

# CATERPILLAR CB-224D

8RZ / KEBP0227

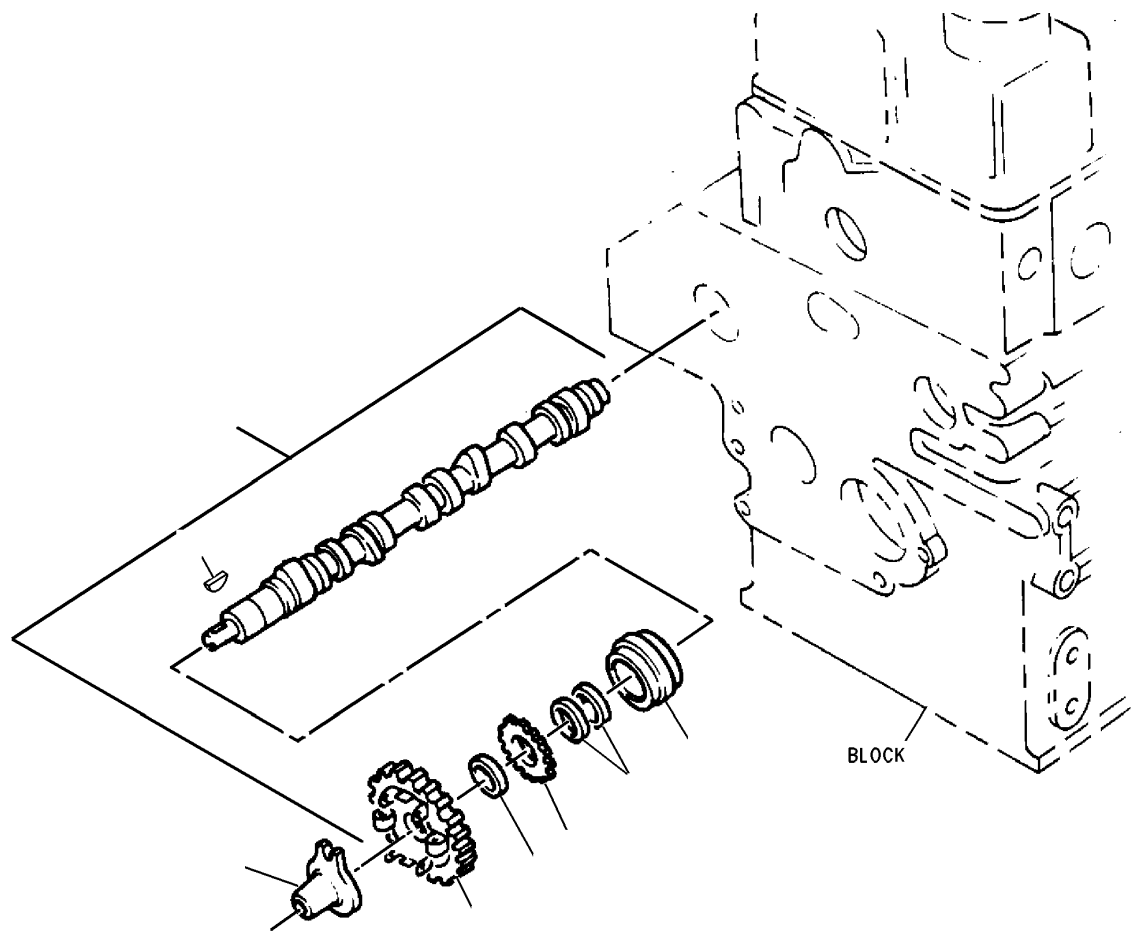
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| Catalog items                |      |

