

# CATERPILLAR 815B

17Z / SEBP1342

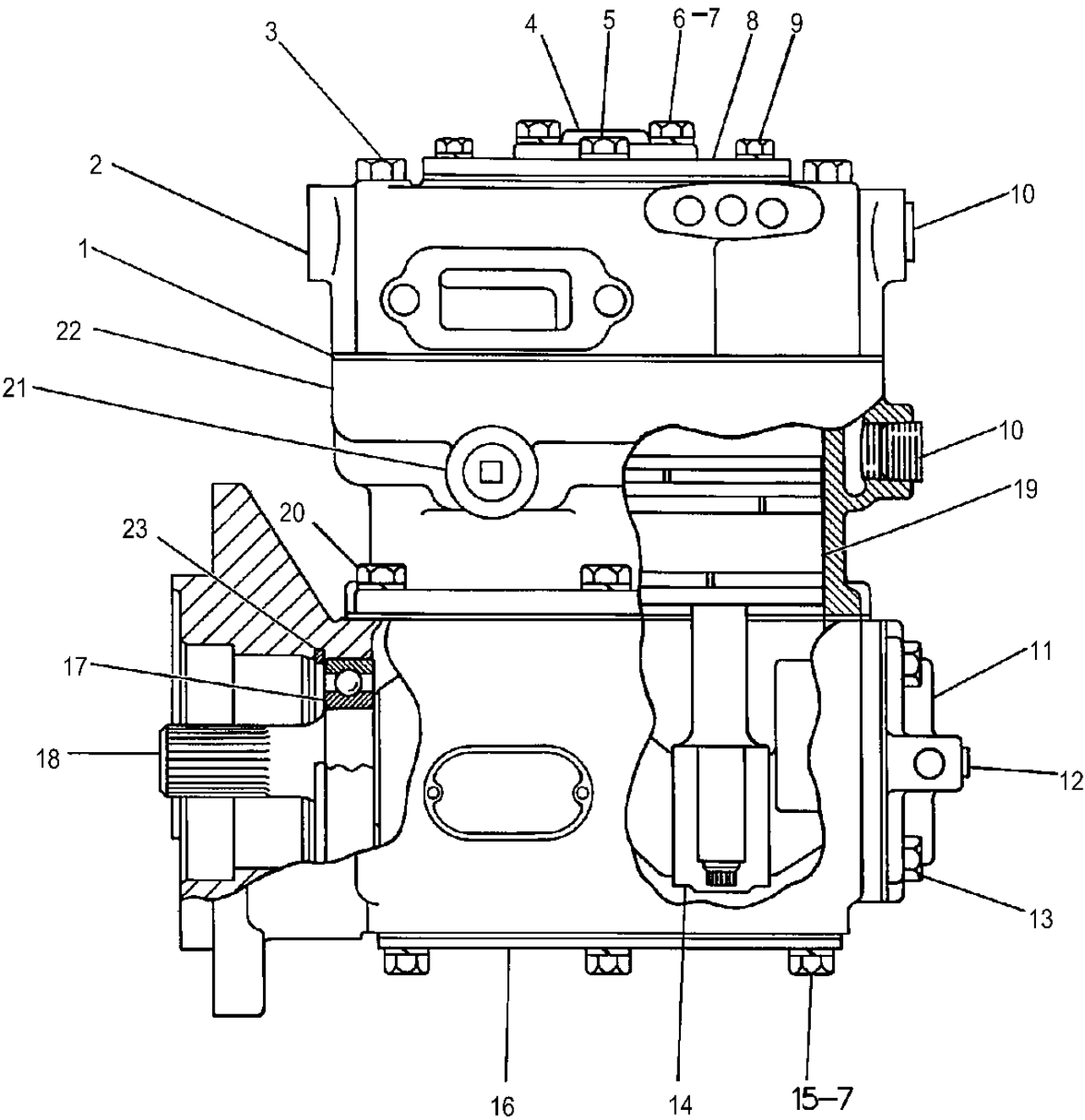
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1W-7146 AIR COMPRESSOR GP

