

# CATERPILLAR 963

06Z / SEBP1338

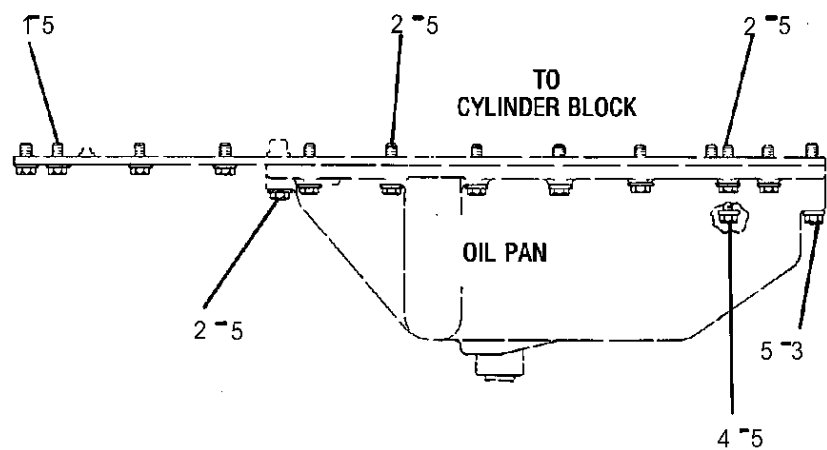
## Contents

| Section                            | Page |
|------------------------------------|------|
| <a href="#">Lubrication system</a> | 2    |
| Cooling system                     |      |
| Air inlet and exhaust              |      |
| Fuel system                        |      |
| Electrical and electronics         |      |
| Basic engine                       |      |
| Basic engine                       |      |
| Power train                        |      |
| Power train                        |      |
| Basic engine                       |      |
| Hydraulic system                   |      |
| Hydraulic system                   |      |
| Air inlet and exhaust              |      |
| Labels, kits and diagnostics       |      |

2P-6189 FASTENER GP-OIL PAN

2P6189 OIL PAN FASTENER GROUP

Drawing 1 of 1



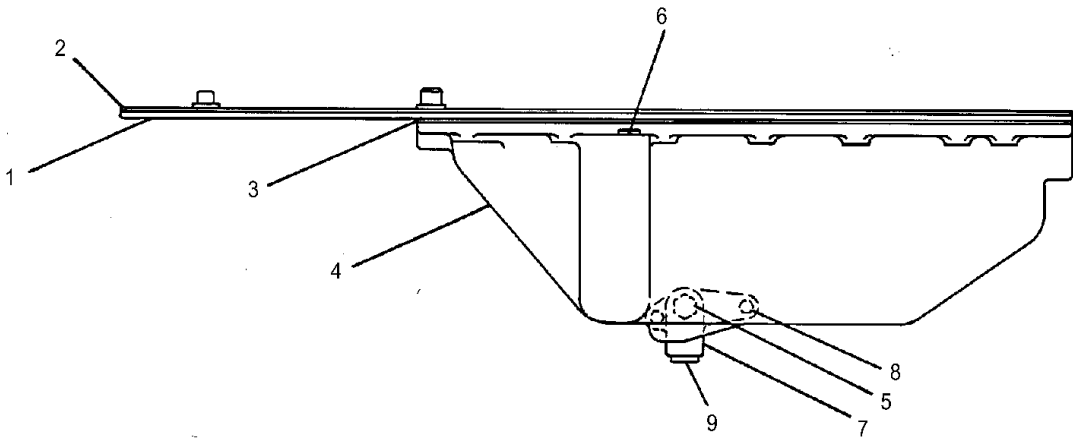
| Ref. | Part number | Description           | Qty | Code | Group page |
|------|-------------|-----------------------|-----|------|------------|
| 1    | 0S-1594     | BOLT 2.54CM(1IN)LG    | 12  | C    |            |
| 2    | 0S-1591     | BOLT 3.81CM(1.5IN)LG  | 17  | C    |            |
| 3    | 0T-0573     | BOLT 6.98CM(2.75IN)LG | 6   | C    |            |
| 4    | 0L-1143     | BOLT 6.35CM(2.50IN)LG | 1   | C    |            |
| 5    | 5M-2894     | WASHER                | 36  | C    |            |

CAT codes: C.

