

# CATERPILLAR 933C

4MS / SEBP2717

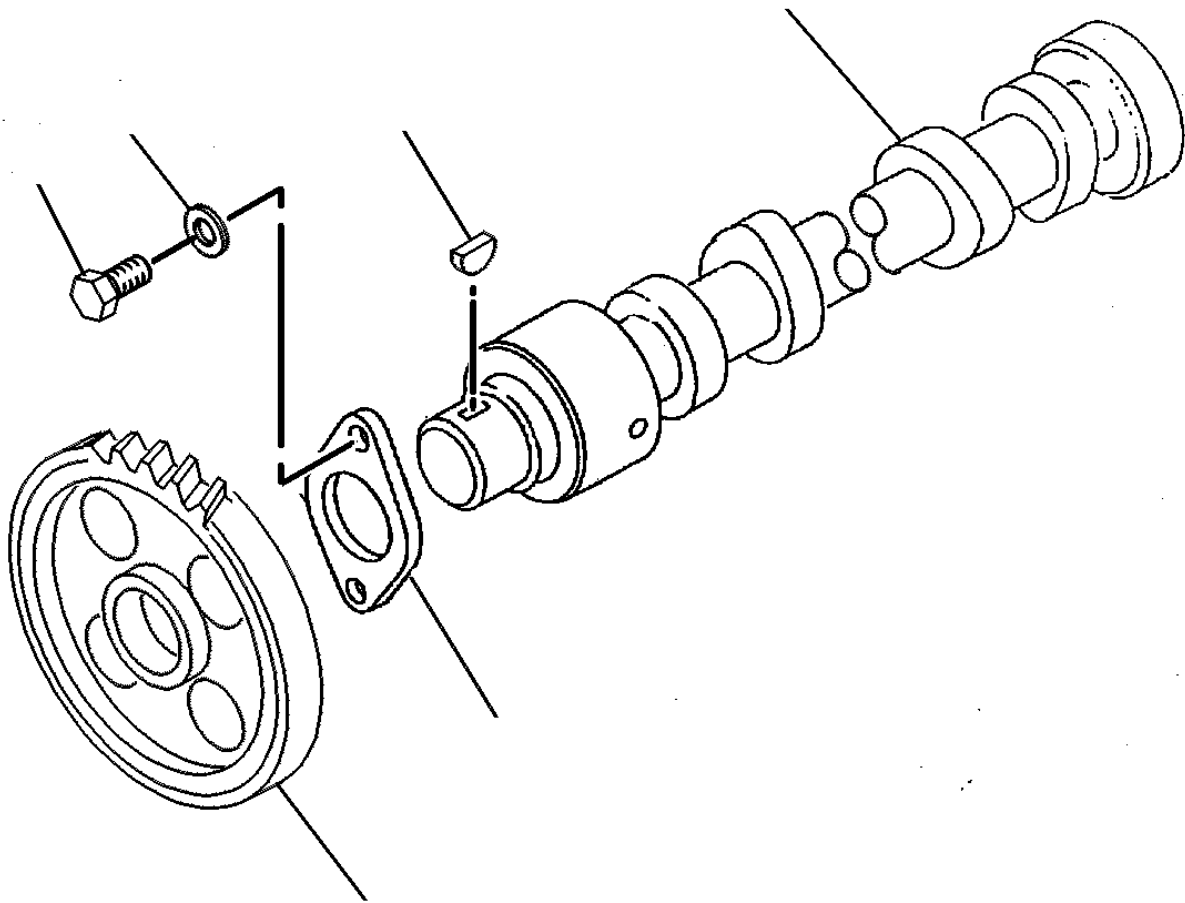
## Contents

| Section                      | Page |
|------------------------------|------|
| <a href="#">Basic engine</a> | 2    |
| Lubrication system           |      |
| Cooling system               |      |
| Air inlet and exhaust        |      |
| Fuel system                  |      |
| Basic engine                 |      |
| Basic engine                 |      |
| Electrical and electronics   |      |
| Hydraulic system             |      |
| Frame, guards and enclosure  |      |
| Undercarriage                |      |
| Hydraulic system             |      |
| Hydraulic system             |      |
| Labels, kits and diagnostics |      |
| Hydraulic system             |      |
| Catalog items                |      |
| Catalog items                |      |

