

# CATERPILLAR 631E

3ND / SEBP2028

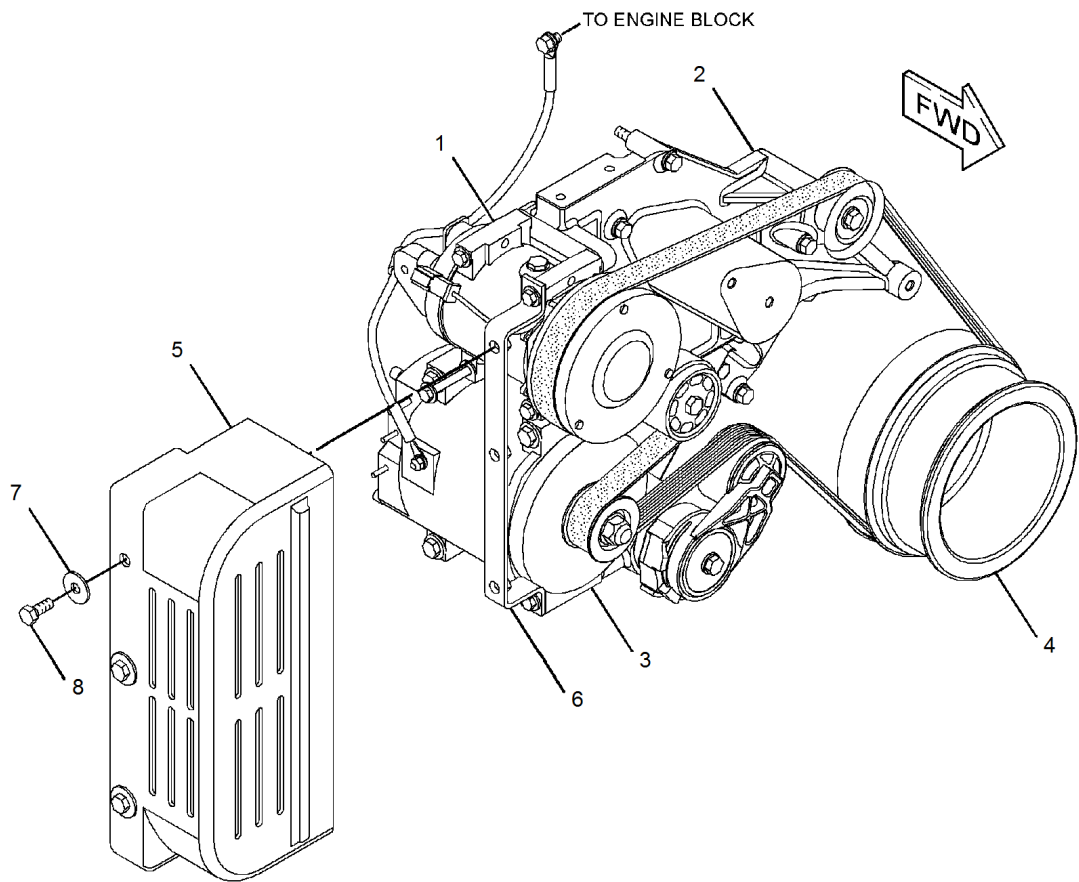
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222-0802 ACCESSORY GP-ENGINE

