

# CATERPILLAR 320D2 GC

NBH / SEBP7477

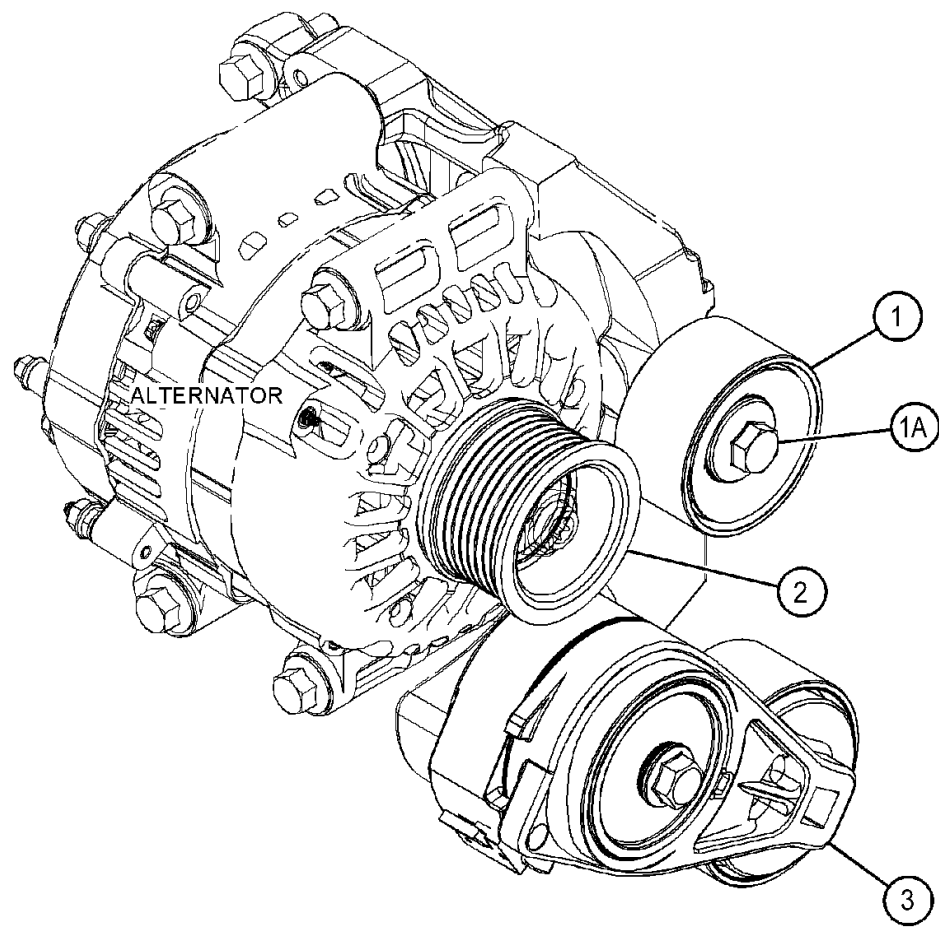
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416-1046 BELT TENSIONER GP