1W-7146 AIR COMPRESSOR GP S/N 08Z7486-59756 PART OF 7N-5642 AIR COMPRESSOR GP

Drawing 1 of 1



| Ref. | Part number | Description        | Qty | Code | Group page |
|------|-------------|--------------------|-----|------|------------|
| 1    | 7N-7448     | GASKET             | 1   |      |            |
| 2    | 7N-7447     | HEAD AS-COMPRESSOR | 1   |      |            |
| 3    | 0S-1619     | BOLT (3/8-16X3-IN) | 5   |      |            |
| 4    | 7N-7449     | ADAPTER            | 1   |      |            |
|      | 1S-7107     | GASKET             | 1   |      |            |

**1W-7146 AIR COMPRESSOR GP** (continued)

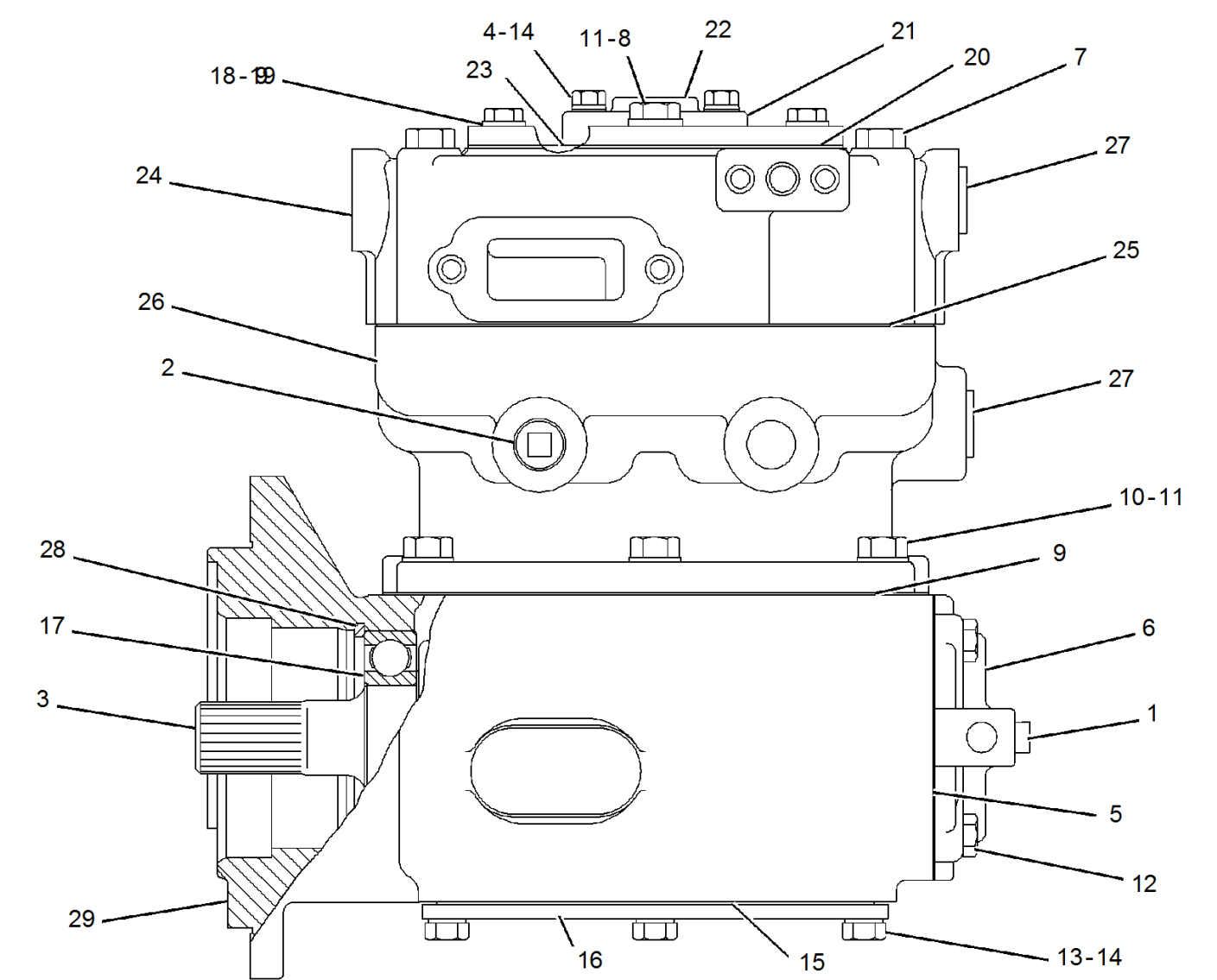
| Ref.                                                                 | Part number | Description                        | Qty | Code | Group page |
|----------------------------------------------------------------------|-------------|------------------------------------|-----|------|------------|
| 5                                                                    | 0L-1352     | BOLT (3/8-16X3.25-IN)              | 1   |      |            |
|                                                                      | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 1   |      |            |
| 6                                                                    | 2B-2695     | BOLT (5/16-18X0.875-IN)            | 2   |      |            |
| 7                                                                    | 3B-4505     | LOCKWASHER                         | 8   |      |            |
| 8                                                                    | 7N-7450     | COVER-UNLOADER                     | 1   |      |            |
|                                                                      | 7N-7451     | GASKET-UNLOADER                    | 1   |      |            |
| 9                                                                    | 0S-1615     | BOLT (1/4-20X0.75-IN)              | 2   |      |            |
|                                                                      | 5P-0537     | WASHER-HARD (7.2X14.5X2-MM THK)    | 2   |      |            |
| 10                                                                   | 2B-0858     | PLUG-PIPE                          | 2   | C    |            |
| 11                                                                   | 7N-7441     | COVER-AIR COMPRESSOR               | 1   |      |            |
|                                                                      | 7N-7442     | GASKET                             | 1   |      |            |
| 12                                                                   | 9F-2247     | PLUG-PIPE (1/8-27-THD)             | 1   |      |            |