116-9987 CAMSHAFT GP

116-9987 CAMSHAFT GP S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



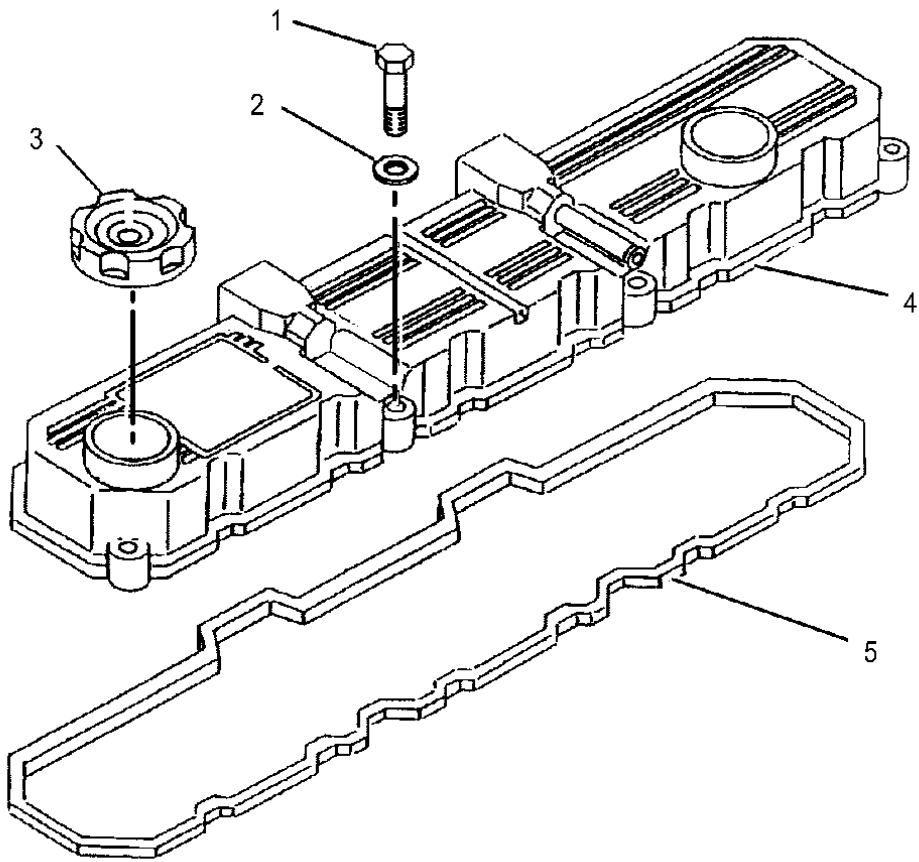
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 6V-5215     | BOLT (M8X1.25X16-MM)          | 2   | M    |            |
| 2    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 3    | 107-8369    | CAMSHAFT AS                   | 1   |      |            |
| 4    | 094-4628    | KEY                           | 1   |      |            |
| 5    | 122-9352    | PLATE-THRUST                  | 1   |      |            |
| 6    | 117-2827    | GEAR (46-TEETH)               | 1   |      |            |

CAT codes: M, R.