416-1046 BELT TENSIONER GP S/N 2W21-UP PART OF 478-5231 ENGINE AR-PRIMARY

Drawing 1 of 1



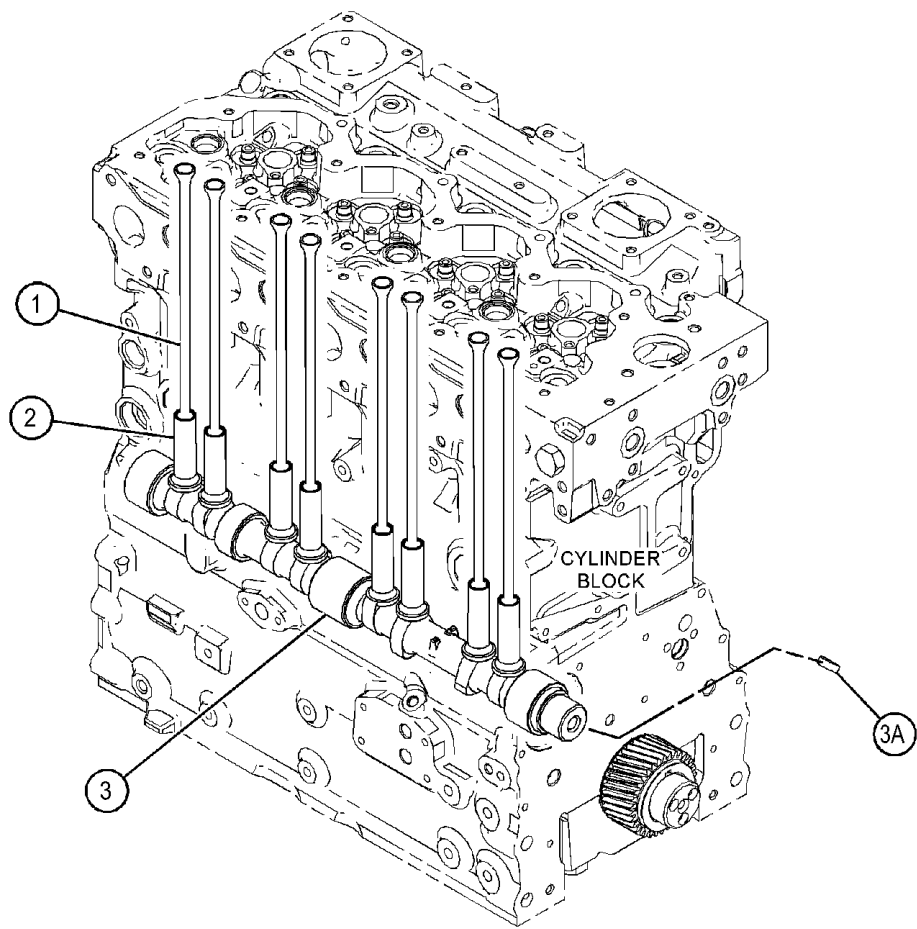
| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 261-0428    | PULLEY AS-IDLER      | 1   |      |            |
| 1A   | 307-2242    | BOLT (M10X1.5X45-MM) | 1   | M    |            |
| 2    | 321-6131    | PULLEY (8-GROOVE)    | 1   |      |            |
| 3    | 369-1255    | TENSIONER            | 1   |      |            |

CAT codes: M.