156-6995 CAMSHAFT GP

156-6995 CAMSHAFT GP S/N 4ZW1-UP PART OF 156-8491 ENGINE AR-PRIMARY

Drawing 1 of 1

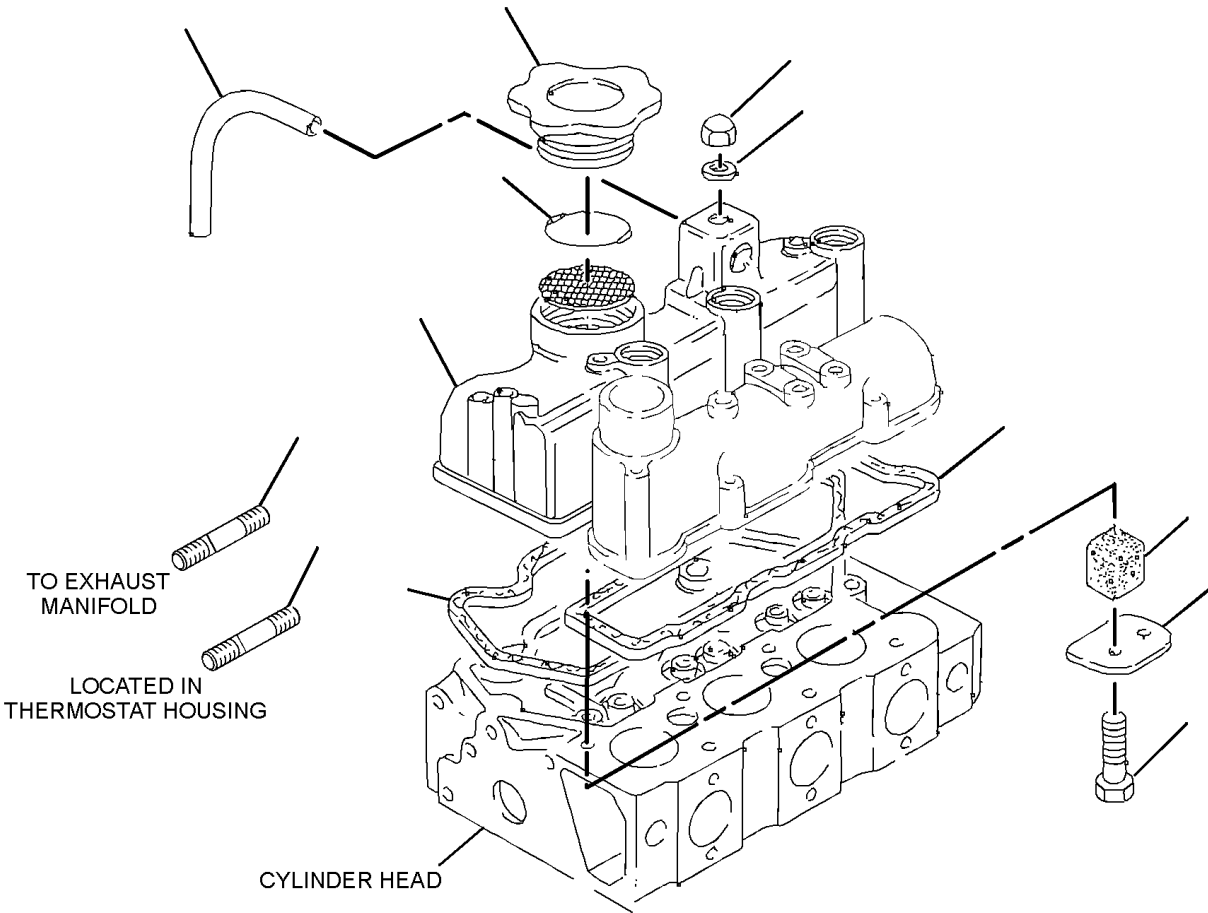


| Ref. | Part number | Description              | Qty | Code | Group page |
|------|-------------|--------------------------|-----|------|------------|
| 1    | 154-4607    | TAPPET                   | 1   |      |            |
| 2    | 156-6996    | CAMSHAFT AS              | 1   |      |            |
| 3    | 153-6492    | KEY-WOODRUFF             | 1   |      |            |
| 4    | 154-4506    | SPACER                   | 3   |      |            |
| 5    | 154-4507    | GEAR-CAMSHAFT (22-TEETH) | 1   |      |            |
| 6    | 154-4508    | GEAR-CAMSHAFT (66-TEETH) | 1   |      |            |
| 7    | 156-6997    | BEARING                  | 1   |      |            |