106-8248 COVER GP-VALVE MECHANISM

106-8248 COVER GP-VALVE MECHANISM S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



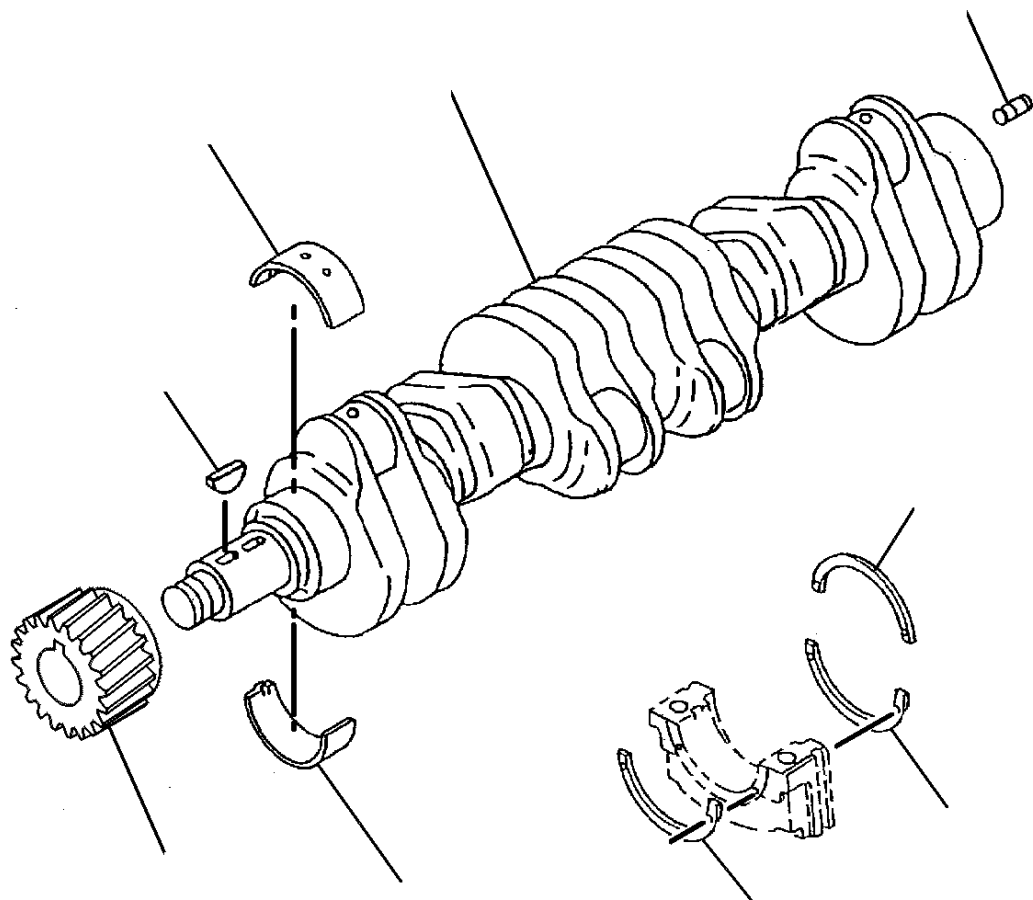
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 6V-5219     | BOLT (M8X1.25X40-MM)          | 7   | M    |            |
| 2    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 7   |      |            |
| 3    | 114-6875    | CAP (ENGINE OIL FILL CAP)     | 1   |      |            |
| 4    | 151-5295    | COVER AS-VALVE                | 1   |      |            |
| 5    | 107-0969    | GASKET (MANIFOLD)             | 1   |      |            |

CAT codes: M.

