

# CATERPILLAR C13

EMS / SEBP5501

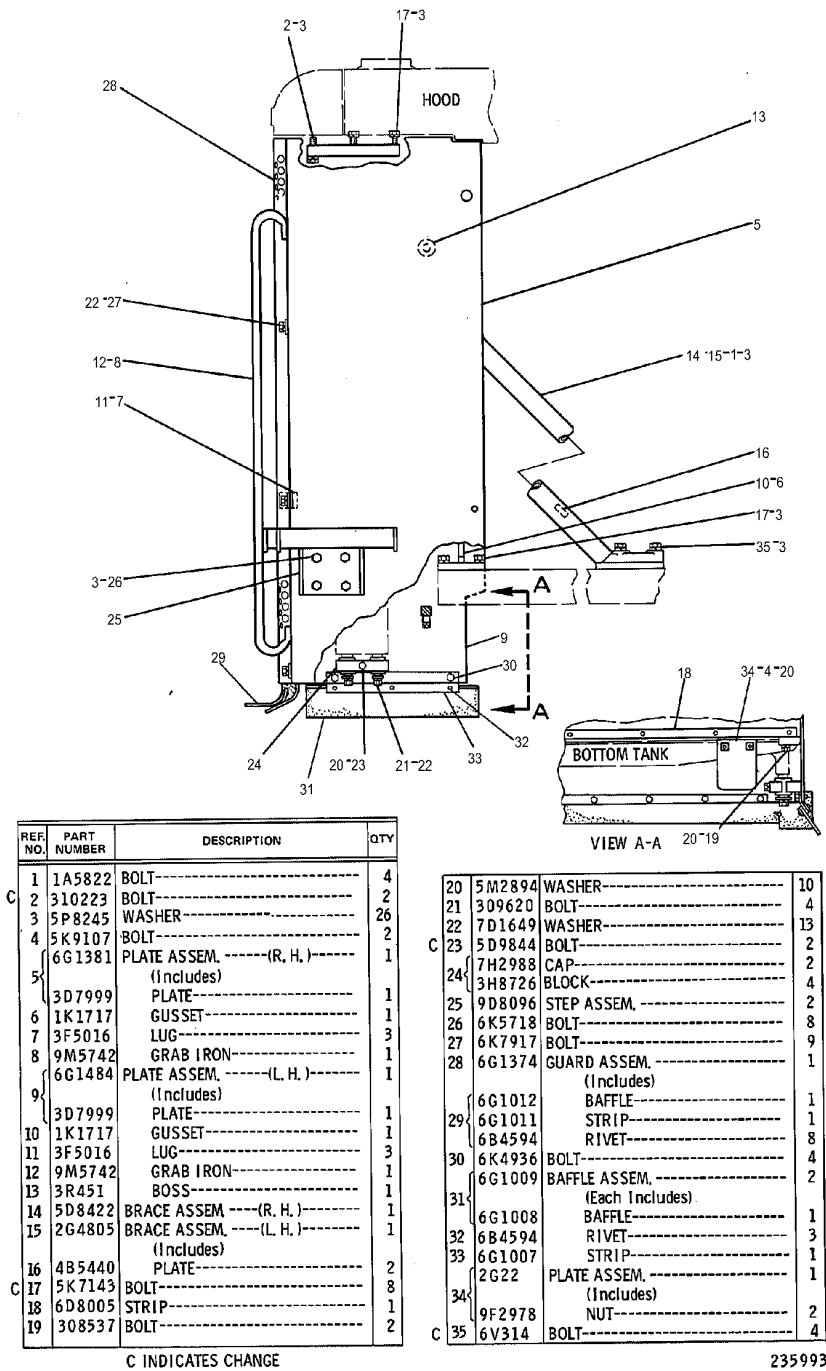
## Contents

| Section                            | Page |
|------------------------------------|------|
| <a href="#">Lubrication system</a> | 2    |
| Cooling system                     |      |
| Air inlet and exhaust              |      |
| Fuel system                        |      |
| Electrical and electronics         |      |
| Basic engine                       |      |
| Basic engine                       |      |
| Electrical and electronics         |      |

247-9664 BASE GP-OIL FILTER -ENGINE

247-9664 BASE GP-OIL FILTER -ENGINE PART OF 247-9665 BASE GP-OIL FILTER

Drawing 1 of 1



| Ref. | Part number | Description                  | Qty | Code | Group page |
|------|-------------|------------------------------|-----|------|------------|
| 1    | 4N-8150     | SPRING                       | 2   |      |            |
| 2    | 7C-3081     | SPACER (6.88X9.53X50-MM THK) | 1   |      |            |
| 3    | 7C-3082     | RETAINER                     | 1   |      |            |
| 4    | 7C-3083     | SEAT-RELIEF VALVE SPRING     | 1   |      |            |
| 5    | 7C-3954     | SPRING AS                    | 1   |      |            |

