

# CATERPILLAR D7R

5KZ / SEBP2828

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| Basic engine                 |      |
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| Hydraulic system             |      |
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7N-1342 COVER GP-CYLINDER BLOCK

7N1342 COVER GP-CYLINDER BLOCK

Drawing 1 of 1

CYLINDER BLOCK

| NOTE | REF NO | PART NUMBER | QTY | PART NAME        |
|------|--------|-------------|-----|------------------|
| B    | 1      | 0L1351      | 2   | BOLT             |
| B    | 2      | 5M2894      | 2   | WASHER           |
| B    | 3      | 8L8662      | 1   | COVER            |
| B    | 4      | 5S8055      | 1   | GASKET           |
|      | 5      | 4B3938      | 1   | PLUG-CUP         |
|      | 6      | 2A3798      | 2   | DOWEL            |
| B    | 7      | 8M3267      | 1   | SCREW-HEX SOCKET |
| BC   | 8      | 5M6214      | 1   | PLUG-PIPE        |

B-USE AS REQUIRED  
C-CHANGE FROM PREVIOUS TYPE

B- 312973

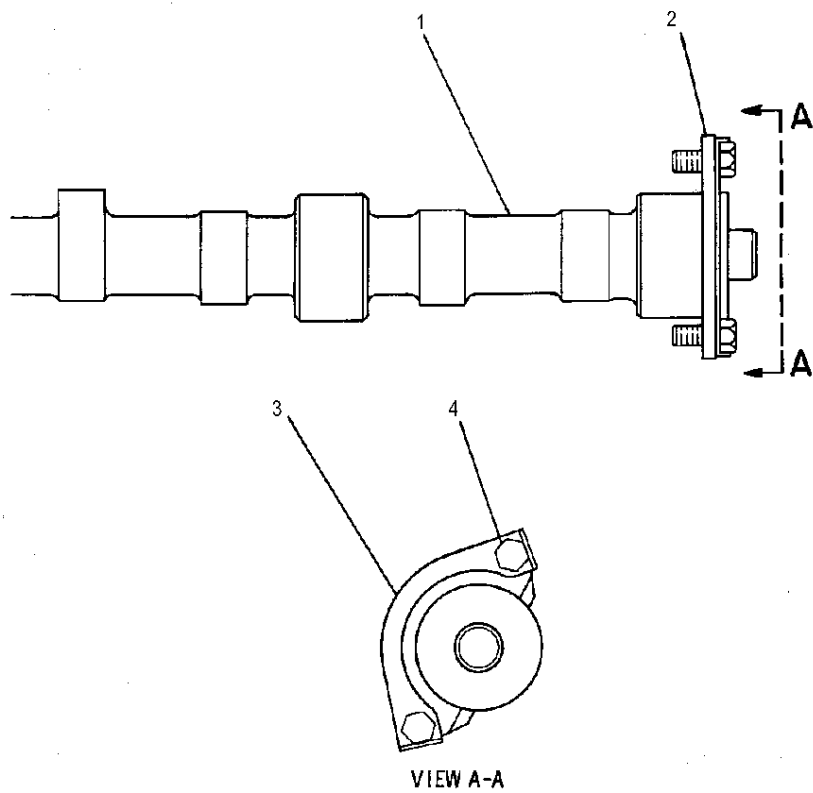
| Ref. | Part number | Description      | Qty | Code | Group page |
|------|-------------|------------------|-----|------|------------|
| 1    | 0L-1351     | BOLT             | 2   | B    |            |
| 2    | 5M-2894     | WASHER           | 2   | B    |            |
| 3    | 8L-8662     | COVER            | 1   | B    |            |
| 4    | 5S-8055     | GASKET           | 1   | B    |            |
| 5    | 4B-3938     | PLUG-CUP         | 1   |      |            |
| 6    | 2A-3798     | DOWEL            | 2   |      |            |
| 7    | 8M-3267     | SCREW-HEX SOCKET | 1   | B    |            |
| 8    | 5M-6214     | PLUG-PIPE        | 1   | BC   |            |

CAT codes: B, C.

