

# CATERPILLAR 777B

4YC / SEBP5522

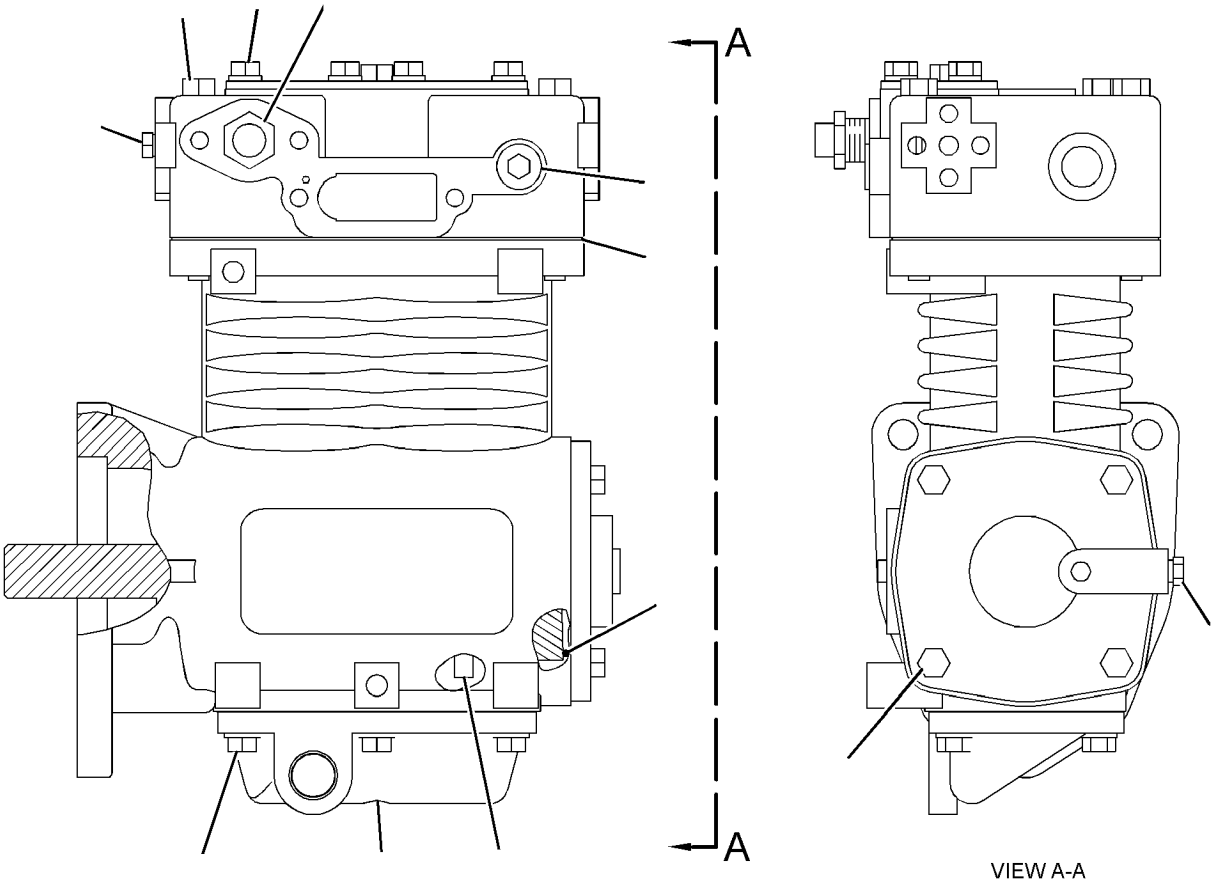
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| Basic engine               |      |
| Power train                |      |
| Power train                |      |
| Hydraulic system           |      |
| Hydraulic system           |      |
| Air inlet and exhaust      |      |

261-4881 AIR COMPRESSOR GP

261-4881 AIR COMPRESSOR GP S/N 4YC1-UP; 4XJ1-UP PART OF 347-5854 AIR COMPRESSOR GP, 375-3573, 375-3574 KIT-ENGINE CONVERSION