## 247-9664 BASE GP-OIL FILTER -ENGINE (continued)

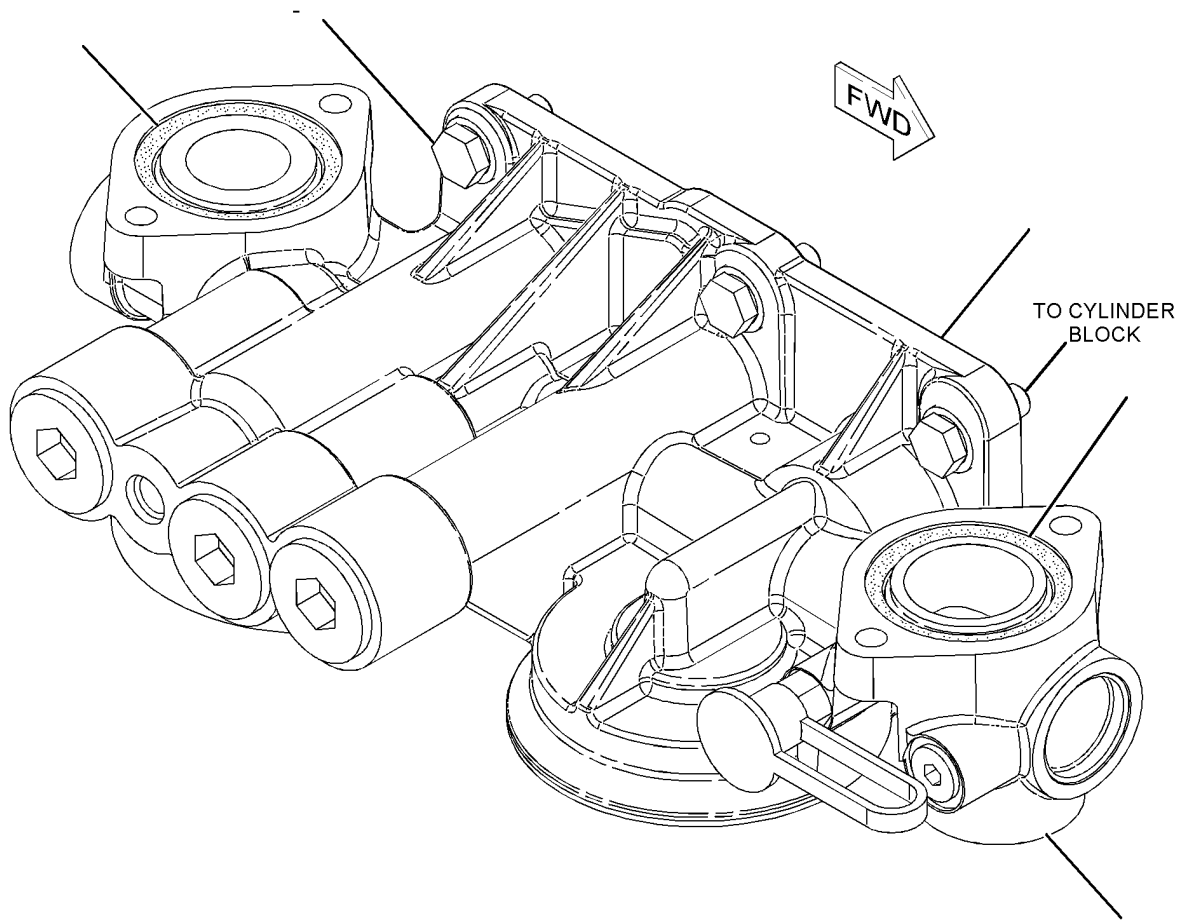
| Ref.            | Part number | Description                          | Qty | Code | Group page |
|-----------------|-------------|--------------------------------------|-----|------|------------|
| 6               | 8C-3445     | CAP-DUST                             | 1   |      |            |
| 7               | 392-9208    | PLUNGER-VALVE (RELIEF)               | 2   |      |            |
| 8               | 224-3405    | VALVE AS (OIL PUMP BYPASS)           | 1   |      |            |
| 9               | 251-6668    | BASE AS-OIL FILTER                   | 1   |      |            |
|                 | 2P-4304     | STUD-HOLLOW                          | 1   |      |            |
|                 | 3B-0623     | PLUG-CUP (25.73-MM OD)               | 1   |      |            |
|                 | 3P-1896     | PLUG-CUP (35.31-MM OD)               | 2   |      |            |
|                 | 7W-6390     | STUD-FILTER BASE                     | 1   |      |            |
| 10              | 1A-2170     | SPRING-RETAINER                      | 1   |      |            |
| 11              | 321-8649    | VALVE AS-FLUID SAMPLING (ENGINE OIL) | 1   |      |            |
| 11A             | 214-7566    | SEAL-O-RING                          | 1   |      |            |
|                 | 8C-3446     | VALVE-SAMPLING (ENGINE OIL)          | 1   |      |            |
| 12              | 183-3407    | PLUG AS                              | 1   |      |            |
| 12A             | 214-7568    | SEAL-O-RING                          | 1   |      |            |
|                 | 9S-8004     | PLUG (9/16-18-THD)                   | 1   |      |            |
| 13              | 319-6234    | PLUG AS                              | 3   |      |            |
| (EACH INCLUDES) |             |                                      |     |      |            |
| 13A             | 238-5084    | SEAL-O-RING                          | 1   |      |            |
|                 | 9S-9334     | PLUG (1-5/16-12-THD)                 | 1   |      |            |
| 14              | 6V-8359     | BOLT (M6X1X70-MM)                    | 1   | M    |            |

CAT codes: M.