1N-4406 CAMSHAFT GP

1N4406 CAMSHAFT GP

Drawing 1 of 1



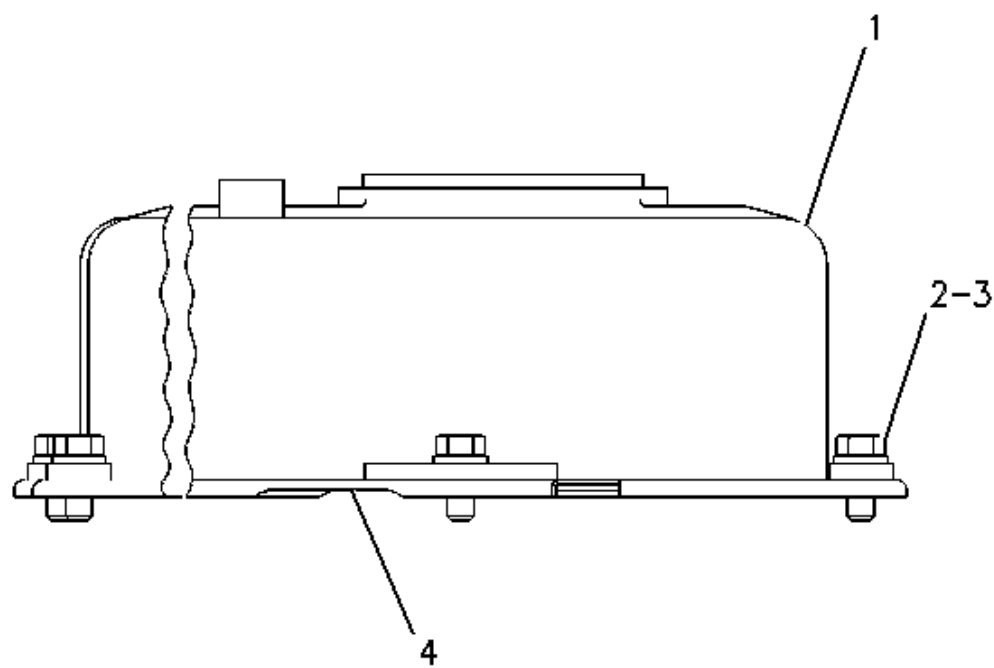
| Ref. | Part number | Description   | Qty | Code | Group page |
|------|-------------|---------------|-----|------|------------|
| 1    | 4P-2942     | CAMSHAFT AS   | 1   | R    |            |
| 2    | 7S-2204     | WASHER-THRUST | 1   |      |            |
| 3    | 8S-1491     | LOCK          | 1   |      |            |
| 4    | 0S-0509     | BOLT          | 2   |      |            |

CAT codes: R.

8N-4745 COVER GP-VALVE MECHANISM

8N4745 COVER GP-VALVE MECHANISM

Drawing 1 of 1



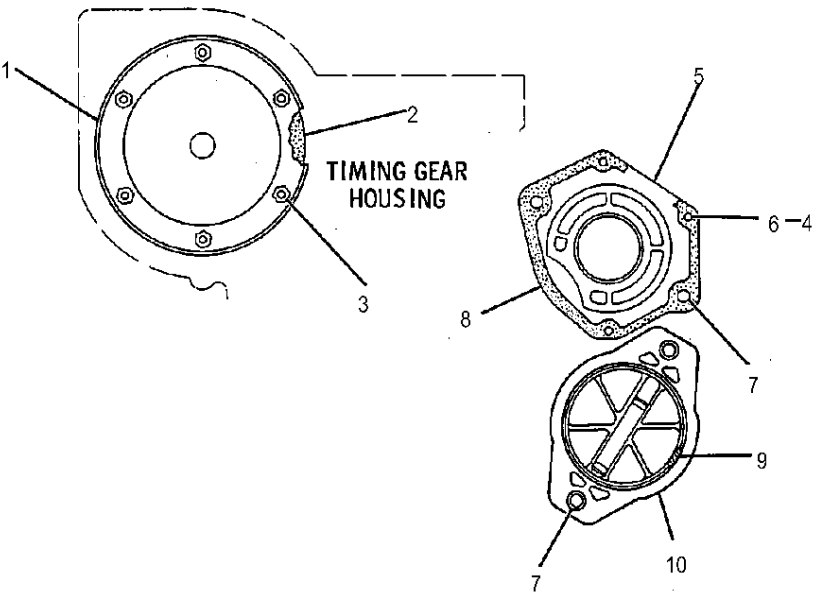
| Ref. | Part number | Description            | Qty | Code | Group page |
|------|-------------|------------------------|-----|------|------------|
| 1    | 2W-1086     | COVER AS-CYLINDER HEAD | 1   | C    |            |
| 2    | 0S-1617     | BOLT (5/16-18X.75IN)   | 15  |      |            |
| 3    | 9M-1974     | WASHER-HARD (2MM THK)  | 15  |      |            |
| 4    | 133-1247    | SEAL-INTEGRAL          | 1   |      |            |

CAT codes: C.