2P-6155 PAN GP-OIL

2P6155 OIL PAN GROUP ENGINE SERIAL NO. 7Z1055 TO 7Z2512 INCLUSIVE

Drawing 1 of 1



| REF. NO. | PART NUMBER | DESCRIPTION        | QTY |
|----------|-------------|--------------------|-----|
| 1        | 2 P2351     | PLATE ASSEM. ----- | 1   |
| 2        | 5 S6045     | GASKET-----        | 1   |
| 3        | 8 S1963     | GASKET-----        | 1   |
| C 4      | 7N2942      | PAN-----           | 1   |
| 5        | 4 B7739     | PLUG-----          | 1   |
| C 6      | 2 B858      | PLUG-----          | 1   |
| C 7      | 8N6849      | ADAPTER-----       | 1   |
| C 7      | 8N6854      | GASKET-----        | 1   |
| C 8      | 3 B1915     | BOLT-----          | 2   |
| C 9      | 1 B5174     | PLUG-----          | 1   |

C INDICATES CHANGE

227293

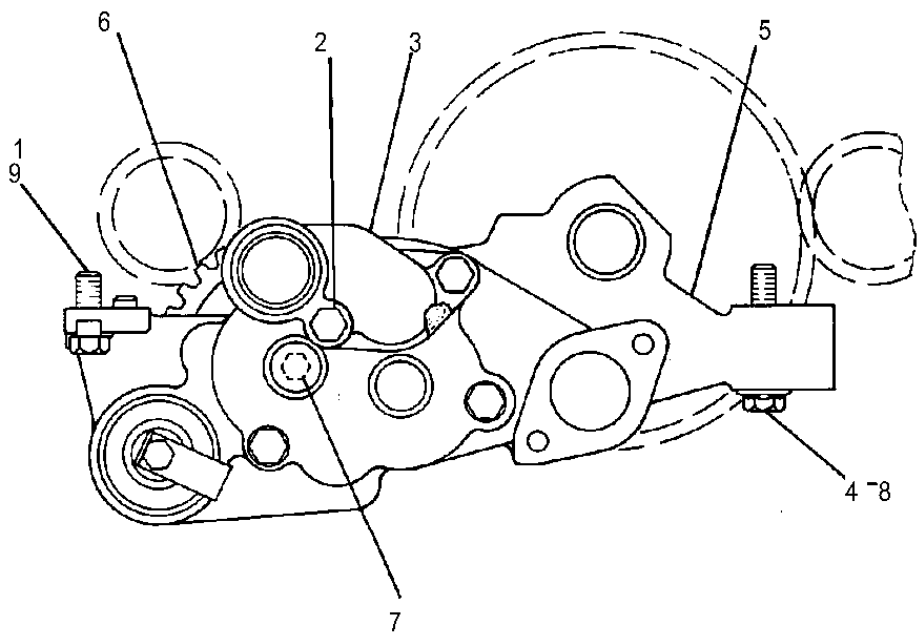
| Ref. | Part number | Description  | Qty | Code | Group page |
|------|-------------|--------------|-----|------|------------|
| 1    | 2P-2351     | PLATE ASSEM. | 1   |      |            |
| 2    | 5S-6045     | GASKET       | 1   |      |            |
| 3    | 8S-1963     | GASKET       | 1   |      |            |
| 4    | 7N-2942     | PAN          | 1   | C    |            |
| 5    | 4B-7739     | PLUG         | 1   |      |            |
| 6    | 2B-0858     | PLUG         | 1   | C    |            |
| 7    | 8N-6849     | ADAPTER      | 1   | C    |            |
|      | 8N-6854     | GASKET       | 1   | C    |            |
| 8    | 3B-1915     | BOLT         | 2   | C    |            |
| 9    | 1B-5174     | PLUG         | 1   | C    |            |

CAT codes: C.