222-0802 ACCESSORY GP-ENGINE S/N 3ND523-99999 PART OF 304-1068 INSTALLATION AR-ENGINE

Drawing 1 of 1



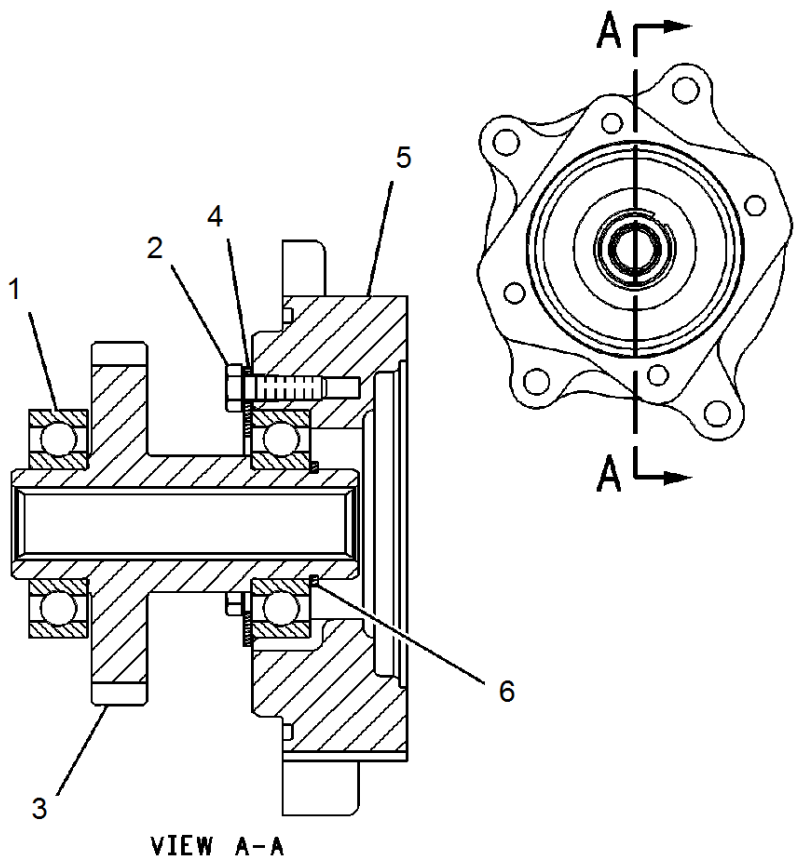
| Ref. | Part number | Description                                 | Qty | Code | Group page |
|------|-------------|---------------------------------------------|-----|------|------------|
| 1    | 228-0503    | COMPRESSOR GP-REFRIGERANT (AIR CONDITIONER) | 1   | Y    |            |
| 3    | 230-2183    | ALTERNATOR GP-CHARGING                      | 1   | Y    |            |
| 4    | 230-2185    | BELT TENSIONER GP                           | 1   | Y    |            |
| 5    | 278-4170    | GUARD                                       | 1   |      |            |
| 6    | 284-8443    | BRACKET AS                                  | 1   |      |            |
|      | 159-3042    | NUT-WELD (M10X1.5-THD)                      | 3   | M    |            |
| 7    | 8T-4222     | WASHER-PLATED (11X32X2.5-MM THK)            | 3   |      |            |
| 8    | 9X-2125     | BOLT-LOCKING (M10X1.5X25-MM)                | 3   | M    |            |

CAT codes: M, Y.