2P-6528 COVER GP-FRONT HOUSING

2P6528 COVER GP-FRONT HOUSING

Drawing 1 of 1



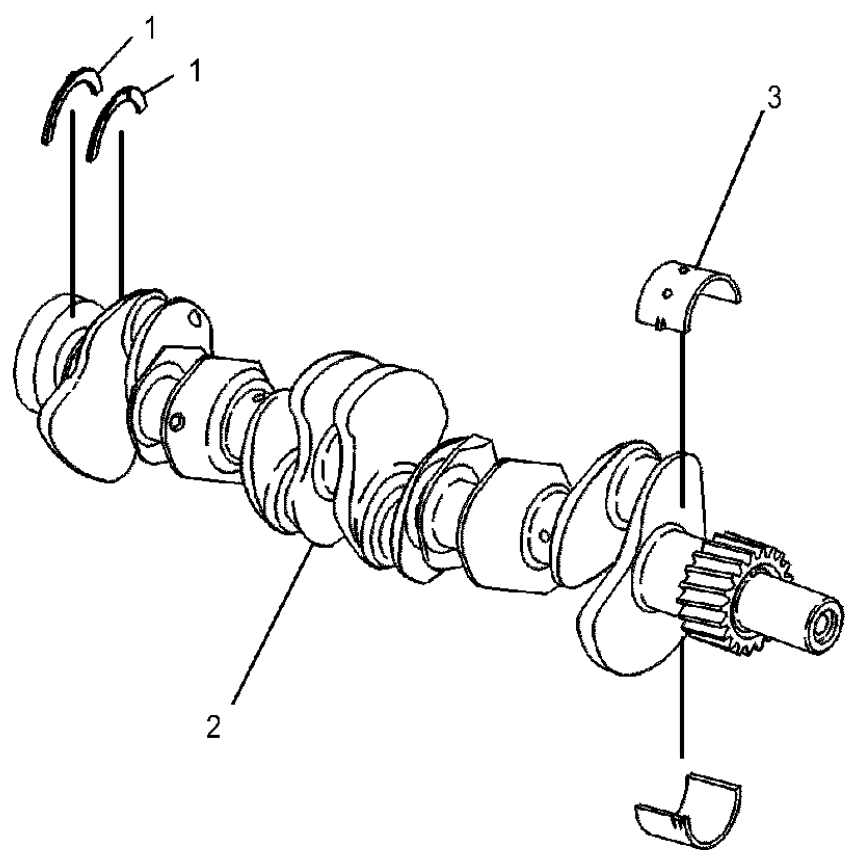
| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 9N-5769     | COVER-HOUSING        | 1   | C    |            |
| 2    | 6N-7887     | GASKET-HOUSING COVER | 1   |      |            |
| 3    | 3S-2713     | NUT-FULL             | 6   |      |            |
|      | 8M-9024     | WASHER-HARD          | 6   |      |            |
| 4    | 5M-2894     | WASHER               | 3   |      |            |
| 5    | 1W-4542     | COVER-WATER PUMP     | 1   | C    |            |
| 6    | 3B-1915     | BOLT                 | 3   |      |            |
| 7    | 0S-1566     | BOLT                 | 4   |      |            |
|      | 5P-8247     | WASHER-HARD          | 4   |      |            |
| 8    | 2P-0220     | GASKET-PUMP          | 1   |      |            |
| 9    | 5F-3106     | SEAL-O-RING          | 1   |      |            |
| 10   | 7N-8374     | COVER-DRIVE OPENING  | 1   |      |            |

CAT codes: C.