| 13                                                                   | 034-4160    | BOLT-LOCKING (5/16-18X1-IN)        | 4   |      |            |
| 14                                                                   | 7N-7444     | ROD AS                             | 2   |      |            |
| 15                                                                   | 0S-1617     | BOLT (5/16-18X0.75-IN)             | 6   |      |            |
| 16                                                                   | 7N-7439     | PLATE-COVER                        | 1   |      |            |
|                                                                      | 7N-7440     | GASKET                             | 1   |      |            |
| 17                                                                   | 8H-9789     | BALL BEARING                       | 2   |      |            |
| 18                                                                   | 7N-7438     | CRANKSHAFT-AIR COMPRESSOR          | 1   |      |            |
| 19                                                                   | 7N-7443     | PISTON AS-COMPRESSOR               | 2   |      |            |
| 20                                                                   | 1A-2029     | BOLT (3/8-16X1.125-IN)             | 6   |      |            |
|                                                                      | 3B-4506     | LOCKWASHER                         | 6   |      |            |
| 21                                                                   | 4B-4845     | PLUG                               | 1   |      |            |
| 22                                                                   | 7N-7445     | CYLINDER BLOCK                     | 1   |      |            |
|                                                                      | 7N-7446     | GASKET                             | 1   |      |            |
| 23                                                                   | 4W-9489     | RING-LOCK                          | 1   | C    |            |
| AVAILABLE REPAIR KIT(S):                                             |             |                                    |     |      |            |
|                                                                      | 7N-7435     | KIT-AIR COMPRESSOR (MAJOR REPAIR)  | 1   |      |            |
| (INCL STOPS, SPRINGS,SEATS, GUIDES, GASKETS,SEALS, BOLTS, & WASHERS) |             |                                    |     |      |            |
|                                                                      | 7N-7436     | KIT-PISTON RING                    | 1   |      |            |
| (INCL PISTON RINGS)                                                  |             |                                    |     |      |            |

CAT codes: C.