2P-1784 PUMP GP-ENGINE OIL

2P1784 OIL PUMP GROUP 2P1785 PUMP PARTS ARE SHOWN ON PAGE 26

Drawing 1 of 1



| Ref.                                         | Part number | Description                    | Qty | Code | Group page |
|----------------------------------------------|-------------|--------------------------------|-----|------|------------|
| 1                                            | 8M-7587     | LOCK-NUT                       | 2   |      |            |
| 2                                            | 2P-3210     | BOLT-WASHER HEAD               | 1   |      |            |
| OR alternate consist option CAT source: -OR- |             |                                |     |      |            |
|                                              | 0S-1619     | BOLT (STD HEX HEAD)            | 1   | C    |            |
| 3                                            | 4N-5353     | ELBOW-LINE                     | 1   |      |            |
|                                              | 2P-8746     | GASKET                         | 1   |      |            |
| 4                                            | 2P-3206     | BOLT-WASHER HEAD               | 3   |      |            |
| OR alternate consist option CAT source: -OR- |             |                                |     |      |            |
|                                              | 0S-1590     | BOLT (STD HEX HEAD)            | 3   |      |            |
| 5                                            | 2P-1785     | PUMP GP-ENGINE OIL             | 1   | YR   |            |
| 6                                            | 8S-0497     | GEAR-OIL PUMP INPUT (40 TEETH) | 1   | C    |            |
|                                              | 8M-5599     | KEY-SPECIAL WOODRUFF           | 1   | C    |            |
| 7                                            | 0S-1590     | BOLT                           | 1   | C    |            |
|                                              | 1P-7346     | WASHER                         | 1   | C    |            |
| 8                                            | 5M-2894     | WASHER                         | 2   | C    |            |

2P-1784 PUMP GP-ENGINE OIL (continued)

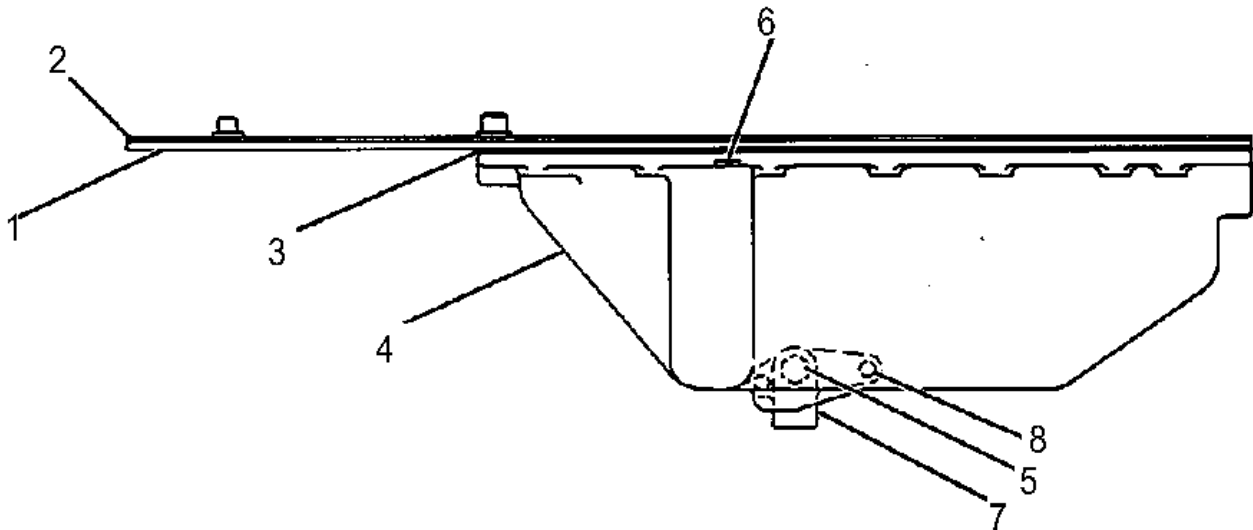
| Ref.                                         | Part number | Description              | Qty | Code | Group page |
|----------------------------------------------|-------------|--------------------------|-----|------|------------|
| 9                                            | 1A-2029     | BOLT 28.5MM(1.25IN)LONG  | 2   |      |            |
| OR alternate consist option CAT source: -OR- |             |                          |     |      |            |
|                                              | 3B-1915     | BOLT 34.9MM(1.375IN)LONG | 2   | C    |            |

CAT codes: C, R, Y.

