

# CATERPILLAR 621E

6AB / SEBP2181

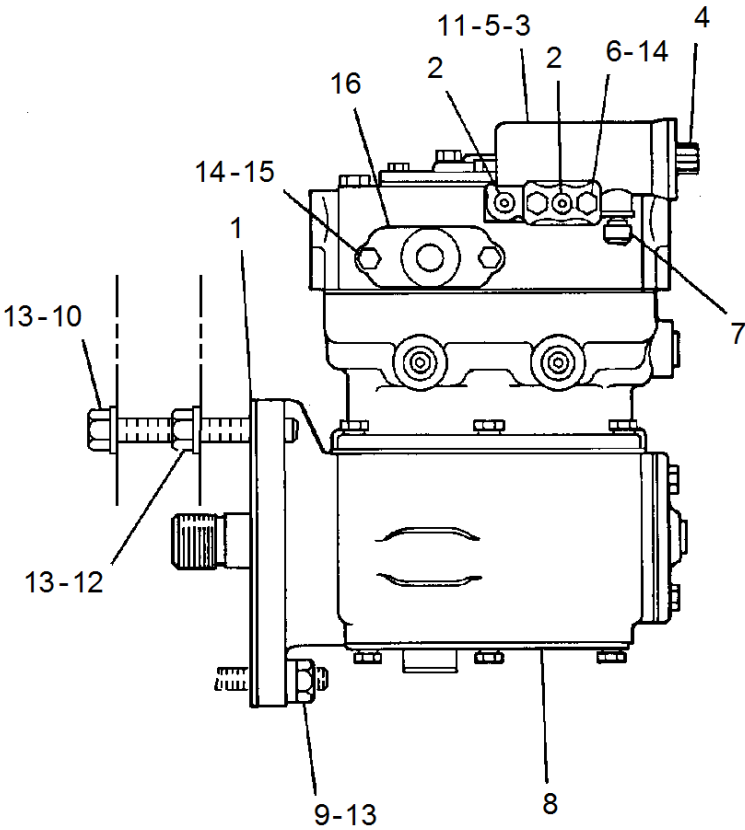
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1N-2981 AIR COMPRESSOR GP

1N-2981 AIR COMPRESSOR GP S/N 6AB1428-99999; 11N1-16052; 70V34826-99999 PART OF 137-7550, 7E-3421  
ENGINE AR ALSO FIELD INSTALLATION

Drawing 1 of 1



| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 129-3948    | SEAL-INTEGRAL                    | 1   |      |            |
| 2    | 9F-2247     | PLUG-PIPE (1/8-27-THD)           | 3   |      |            |
| 3    | 1P-7125     | GOVERNOR AS-AIR COMPRESSOR       | 1   |      |            |
| 4    | 2S-2923     | COVER AS                         | 1   |      |            |
| 5    | 6L-1883     | GASKET                           | 1   |      |            |
| 6    | 9M-0378     | BOLT (5/16-18X2.87-IN)           | 2   |      |            |
| 7    | 5F-5434     | VALVE AS-VENT                    | 1   |      |            |
| 8    | 4W-6425     | AIR COMPRESSOR GP                | 1   | YC   |            |
| 9    | 1F-7958     | NUT-FULL (1/2-13-THD)            | 1   |      |            |
| 10   | 1D-4569     | BOLT (1/2-13X4.25-IN)            | 1   |      |            |
| 11   | 5M-6214     | PLUG (1/8-27 PTF)                | 1   |      |            |
| 12   | 9X-8873     | BOLT (1/2-13X2.25-IN)            | 1   |      |            |
| 13   | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 3   |      |            |
| 14   | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK)    | 4   |      |            |