4P-2975 AIR COMPRESSOR GP

4P-2975 AIR COMPRESSOR GP S/N 08Z59757-UP PART OF 7N-5642 AIR COMPRESSOR GP

Drawing 1 of 1



| Ref. | Part number | Description             | Qty | Code | Group page |
|------|-------------|-------------------------|-----|------|------------|
| 1    | 8T-6757     | PLUG-PIPE               | 1   |      |            |
| 2    | 7X-7732     | PLUG-PIPE               | 1   |      |            |
| 3    | 4P-2974     | CRANKSHAFT AS           | 1   |      |            |
| 4    | 2B-2695     | BOLT (5/16-18X0.875-IN) | 2   |      |            |
| 5    | 7N-7442     | GASKET                  | 1   |      |            |
| 6    | 7N-7441     | COVER-AIR COMPRESSOR    | 1   |      |            |
| 7    | 0S-1619     | BOLT (3/8-16X3-IN)      | 5   |      |            |
| 8    | 0L-1352     | BOLT (3/8-16X3.25-IN)   | 1   |      |            |
| 9    | 7N-7446     | GASKET                  | 1   |      |            |

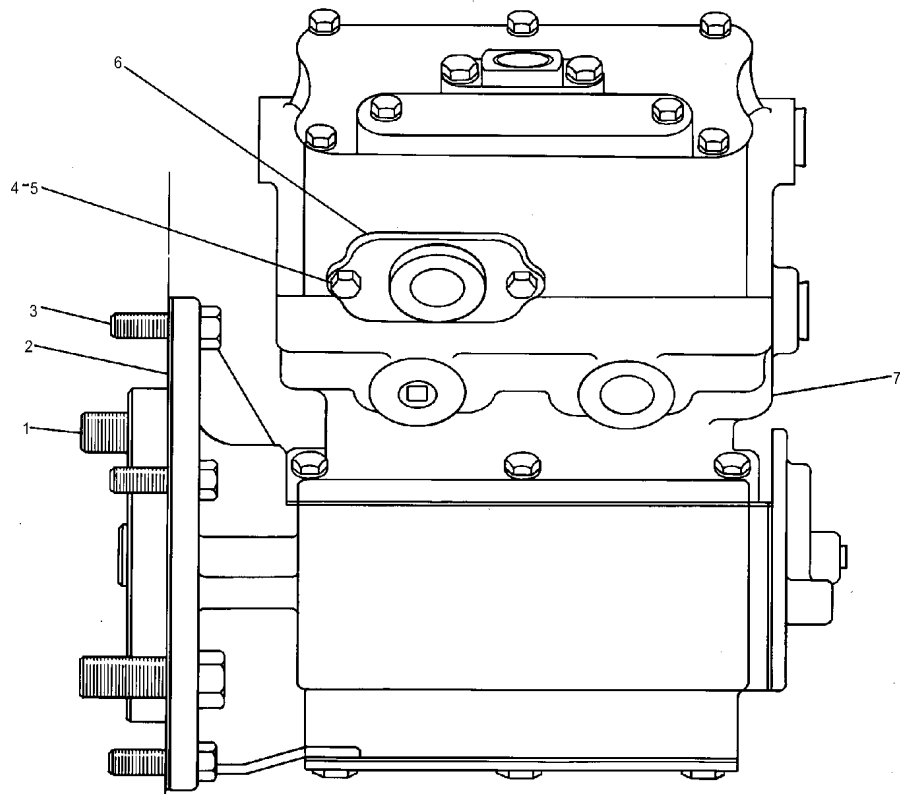
## 4P-2975 AIR COMPRESSOR GP (continued)