2P-6155 PAN GP-OIL

2P6155 OIL PAN GROUP ENGINE SERIAL NO. 7Z2513-UP

Drawing 1 of 1



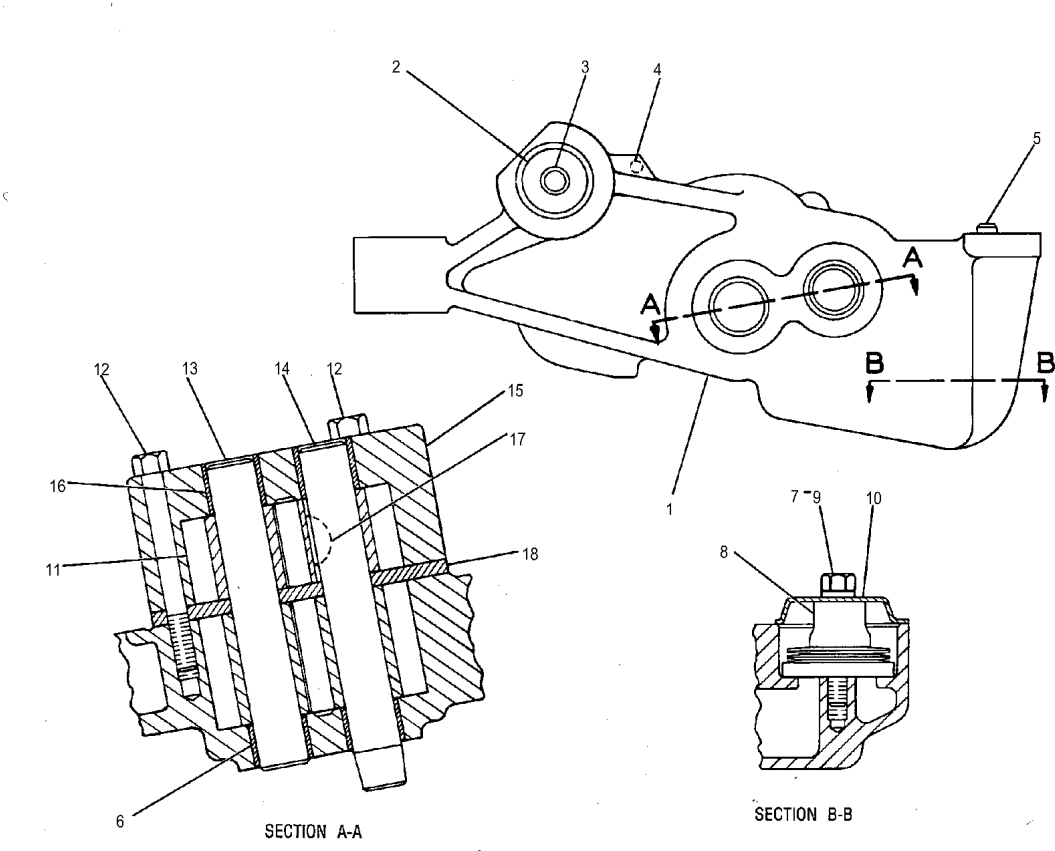
| Ref. | Part number | Description      | Qty | Code | Group page |
|------|-------------|------------------|-----|------|------------|
| 1    | 2P-2351     | PLATE AS-OIL PAN | 1   |      |            |
| 2    | 5S-6045     | GASKET-PAN PLATE | 1   |      |            |
| 3    | 8S-1963     | GASKET-OIL PAN   | 1   |      |            |
| 4    | 7N-2942     | PAN-OIL          | 1   |      |            |
| 5    | 5N-8780     | PLUG-DRAIN       | 1   | C    |            |
| 6    | 8T-6762     | PLUG-PIPE        | 1   |      |            |
| 7    | 8N-6849     | ADAPTER-PLUG     | 1   |      |            |
|      | 8N-6854     | GASKET-ADAPTER   | 1   |      |            |
| 8    | 3B-1915     | BOLT             | 2   |      |            |

CAT codes: C.