Drawing 1 of 1



| Ref.                     | Part number | Description                             | Qty | Code | Group page |
|--------------------------|-------------|-----------------------------------------|-----|------|------------|
| 1                        | 6N-0634     | GASKET-COVER                            | 1   |      |            |
| 2                        | 124-5572    | VALVE AS-RELIEF (AIR COMPRESSOR)        | 1   |      |            |
| 3                        | 0L-1352     | BOLT (3/8-16X3.25-IN)                   | 6   |      |            |
| 4                        | 0S-1617     | BOLT (5/16-18X0.75-IN)                  | 8   |      |            |
| 5                        | 0S-1618     | BOLT (5/16-18X1-IN)                     | 6   |      |            |
| 6                        | 3B-4505     | LOCKWASHER                              | 4   |      |            |
| 7                        | 6V-0387     | PLUG-PIPE                               | 1   |      |            |
| 8                        | 8T-6764     | PLUG-PIPE (1/8-27-THD)                  | 2   |      |            |
| 9                        | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK)           | 6   |      |            |
| 10                       | 2H-3934     | SEAL-O-RING                             | 1   |      |            |
| 11                       | 4P-3977     | GASKET-CYLINDER HEAD                    | 1   |      |            |
| 12                       | 7E-8924     | PISTON & ROD AS                         | 1   |      |            |
| AVAILABLE REPAIR KIT(S): |             |                                         |     |      |            |
|                          | 7E-8923     | KIT-CRANKSHAFT BEARING (AIR COMPRESSOR) | 1   |      |            |

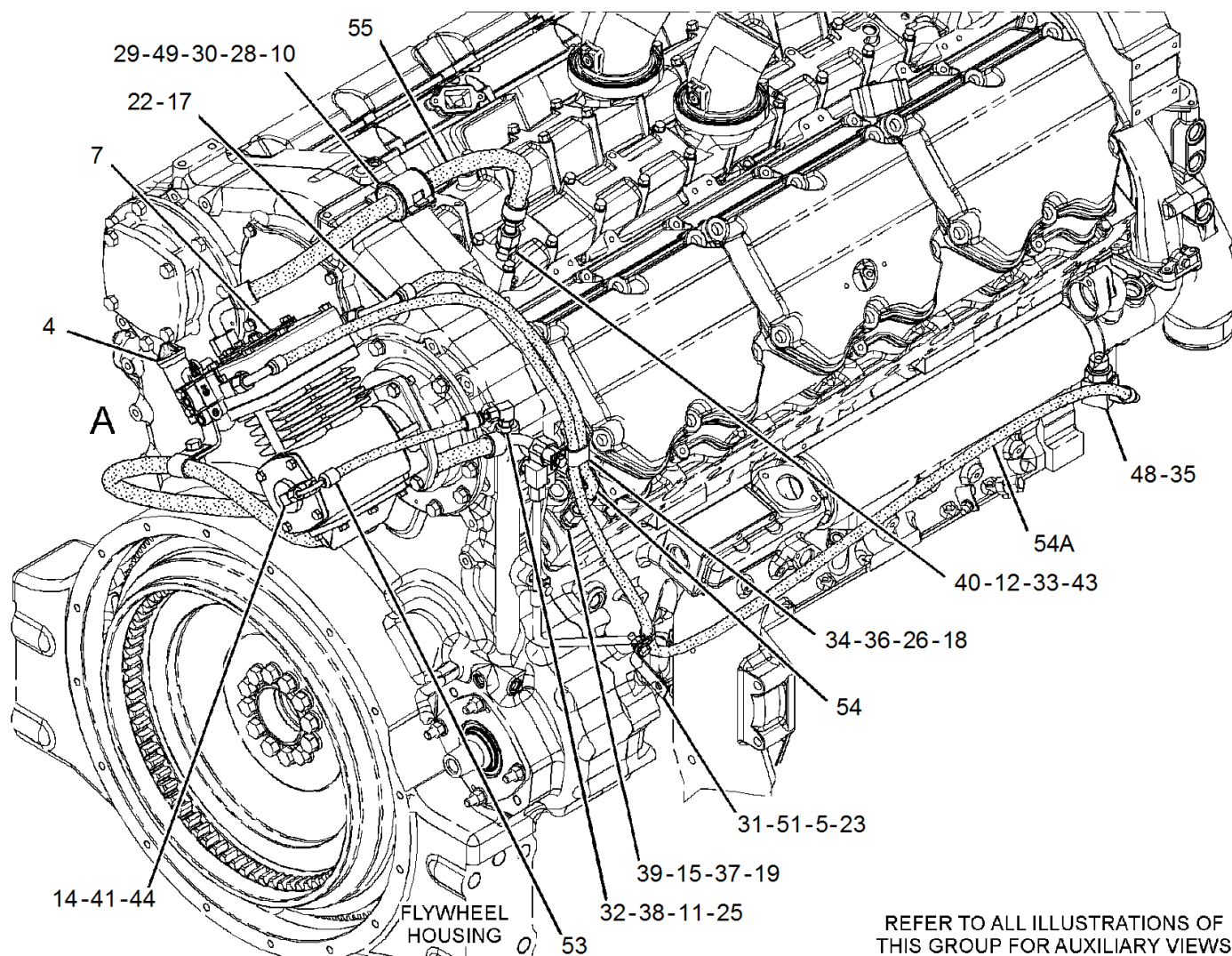
261-4881 AIR COMPRESSOR GP (continued)