435-7778 CAMSHAFT GP

435-7778 CAMSHAFT GP S/N 2W21-UP PART OF 478-5231 ENGINE AR-PRIMARY

Drawing 1 of 1

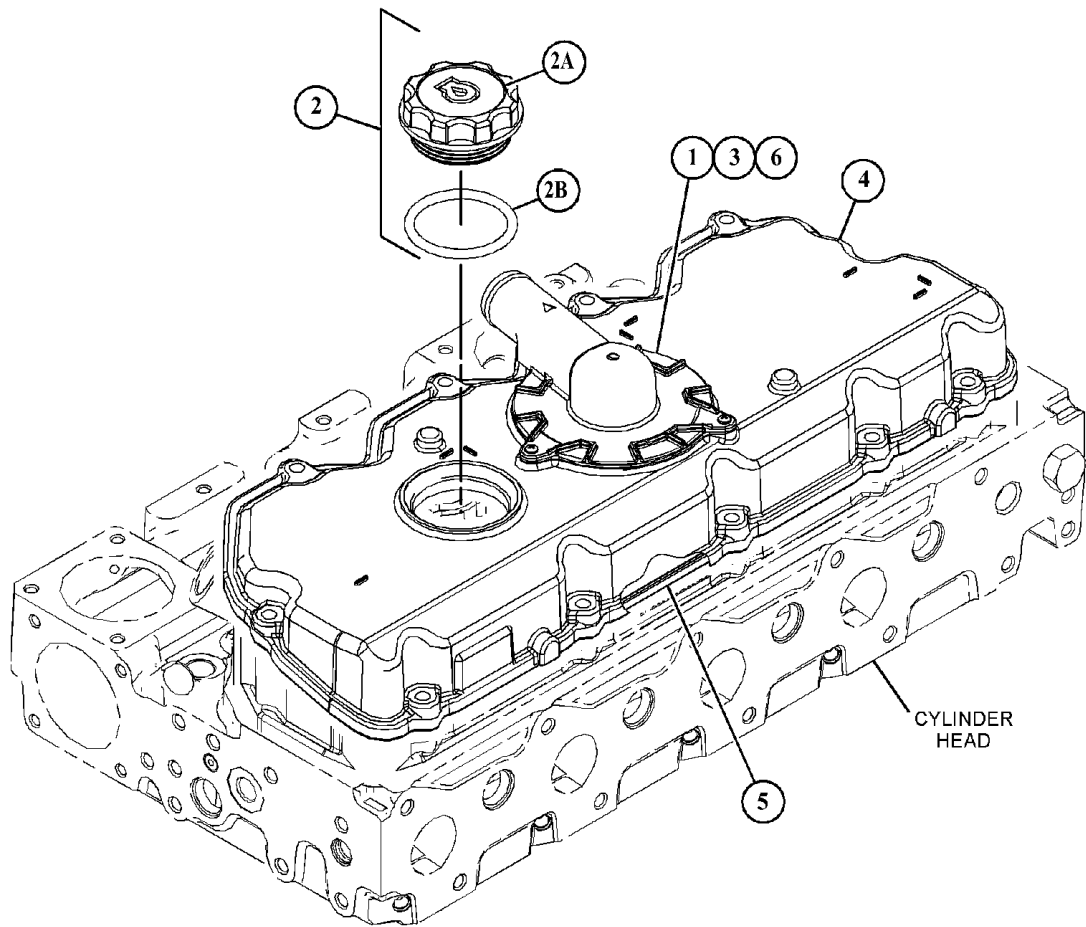


| Ref. | Part number | Description  | Qty | Code | Group page |
|------|-------------|--------------|-----|------|------------|
| 1    | 278-5126    | PUSHROD      | 8   |      |            |
| 2    | 315-3384    | TAPPET       | 8   |      |            |
| 3    | 454-0683    | CAMSHAFT GP  | 1   |      |            |
| 3A   | 067-6135    | KEY-WOODRUFF | 1   |      |            |

# 392-9460 COVER GP-VALVE MECHANISM

392-9460 COVER GP-VALVE MECHANISM S/N 2W21-UP PART OF 418-6381 COVER GP-VALVE MECHANISM

Drawing 1 of 1



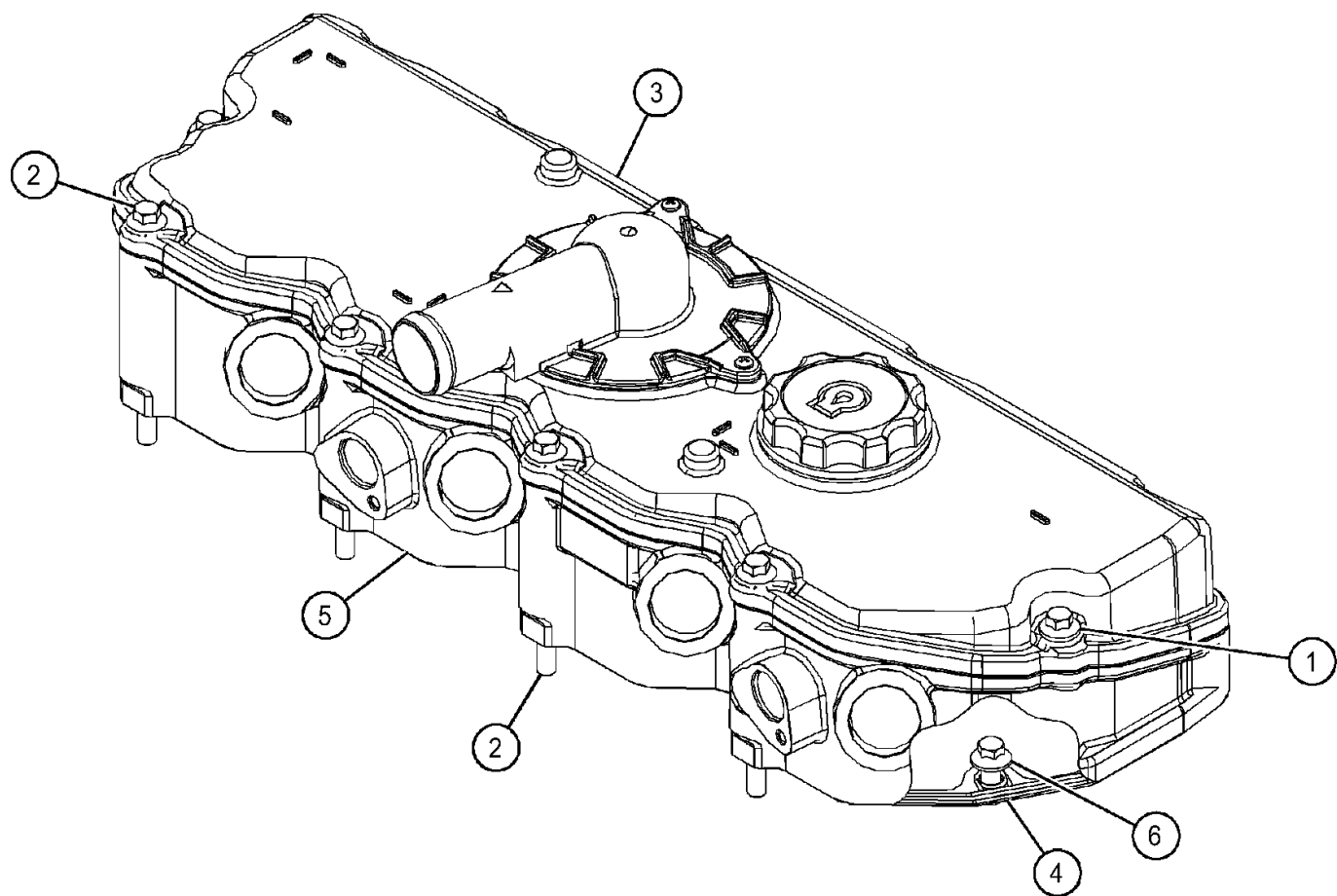
| Ref. | Part number | Description                              | Qty | Code | Group page |
|------|-------------|------------------------------------------|-----|------|------------|
| 1    | 195-9245    | SCREW (M4X0.7X10-MM)                     | 3   | M    |            |
| 2    | 369-3869    | CAP AS-ENGINE OIL FILLER                 | 1   |      |            |
| 2A   | 357-0147    | FILM-IDENTIFICATION (OIL FILL, READ OMM) | 1   |      |            |
| 2B   | 124-0506    | SEAL                                     | 1   |      |            |
| 3    | 380-9615    | BREATHER                                 | 1   |      |            |
| 4    | 392-9459    | COVER-VALVE MECHANISM                    | 1   |      |            |
| 5    | 474-0599    | SEAL                                     | 1   |      |            |
| 6    | 326-7289    | SEAL-O-RING                              | 1   |      |            |