133-9907 ADAPTER GP-PUMP DRIVE

133-9907 ADAPTER GP-PUMP DRIVE S/N TXH1-UP; RHX1-UP PART OF 6I-3638 DRIVE GP-PUMP

Drawing 1 of 1

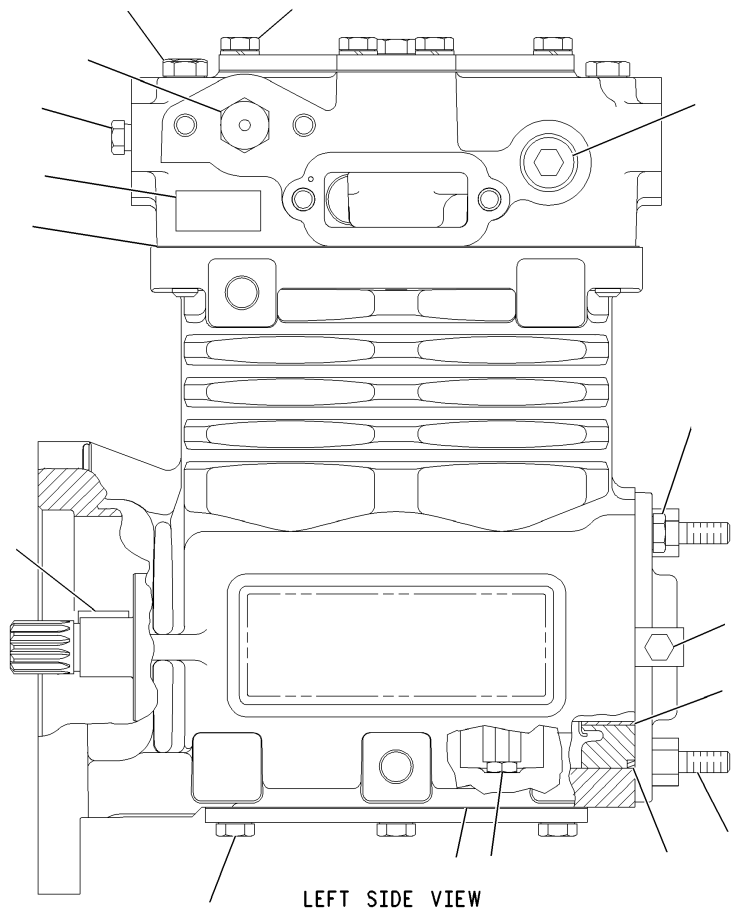


| Ref. | Part number | Description            | Qty | Code | Group page |
|------|-------------|------------------------|-----|------|------------|
| 1    | 1B-3867     | BALL BEARING           | 2   |      |            |
| 2    | 4F-7957     | BOLT (1/4-20X0.875-IN) | 3   |      |            |
| 3    | 6I-4575     | GEAR (34 TEETH)        | 1   |      |            |
| 4    | 9X-2038     | WASHER (7X19X2-MM THK) | 3   |      |            |
| 5    | 133-9906    | ADAPTER                | 1   |      |            |
| 6    | 1H-8647     | RING-SNAP              | 1   |      |            |

131-6679 AIR COMPRESSOR GP

131-6679 AIR COMPRESSOR GP S/N TXH1-UP; RHX1-UP FIELD REPLACEMENT FOR 167-1288

Drawing 1 of 1



| Ref.                     | Part number | Description                        | Qty | Code | Group page |
|--------------------------|-------------|------------------------------------|-----|------|------------|
| 1                        | 7C-6178     | BEARING-REAR                       | 2   |      |            |
| 2                        | 7E-8928     | GASKET                             | 1   |      |            |
| 3                        | 3B-4505     | LOCKWASHER (.097IN THK)            | 4   |      |            |
| 4                        | 4P-3977     | GASKET-CYLINDER HEAD               | 1   |      |            |
| 5                        | 0S-1617     | BOLT (5/16-18X0.75-IN)             | 12  |      |            |
| 6                        | 8T-6764     | PLUG-PIPE (1/8-27-THD)             | 2   |      |            |
| 7                        | 4P-3966     | PISTON & ROD AS                    | 2   |      |            |
| 8                        | 8T-6762     | PLUG-PIPE (1/2-14-THD)             | 1   |      |            |
| 9                        | 0L-1352     | BOLT (3/8-16X3.25-IN)              | 6   |      |            |
| 10                       | 146-0835    | STUD                               | 2   |      |            |
| 11                       | 2H-3934     | SEAL-O-RING                        | 1   |      |            |
| 12                       | 103-6216    | KEY-WOODRUFF                       | 1   |      |            |
| 13                       | 124-5572    | VALVE AS-RELIEF                    | 1   |      |            |
| 14                       | 130-5997    | PLATE-INFORMATION (AIR COMPRESSOR) | 1   |      |            |
| AVAILABLE REPAIR KIT(S): |             |                                    |     |      |            |