| Ref.                                                          | Part number | Description                        | Qty. | Code | Group page |
|---------------------------------------------------------------|-------------|------------------------------------|------|------|------------|
| (INCLUDES SEAL,BEARING,WASHERS,INSERTS, & GASKETS)            |             |                                    |      |      |            |
|                                                               | 7E-8926     | KIT-CYLINDER HEAD (AIR COMPRESSOR) | 1    |      |            |
| (INCLUDES GASKET,SPRINGS,VALVES,SEATS,PISTON,STOPS & O-RINGS) |             |                                    |      |      |            |
|                                                               | 150-5146    | KIT-UNLOADER (AIR COMPRESSOR)      | 1    |      |            |
|                                                               | 164-7572    | KIT-RING (AIR COMPRESSOR)          | 1    |      |            |
| (INCLUDES RINGS & SHEET)                                      |             |                                    |      |      |            |

## 347-5854 AIR COMPRESSOR GP

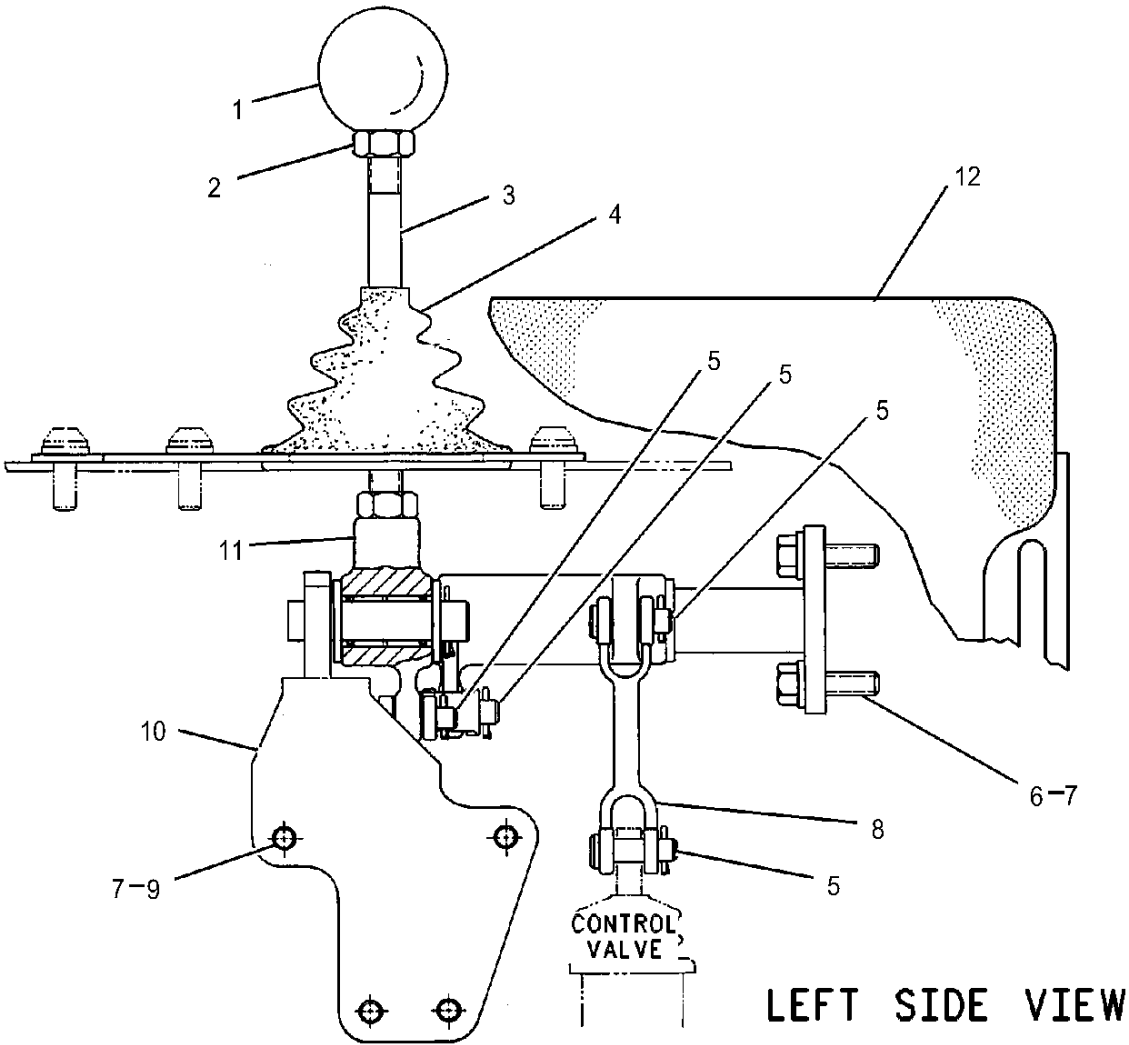
347-5854 AIR COMPRESSOR GP S/N 4YC1-UP; 4XJ1-UP PART OF 347-5845 INSTALLATION GP-ENGINE