CAT codes: M.

418-6381 COVER GP-VALVE MECHANISM

418-6381 COVER GP-VALVE MECHANISM S/N 2W21-UP PART OF 478-5231 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



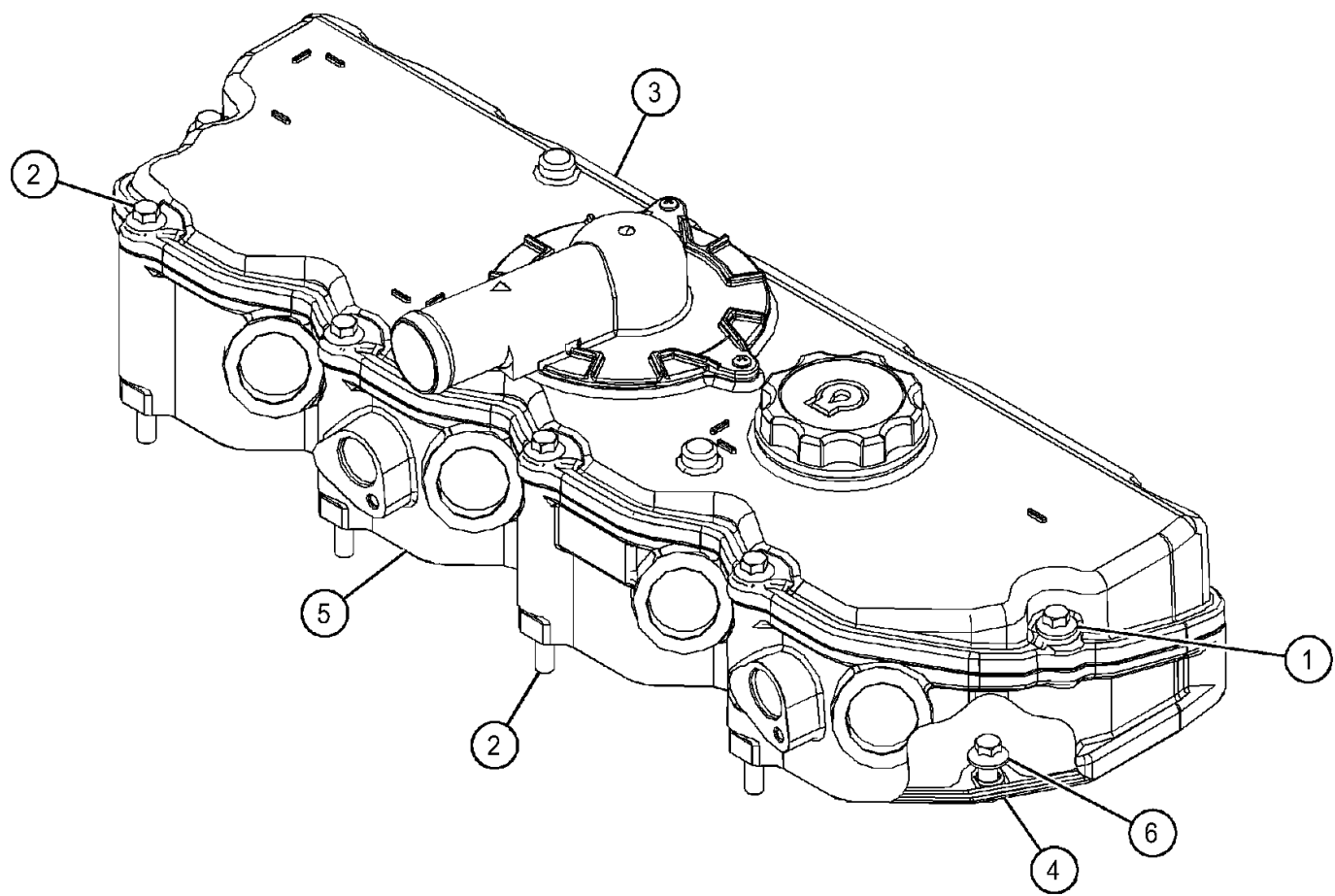
| Ref. | Part number | Description              | Qty | Code | Group page |
|------|-------------|--------------------------|-----|------|------------|
| 1    | 101-3895    | BOLT (M8X1.25X35-MM)     | 7   | M    |            |
| 2    | 103-5705    | BOLT (M8X1.25X110-MM)    | 4   | M    |            |
| 3    | 392-9460    | COVER GP-VALVE MECHANISM | 1   | Y    |            |
| 4    | 392-9472    | GASKET (VALVE COVER)     | 1   |      |            |
| 5    | 455-6923    | COVER-BASE               | 1   |      |            |
| 6    | 6I-0217     | BOLT (M8X1.25X20-MM)     | 10  | M    |            |

