

# CATERPILLAR 312D2

TJY / SEBP6503

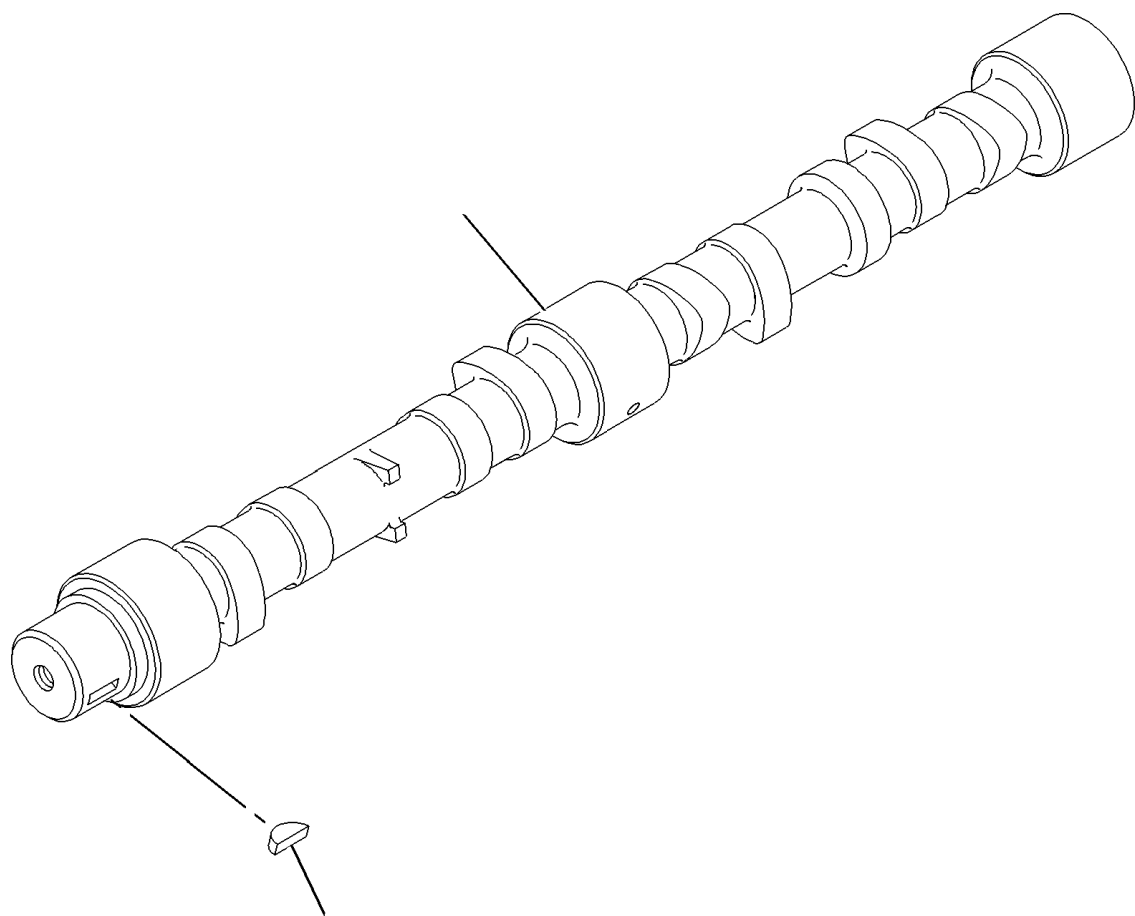
## Contents

| Section                      | Page |
|------------------------------|------|
| Basic engine                 | 2    |
| Lubrication system           |      |
| Cooling system               |      |
| Air inlet and exhaust        |      |
| Fuel system                  |      |
| Basic engine                 |      |
| Hydraulic system             |      |
| Electrical and electronics   |      |
| Power train                  |      |
| Hydraulic system             |      |
| Undercarriage                |      |
| Hydraulic system             |      |
| Hydraulic system             |      |
| Labels, kits and diagnostics |      |
| Air inlet and exhaust        |      |
| Catalog items                |      |