156-6991 COVER GP-VALVE MECHANISM

156-6991 COVER GP-VALVE MECHANISM S/N 4ZW1-UP PART OF 156-8491 ENGINE AR-PRIMARY

Drawing 1 of 1



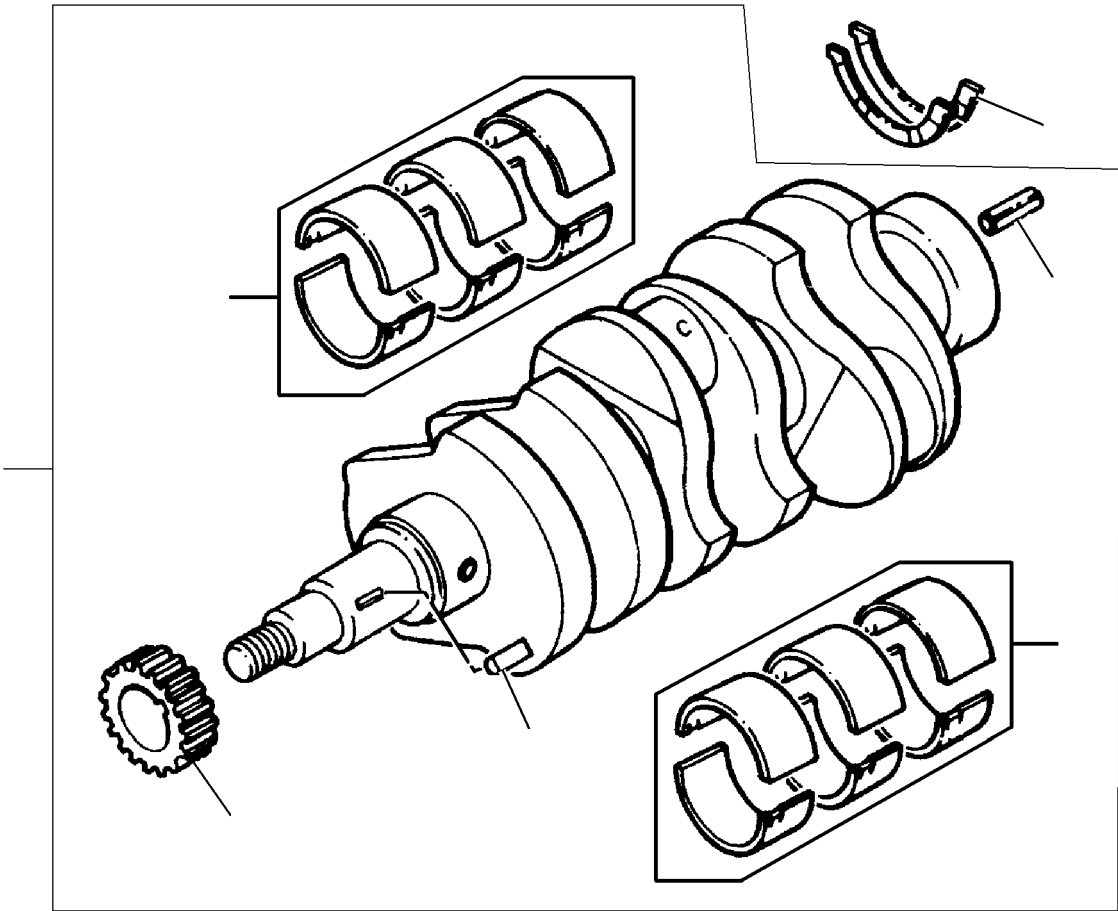
| Ref. | Part number | Description                | Qty | Code | Group page |
|------|-------------|----------------------------|-----|------|------------|
| 1    | 156-6992    | COVER AS-CYLINDER          | 1   |      |            |
| 1A   | 153-5937    | PLATE                      | 1   |      |            |
| 1B   | 153-5939    | STOPPER (OIL)              | 1   |      |            |
| 1C   | 153-5940    | BOLT                       | 2   |      |            |
| 1D   | 154-1341    | TUBE                       | 1   |      |            |
| 2    | 153-5933    | SEAL (ENGINE OIL FILL CAP) | 1   |      |            |
| 3    | 153-5934    | NUT                        | 3   |      |            |
| 4    | 153-5936    | WASHER                     | 3   |      |            |
| 5    | 156-6994    | GASKET                     | 1   |      |            |
| 6    | 153-5931    | CAP (ENGINE OIL FILLER)    | 1   |      |            |
| 7    | 153-5944    | STUD (M6X1X33-MM)          | 2   | M    |            |
| 8    | 160-7626    | STUD (M6X1X53-MM)          | 2   | M    |            |
| 9    | 156-6993    | GASKET                     | 1   |      |            |

CAT codes: M.