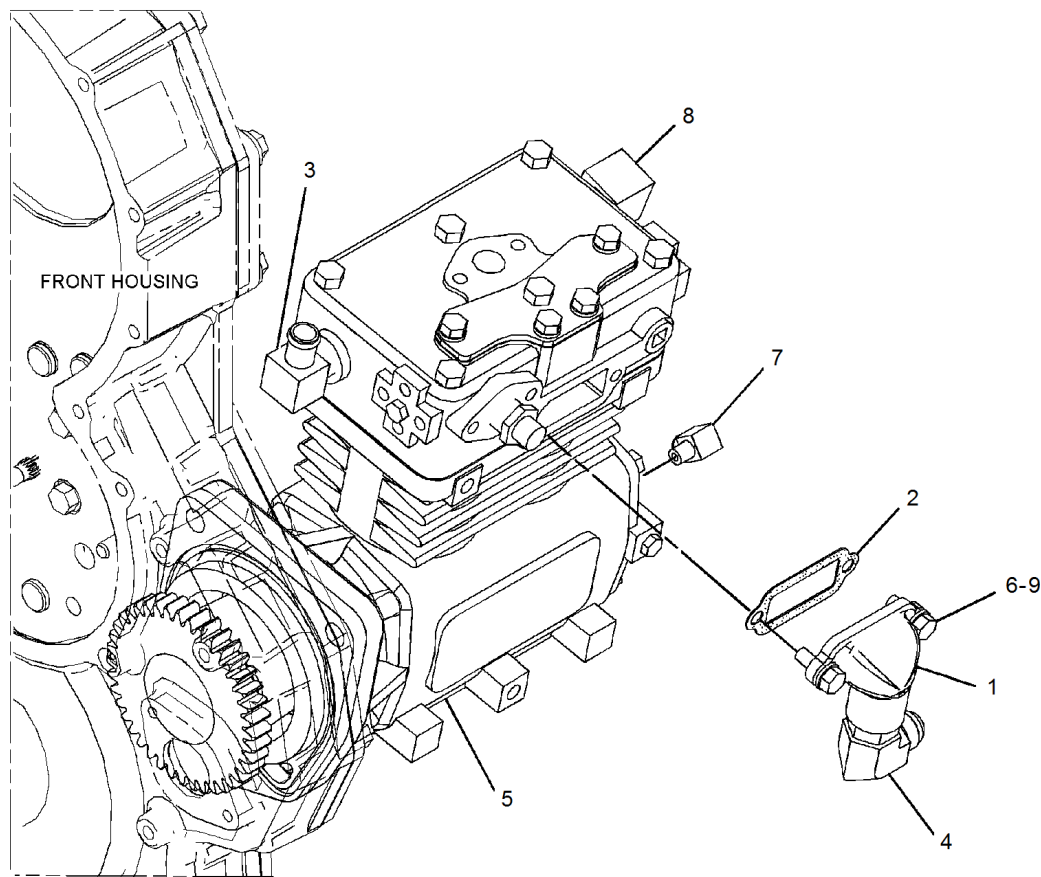
131-6679 AIR COMPRESSOR GP (continued)

| Ref. | Part number | Description                                                   | Qty | Code | Group page |
|------|-------------|---------------------------------------------------------------|-----|------|------------|
|      | 7E-8923     | KIT-CRANKSHAFT BEARING (AIR COMPRESSOR)                       | 1   |      |            |
|      |             | (INCLUDES SEALS, BEARINGS, INSERTS, GASKETS, & WASHER)        |     |      |            |
|      | 7E-8925     | KIT-STANDARD RING (AIR COMPRESSOR)                            | 1   |      |            |
|      |             | (INCLUDES RINGS)                                              |     |      |            |
|      | 7E-8926     | KIT-CYLINDER HEAD (AIR COMPRESSOR)                            | 1   |      |            |
|      |             | (INCLUDES GASKETS, PISTONS, SPRINGS, VALVES, SEATS, & O-RING) |     |      |            |
|      | 150-5146    | KIT-UNLOADER (AIR COMPRESSOR)                                 | 1   |      |            |