116-9988 CRANKSHAFT GP

116-9988 CRANKSHAFT GP S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



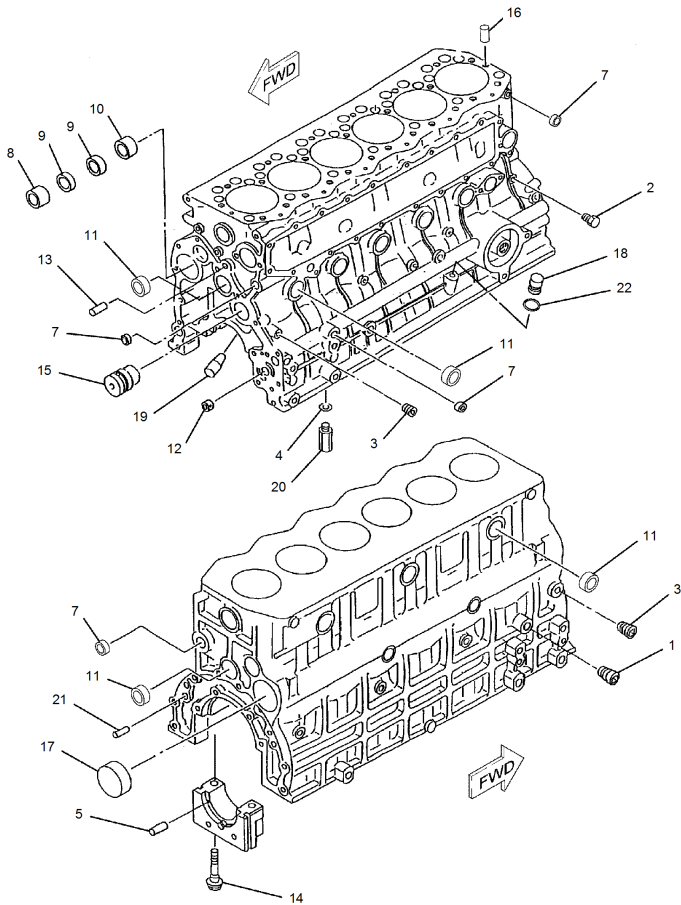
| Ref. | Part number | Description                             | Qty | Code | Group page |
|------|-------------|-----------------------------------------|-----|------|------------|
| 1    | 107-0991    | BEARING SET-MAIN (STANDARD)             | 1   |      |            |
|      | 114-5609    | BEARING SET-MAIN (0.25-MM US)(.25MM US) | 1   |      |            |
|      | 114-5610    | BEARING SET-MAIN (0.50-MM US)(.50MM US) | 1   |      |            |
|      | 114-5611    | BEARING SET-MAIN (0.75-MM US)(.75MM US) | 1   |      |            |
| 2    | 117-2830    | CRANKSHAFT AS                           | 1   |      |            |
| 3    | 103-2235    | KEY-WOODRUFF                            | 1   |      |            |
| 4    | 117-2829    | GEAR (23-TEETH)                         | 1   |      |            |
| 5    | 085-9513    | PIN                                     | 1   |      |            |
| 6    | 103-9288    | PLATE-THRUST (STANDARD)(STANDARD)       | 3   |      |            |
|      | 103-9289    | PLATE-THRUST (0.15-MM OS)               | 3   |      |            |
|      | 103-9290    | PLATE-THRUST (0.35-MM OS)               | 3   |      |            |

CAT codes: R.

201-1037 CYLINDER BLOCK AS

201-1037 CYLINDER BLOCK AS S/N 5XK12250-UP PART OF 106-8230 CYLINDER BLOCK GP

Drawing 1 of 1



| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 1    | 4D-3118     | PLUG-PIPE   | 3   |      |            |
| 2    | 5M-6213     | PLUG-PIPE   | 1   |      |            |
| 3    | 9F-2247     | PLUG-PIPE   | 8   |      |            |
| 4    | 234-4796    | GASKET      | 1   |      |            |
| 5    | 183-5916    | PIN-SPRING  | 6   |      |            |
| 7    | 096-3741    | CAP         | 9   |      |            |
| 8    | 5I-8009     | BUSHING     | 1   |      |            |
| 9    | 5I-7528     | BUSHING     | 2   |      |            |
| 10   | 5I-7529     | BUSHING     | 1   |      |            |
| 11   | 3P-1896     | PLUG-CUP    | 15  |      |            |
| 12   | 314-9938    | BUSHING     | 1   |      |            |
| 13   | 233-5488    | PIN         | 2   |      |            |
| 14   | 103-9276    | BOLT        | 14  |      |            |
| 15   | 103-9703    | SHAFT-IDLER | 1   |      |            |
| 16   | 104-1218    | DOWEL       | 2   |      |            |