156-6974 CRANKSHAFT GP

156-6974 CRANKSHAFT GP S/N 4ZW1-UP PART OF 156-8491 ENGINE AR-PRIMARY

Drawing 1 of 1

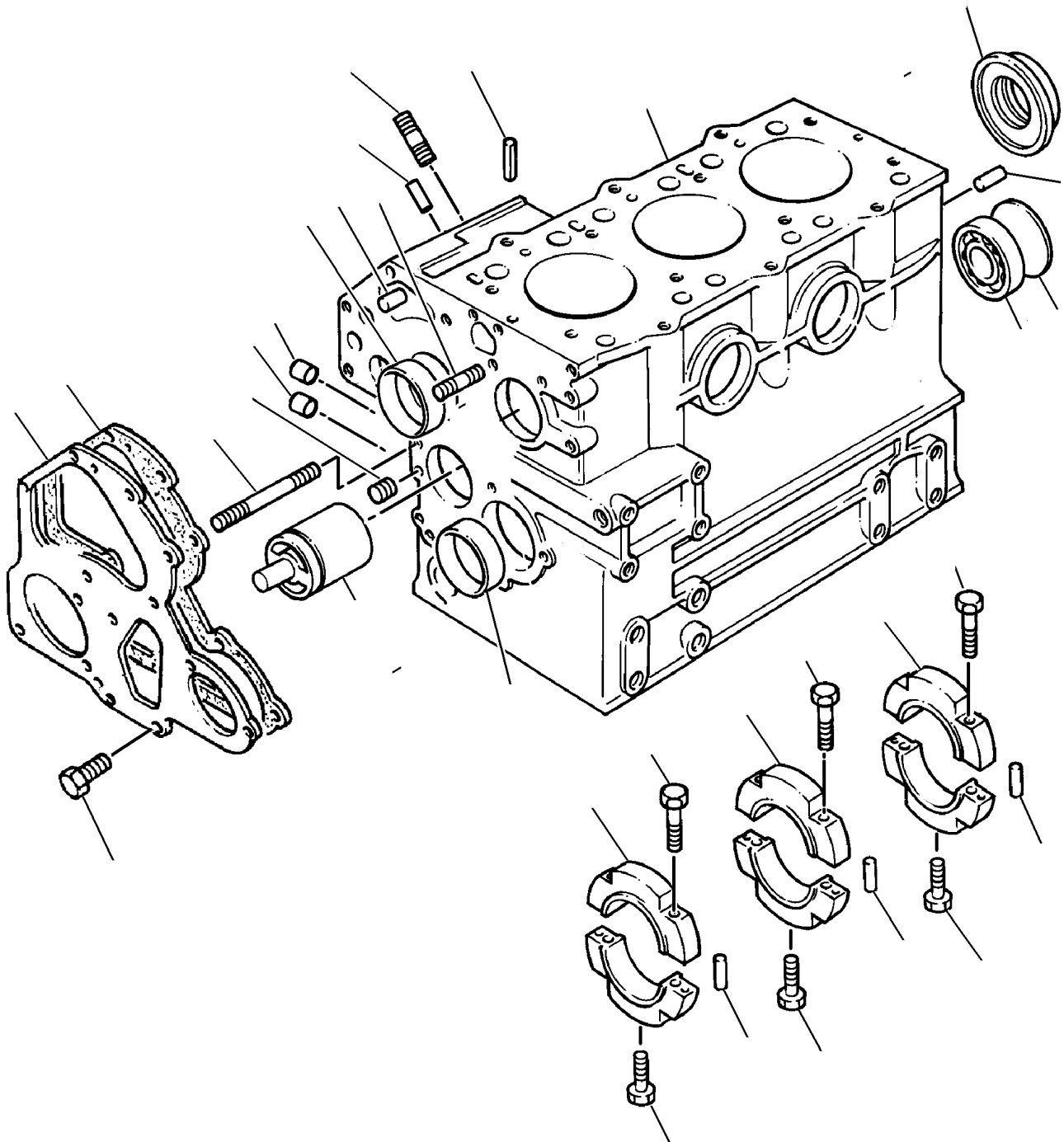


| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 154-1231    | WASHER-THRUST                 | 2   |      |            |
| 2    | 156-6976    | CRANKSHAFT GP                 | 1   |      |            |
| 3    | 153-5518    | KEY                           | 1   |      |            |
| 4    | 153-5519    | PIN                           | 1   |      |            |
| 5    | 154-1202    | GEAR-CRANKSHAFT (33-TEETH)    | 1   |      |            |
| 6    | 156-6977    | KIT-CRANKSHAFT BEARING (MAIN) | 1   |      |            |
| 7    | 156-6978    | KIT-CRANKSHAFT BEARING (ROD)  | 1   |      |            |

