 23   | 0T-0398     | STUD                | 4   |      |            |
| 24   | 2H-2329     | BEARING             | 3   |      |            |
| 25   | 1P-4337     | CAP                 | 4   |      |            |
| 26   | 4B-8945     | DOWEL               | 2   |      |            |
| 27   | 5B-5812     | DOWEL               | 1   |      |            |
| 28   | 7B-2335     | STUD                | 3   |      |            |

CAT codes: C.

7N-3044 CYLINDER BLOCK GP

7N3044 CYLINDER BLOCK GROUP 7N1497 Block parts are shown on Page 19C

Drawing 1 of 1



| Ref. | Part number | Description           | Qty | Code | Group page |
|------|-------------|-----------------------|-----|------|------------|
| 1    | 7N-3033     | GASKET                | 2   |      |            |
| 2    | 7N-5681     | LINER                 | 6   |      |            |
| 3    | 6N-2841     | BAND                  | 6   |      |            |
| 4    | 7N-3032     | PLATE                 | 2   |      |            |
| 5    | 3S-5496     | SEAL                  | 2   |      |            |
| 6    | 5F-9498     | STUD                  | 1   |      |            |
| 7    | 6H-0207     | STUD                  | 2   |      |            |
| 8    | 3H-2319     | GASKET                | 1   |      |            |
| 9    | 3H-2301     | GASKET                | 1   |      |            |
| 10   | 3B-1915     | BOLT                  | 1   |      |            |
| 11   | 0L-1351     | BOLT                  | 31  |      |            |
| 12   | 2M-8361     | COVER                 | 1   |      |            |
| 13   | 7N-1497     | CYLINDER BLOCK ASSEM. | 1   | Y    |            |
| 14   | 3J-5389     | PLUG                  | 1   |      |            |
| 15   | 0S-1590     | BOLT                  | 3   |      |            |

7N-3044 CYLINDER BLOCK GP (continued)

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
|                                                                           | 5M-2894     | WASHER      | 3   |      |            |
|                                                                           | 4S-5719     | SPACER      | 3   |      |            |
| 16                                                                        | 6L-7815     | SEAL        | 18  |      |            |
| 17                                                                        | 5S-1765     | TUBE ASSEM. | 6   |      |            |
|                                                                           | 0L-1213     | GASKET      | 6   |      |            |
| 18                                                                        | 7S-8387     | SCREW       | 6   |      |            |
|                                                                           | 5S-1770     | LOCK        | 6   |      |            |
| 19                                                                        | 6N-1238     | COVER       | 1   |      |            |
|                                                                           | 5H-1032     | GASKET      | 1   |      |            |
| CAT source note: Separate Illustration CAT source note; shown as provided |             |             |     |      |            |

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

12U-SEBP1004

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**