232-7528 CAMSHAFT GP

232-7528 CAMSHAFT GP S/N CST1-UP PART OF 391-6308 ENGINE AR-PRIMARY

Drawing 1 of 1

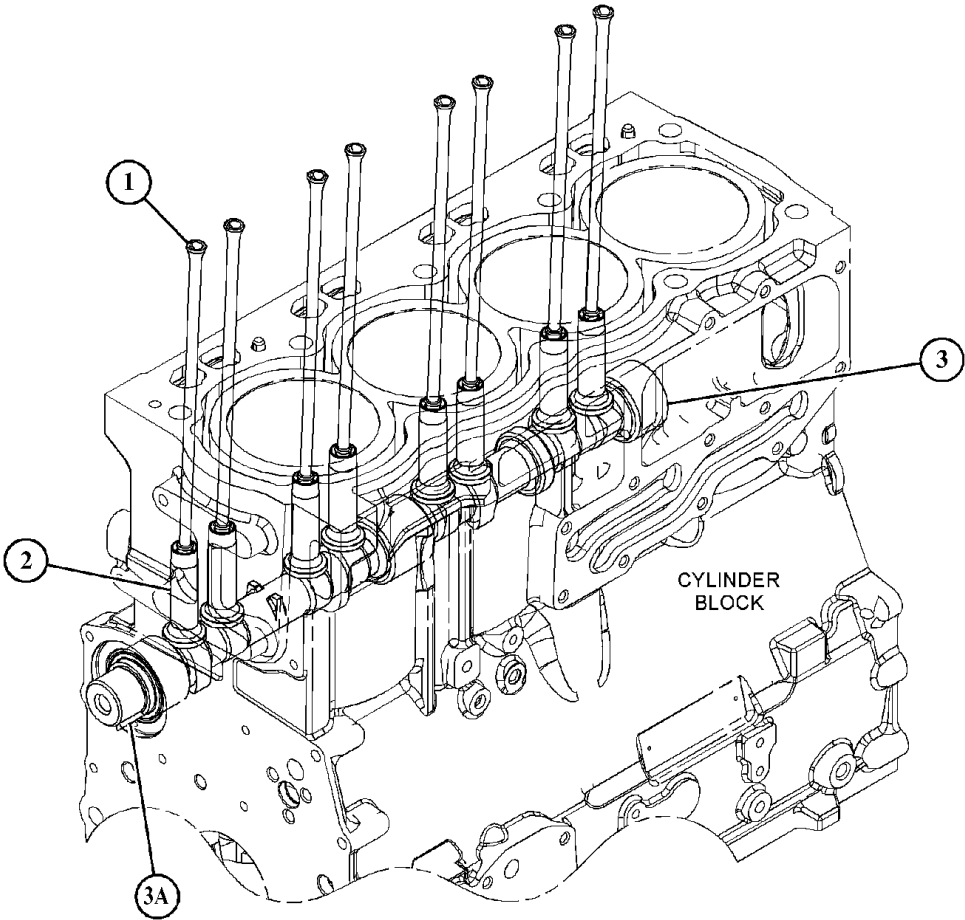


| Ref. | Part number | Description  | Qty | Code | Group page |
|------|-------------|--------------|-----|------|------------|
| 1    | 1B-8736     | KEY-WOODRUFF | 1   |      |            |
| 2    | 225-5967    | CAMSHAFT     | 1   |      |            |