| Ref.                                                                                       | Part number | Description                        | Qty | Code | Group page |
|--------------------------------------------------------------------------------------------|-------------|------------------------------------|-----|------|------------|
| 10                                                                                         | 1A-2029     | BOLT (3/8-16X1.125-IN)             | 6   |      |            |
| 11                                                                                         | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 7   |      |            |
| 12                                                                                         | 034-4160    | BOLT-LOCKING (5/16-18X1-IN)        | 4   |      |            |
| 13                                                                                         | 0S-1617     | BOLT (5/16-18X0.75-IN)             | 6   |      |            |
| 14                                                                                         | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK)      | 8   |      |            |
| 15                                                                                         | 7N-7440     | GASKET                             | 1   |      |            |
| 16                                                                                         | 7N-7439     | PLATE-COVER                        | 1   |      |            |
| 17                                                                                         | 8H-9789     | BALL BEARING                       | 2   |      |            |
| 18                                                                                         | 0S-1615     | BOLT (1/4-20X0.75-IN)              | 2   |      |            |
| 19                                                                                         | 5P-0537     | WASHER-HARD (7.2X14.5X2-MM THK)    | 2   |      |            |
| 20                                                                                         | 7N-7451     | GASKET-UNLOADER                    | 1   |      |            |
| 21                                                                                         | 7N-7450     | COVER-UNLOADER                     | 1   |      |            |
| 22                                                                                         | 4W-9479     | MANIFOLD-EXHAUST                   | 1   |      |            |
| 23                                                                                         | 1S-7107     | GASKET                             | 1   |      |            |
| 24                                                                                         | 7N-7447     | HEAD AS-COMPRESSOR                 | 1   |      |            |
| 25                                                                                         | 7N-7448     | GASKET                             | 1   |      |            |
| 26                                                                                         | 7N-7445     | CYLINDER BLOCK                     | 1   |      |            |
| 27                                                                                         | 8T-6762     | PLUG-PIPE (1/2-14-THD)             | 2   |      |            |
| 28                                                                                         | 4W-9489     | RING-LOCK                          | 1   |      |            |
| 29                                                                                         | 1W-7147     | CRANKCASE-COMPRESSOR               | 1   |      |            |
| AVAILABLE REPAIR KIT(S):                                                                   |             |                                    |     |      |            |
|                                                                                            | 7N-7435     | KIT-AIR COMPRESSOR (MAJOR REPAIR)  | 1   |      |            |
| (INCLUDES VALVES, SEATS, BEARINGS, SPRINGS, GASKETS, COVER, SEALS, PINS, WASHERS & GUIDES) |             |                                    |     |      |            |
|                                                                                            | 144-0502    | KIT-PISTON RING (STANDARD)         | 1   |      |            |
| (INCLUDES PISTON RINGS & RING ENVELOPES)                                                   |             |                                    |     |      |            |
|                                                                                            | 144-0503    | KIT-PISTON & RING (STANDARD)       | 1   |      |            |
| (INCLUDES PISTON, RING KIT, PISTON PIN & PISTON PIN BUTTON)                                |             |                                    |     |      |            |
|                                                                                            | 138-2887    | KIT-ROD & BEARING                  | 1   |      |            |
| (INCLUDES ROD AS. & BEARING KIT .010 OD)                                                   |             |                                    |     |      |            |