## 156-6966 CYLINDER BLOCK GP

156-6966 CYLINDER BLOCK GP S/N 4ZW1-UP PART OF 156-8491 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



| Ref. | Part number | Description       | Qty | Code | Group page |
|------|-------------|-------------------|-----|------|------------|
| 1    | 156-6975    | CYLINDER BLOCK GP | 1   | Y    |            |
| 2    | 153-5387    | PLUG              | 2   |      |            |
| 3    | 153-5390    | BALL BEARING      | 1   |      |            |
| 4    | 153-5391    | PLUG              | 1   |      |            |
| 5    | 153-5413    | BOLT              | 2   |      |            |

**156-6966 CYLINDER BLOCK GP** (continued)

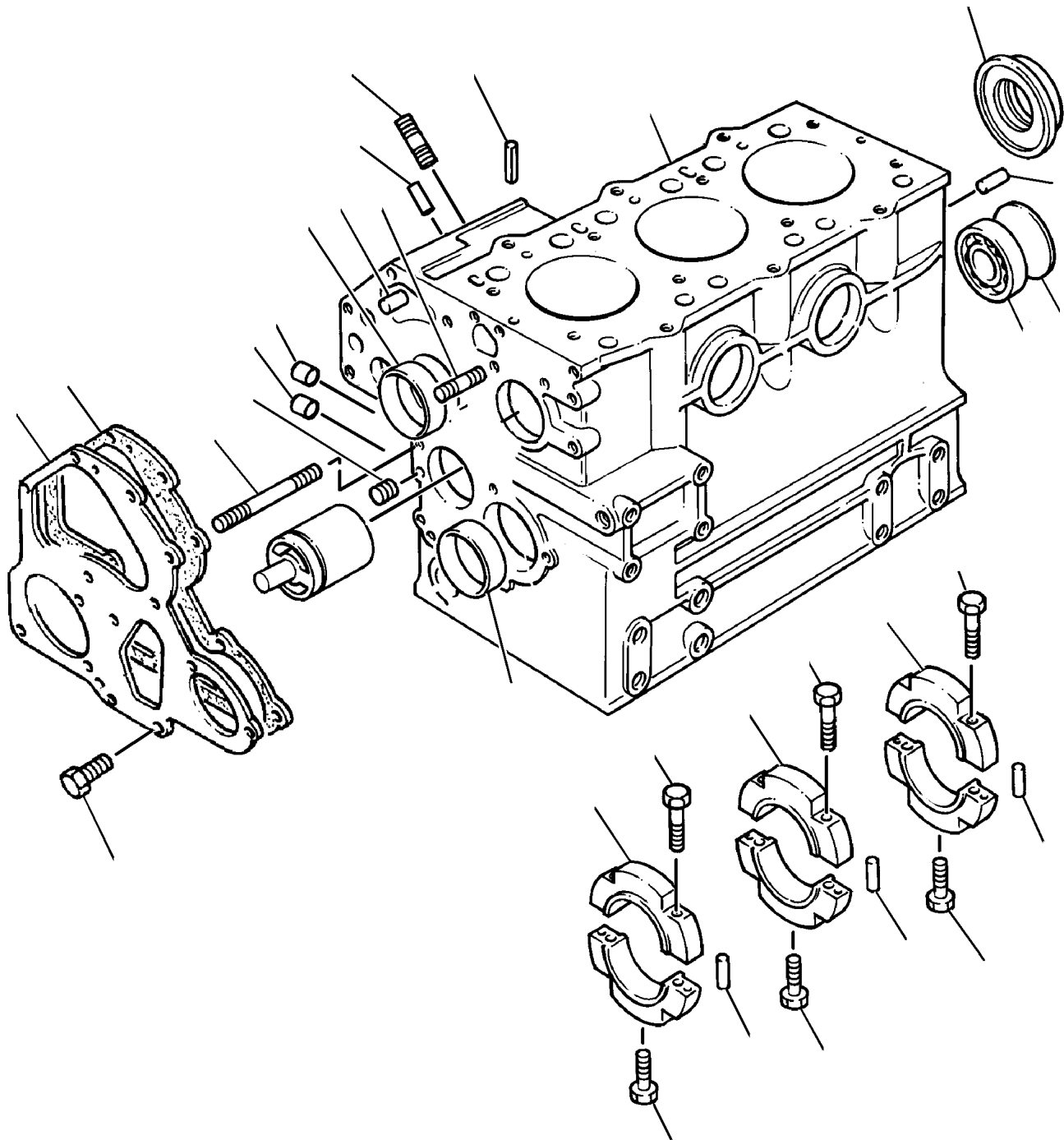
| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 6    | 154-0175    | PLUG        | 3   |      |            |
| 7    | 215-2620    | GASKET      | 1   |      |            |
| 8    | 156-6973    | SEAL        | 1   |      |            |
|      | 326-0081    | SLEEVE      | 1   |      |            |
| 9    | 153-5386    | PLUG        | 4   |      |            |
| 10   | 153-5394    | DOWEL       | 2   |      |            |
| 11   | 153-5395    | DOWEL       | 2   |      |            |