460-0745 CAMSHAFT GP

460-0745 CAMSHAFT GP S/N CST1-UP PART OF 391-6308 ENGINE AR-PRIMARY

Drawing 1 of 1

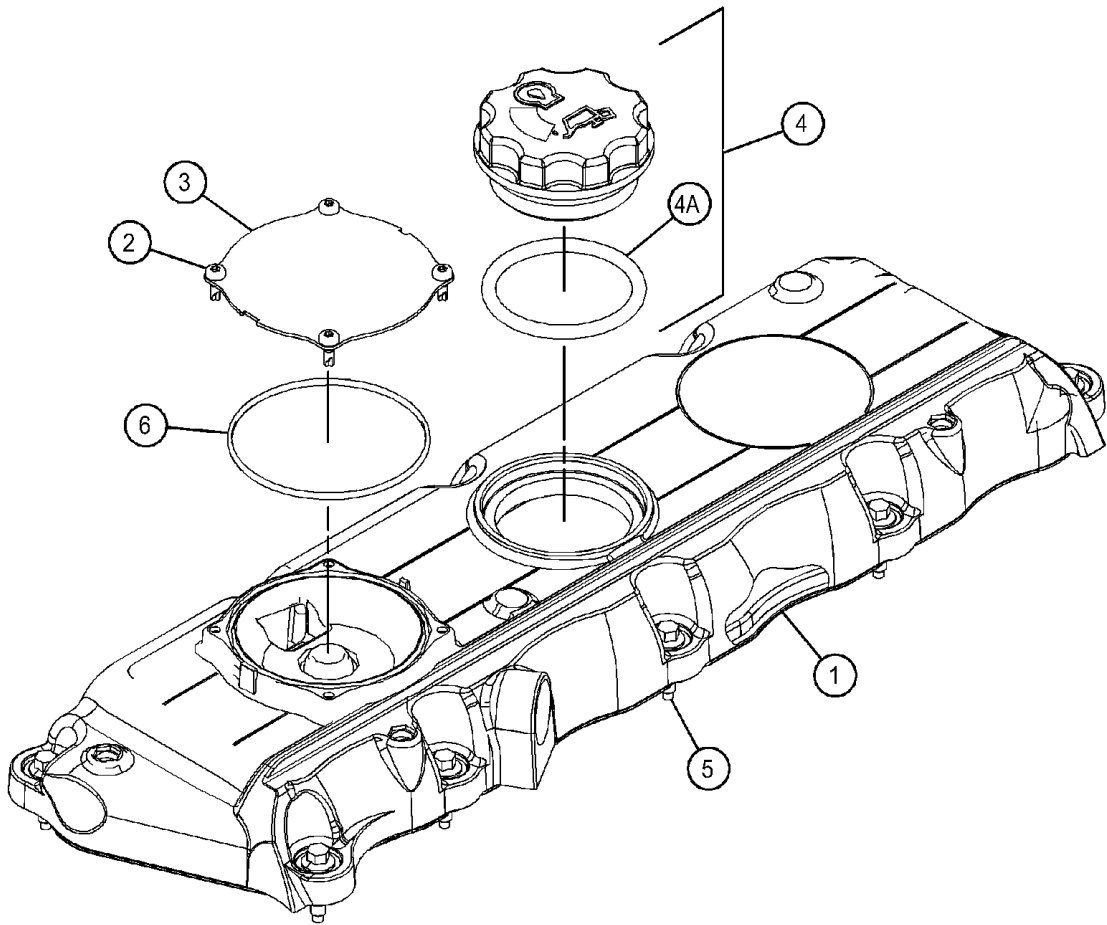


| Ref. | Part number | Description  | Qty | Code | Group page |
|------|-------------|--------------|-----|------|------------|
| 1    | 067-6095    | ROD          | 8   |      |            |
| 2    | 464-6253    | LIFTER-VALVE | 8   |      |            |
| 3    | 350-2374    | CAMSHAFT AS  | 1   |      |            |
| 3A   | 067-6135    | KEY-WOODRUFF | 1   |      |            |