4P-9856 CRANKSHAFT GP

4P9856 CRANKSHAFT GP

Drawing 1 of 1

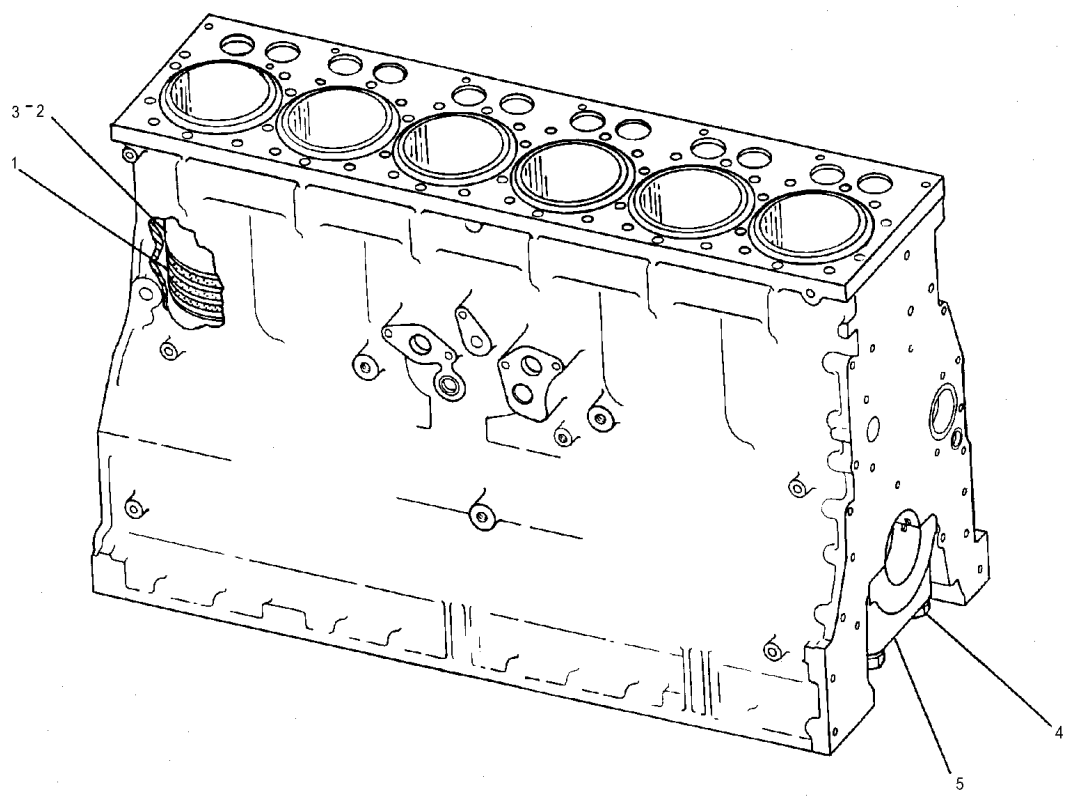


| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 100-3652    | PLATE-THRUST                     | 2   |      |            |
| 2    | 4P-9857     | CRANKSHAFT AS                    | 1   |      |            |
|      | 4P-7827     | GEAR-CRANKSHAFT (33 TEETH)       | 1   |      |            |
|      | 5H-2671     | KEY-WOODRUFF                     | 1   |      |            |
|      | 9F-2247     | PLUG-PIPE                        | 6   |      |            |
| 3    | 4W-5738     | BEARING-MAIN (STANDARD)          | 7   |      |            |
|      | 8N-8225     | BEARING-MAIN (.25MM US)          | 7   | A    |            |
|      | 8N-8226     | BEARING-MAIN (.51MM US)          | 7   | A    |            |
|      | 8N-8227     | BEARING-MAIN (.76MM US)          | 7   | A    |            |
|      | 8N-8228     | BEARING-MAIN (.51MM OS)          | 7   | A    |            |
|      | 8N-8229     | BEARING-MAIN (.25MM US/.51MM OS) | 7   | A    |            |
|      | 4P-7305     | BEARING-MAIN (.51MM US/.51MM OS) | 7   | A    |            |
|      | 4P-7306     | BEARING-MAIN (.76MM US/.51MM OS) | 7   | A    |            |