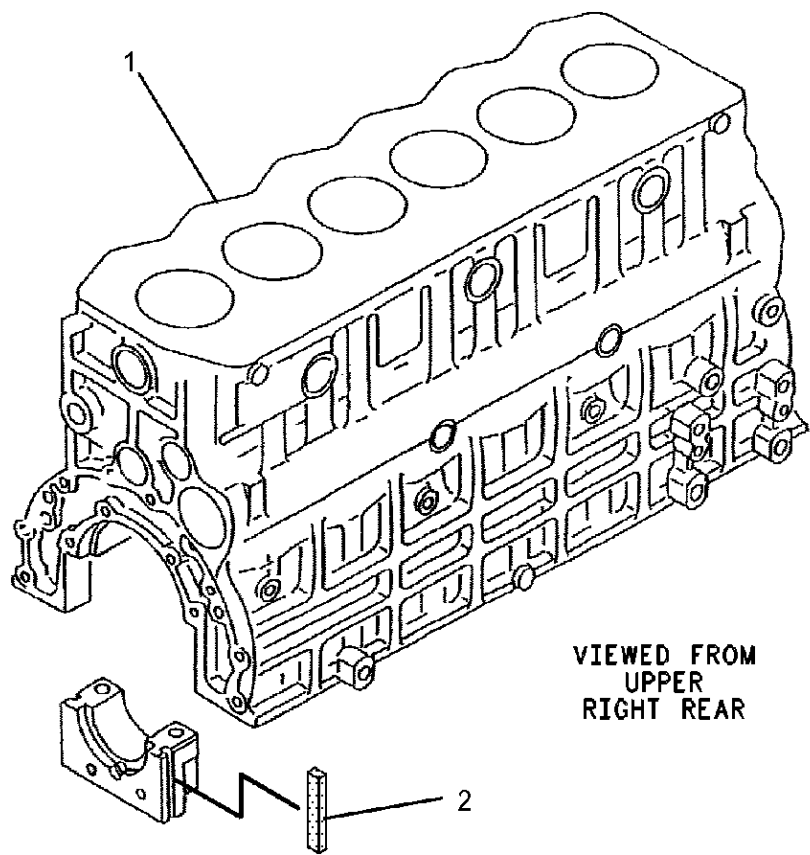
201-1037 CYLINDER BLOCK AS (continued)

| Ref. | Part number | Description                         | Qty | Code | Group page |
|------|-------------|-------------------------------------|-----|------|------------|
| 17   | 5I-7525     | PLUG                                | 1   |      |            |
| 18   | 107-3667    | PLUG                                | 1   |      |            |
| 19   | 107-3669    | JET                                 | 6   |      |            |
| 20   | 294-1767    | VALVE (PRESSURE RELIEF)(ENGINE OIL) | 1   |      |            |
| 21   | 099-4420    | PIN                                 | 2   |      |            |
| 22   | 5I-4993     | SEAL                                | 1   |      |            |

106-8230 CYLINDER BLOCK GP

106-8230 CYLINDER BLOCK GP S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