**1N-2981 AIR COMPRESSOR GP** (continued)

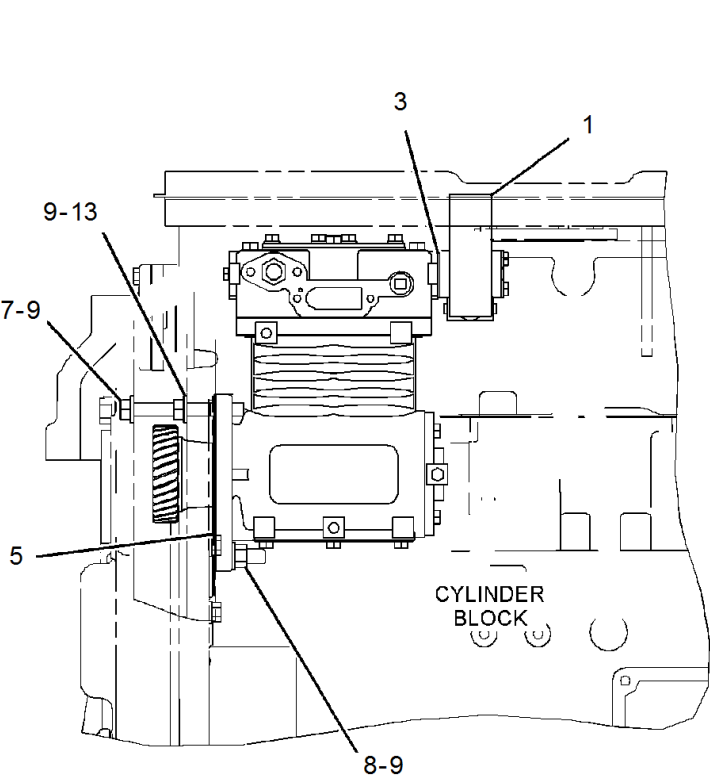
| Ref.                                               | Part number | Description                            | Qty | Code | Group page |
|----------------------------------------------------|-------------|----------------------------------------|-----|------|------------|
| 15                                                 | 2B-2695     | BOLT (5/16-18X0.875-IN)                | 2   | C    |            |
| 16                                                 | 9M-0397     | ADAPTER                                | 1   | C    |            |
|                                                    | 8M-7065     | GASKET (AIR INLET)                     | 1   | C    |            |
| AVAILABLE REPAIR KIT(S):                           |             |                                        |     |      |            |
|                                                    | 9M-0402     | KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR) | 1   |      |            |
| (INCLUDES COVER, GROMMETS, SPRING, FILTER & VALVE) |             |                                        |     |      |            |

CAT codes: C, R, Y.

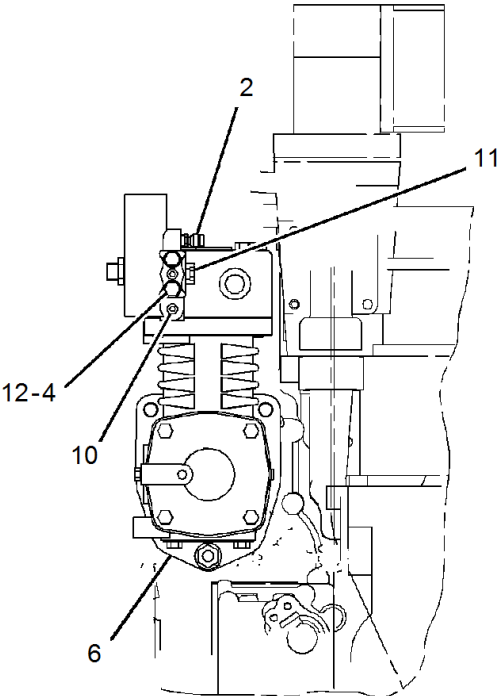
1N-2981 AIR COMPRESSOR GP

1N-2981 AIR COMPRESSOR GP S/N 6AB1428-99999; 6BB1235-99999 PART OF 321-6313, 321-6314, 321-6316  
ENGINE AR FIELD INSTALLATION

Drawing 1 of 1



LEFT SIDE VIEW OF ENGINE



REAR VIEW OF ENGINE

| Ref.                                                              | Part number | Description                            | Qty | Code | Group page |
|-------------------------------------------------------------------|-------------|----------------------------------------|-----|------|------------|
| 1                                                                 | 1P-7125     | GOVERNOR AS-AIR COMPRESSOR             | 1   |      |            |
|                                                                   | 2S-2923     | COVER AS                               | 1   |      |            |
|                                                                   | 9M-0402     | KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR) | 1   |      |            |
| (INCLUDES COVER, GROMMETS, SPRING, FILTERS, VALVE, RING & GASKET) |             |                                        |     |      |            |
| 2                                                                 | 5F-5434     | VALVE AS-VENT                          | 1   |      |            |
| 3                                                                 | 6L-1883     | GASKET                                 | 1   |      |            |
| 4                                                                 | 9M-0378     | BOLT (5/16-18X2.87-IN)                 | 2   |      |            |
| 5                                                                 | 129-3948    | SEAL-INTEGRAL                          | 1   |      |            |
| 6                                                                 | 354-7532    | AIR COMPRESSOR GP                      | 1   | YC   |            |
| 7                                                                 | 1D-4569     | BOLT (1/2-13X4.25-IN)                  | 1   |      |            |
| 8                                                                 | 1F-7958     | NUT-FULL (1/2-13-THD)                  | 1   |      |            |
| 9                                                                 | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK)       | 3   |      |            |
| 10                                                                | 8T-6757     | PLUG-PIPE                              | 3   |      |            |