Drawing 1 of 2



347-5854 AIR COMPRESSOR GP (continued)

Drawing 2 of 2



| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 7W-9834     | VALVE-REGULATOR (AIR COMPRESSOR) | 1   |      |            |
| 2    | 8M-7065     | GASKET (AIR INLET)               | 1   |      |            |
| 3    | 8T-9023     | CONNECTOR-O-RING                 | 1   |      |            |
| 4    | 112-2406    | GOVERNOR GP-AIR COMPRESSOR       | 1   | Y    |            |
| 5    | 135-2145    | BRACKET                          | 1   |      |            |
| 6    | 159-8091    | BRACKET                          | 1   |      |            |
| 7    | 261-4881    | AIR COMPRESSOR GP                | 1   | Y    |            |
| 8    | 0S-0509     | BOLT (3/8-16X0.75-IN)            | 1   |      |            |
| 9    | 0S-1585     | BOLT (1/2-13X1.5-IN)             | 1   |      |            |
| 10   | 0S-1595     | BOLT (1/2-13X1.25-IN)            | 2   |      |            |

## 347-5854 AIR COMPRESSOR GP (continued)

| Ref. | Part number | Description                        | Qty | Code | Group page |
|------|-------------|------------------------------------|-----|------|------------|
| 11   | 124-2111    | COUPLING-PERMANENT                 | 1   |      |            |
| 12   | 124-2119    | COUPLING-PERMANENT                 | 2   |      |            |
| 13   | 124-2151    | COUPLING-PERMANENT                 | 2   |      |            |
| 14   | 124-2158    | COUPLING-PERMANENT                 | 1   |      |            |
| 15   | 146-3342    | COUPLING-PERMANENT                 | 1   |      |            |
| 16   | 146-3359    | COUPLING-PERMANENT                 | 2   |      |            |
| 17   | 146-3366    | COUPLING-PERMANENT                 | 1   |      |            |
| 18   | 164-1404    | SPACER (10.67X16.95X23-MM THK)     | 1   |      |            |
| 19   | 180-8424    | SEAL-O-RING                        | 4   |      |            |
| 20   | 1B-2790     | BOLT (5/16-18X1.375-IN)            | 2   |      |            |
| 21   | 1F-7958     | NUT-FULL (1/2-13-THD)              | 1   |      |            |
| 22   | 2T-1922     | ELBOW                              | 2   |      |            |
| 23   | 2Y-5829     | NUT (M10X1.5-THD)                  | 1   | M    |            |
| 24   | 3D-2824     | SEAL-O-RING                        | 1   |      |            |
| 25   | 4J-5477     | SEAL-O-RING                        | 2   |      |            |
| 26   | 5K-8451     | CLIP (LOOP)                        | 1   |      |            |
| 27   | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 1   |      |            |
| 28   | 5P-7468     | CLIP (SLOT)                        | 1   |      |            |
| 29   | 5P-7469     | CLIP (TAB)                         | 1   |      |            |
| 30   | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK)   | 4   |      |            |
| 31   | 6V-1820     | BOLT (M10X1.5X30-MM)               | 1   | M    |            |
| 32   | 6V-3250     | SEAL-O-RING                        | 1   |      |            |
| 33   | 6V-3251     | SEAL-O-RING                        | 1   |      |            |
| 34   | 6V-4249     | BOLT (M10X1.5X50-MM)               | 1   | M    |            |
| 35   | 6V-5063     | SEAL-O-RING                        | 1   |      |            |
| 36   | 6V-5839     | WASHER (11X21X2.5-MM THK)          | 3   |      |            |
| 37   | 6V-6609     | SEAL-O-RING                        | 1   |      |            |
| 38   | 6V-8627     | ELBOW                              | 1   |      |            |
| 39   | 6V-8639     | CONNECTOR                          | 1   |      |            |
| 40   | 6V-8642     | CONNECTOR                          | 1   |      |            |
| 41   | 6V-8675     | BOLT (M12X1.75X35-MM)              | 3   | M    |            |
| 42   | 6V-9746     | SEAL-O-RING                        | 2   |      |            |
| 43   | 7J-9108     | SEAL-O-RING                        | 2   |      |            |
| 44   | 7X-0492     | ELBOW                              | 1   |      |            |
| 45   | 8C-6873     | CONNECTOR                          | 1   |      |            |
| 46   | 8C-6874     | CONNECTOR                          | 1   |      |            |

347-5854 AIR COMPRESSOR GP (continued)