446-9163 COVER GP-CYLINDER HEAD

446-9163 COVER GP-CYLINDER HEAD S/N CST1-UP PART OF 230-9150, 460-0449 COVER GP-VALVE MECHANISM

Drawing 1 of 1

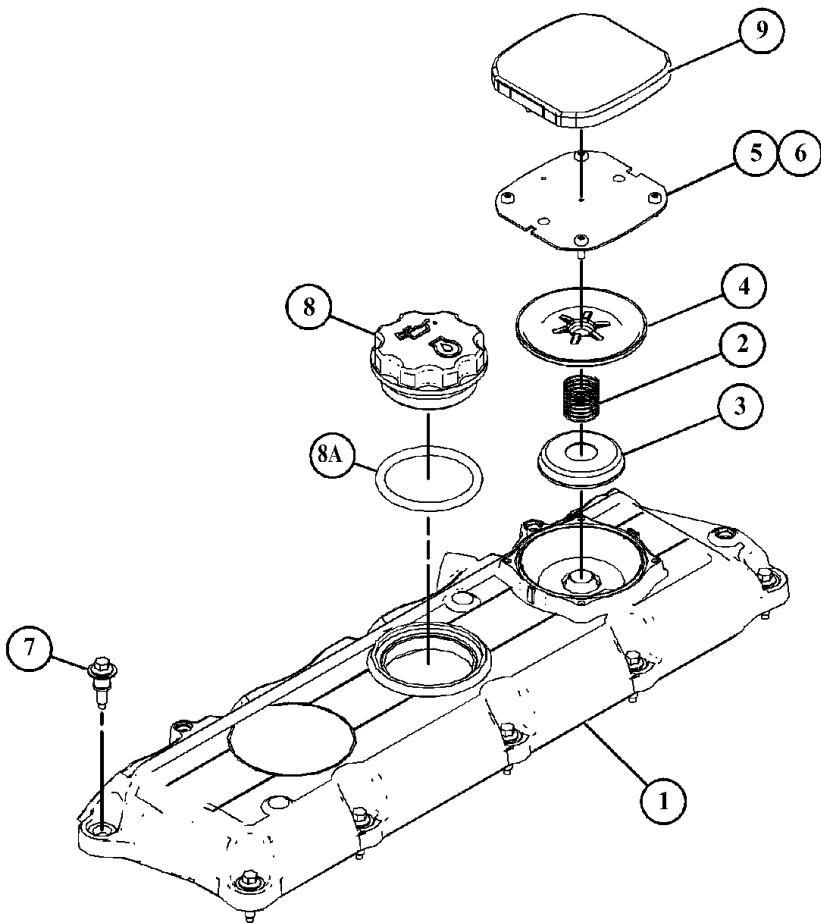


| Ref. | Part number | Description                | Qty | Code | Group page |
|------|-------------|----------------------------|-----|------|------------|
| 1    | 225-6451    | GASKET (VALVE COVER)       | 1   |      |            |
| 2    | 225-6478    | SCREW-MACHINE              | 4   |      |            |
| 3    | 431-1704    | PLATE                      | 1   |      |            |
| 4    | 136-3608    | CAP AS (ENGINE OIL FILLER) | 1   |      |            |
| 4A   | 124-0506    | SEAL                       | 1   |      |            |
| 5    | 349-2746    | BOLT                       | 10  |      |            |
| 6    | 292-9008    | SEAL                       | 1   |      |            |