CAT codes: M, Y.

418-6381 COVER GP-VALVE MECHANISM

418-6381 COVER GP-VALVE MECHANISM S/N 2W21-UP PART OF 478-5231 ENGINE AR-PRIMARY Type 2

Drawing 1 of 1



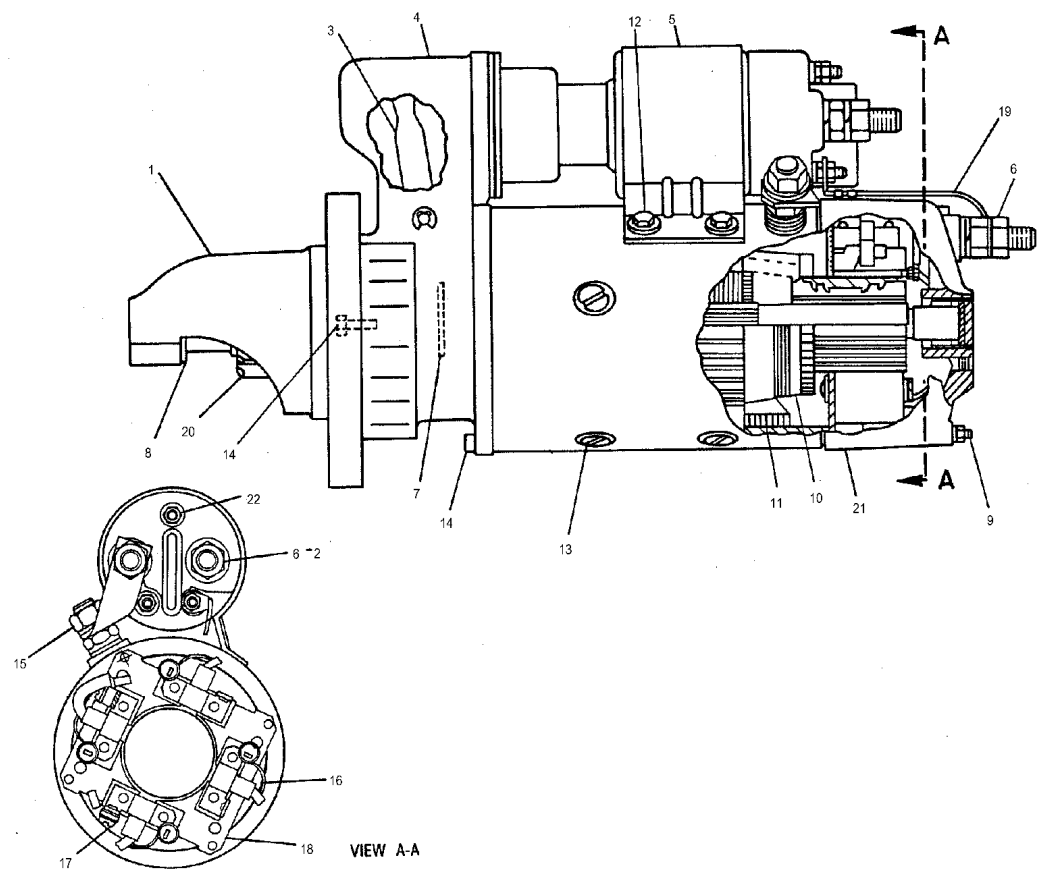
| Ref. | Part number | Description              | Qty | Code | Group page |
|------|-------------|--------------------------|-----|------|------------|
| 1    | 101-3895    | BOLT (M8X1.25X35-MM)     | 7   | M    |            |
| 2    | 103-5705    | BOLT (M8X1.25X110-MM)    | 4   | M    |            |
| 3    | 571-1821    | COVER GP-VALVE MECHANISM | 1   | CY   |            |
| 4    | 392-9472    | GASKET (VALVE COVER)     | 1   |      |            |
| 5    | 455-6923    | COVER-BASE               | 1   |      |            |
| 6    | 6I-0217     | BOLT (M8X1.25X20-MM)     | 10  | M    |            |