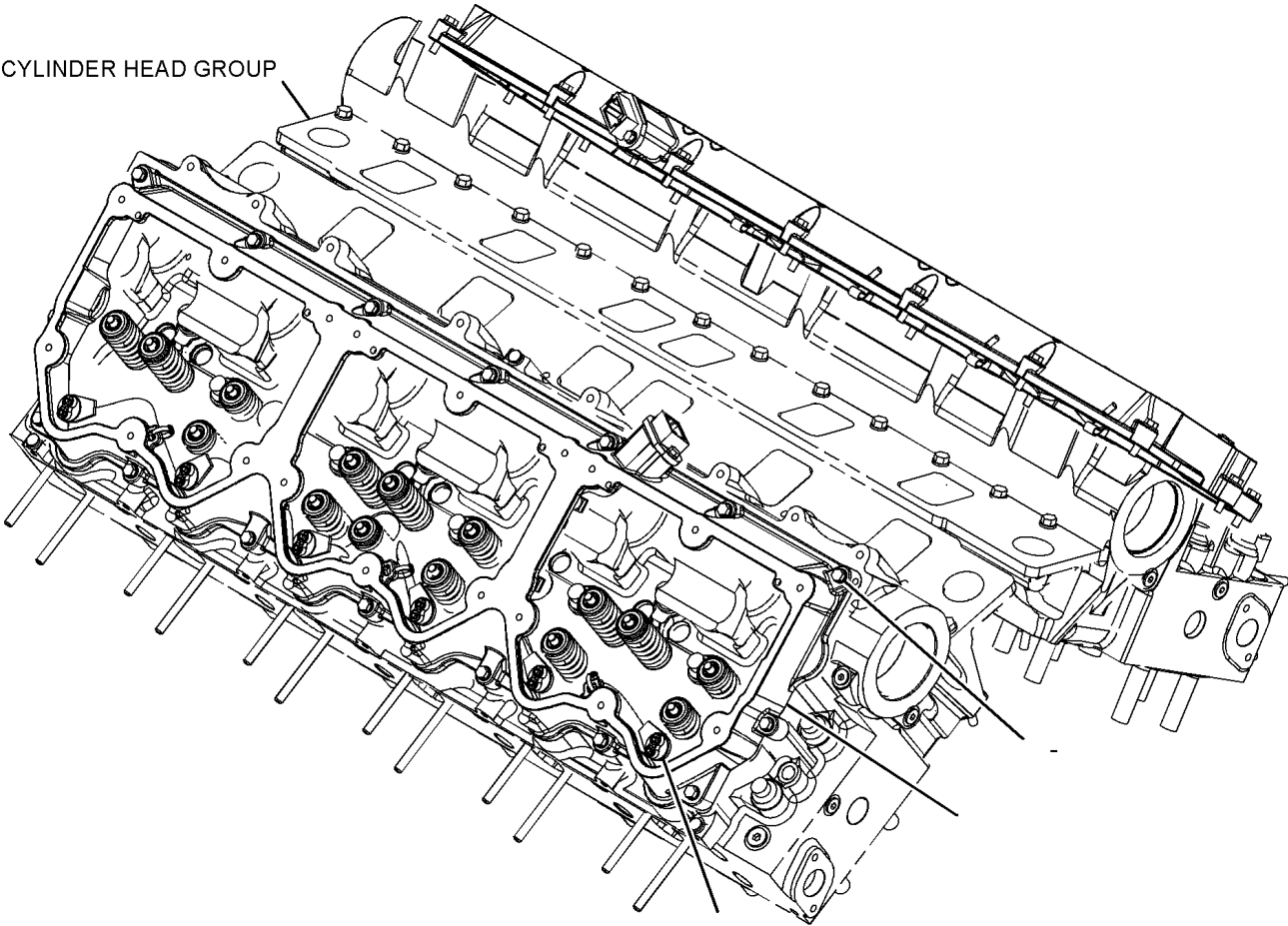
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 47   | 8J-8197     | CLIP                          | 1   |      |            |
| 48   | 8T-5429     | ELBOW                         | 1   |      |            |
| 49   | 8T-9518     | GROMMET (24-MM ID)            | 1   |      |            |
| 50   | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 51   | 9M-8406     | CLIP (LOOP)                   | 1   |      |            |
| 52   | 9X-8250     | CLIP (LOOP)                   | 1   |      |            |
| 53   | 122-6867    | HOSE (10.3-IN)                |     | G    |            |
| 54   | 224-7700    | HOSE (61-CM)                  |     | E    |            |
| 54A  | 224-7700    | HOSE (225-CM)                 |     | E    |            |
| 55   | 124-7115    | HOSE-HYDRAULIC (27-IN)        |     | G    |            |