166-8305 AIR COMPRESSOR GP

166-8305 AIR COMPRESSOR GP S/N TXH1-UP; RHX1-UP PART OF 240-9033 AIR COMPRESSOR GP

Drawing 1 of 1



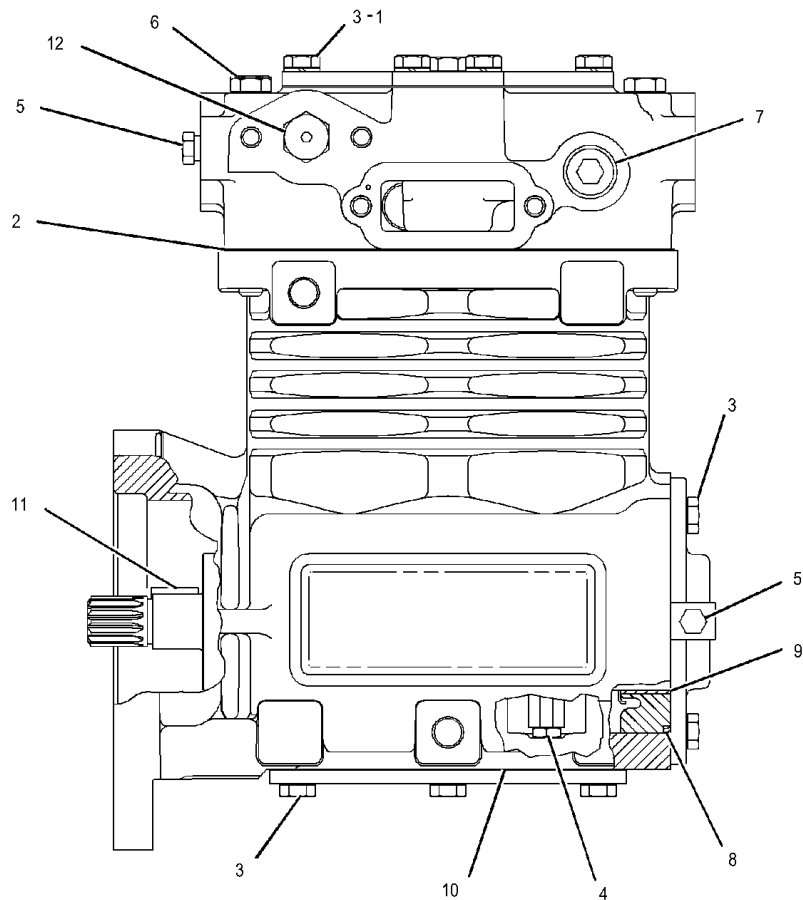
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 7W-5499     | ELBOW                         | 1   |      |            |
| 2    | 8M-7065     | GASKET (AIR INLET)            | 1   |      |            |
| 3    | 9X-3959     | ELBOW                         | 1   |      |            |
| 4    | 353-5133    | ELBOW AS                      | 1   | C    |            |
|      | 030-7949    | ELBOW                         | 1   |      |            |
|      | 238-5081    | SEAL-O-RING                   | 1   |      |            |
| 5    | 354-7528    | AIR COMPRESSOR GP             | 1   | CY   |            |
| 6    | 2B-2695     | BOLT (5/16-18X0.875-IN)       | 2   |      |            |
| 7    | 2N-1287     | ELBOW-FLARED                  | 1   |      |            |
| 8    | 2N-3378     | ELBOW-FLARED                  | 1   |      |            |
| 9    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |

CAT codes: C, Y.