| 12   | 153-5396    | PIN         | 2   |      |            |
| 13   | 153-5398    | STUD        | 1   |      |            |
| 14   | 153-5399    | STUD        | 1   |      |            |
| 15   | 153-5402    | DOWEL       | 2   |      |            |
| 16   | 165-3580    | SHAFT       | 1   |      |            |
| 17   | 154-0180    | BUSHING     | 1   |      |            |
| 18   | 154-0390    | BOLT        | 2   |      |            |
| 19   | 154-0393    | STUD        | 2   |      |            |
| 20   | 156-6969    | BEARING     | 1   |      |            |
| 21   | 156-6971    | BOLT        | 2   |      |            |
| 22   | 156-6972    | PLATE       | 1   |      |            |
| 23   | 156-6968    | BEARING AS  | 1   |      |            |
| 23A  | 153-5402    | DOWEL       | 2   |      |            |
| 23B  | 154-0385    | BOLT        | 2   |      |            |
| 24   | 156-6967    | BEARING AS  | 1   |      |            |
| 24A  | 153-5402    | DOWEL       | 2   |      |            |
| 24B  | 154-0385    | BOLT        | 2   |      |            |
| 25   | 156-6970    | BEARING AS  | 1   |      |            |
| 25A  | 153-5402    | DOWEL       | 2   |      |            |
| 25B  | 154-0385    | BOLT        | 2   |      |            |