1N-2981 AIR COMPRESSOR GP (continued)

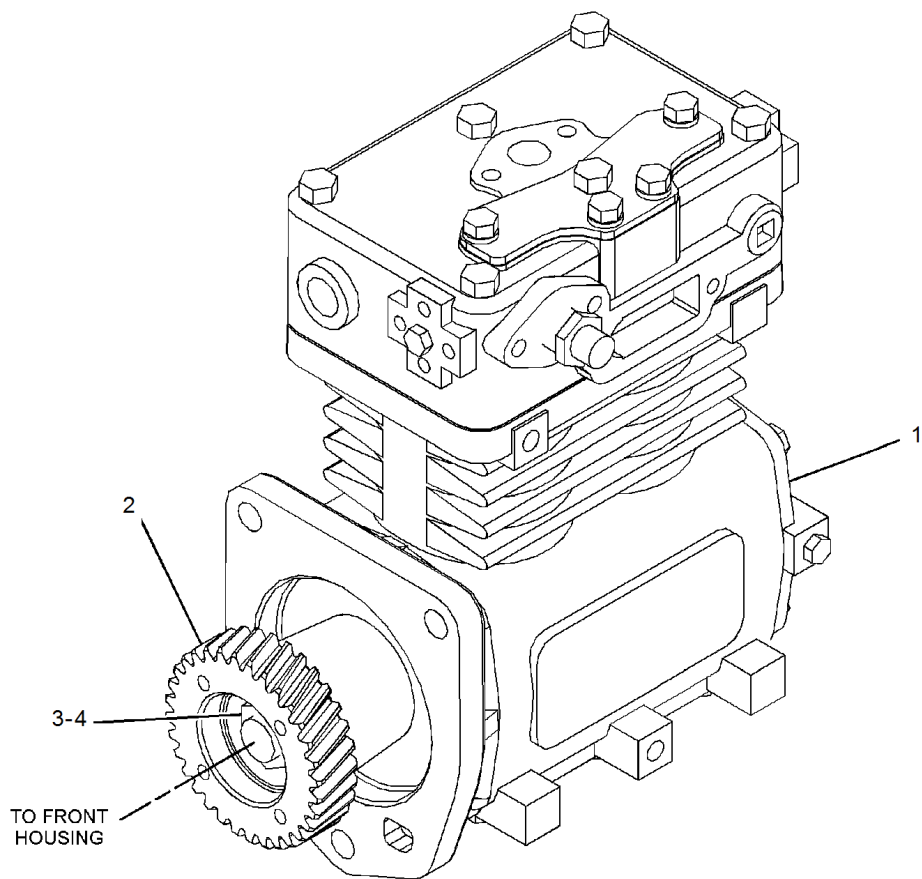
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 11   | 8T-6764     | PLUG-PIPE (1/8-27-THD)        | 1   |      |            |
| 12   | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 13   | 9X-8873     | BOLT (1/2-13X2.25-IN)         | 1   |      |            |

CAT codes: C, Y.