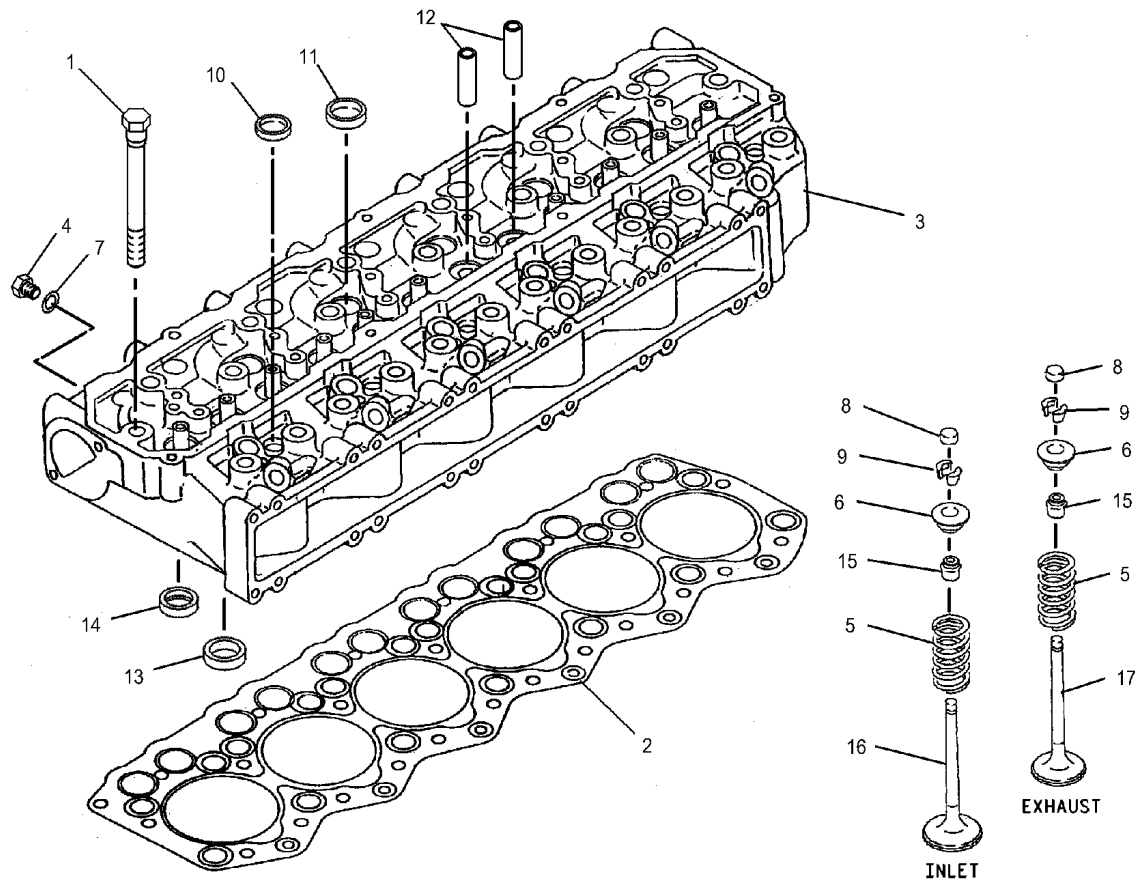
| Ref.                                                           | Part number | Description             | Qty | Code | Group page |
|----------------------------------------------------------------|-------------|-------------------------|-----|------|------------|
| 1                                                              | 201-1037    | CYLINDER BLOCK AS       | 1   | Y    |            |
| 2                                                              | 103-9279    | SEAL-SIDE               | 2   |      |            |
| AVAILABLE REPAIR KIT(S):                                       |             |                         |     |      |            |
|                                                                | 128-3811    | KIT-JACKET WATER HEATER | 1   |      |            |
| (INCLUDES CORD AS-HEATER,ELEMENT-HEATER, & RECEPTACLE-COVERED) |             |                         |     |      |            |

CAT codes: Y.

106-8249 CYLINDER HEAD GP

106-8249 CYLINDER HEAD GP S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 103-9246    | BOLT-CYLINDER HEAD   | 25  |      |            |
| 2    | 107-0979    | GASKET-CYLINDER HEAD | 1   |      |            |
| 3    | 107-0978    | CYLINDER HEAD AS     | 1   |      |            |
| 4    | 096-9435    | PLUG                 | 2   |      |            |
| 5    | 103-2782    | SPRING               | 12  |      |            |
| 6    | 5I-7625     | RETAINER             | 12  |      |            |
| 7    | 1S-0379     | GASKET               | 2   |      |            |
| 8    | 5I-7630     | CAP                  | 12  |      |            |
| 9    | 5I-7719     | RETAINER             | 24  |      |            |
| 10   | 103-9010    | CAP-SEALING          | 12  |      |            |
| 11   | 103-9011    | CAP-SEALING          | 11  |      |            |
| 12   | 103-9247    | GUIDE-VALVE          | 12  |      |            |
| 13   | 103-9252    | SEAT-VALVE           | 6   |      |            |
| 14   | 103-9253    | SEAT-VALVE           | 6   |      |            |