CAT codes: Y.

156-6966 CYLINDER BLOCK GP

156-6966 CYLINDER BLOCK GP S/N 4ZW1-UP PART OF 156-8491 ENGINE AR-PRIMARY Type 2

Drawing 1 of 1



| Ref. | Part number | Description       | Qty | Code | Group page |
|------|-------------|-------------------|-----|------|------------|
| 1    | 183-1166    | CYLINDER BLOCK GP | 1   | Y    |            |
| 2    | 153-5387    | PLUG              | 2   |      |            |
| 3    | 6B-0924     | BALL BEARING      | 1   |      |            |
| 4    | 153-5391    | PLUG              | 1   |      |            |
| 5    | 153-6838    | BOLT (M6X1X12-MM) | 2   | M    |            |

156-6966 CYLINDER BLOCK GP (continued)

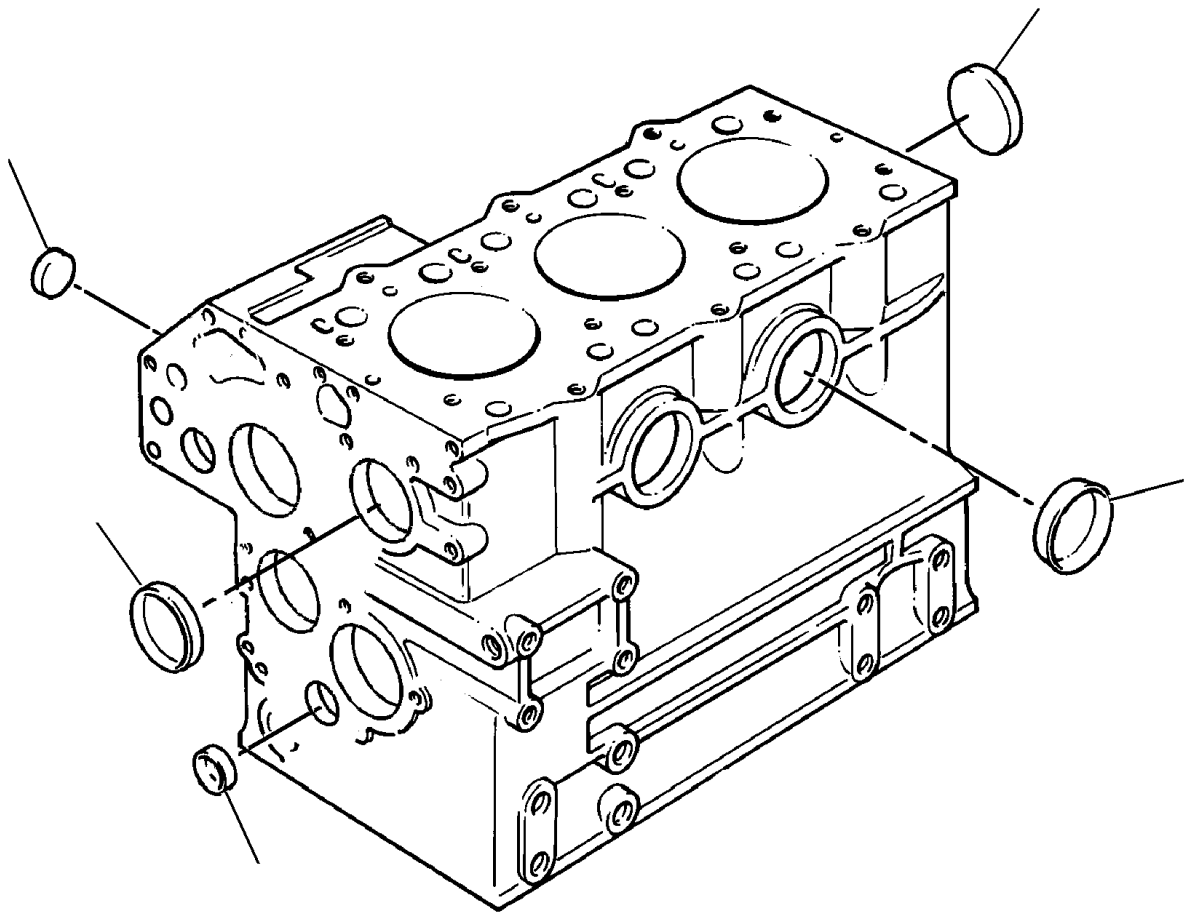
| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 6    | 154-0175    | PLUG        | 3   |      |            |
| 7    | 215-2620    | GASKET      | 1   |      |            |
| 8    | 156-6973    | SEAL        | 1   |      |            |
|      | 326-0081    | SLEEVE      | 1   |      |            |
| 9    | 221-1136    | PLUG        | 4   |      |            |
| 10   | 153-5394    | DOWEL       | 2   |      |            |
| 11   | 153-5395    | DOWEL       | 2   |      |            |
| 12   | 153-5396    | PIN         | 2   |      |            |
| 13   | 183-1163    | STUD        | 1   | M    |            |
| 14   | 183-1164    | STUD        | 1   |      |            |
| 15   | 153-5402    | DOWEL       | 2   |      |            |
| 17   | 294-4916    | BUSHING     | 1   |      |            |
| 18   | 154-0390    | BOLT        | 2   |      |            |
| 19   | 154-0393    | STUD        | 2   |      |            |
| 20   | 156-6969    | BEARING     | 1   |      |            |
| 21   | 156-6971    | BOLT        | 2   |      |            |
| 22   | 154-0391    | PLATE       | 1   |      |            |
| 23   | 156-6968    | BEARING AS  | 1   |      |            |
| 23A  | 153-5402    | DOWEL       | 2   |      |            |
| 23B  | 154-0385    | BOLT        | 2   |      |            |
| 24   | 156-6967    | BEARING AS  | 1   |      |            |
| 24A  | 153-5402    | DOWEL       | 2   |      |            |
| 24B  | 154-0385    | BOLT        | 2   |      |            |
| 25   | 156-6970    | BEARING AS  | 1   |      |            |
| 25A  | 153-5402    | DOWEL       | 2   |      |            |
| 25B  | 154-0385    | BOLT        | 2   |      |            |

CAT codes: M, Y.