354-7532 AIR COMPRESSOR GP

354-7532 AIR COMPRESSOR GP S/N 6AB1428-99999; 6BB1235-99999 PART OF 1N-2981, 4P-1912 AIR COMPRESSOR GP

Drawing 1 of 1



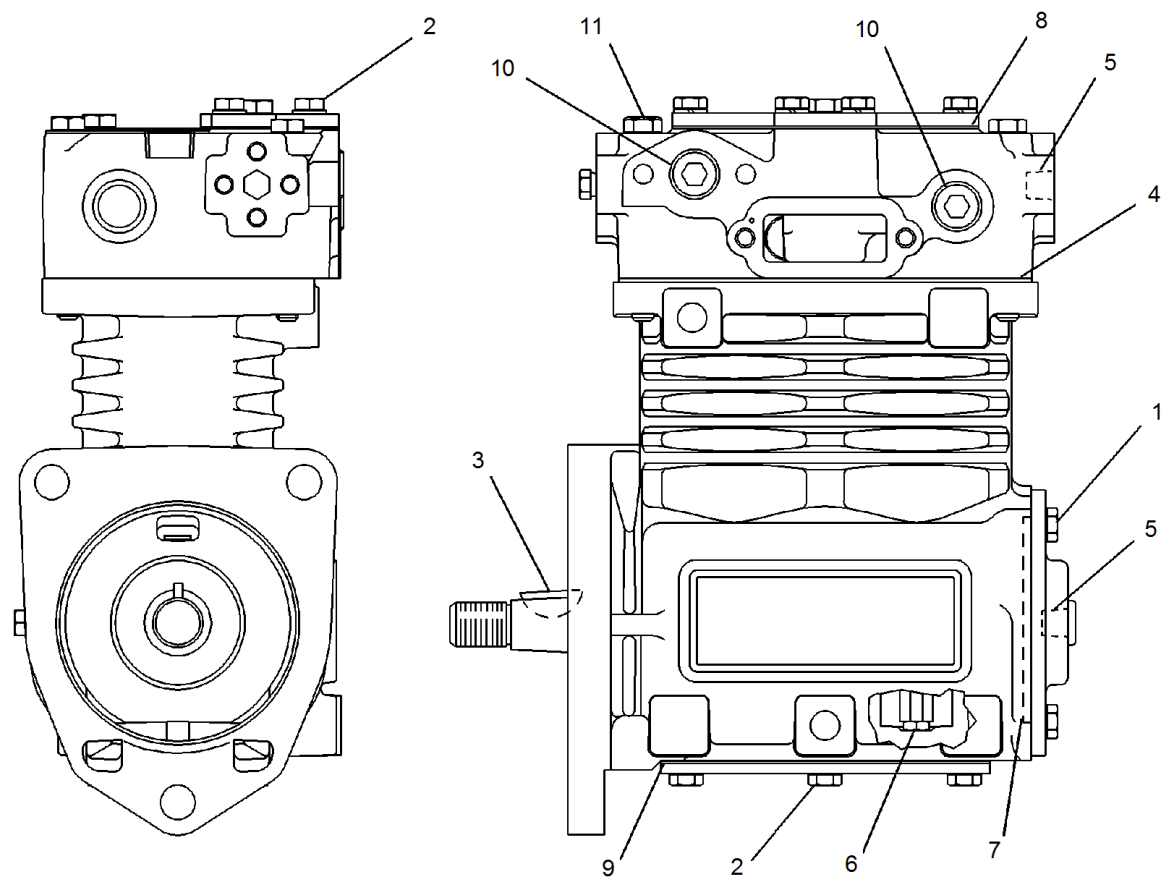
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 4P-0676     | AIR COMPRESSOR GP                | 1   | Y    |            |
| 2    | 7W-0140     | GEAR-DRIVE (32-TEETH)            | 1   |      |            |
| 3    | 5P-8248     | WASHER-HARD (20X36.5X3.5-MM THK) | 1   |      |            |
| 4    | 6B-6682     | NUT-FULL (3/4-16-THD)            | 1   |      |            |

CAT codes: R, Y.

4P-0676 AIR COMPRESSOR GP

4P-0676 AIR COMPRESSOR GP S/N 6AB1428-99999; 6BB1235-99999 PART OF 354-7532 AIR COMPRESSOR GP

Drawing 1 of 1



| Ref.                     | Part number | Description               | Qty | Code | Group page |
|--------------------------|-------------|---------------------------|-----|------|------------|
| 1                        | 0S-1615     | BOLT (1/4-20X0.75-IN)     | 4   |      |            |
| 2                        | 0S-1617     | BOLT (5/16-18X0.75-IN)    | 10  |      |            |
| 3                        | 1B-8714     | KEY-WOODRUFF              | 1   |      |            |
| 4                        | 4P-3977     | GASKET-CYLINDER HEAD      | 1   |      |            |
| 5                        | 5M-6214     | PLUG (1/8-27 PTF)         | 2   |      |            |
| 6                        | 4P-3966     | PISTON & ROD AS           | 1   |      |            |
| 7                        | 7C-6178     | BEARING-REAR              | 1   |      |            |
| 8                        | 7E-8927     | GASKET-UNLOADER           | 1   |      |            |
| 9                        | 7E-8928     | GASKET                    | 1   |      |            |
| 10                       | 6V-0387     | PLUG-PIPE                 | 2   |      |            |
| 11                       | 8T-8915     | BOLT (3/8-16X3.25-IN)     | 6   |      |            |
| AVAILABLE REPAIR KIT(S): |             |                           |     |      |            |
|                          | 164-7572    | KIT-RING (AIR COMPRESSOR) | 1   |      |            |
| (INCL RINGS-STD PISTON,  |             |                           |     |      |            |
| RINGS-PSTN SEG,          |             |                           |     |      |            |