167-1288 AIR COMPRESSOR GP

167-1288 AIR COMPRESSOR GP S/N TXH1-UP; RHX1-UP PART OF 354-7528 AIR COMPRESSOR GP FIELD REPLACEMENT ORDER 131-6679

Drawing 1 of 1



| Ref.                             | Part number | Description                      | Qty | Code | Group page |
|----------------------------------|-------------|----------------------------------|-----|------|------------|
| 1                                | 3B-4505     | LOCKWASHER                       | 4   |      |            |
| 2                                | 4P-3977     | GASKET-CYLINDER HEAD             | 1   |      |            |
| 3                                | 0S-1617     | BOLT (5/16-18X0.75-IN)           | 14  |      |            |
| 4                                | 4P-3966     | PISTON & ROD AS                  | 1   |      |            |
| (INCLUDES 2 PISTONS & 2 ROD AS.) |             |                                  |     |      |            |
| 5                                | 8T-6764     | PLUG-PIPE (1/8-27-THD)           | 2   |      |            |
| 6                                | 0L-1352     | BOLT (3/8-16X3.25-IN)            | 6   |      |            |
| 7                                | 8T-6762     | PLUG-PIPE (1/2-14-THD)           | 1   |      |            |
| 8                                | 2H-3934     | SEAL-O-RING                      | 1   |      |            |
| 9                                | 7C-6178     | BEARING-REAR                     | 1   |      |            |
| 10                               | 7E-8928     | GASKET                           | 1   |      |            |
| 11                               | 103-6216    | KEY-WOODRUFF                     | 1   |      |            |
| 12                               | 124-5572    | VALVE AS-RELIEF (AIR COMPRESSOR) | 1   |      |            |
| AVAILABLE REPAIR KIT(S):         |             |                                  |     |      |            |

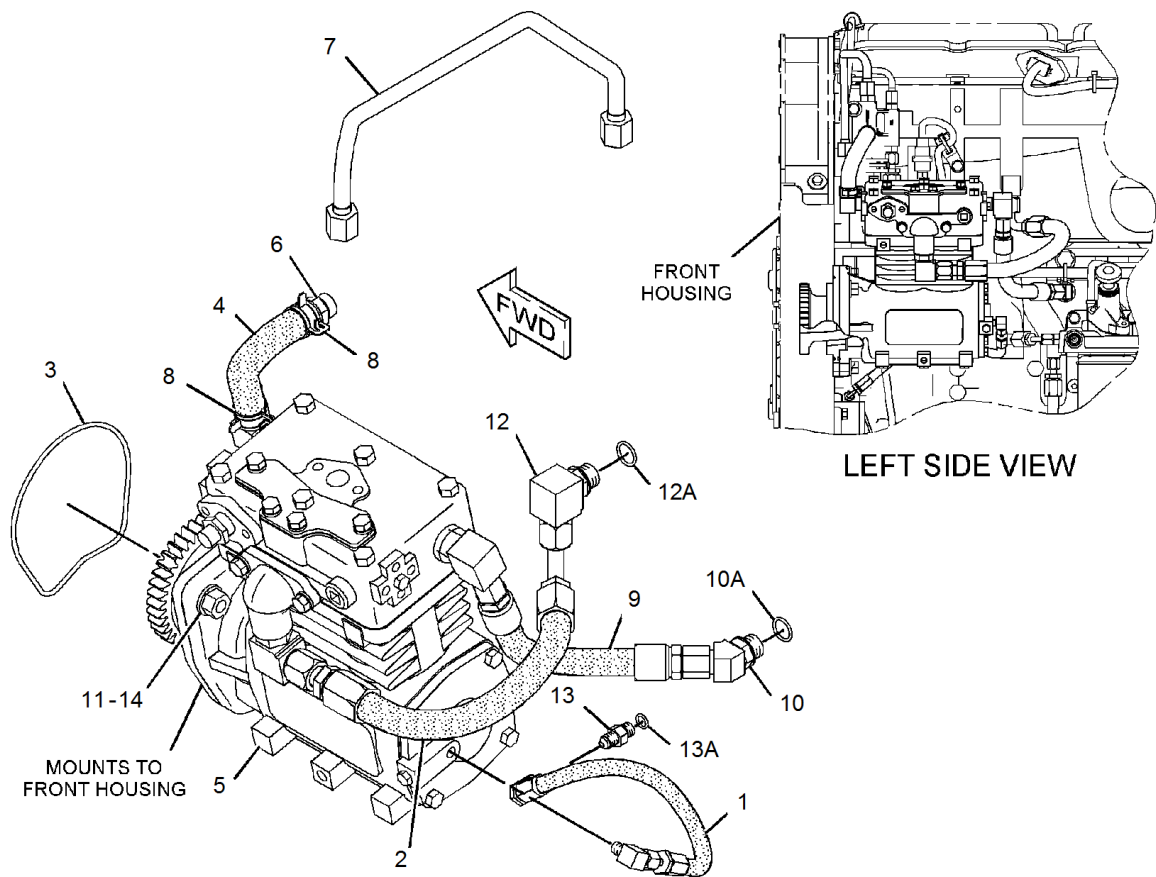
167-1288 AIR COMPRESSOR GP (continued)