CAT codes: C, M, Y.

571-1821 COVER GP-VALVE MECHANISM

571-1821 COVER GP-VALVE MECHANISM S/N 2W21-UP PART OF 418-6381 COVER GP-VALVE MECHANISM

Drawing 1 of 1



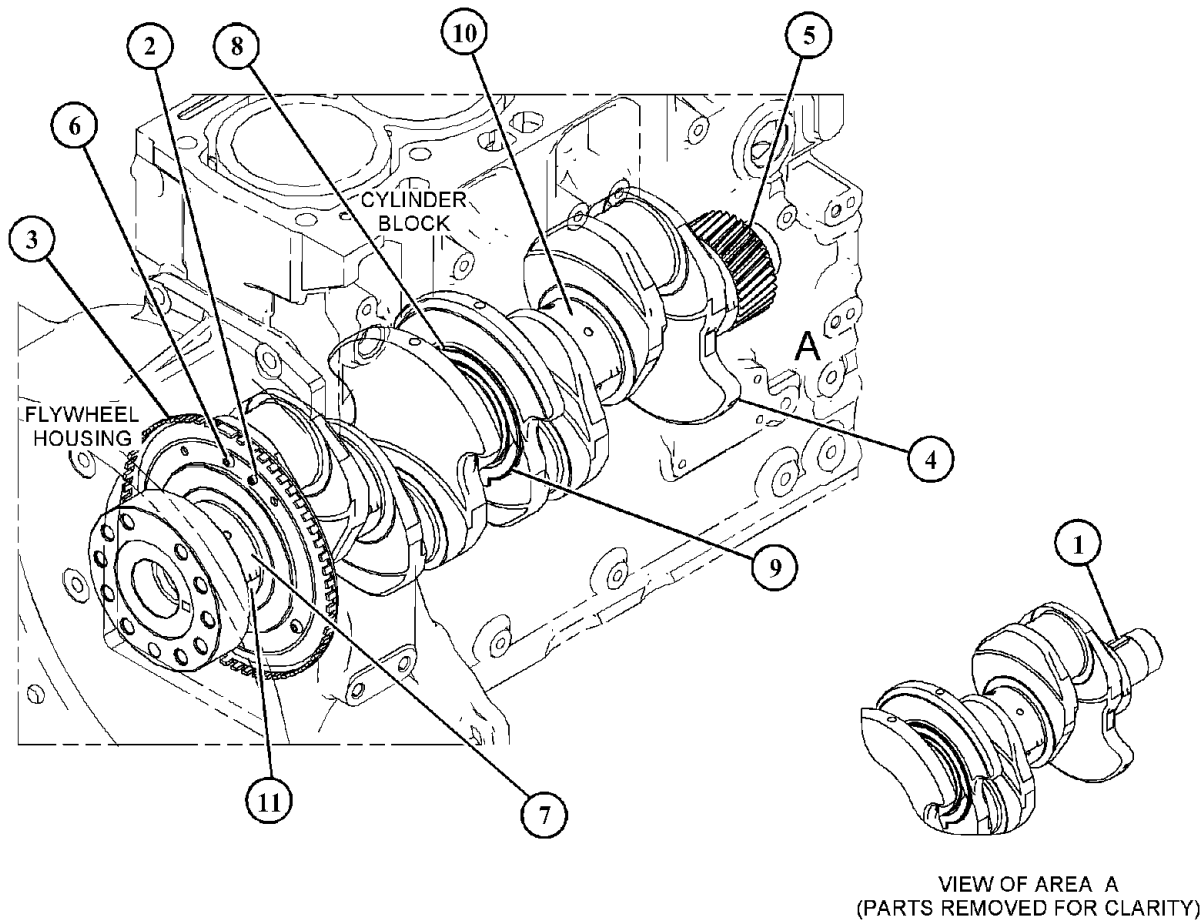
| Ref. | Part number | Description                              | Qty | Code | Group page |
|------|-------------|------------------------------------------|-----|------|------------|
| 1    | 195-9245    | SCREW (M4X0.7X10-MM)                     | 3   | M    |            |
| 2    | 369-3869    | CAP AS-ENGINE OIL FILLER                 | 1   |      |            |
| 2A   | 357-0147    | FILM-IDENTIFICATION (OIL FILL, READ OMM) | 1   |      |            |
| 2B   | 124-0506    | SEAL                                     | 1   |      |            |
| 3    | 380-9615    | BREATHER                                 | 1   |      |            |
| 4    | 326-7289    | SEAL-O-RING                              | 1   |      |            |
| 5    | 474-0599    | SEAL                                     | 1   |      |            |