7N-5642 AIR COMPRESSOR GP

7N-5642 AIR COMPRESSOR GP S/N 08Z3945-59756 PART OF 6N-5908, 9Y-4951 ENGINE AR

Drawing 1 of 1



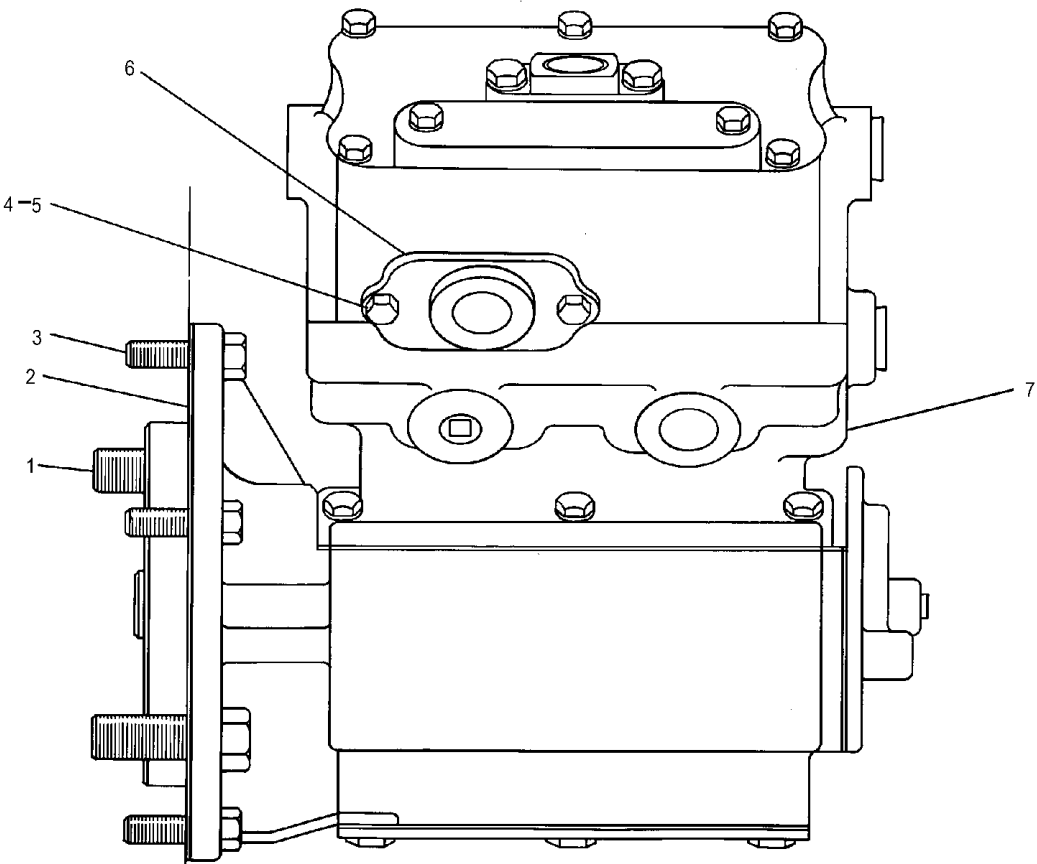
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 0S-1589     | BOLT (5/8-11X1.75-IN)         | 2   |      |            |
| 2    | 2P-0220     | GASKET-PUMP                   | 1   |      |            |
| 3    | 3B-1915     | BOLT (3/8-16X1.375-IN)        | 3   |      |            |
| 4    | 2B-2695     | BOLT (5/16-18X0.875-IN)       | 2   |      |            |
| 5    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 6    | 9M-0397     | ADAPTER                       | 1   |      |            |
|      | 8M-7065     | GASKET (AIR INLET)            | 1   |      |            |
| 7    | 1W-7146     | AIR COMPRESSOR GP             | 1   | CY   |            |

CAT codes: C, Y.