2P-1785 PUMP GP-ENGINE OIL

2P1785 OIL PUMP GROUP\*R PART OF 2P1784 OIL PUMP GROUP SHOWN ON PAGE 25

Drawing 1 of 1



| Ref. | Part number | Description             | Qty | Code | Group page |
|------|-------------|-------------------------|-----|------|------------|
| 1    | 8N-8636     | BODY AS-OIL PUMP        | 1   | C    |            |
| 2    | 2P-1170     | SHAFT AS-GEAR           | 1   |      |            |
| 3    | 6F-7172     | PIN-DOWEL               | 1   |      |            |
| 4    | 4B-9880     | BALL                    | 1   |      |            |
| 5    | 1F-1006     | DOWEL                   | 1   |      |            |
| 6    | 8S-6511     | BEARING-SLEEVE          | 2   |      |            |
| 7    | 9M-1974     | WASHER                  | 1   |      |            |
| 8    | 4N-8385     | VALVE AS-RELIEF         | 1   |      |            |
| 9    | 2B-2694     | BOLT                    | 1   |      |            |
| 10   | 4N-3732     | COVER-VALVE             | 1   |      |            |
| 11   | 6N-1036     | GEAR-OIL PUMP (8 TEETH) | 2   |      |            |
| 12   | 0T-0065     | BOLT                    | 2   | C    |            |
| 13   | 8S-0493     | SHAFT AS-PUMP           | 1   |      |            |
| 14   | 2P-6245     | SHAFT AS-PUMP           | 1   |      |            |
| 15   | 4N-4055     | BODY AS-PUMP            | 1   |      |            |

2P-1785 PUMP GP-ENGINE OIL (continued)

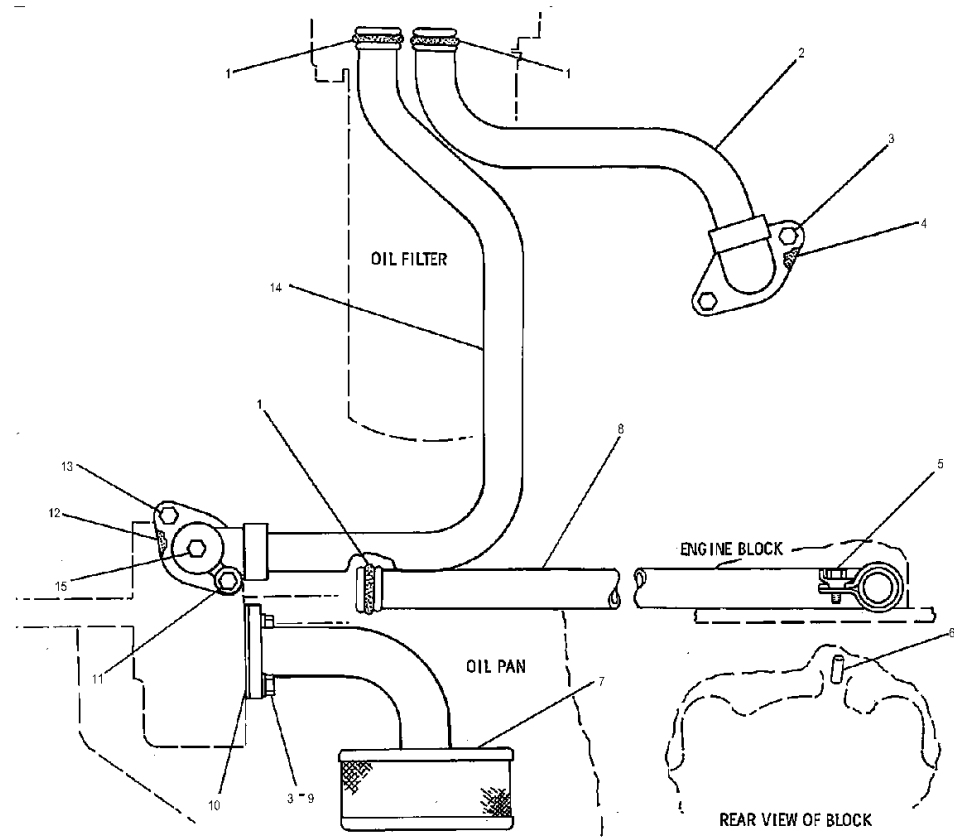
| Ref. | Part number | Description     | Qty | Code | Group page |
|------|-------------|-----------------|-----|------|------------|
| 16   | 8S-6511     | BEARING-SLEEVE  | 2   |      |            |
| 17   | 1B-8709     | KEY-WOODRUFF    | 1   |      |            |
| 18   | 2P-1781     | SPACER-OIL PUMP | 1   |      |            |