156-6975 CYLINDER BLOCK GP

156-6975 CYLINDER BLOCK GP S/N 4ZW1-UP PART OF 156-6966 CYLINDER BLOCK GP

Drawing 1 of 1

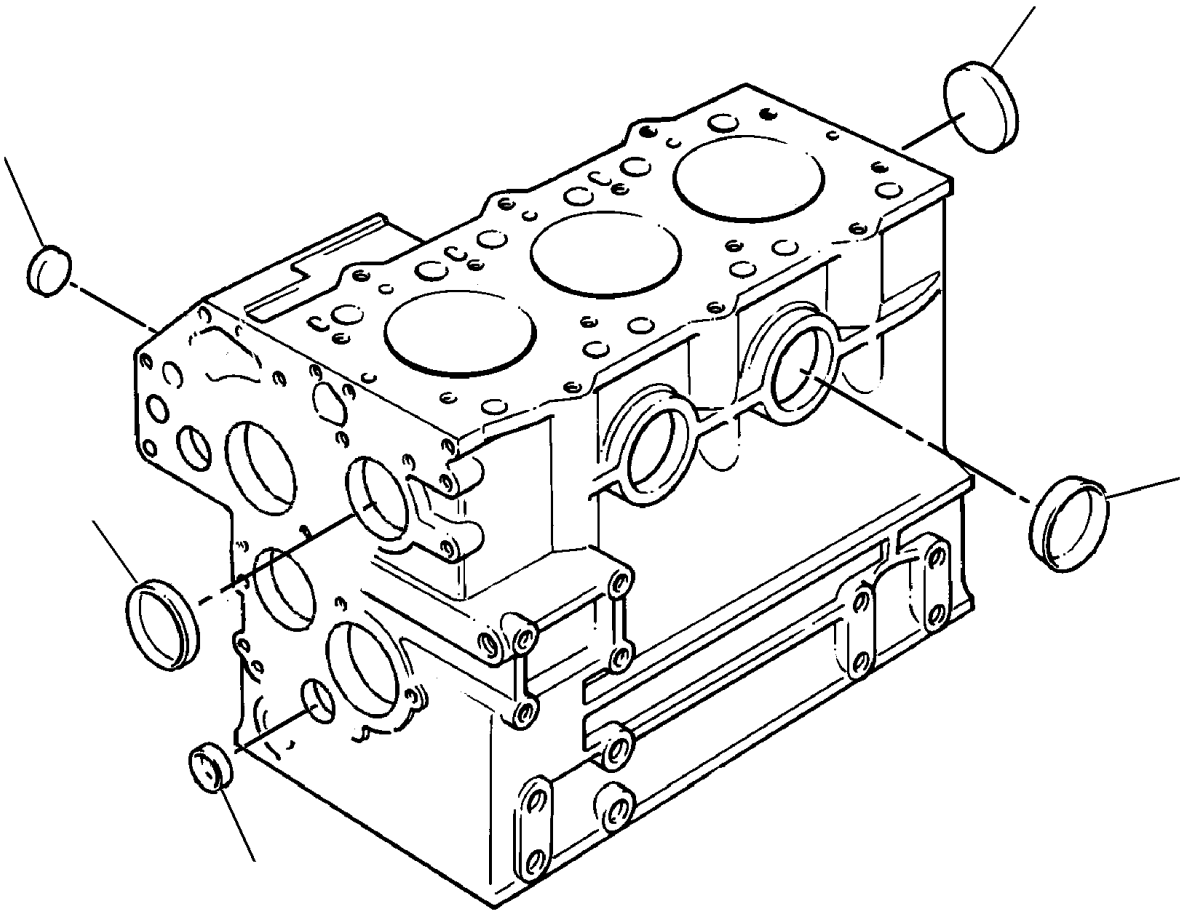


| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 1    | 153-5381    | PLUG        | 1   |      |            |
| 2    | 153-5382    | PLUG        | 1   |      |            |
| 3    | 153-5384    | PLUG        | 4   |      |            |

183-1166 CYLINDER BLOCK GP

183-1166 CYLINDER BLOCK GP S/N 4ZW1-UP PART OF 156-6966 CYLINDER BLOCK GP

Drawing 1 of 1



| Ref. | Part number | Description    | Qty | Code | Group page |
|------|-------------|----------------|-----|------|------------|
| 1    | 288-6539    | CAP            | 1   |      |            |
| 2    | 237-9315    | PLUG (SEALING) | 1   |      |            |
| 3    | 366-4251    | PLUG-SEAL      | 4   |      |            |

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