7N-5642 AIR COMPRESSOR GP

7N-5642 AIR COMPRESSOR GP S/N 08Z59757-UP PART OF 9Y-4951 ENGINE AR

Drawing 1 of 1



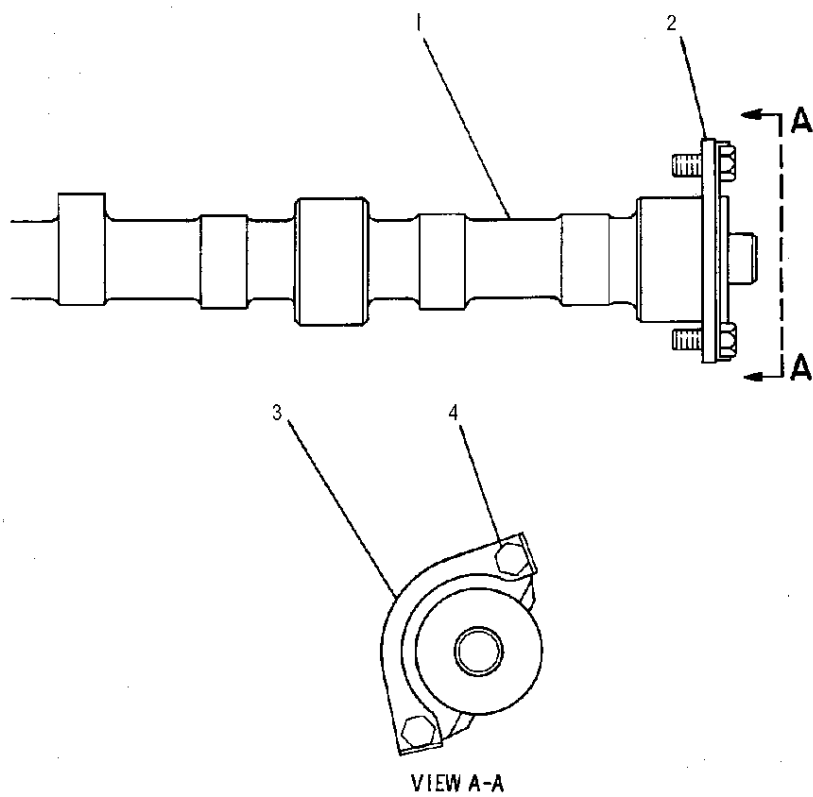
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 0S-1589     | BOLT (5/8-11X1.75-IN)         | 2   |      |            |
| 2    | 2P-0220     | GASKET-PUMP                   | 1   |      |            |
| 3    | 3B-1915     | BOLT (3/8-16X1.375-IN)        | 3   |      |            |
| 4    | 2B-2695     | BOLT (5/16-18X0.875-IN)       | 2   |      |            |
| 5    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 6    | 9M-0397     | ADAPTER                       | 1   |      |            |
|      | 8M-7065     | GASKET (AIR INLET)            | 1   |      |            |
| 7    | 4P-2975     | AIR COMPRESSOR GP             | 1   | CY   |            |

CAT codes: C, R, Y.

1N-4406 CAMSHAFT GP

1N-4406 CAMSHAFT GP S/N 08Z3945-UP SINGLE PART OF 6N-5908, 9Y-4951 ENGINE AR

Drawing 1 of 1



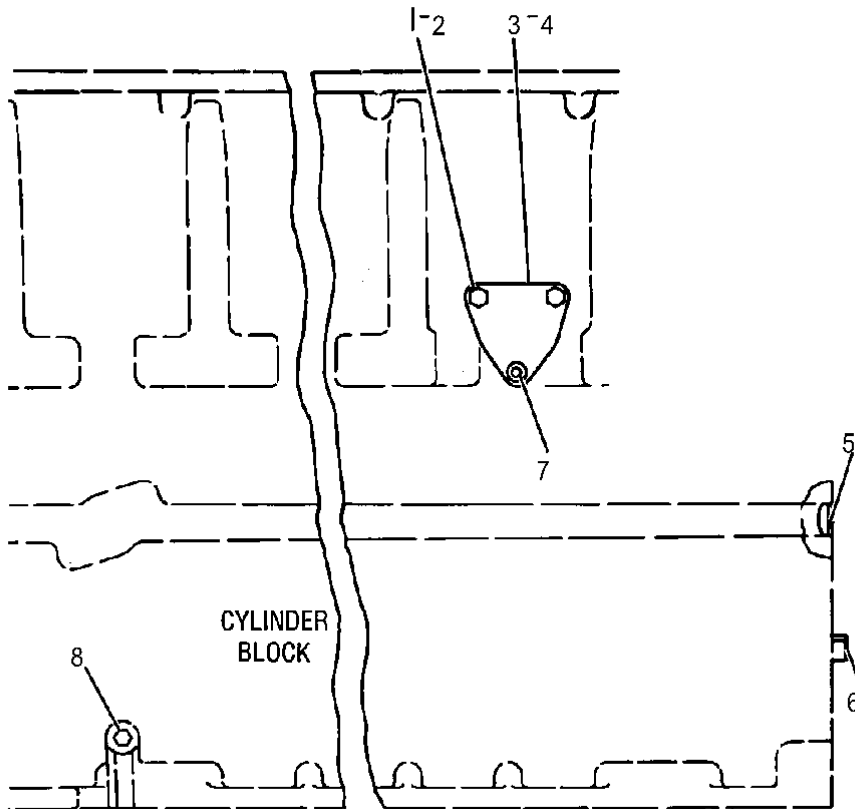
| Ref. | Part number | Description           | Qty | Code | Group page |
|------|-------------|-----------------------|-----|------|------------|
| 1    | 7E-9980     | CAMSHAFT              | 1   |      |            |
| 2    | 7S-2204     | WASHER-THRUST         | 1   |      |            |
| 3    | 8S-1491     | LOCK                  | 1   |      |            |
| 4    | 0S-0509     | BOLT (3/8-16X0.75-IN) | 2   |      |            |