| 56   | 122-6871    | HOSE-HYDRAULIC (60.3-IN)      |     | G    |            |
| 57   | 144-6142    | SEAL-INTEGRAL                 | 1   |      |            |

CAT codes: E, G, M, R, Y.

223-6408 BASE GP-VALVE COVER & INJ HARN

223-6408 BASE GP-VALVE COVER & INJ HARN S/N LJW5431-UP

Drawing 1 of 1



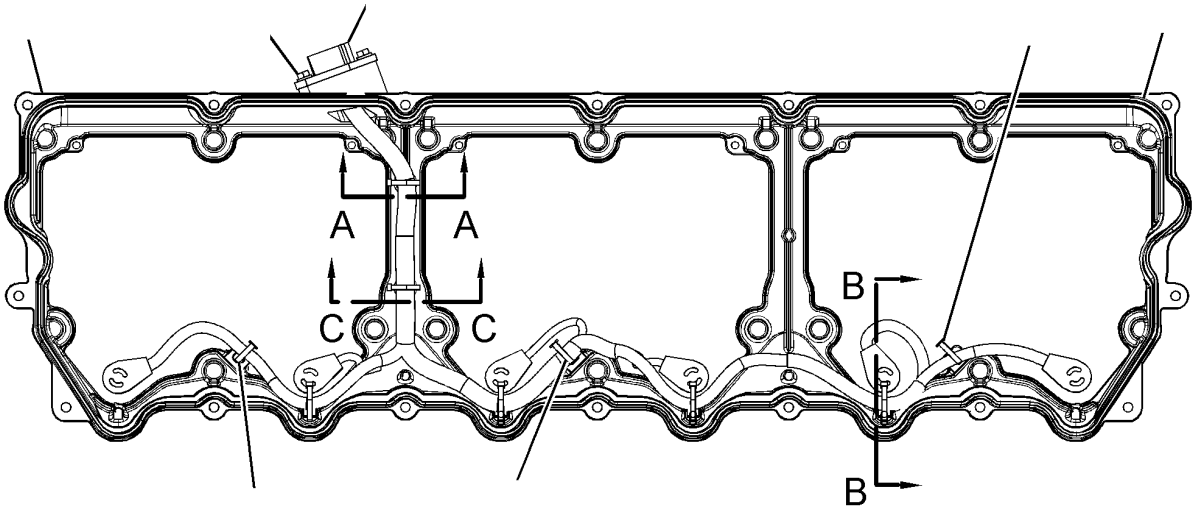
| Ref. | Part number | Description                    | Qty | Code | Group page |
|------|-------------|--------------------------------|-----|------|------------|
| 1    | 7E-6508     | CAP AS (UNIT INJECTOR)         | 12  |      |            |
| 2    | 226-4927    | BASE GP-VALVE COVER & INJ HARN | 2   | Y    |            |
| 3    | 1A-9579     | BOLT (5/16-18X1.5-IN)          | 32  |      |            |
| 4    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK)  | 32  |      |            |