521-8086 COVER GP-CYLINDER HEAD

521-8086 COVER GP-CYLINDER HEAD S/N CST1-UP PART OF 460-0449 COVER GP-VALVE MECHANISM

Drawing 1 of 1

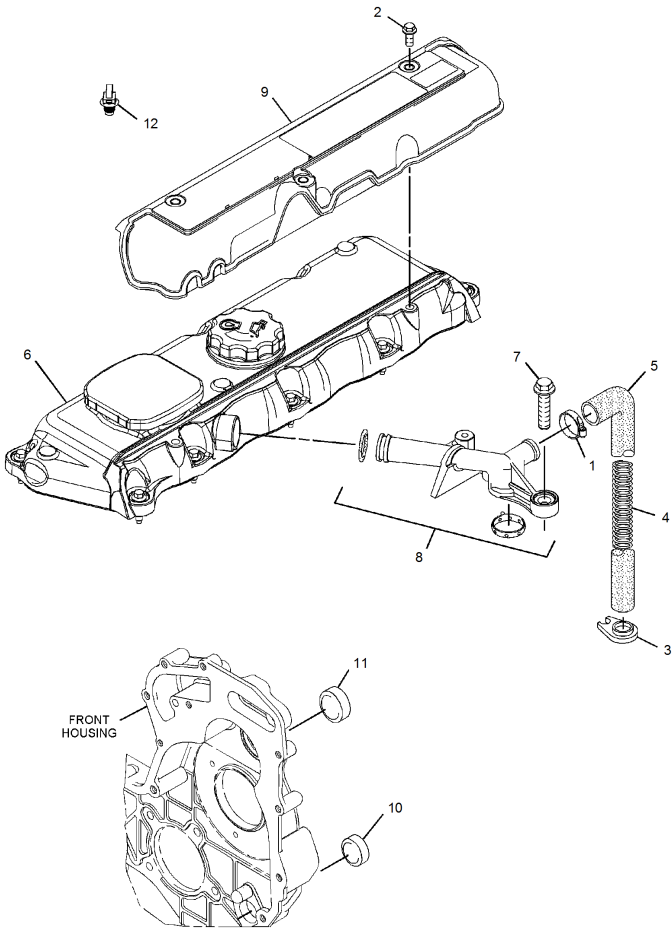


| Ref. | Part number | Description                              | Qty | Code | Group page |
|------|-------------|------------------------------------------|-----|------|------------|
| 1    | 225-6451    | GASKET (VALVE COVER)                     | 1   |      |            |
| 2    | 225-6456    | SPRING                                   | 1   |      |            |
| 3    | 225-6461    | CAP                                      | 1   |      |            |
| 4    | 225-6464    | DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR) | 1   |      |            |
| 5    | 225-6477    | PLATE                                    | 1   |      |            |
| 6    | 225-6478    | SCREW-MACHINE                            | 4   |      |            |
| 7    | 349-2746    | BOLT                                     | 10  |      |            |
| 8    | 136-3608    | CAP AS (ENGINE OIL FILLER)               | 1   |      |            |
| 8A   | 124-0506    | SEAL                                     | 1   |      |            |
| 9    | 225-6479    | CAP                                      | 1   |      |            |

230-9150 COVER GP-VALVE MECHANISM

230-9150 COVER GP-VALVE MECHANISM S/N CST1-UP PART OF 391-6308 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