106-8249 CYLINDER HEAD GP (continued)

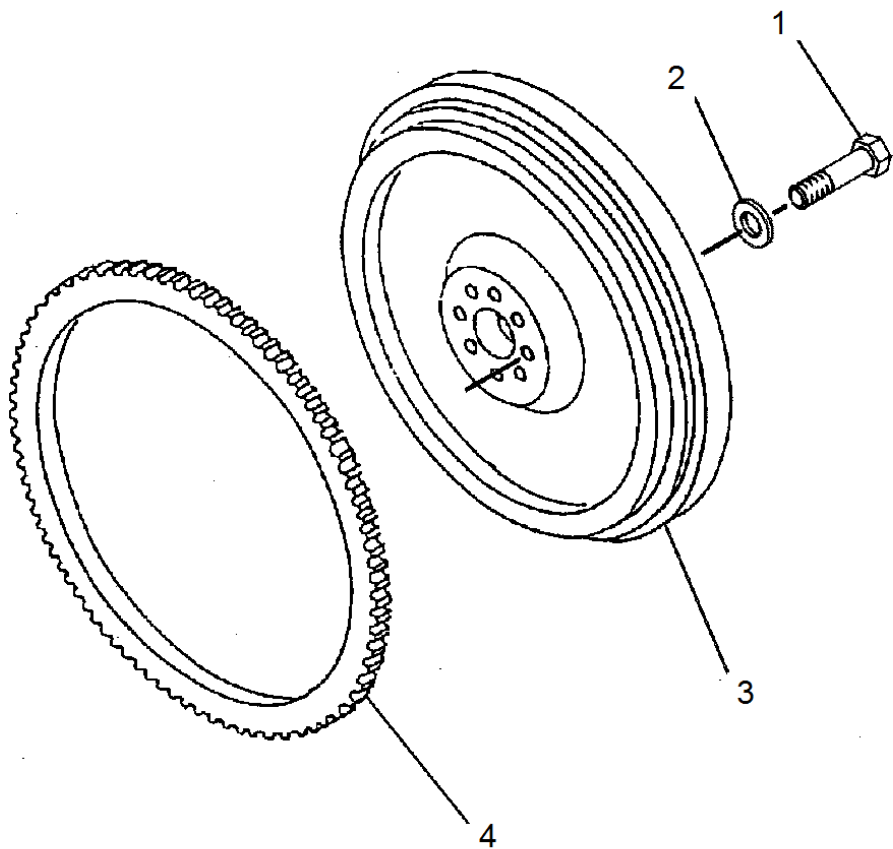
| Ref. | Part number | Description     | Qty | Code | Group page |
|------|-------------|-----------------|-----|------|------------|
| 15   | 103-9260    | SEAL-VALVE STEM | 12  |      |            |
| 16   | 103-9269    | VALVE-INLET     | 6   |      |            |
| 17   | 103-9270    | VALVE-EXHAUST   | 6   |      |            |

CAT codes: R.

116-6714 FLYWHEEL GP

116-6714 FLYWHEEL GP S/N 5XK12250-UP PART OF 137-7383, 149-8748 ENGINE AR-PRIMARY

Drawing 1 of 1



| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 143-0116    | BOLT (M12X1.25X40-MM)            | 6   | M    |            |
| 2    | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 6   |      |            |
| 3    | 120-5298    | FLYWHEEL AS                      | 1   |      |            |
| 4    | 2N-1599     | GEAR (126-TEETH)                 | 1   |      |            |

CAT codes: M.

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

4MS-SEBP2717

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**