CAT codes: Y.

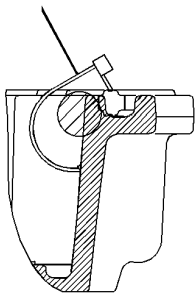
226-4927 BASE GP-VALVE COVER & INJ HARN

226-4927 BASE GP-VALVE COVER & INJ HARN S/N LJW5431-UP PART OF 223-6408 BASE GP-VALVE COVER & INJ HARN Type 1

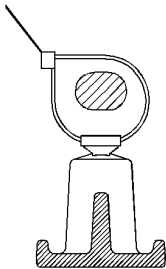
Drawing 1 of 1



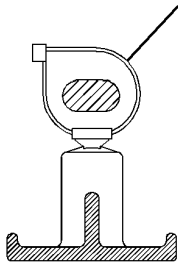
BOTTOM VIEW OF ENGINE



SECTION B-B



SECTION A-A



SECTION C-C

| Ref.                                         | Part number | Description                       | Qty | Code | Group page |
|----------------------------------------------|-------------|-----------------------------------|-----|------|------------|
| 1                                            | 6V-0128     | SEAL-CONNECTOR                    | 1   |      |            |
| 2                                            | 326-4512    | MOUNTING-CABLE TIE                | 6   |      |            |
| 3                                            | 222-6953    | BASE-VALVE MECHANISM COVER        | 1   |      |            |
| 4                                            | 285-6647    | HARNESS AS-ENGINE (UNIT INJECTOR) | 1   | C    |            |
|                                              | 102-8801    | KIT-RECEPTACLE (12-PIN)           | 1   |      |            |
| (INCLUDES RECPTACLE AS & WEDGE)              |             |                                   |     |      |            |
|                                              | 103-8134    | KIT-RECEPTACLE (12-PIN)           | 1   |      |            |
| (INCLUDES RECEPTACLE AS & WEDGE)             |             |                                   |     |      |            |
|                                              | 8T-8737     | PLUG-SEAL                         | 3   |      |            |
|                                              | 9X-3401     | PIN-CONNECTOR (16-GA TO 18-GA)    | 9   |      |            |
| OR alternate consist option CAT source: -OR- |             |                                   |     |      |            |
|                                              | 126-1767    | PIN-CONNECTOR (14-GA TO 16-GA)    | 9   |      |            |
| 5                                            | 8T-4205     | WASHER-HARD (7.2X14.5X2-MM THK)   | 2   |      |            |

**226-4927 BASE GP-VALVE COVER & INJ HARN** (continued)

| Ref. | Part number | Description             | Qty | Code | Group<br>page |
|------|-------------|-------------------------|-----|------|---------------|
| 6    | 123-3202    | STRAP-CABLE             | 3   |      |               |
| 7    | 1H-3337     | BOLT (1/4-20X0.875-IN)  | 2   |      |               |
| 8    | 222-6456    | SEAL (VALVE COVER BASE) | 1   |      |               |

CAT codes: C.

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