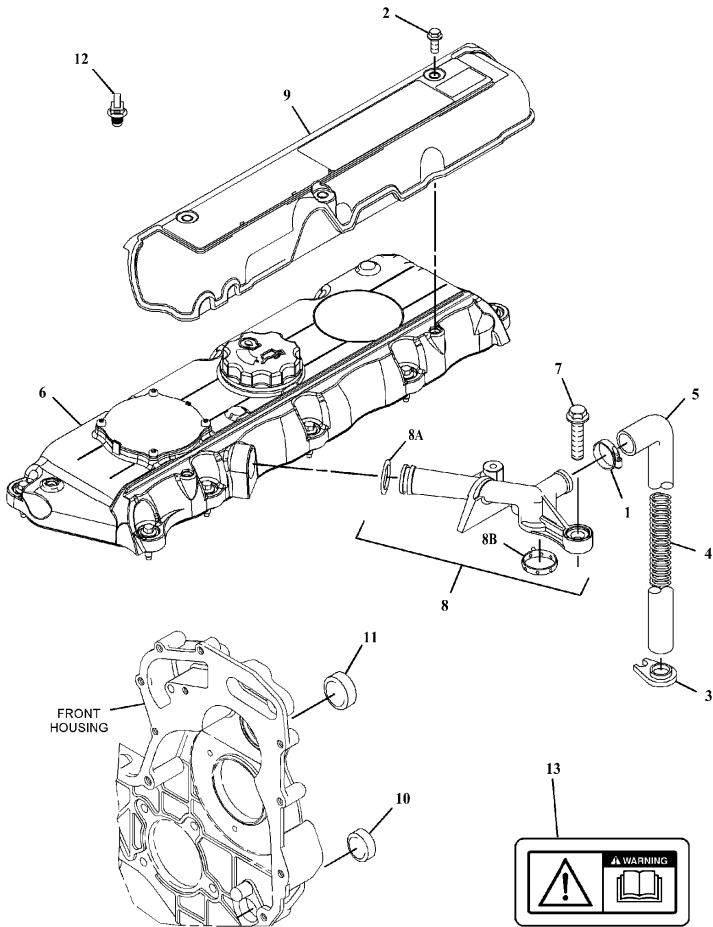
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 5D-1026     | CLAMP-BAND                       | 1   |      |            |
| 2    | 6I-0846     | BOLT (M6X1X14-MM)                | 3   | M    |            |
| 3    | 7C-1281     | BRACKET                          | 1   |      |            |
| 4    | 162-1565    | SPRING (CRANKCASE BREATHER HOSE) | 1   |      |            |
| 5    | 198-9169    | HOSE (CRANKCASE BREATHER)        | 1   |      |            |
| 6    | 308-1393    | COVER GP-VALVE MECHANISM         | 1   | Y    |            |
| 7    | 100-4838    | BOLT (M6X1X20-MM)                | 2   | M    |            |
| 8    | 287-8573    | PIPE AS                          | 1   |      |            |
| 9    | 230-9127    | COVER                            | 1   |      |            |
| 10   | 225-6524    | PLUG-CUP                         | 1   |      |            |
| 11   | 225-6522    | PLUG-CUP                         | 1   |      |            |
| 12   | 217-9039    | STRAP-CABLE                      | 1   |      |            |

CAT codes: M, R, Y.

230-9150 COVER GP-VALVE MECHANISM

230-9150 COVER GP-VALVE MECHANISM S/N CST1-UP PART OF 391-6308 ENGINE AR-PRIMARY Type 2

Drawing 1 of 1



| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 5D-1026     | CLAMP-BAND                       | 1   |      |            |
| 2    | 6I-0846     | BOLT (M6X1X14-MM)                | 3   | M    |            |
| 3    | 7C-1281     | BRACKET                          | 1   |      |            |
| 4    | 162-1565    | SPRING (CRANKCASE BREATHER HOSE) | 1   |      |            |
| 5    | 198-9169    | HOSE (CRANKCASE BREATHER)        | 1   |      |            |
| 6    | 446-9163    | COVER GP-CYLINDER HEAD           | 1   | CY   |            |
| 7    | 100-4838    | BOLT (M6X1X20-MM)                | 2   | M    |            |
| 8    | 287-8573    | PIPE AS                          | 1   |      |            |
| 8A   | 150-7732    | SEAL-O-RING                      | 1   |      |            |
| 8B   | 286-3030    | RING-SEAL                        | 1   |      |            |
| 9    | 230-9127    | COVER                            | 1   |      |            |
| 10   | 225-6524    | PLUG-CUP                         | 1   |      |            |

230-9150 COVER GP-VALVE MECHANISM (continued)