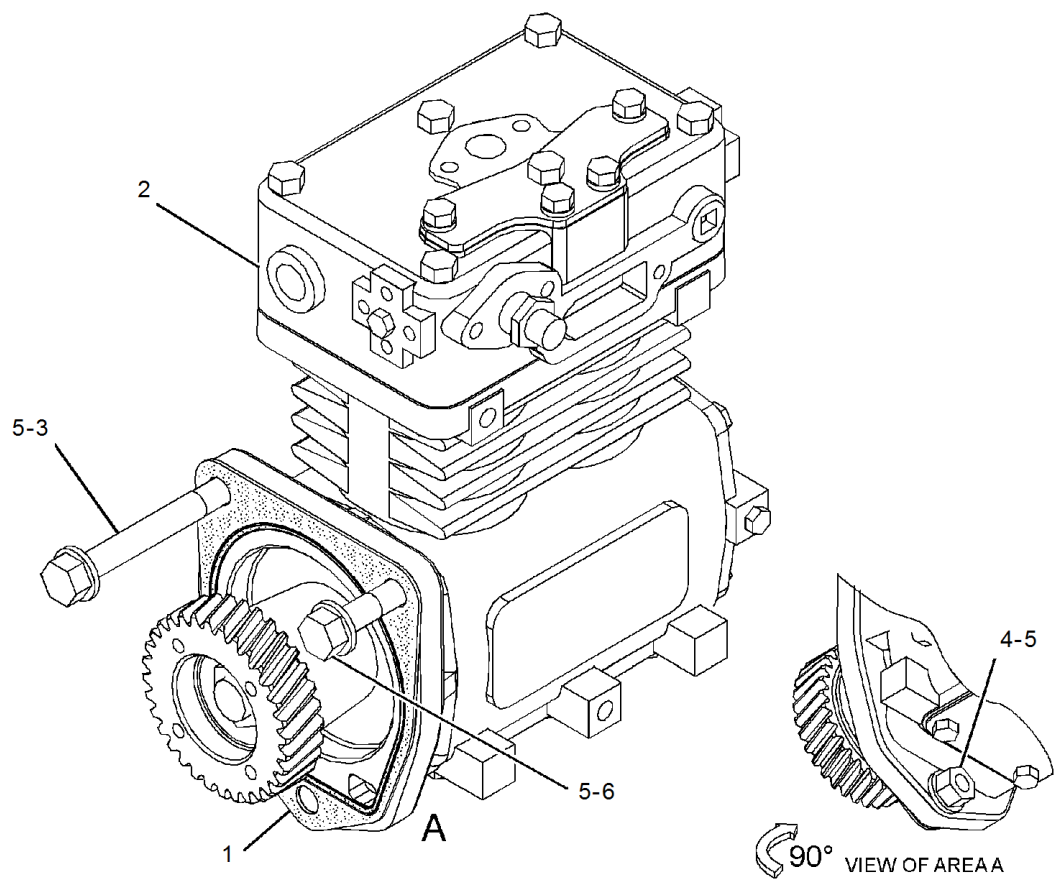
4P-0676 AIR COMPRESSOR GP (continued)

| Ref. | Part number | Description                                                           | Qty. | Code | Group page |
|------|-------------|-----------------------------------------------------------------------|------|------|------------|
|      |             | RINGS-STD SPACER,<br>AND SHEET-INST)                                  |      |      |            |
|      | 7E-8926     | KIT-CYLINDER HEAD (AIR COMPRESSOR)                                    | 1    |      |            |
|      |             | (INCL GASKETS, PISTONS,<br>SPRINGS, STOPS, VALVES,<br>SEATS & O-RING) |      |      |            |
|      | 7E-8923     | KIT-CRANKSHAFT BEARING (AIR COMPRESSOR)                               | 1    |      |            |
|      |             | (INCL SEALS, BEARINGS,<br>WASHERS, INSERTS,<br>AND GASKETS)           |      |      |            |
|      | 150-5146    | KIT-UNLOADER (AIR COMPRESSOR)                                         | 1    |      |            |