CAT codes: R.

7N-1342 COVER GP-CYLINDER BLOCK

7N-1342 COVER GP-CYLINDER BLOCK S/N 08Z3945-UP PART OF 6N-5908, 9Y-4951 ENGINE AR

Drawing 1 of 1



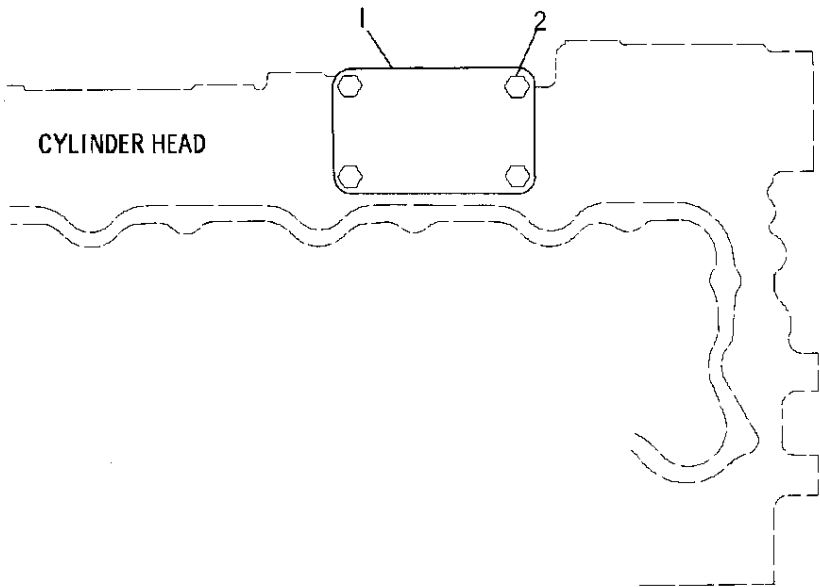
| Ref. | Part number | Description                        | Qty | Code | Group page |
|------|-------------|------------------------------------|-----|------|------------|
| 1    | 0L-1351     | BOLT (3/8-16X0.875-IN)             | 2   | B    |            |
| 2    | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 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 (3/8-16X0.75-IN)  | 1   | B    |            |
| 8    | 8T-6764     | PLUG-PIPE (1/8-27-THD)             | 1   | B    |            |

CAT codes: B.

2P-6530 COVER GP-CYLINDER HEAD

2P-6530 COVER GP-CYLINDER HEAD S/N 08Z3945-UP PART OF 6N-5908, 9Y-4951 ENGINE AR

Drawing 1 of 1



| Ref. | Part number | Description                        | Qty | Code | Group page |
|------|-------------|------------------------------------|-----|------|------------|
| 1    | 1P-6367     | COVER                              | 1   |      |            |
|      | 5S-6735     | GASKET                             | 1   |      |            |
| 2    | 0S-1594     | BOLT (3/8-16X1-IN)                 | 4   | B    |            |
|      | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 4   | B    |            |

CAT codes: B.

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