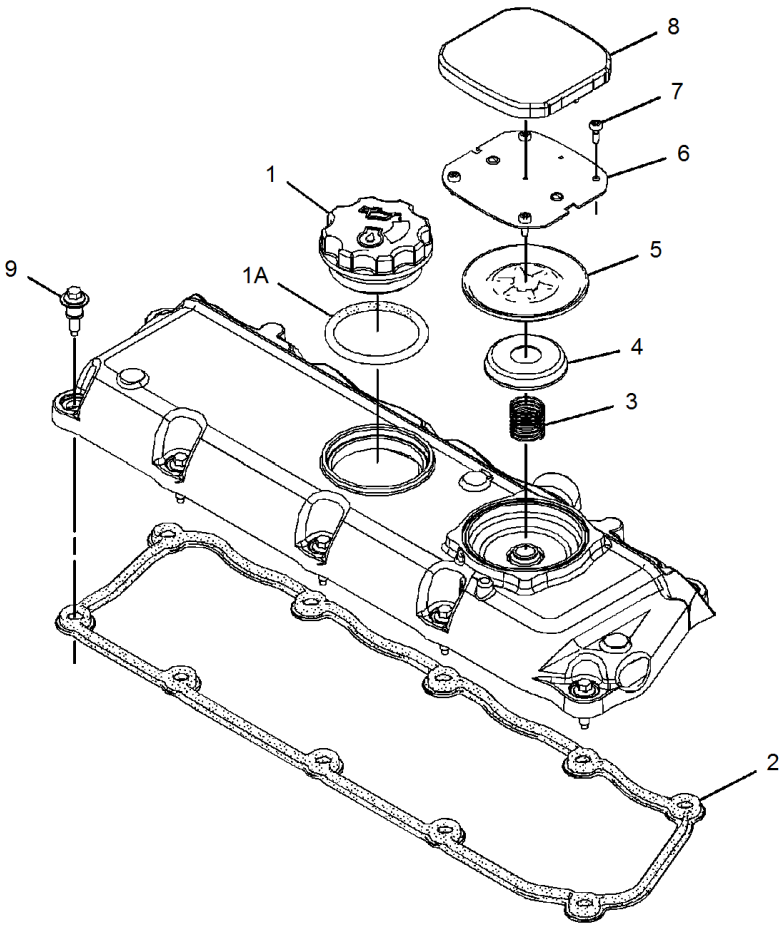
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 11   | 225-6522    | PLUG-CUP                         | 1   |      |            |
| 12   | 217-9039    | STRAP-CABLE                      | 1   |      |            |
| 13   | 346-8219    | FILM-WARNING (UNIVERSAL WARNING) | 1   |      |            |

CAT codes: C, M, R, Y.