7N-6550 CYLINDER BLOCK AS

7N6550 CYLINDER BLOCK AS PART OF 8N5286 CYLINDER BLOCK FIELD REPLACEMENT ORDER 1N3576-PAGE 9 & 6N7727 CYLINDER BLOCK KIT

Drawing 1 of 1



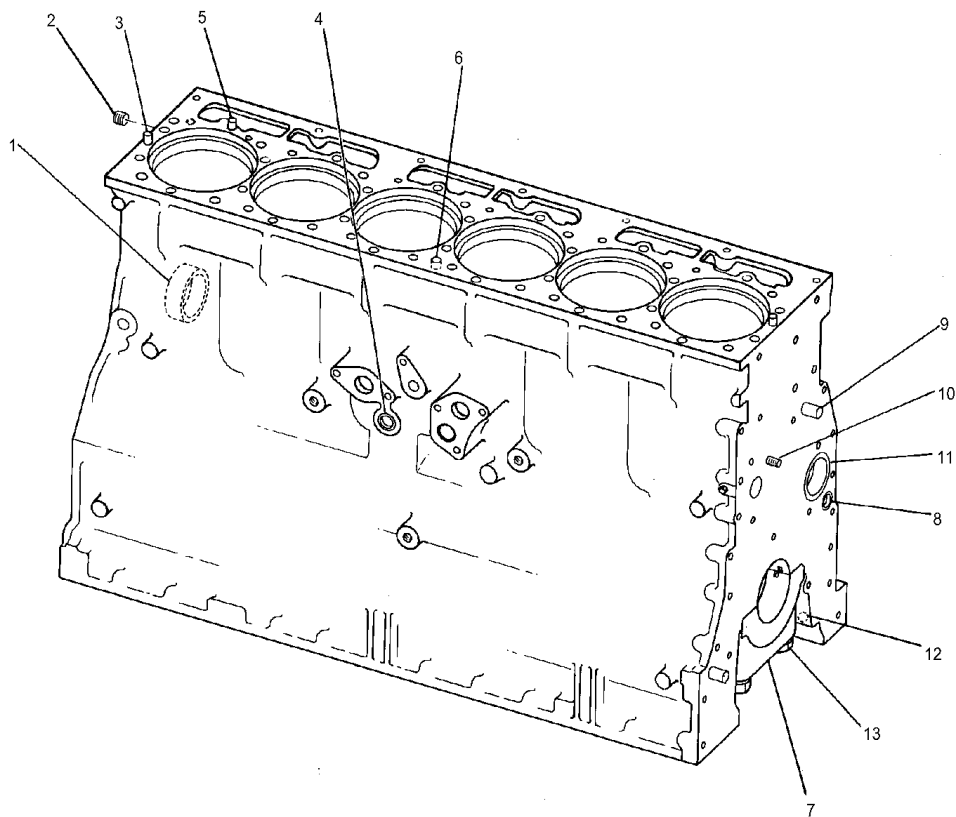
| Ref. | Part number | Description                     | Qty | Code | Group page |
|------|-------------|---------------------------------|-----|------|------------|
| 1    | 5S-6670     | SEAL-O-RING                     | 18  |      |            |
| 2    | 110-5800    | LINER-CYLINDER                  | 6   |      |            |
|      | 104-5512    | INSERT-LINER SEAT (.822MM THK)  | 6   | AJ   |            |
|      | 104-5518    | INSERT-LINER SEAT (1.605MM THK) | 6   | AJ   |            |
|      | 104-5527    | INSERT-LINER SEAT (2.710MM THK) | 6   | AJ   |            |
|      | 104-5530    | INSERT-LINER SEAT (5.210MM THK) | 6   | AJ   |            |
| 3    | 2W-6134     | BAND-FILLER                     | 6   | C    |            |
| 4    | 7S-3224     | BOLT                            | 14  |      |            |
|      | 2S-5658     | WASHER-HARD                     | 14  |      |            |
| 5    | 6N-8003     | CAP-CRANKSHAFT BEARING          | 7   | M    |            |

CAT codes: A, C, M, J.

1N-3576 CYLINDER BLOCK GP

1N3576 CYLINDER BLOCK GP FIELD REPLACEMENT FOR 7N6550-PAGE 8

Drawing 1 of 1



| Ref. | Part number | Description            | Qty | Code | Group page |
|------|-------------|------------------------|-----|------|------------|
| 1    | 7M-4046     | BEARING-SLEEVE         | 4   |      |            |
| 2    | 3J-6019     | PLUG                   | 1   |      |            |
| 3    | 8K-1207     | PIN-DOWEL              | 2   |      |            |
| 4    | 4B-5387     | PLUG-CUP               | 1   |      |            |
| 5    | 1S-9540     | DOWEL                  | 1   |      |            |
| 6    | 5B-7652     | DOWEL                  | 2   |      |            |
| 7    | 6N-8003     | CAP-CRANKSHAFT BEARING | 7   |      |            |
| 8    | 4B-3938     | PLUG-CUP               | 1   |      |            |
| 9    | 8B-6349     | DOWEL                  | 2   |      |            |
| 10   | 5S-8462     | STUD                   | 1   |      |            |
| 11   | 8N-4110     | BEARING-SLEEVE         | 1   |      |            |
| 12   | 4B-9782     | BALL                   | 1   |      |            |
| 13   | 7S-3224     | BOLT                   | 14  |      |            |
|      | 2S-5658     | WASHER-HARD            | 14  |      |            |