| Ref. | Part number                                                   | Description                             | Qty | Code | Group page |
|------|---------------------------------------------------------------|-----------------------------------------|-----|------|------------|
|      | 7E-8923                                                       | KIT-CRANKSHAFT BEARING (AIR COMPRESSOR) | 1   |      |            |
|      | (INCLUDES SEALS, BEARINGS, INSERTS, GASKETS, & WASHERS)       |                                         |     |      |            |
|      | 164-7572                                                      | KIT-RING (AIR COMPRESSOR)               | 1   |      |            |
|      | (INCLUDES RINGS & INSTRUCTIONS)                               |                                         |     |      |            |
|      | 7E-8926                                                       | KIT-CYLINDER HEAD (AIR COMPRESSOR)      | 1   |      |            |
|      | (INCLUDES UNLOADERS, SPRINGS, VALVES, GASKETS, SEATS, & SEAL) |                                         |     |      |            |
|      | 150-5146                                                      | KIT-UNLOADER (AIR COMPRESSOR)           | 1   |      |            |

240-9033 AIR COMPRESSOR GP

240-9033 AIR COMPRESSOR GP S/N TXH1-UP; RHX1-UP PART OF 302-4562 ENGINE AR-COMPLETE

Drawing 1 of 1



| Ref. | Part number | Description           | Qty | Code | Group page |
|------|-------------|-----------------------|-----|------|------------|
| 1    | 101-6596    | HOSE AS               | 1   | I    |            |
| 2    | 101-6605    | HOSE AS               | 1   | I    |            |
| 3    | 110-0004    | SEAL                  | 1   |      |            |
| 4    | 128-0331    | HOSE                  | 1   |      |            |
| 5    | 166-8305    | AIR COMPRESSOR GP     | 1   | Y    |            |
| 6    | 351-0259    | ADAPTER AS            | 1   |      |            |
|      | 6V-6609     | SEAL-O-RING           | 1   |      |            |
|      | 168-8806    | CONNECTOR             | 1   |      |            |
| 7    | 172-3450    | TUBE AS               | 1   |      |            |
| 8    | 172-4702    | CLAMP                 | 2   |      |            |
| 9    | 179-2886    | HOSE AS               | 1   | I    |            |
| 10   | 386-6196    | ELBOW AS              | 1   |      |            |
|      | 030-7943    | ELBOW                 | 1   |      |            |
| 10A  | 238-5080    | SEAL-O-RING           | 1   |      |            |
| 11   | 1F-7958     | NUT-FULL (1/2-13-THD) | 3   |      |            |

240-9033 AIR COMPRESSOR GP (continued)

| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 12   | 351-0258    | ELBOW AS                         | 1   |      |            |
|      | 1P-7625     | ELBOW                            | 1   |      |            |
| 12A  | 238-5080    | SEAL-O-RING                      | 1   |      |            |
| 13   | 343-8121    | CONNECTOR AS                     | 1   |      |            |
|      | 3J-7352     | CONNECTOR                        | 1   |      |            |
| 13A  | 214-7566    | SEAL-O-RING                      | 1   |      |            |
| 14   | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 3   |      |            |

CAT codes: I, Y.

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