308-1393 COVER GP-VALVE MECHANISM

308-1393 COVER GP-VALVE MECHANISM S/N CST1-UP PART OF 230-9150 COVER GP-VALVE MECHANISM

Drawing 1 of 1

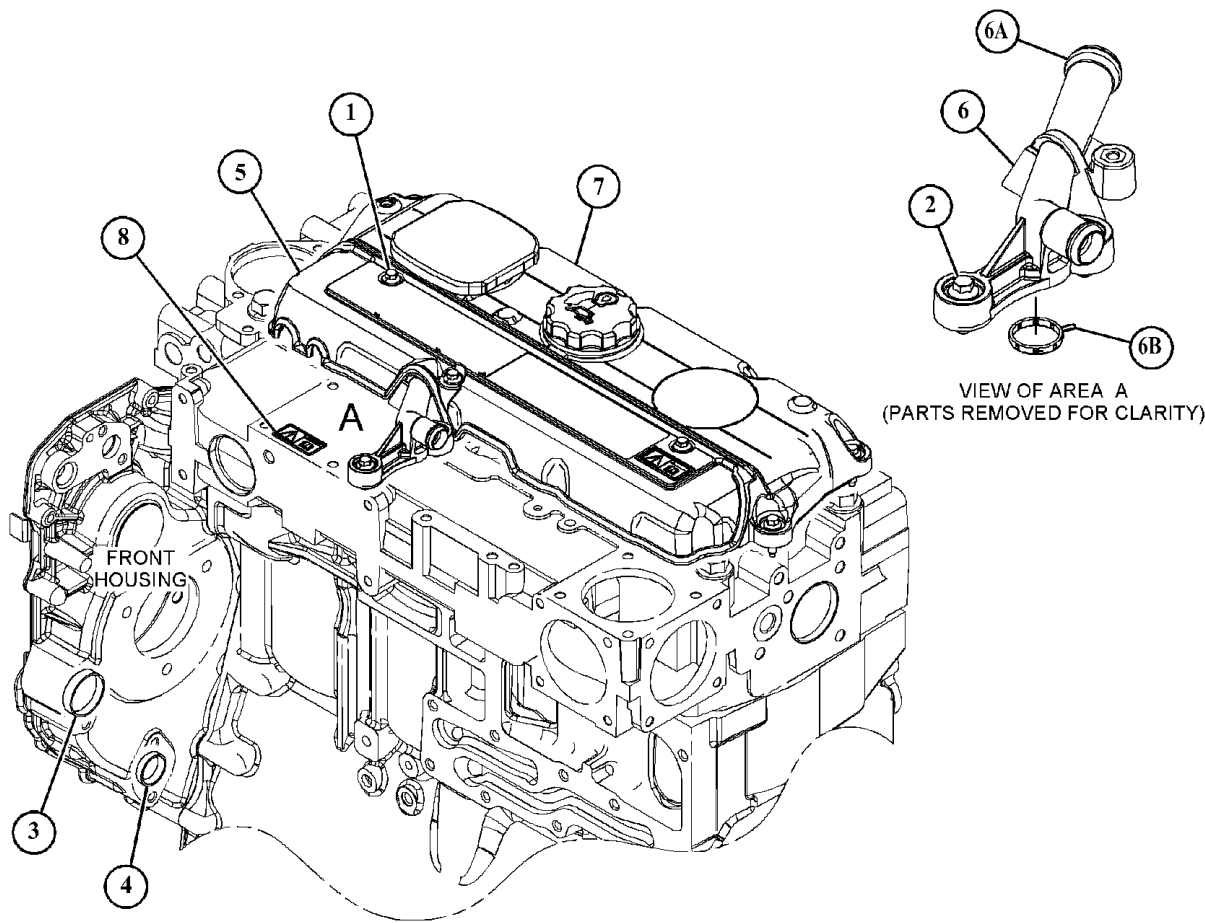


| Ref. | Part number | Description                              | Qty | Code | Group page |
|------|-------------|------------------------------------------|-----|------|------------|
| 1    | 136-3608    | CAP AS (ENGINE OIL FILLER)               | 1   |      |            |
| 1A   | 124-0506    | SEAL                                     | 1   |      |            |
| 2    | 225-6451    | GASKET (VALVE COVER)                     | 1   |      |            |
| 3    | 225-6456    | SPRING                                   | 1   |      |            |
| 4    | 225-6461    | CAP                                      | 1   |      |            |
| 5    | 225-6464    | DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR) | 1   |      |            |
| 6    | 225-6477    | PLATE                                    | 1   |      |            |
| 7    | 225-6478    | SCREW-MACHINE                            | 4   |      |            |
| 8    | 225-6479    | CAP                                      | 1   |      |            |
| 9    | 349-2746    | BOLT                                     | 1   |      |            |

460-0449 COVER GP-VALVE MECHANISM

460-0449 COVER GP-VALVE MECHANISM S/N CST1-UP PART OF 391-6308 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 6I-0846     | BOLT (M6X1X14-MM)                | 3   | M    |            |
| 2    | 100-4838    | BOLT (M6X1X20-MM)                | 2   | M    |            |
| 3    | 225-6522    | PLUG-CUP                         | 1   |      |            |
| 4    | 225-6524    | PLUG-CUP                         | 1   |      |            |
| 5    | 230-9127    | COVER                            | 1   |      |            |
| 6    | 287-8573    | PIPE AS                          | 1   |      |            |
| 6A   | 150-7732    | SEAL-O-RING                      | 1   |      |            |
| 6B   | 286-3030    | RING-SEAL                        | 1   |      |            |
| 7    | 446-9163    | COVER GP-CYLINDER HEAD           | 1   | Y    |            |
| 8    | 346-8219    | FILM-WARNING (UNIVERSAL WARNING) | 1   |      |            |

CAT codes: M, R, Y.

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