CAT codes: M.

433-6323 CRANKSHAFT GP

433-6323 CRANKSHAFT GP S/N 2W21-UP PART OF 452-7386 CYLINDER BLOCK GP-SHORT, 478-5231 ENGINE AR-PRIMARY

Drawing 1 of 1



| Ref.                     | Part number | Description                    | Qty | Code | Group page |
|--------------------------|-------------|--------------------------------|-----|------|------------|
| 1                        | 067-6135    | KEY-WOODRUFF (CRANKSHAFT)      | 1   |      |            |
| 2                        | 339-8780    | DOWEL                          | 1   |      |            |
| 3                        | 341-4028    | RING-TIMING                    | 1   |      |            |
| 4                        | 475-8373    | CRANKSHAFT GP                  | 1   |      |            |
|                          | 455-3693    | CRANKSHAFT                     | 1   |      |            |
| 5                        | 216-8314    | GEAR-CRANKSHAFT (34-TEETH)     | 1   |      |            |
| 6                        | 276-7394    | SCREW (M6X1XX12-MM)            | 3   | M    |            |
| 7                        | 470-7971    | BEARING (STANDARD-UPPER)       | 1   | CJ   |            |
| 8                        | 470-7995    | PLATE-THRUST (STANDARD)(UPPER) | 2   | CLP  |            |
| 9                        | 470-8021    | PLATE-THRUST (STANDARD)(LOWER) | 2   | CLP  |            |
| 10                       | 470-8023    | BEARING (STANDARD-UPPER)       | 4   | C    |            |
| 11                       | 470-8031    | BEARING (STANDARD-LOWER)       | 5   | CJ   |            |
| AVAILABLE REPAIR KIT(S): |             |                                |     |      |            |
|                          | 518-5437    | KIT-BEARING (STANDARD)         | 1   | J    |            |

433-6323 CRANKSHAFT GP (continued)