CAT codes: C.

7N-1719 LINES GP-ENGINE OIL

7N1719 ENGINE OIL LINES GROUP

Drawing 1 of 1



| REF. NO. | PART NUMBER | DESCRIPTION                    | QTY. |
|----------|-------------|--------------------------------|------|
| 1        | 9M4849      | SEAL-----                      | 3    |
| 2        | 7N2365      | TUBE ASSEM. -----(outlet)----- | 1    |
| 3        | S1594       | BOLT-----                      | 4    |
| 4        | 7F7590      | GASKET-----                    | 1    |
| 5        | 4F29        | BOLT-----                      | 1    |
|          | L364        | LOCK-----                      | 1    |
| 6        | 2S1541      | ORIFICE-----                   | 4    |
| 7        | 2P1776      | BELL ASSEM.-----               | 1    |
| 8        | 2P744       | TUBE ASSEM.-----               | 1    |
| 9        | 8S8874      | LOCK-----                      | 1    |
| 10       | 8M904       | GASKET-----                    | 1    |
| 11       | L2070       | BOLT-----                      | 1    |
| 12       | 2M5407      | GASKET-----                    | 1    |
| 13       | 1A2029      | BOLT-----                      | 1    |
| 14       | 1N4789      | TUBE ASSEM. -----(inlet)-----  | 1    |
| 15       | 5M6213      | (Includes)<br>PLUG-----        | 1    |

233354

| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 9M-4849     | SEAL                 | 3   |      |            |
| 2    | 7N-2365     | TUBE ASSEM. (outlet) | 1   |      |            |
| 3    | 0S-1594     | BOLT                 | 4   |      |            |
| 4    | 7F-7590     | GASKET               | 1   |      |            |
| 5    | 4F-0029     | BOLT                 | 1   |      |            |
|      | 0L-0364     | LOCK                 | 1   |      |            |
| 6    | 2S-1541     | ORIFICE              | 4   |      |            |
| 7    | 2P-1776     | BELL ASSEM.          | 1   |      |            |
| 8    | 2P-0744     | TUBE ASSEM.          | 1   |      |            |
| 9    | 8S-8874     | LOCK                 | 1   |      |            |
| 10   | 8M-0904     | GASKET               | 1   |      |            |
| 11   | 0L-2070     | BOLT                 | 1   |      |            |
| 12   | 2M-5407     | GASKET               | 1   |      |            |
| 13   | 1A-2029     | BOLT                 | 1   |      |            |

7N-1719 LINES GP-ENGINE OIL (continued)

| Ref.       | Part number | Description         | Qty | Code | Group page |
|------------|-------------|---------------------|-----|------|------------|
| 14         | 1N-4789     | TUBE ASSEM. (inlet) | 1   |      |            |
| (Includes) |             |                     |     |      |            |
| 15         | 5M-6213     | PLUG                | 1   |      |            |

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