4P-1912 AIR COMPRESSOR GP

4P-1912 AIR COMPRESSOR GP S/N 6AB1428-99999; 6BB1235-99999 13 CFM, DRIVE RATIO 1:1 PART OF 321-6315 ENGINE AR

Drawing 1 of 1



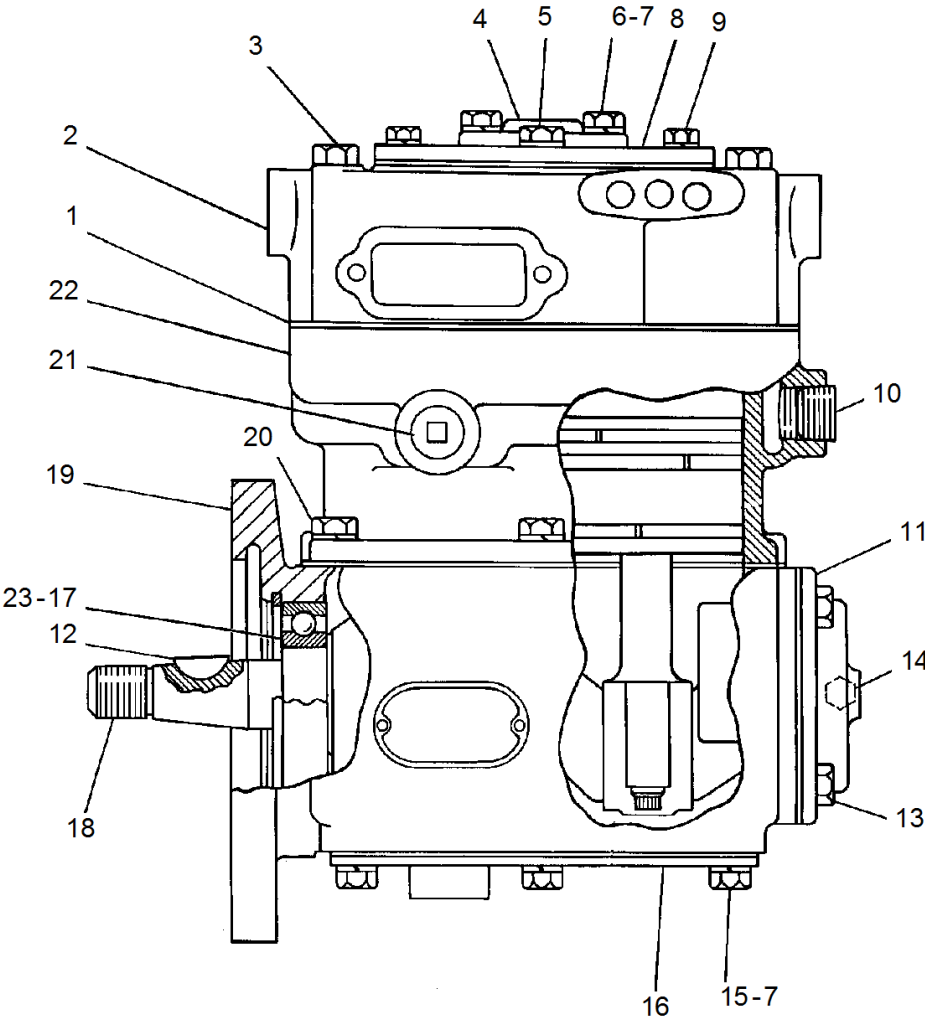
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 129-3948    | SEAL-INTEGRAL                    | 1   |      |            |
| 2    | 354-7532    | AIR COMPRESSOR GP                | 1   | Y    |            |
| 3    | 1D-4569     | BOLT (1/2-13X4.25-IN)            | 1   |      |            |
| 4    | 1F-7958     | NUT-FULL (1/2-13-THD)            | 1   |      |            |
| 5    | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 3   |      |            |
| 6    | 9X-8873     | BOLT (1/2-13X2.25-IN)            | 1   |      |            |

CAT codes: Y.

4W-6425 AIR COMPRESSOR GP

4W-6425 AIR COMPRESSOR GP S/N 6AB1428-99999; 11N1-99999; 70V34826-99999 PART OF 1N-2981 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    | 4W-9479     | MANIFOLD-EXHAUST                   | 1   |      |            |
|      | 1S-7107     | GASKET                             | 1   |      |            |
| 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   |      |            |

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