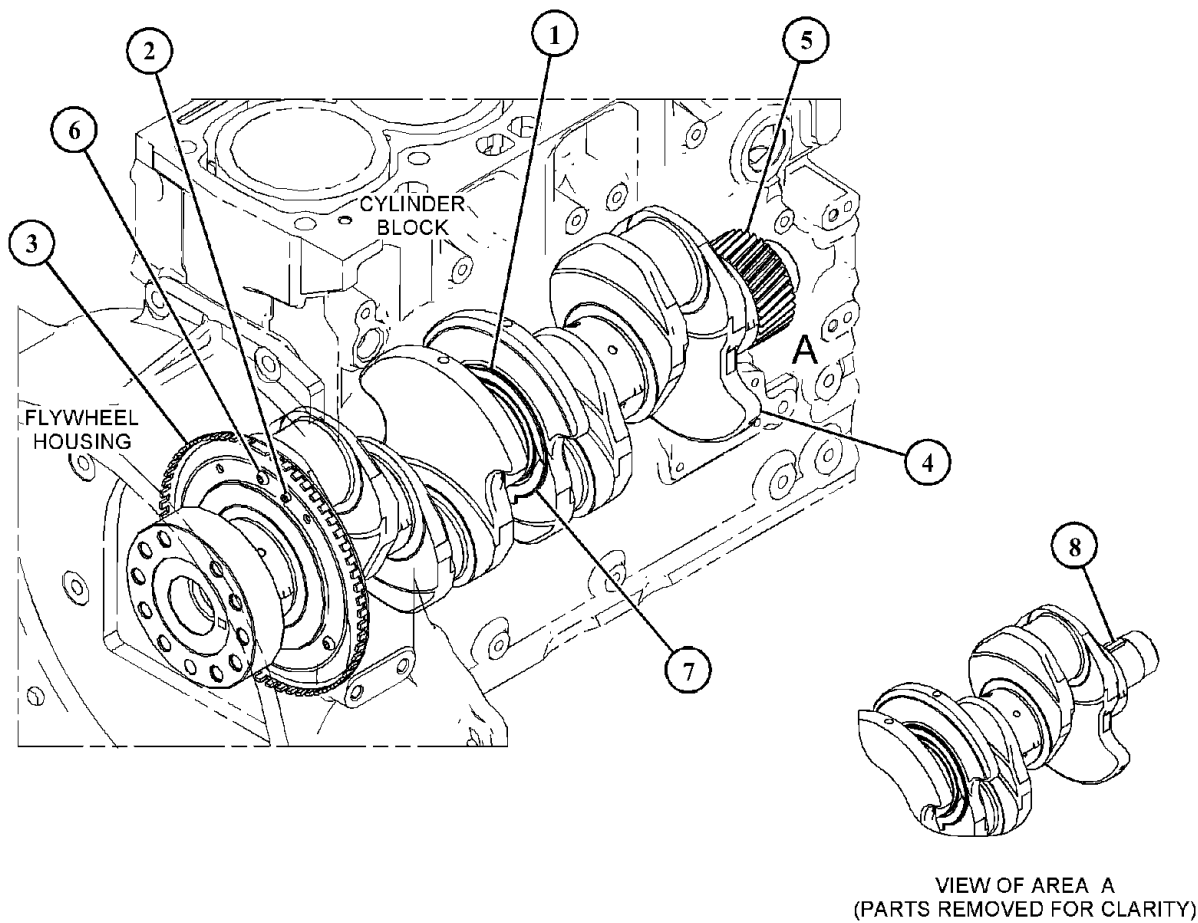
| Ref.                | Part number | Description                        | Qty. | Code | Group page |
|---------------------|-------------|------------------------------------|------|------|------------|
| (INCLUDES BEARINGS) |             |                                    |      |      |            |
|                     | 518-5440    | KIT-BEARING (0.254-MM US)          |      | AB   |            |
| (INCLUDES BEARINGS) |             |                                    |      |      |            |
|                     | 518-5441    | KIT-BEARING (0.508-MM US)          |      | AB   |            |
| (INCLUDES BEARINGS) |             |                                    |      |      |            |
|                     | 518-5885    | KIT-BEARING (0.762-MM US)          |      | AB   |            |
| (INCLUDES BEARINGS) |             |                                    |      |      |            |
|                     | 518-5891    | KIT-WASHER (STANDARD)              | 1    | P    |            |
| (INCLUDES WASHERS)  |             |                                    |      |      |            |
|                     | 518-5892    | KIT-WASHER (0.191-MM US)           |      | AB   |            |
| (INCLUDES WASHERS)  |             |                                    |      |      |            |
|                     | 518-5893    | KIT-WASHER (STANDARD, 0.191-MM US) |      | ABL  |            |
| (INCLUDES WASHERS)  |             |                                    |      |      |            |

CAT codes: A, B, C, J, L, M, P.

433-6323 CRANKSHAFT GP

433-6323 CRANKSHAFT GP S/N 2W21-UP PART OF 478-5231 ENGINE AR-PRIMARY

Drawing 1 of 1



| Ref. | Part number | Description                       | Qty | Code | Group page |
|------|-------------|-----------------------------------|-----|------|------------|
| 1    | 032-9090    | WASHER-THRUST (STANDARD-UPPER)(S) | 2   |      |            |
| 2    | 339-8780    | DOWEL                             | 1   |      |            |
| 3    | 341-4028    | RING-TIMING                       | 1   |      |            |
| 4    | 475-8373    | CRANKSHAFT GP                     | 1   | C    |            |
|      | 455-3693    | CRANKSHAFT                        | 1   |      |            |
| 5    | 216-8314    | GEAR-CRANKSHAFT (34-TEETH)        | 1   |      |            |
| 6    | 276-7394    | SCREW (M6X1XX12-MM)               | 3   | M    |            |
| 7    | 032-9091    | WASHER-THRUST (STANDARD-LOWER)    | 2   |      |            |
| 8    | 067-6135    | KEY-WOODRUFF (CRANKSHAFT)         | 1   |      |            |

CAT codes: C, M.

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