8N-5286 CYLINDER BLOCK GP

8N5286 CYLINDER BLOCK GP\*R 7N6550-PAGE 8

Drawing 1 of 1

| NOTE | REF NO | PART NUMBER | QTY | PART NAME         | NOTE | REF NO | PART NUMBER | QTY | PART NAME |
|------|--------|-------------|-----|-------------------|------|--------|-------------|-----|-----------|
| CY   | 1      | 7N6550      | 1   | CYLINDER BLOCK AS |      |        |             |     |           |
|      | 2      | 7M4046      | 4   | BEARING-SLEEVE    |      |        |             |     |           |
|      | 3      | 8K1207      | 2   | DOWEL             |      |        |             |     |           |
|      | 4      | 3S5496      | 1   | SEAL-O-RING       |      |        |             |     |           |
|      | 5      | 8B6349      | 2   | DOWEL             |      |        |             |     |           |
| C    | 6      | 7N7998      | 1   | PLATE-BLOCK       |      |        |             |     |           |
|      | 7      | 7N7546      | 1   | GASKET-PLATE      |      |        |             |     |           |
|      | 8      | 5M6214      | 1   | PLUG-PIPE         |      |        |             |     |           |
|      | 9      | 7H3171      | 1   | PLUG-PIPE         |      |        |             |     |           |
|      | 10     | 5M6213      | 4   | PLUG              |      |        |             |     |           |
|      | 11     | 8M9307      | 1   | PLUG-DRAIN        |      |        |             |     |           |
| C    | 12     | 6F7062      | 1   | WASHER            |      |        |             |     |           |
|      | 13     | 2B0858      | 3   | PLUG-PIPE         |      |        |             |     |           |
|      | 14     | 5B7652      | 2   | DOWEL             |      |        |             |     |           |
|      | 15     | 8N4110      | 1   | BEARING-SLEEVE    |      |        |             |     |           |
|      | 16     | 4B5387      | 1   | PLUG-CUP          |      |        |             |     |           |
|      | 17     | 4B9782      | 1   | BALL              |      |        |             |     |           |
|      | 18     | 13S540      | 1   | DOWEL             |      |        |             |     |           |
| C    | 19     | 5S8462      | 1   | STUD              |      |        |             |     |           |
|      |        | 4B3938      | 1   | PLUG-CUP          |      |        |             |     |           |

C-CHANGE FROM PREVIOUS TYPE  
Y-SEPARATE ILLUSTRATION

B-400611 EP

| Ref. | Part number | Description       | Qty | Code | Group page |
|------|-------------|-------------------|-----|------|------------|
| 1    | 7N-6550     | CYLINDER BLOCK AS | 1   | CY   |            |
| 2    | 7M-4046     | BEARING-SLEEVE    | 4   |      |            |
| 3    | 8K-1207     | DOWEL             | 2   |      |            |
| 4    | 3S-5496     | SEAL-O-RING       | 1   |      |            |
| 5    | 8B-6349     | DOWEL             | 2   |      |            |
| 6    | 7N-7998     | PLATE-BLOCK       | 1   |      |            |
| 7    | 115-7550    | GASKET-PLATE      | 1   | C    |            |
| 8    | 8T-6764     | PLUG-PIPE         | 1   |      |            |
| 9    | 8T-6763     | PLUG              | 1   |      |            |
| 10   | 8T-6765     | PLUG-PIPE         | 4   |      |            |
| 11   | 8M-9307     | PLUG-DRAIN        | 1   |      |            |
|      | 6F-7062     | WASHER            | 1   |      |            |
| 12   | 8T-6762     | PLUG-PIPE         | 3   | C    |            |
| 13   | 5B-7652     | DOWEL             | 2   |      |            |
| 14   | 8N-4110     | BEARING-SLEEVE    | 1   |      |            |

8N-5286 CYLINDER BLOCK GP (continued)

| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 15   | 4B-5387     | PLUG-CUP    | 1   |      |            |
| 16   | 4B-9782     | BALL        | 1   |      |            |
| 17   | 1S-9540     | DOWEL       | 1   |      |            |
| 18   | 5S-8462     | STUD        | 1   |      |            |
| 19   | 4B-3938     | PLUG-CUP    | 1   | C    |            |

CAT codes: C, Y.

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