247-9665 BASE GP-OIL FILTER -ENGINE

247-9665 BASE GP-OIL FILTER -ENGINE Type 1 CANNOT BE USED WITH RH STARTER GPS

Drawing 1 of 1



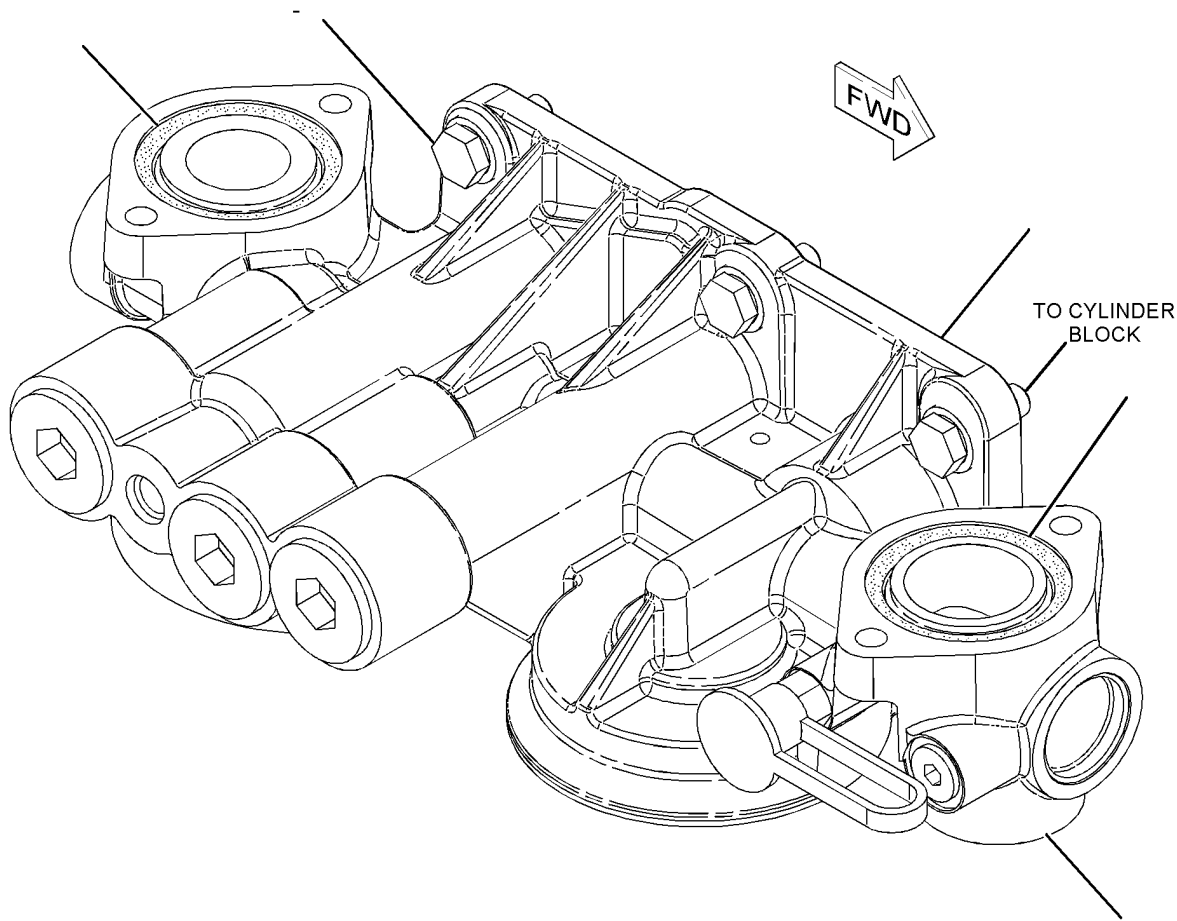
| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 1    | 134-5245    | BOLT (M10X1.5X30-MM)        | 6   | M    |            |
| 2    | 227-4892    | GASKET                      | 1   |      |            |
| 3    | 247-9664    | BASE GP-OIL FILTER (ENGINE) | 1   | Y    |            |
| 4    | 113-5304    | SEAL-O-RING                 | 2   |      |            |
| 5    | 6V-5839     | WASHER (11X21X2.5-MM THK)   | 6   |      |            |

CAT codes: M, Y.

247-9665 BASE GP-OIL FILTER -ENGINE

247-9665 BASE GP-OIL FILTER -ENGINE Type 2 CANNOT BE USED WITH RH STARTER GPS

Drawing 1 of 1



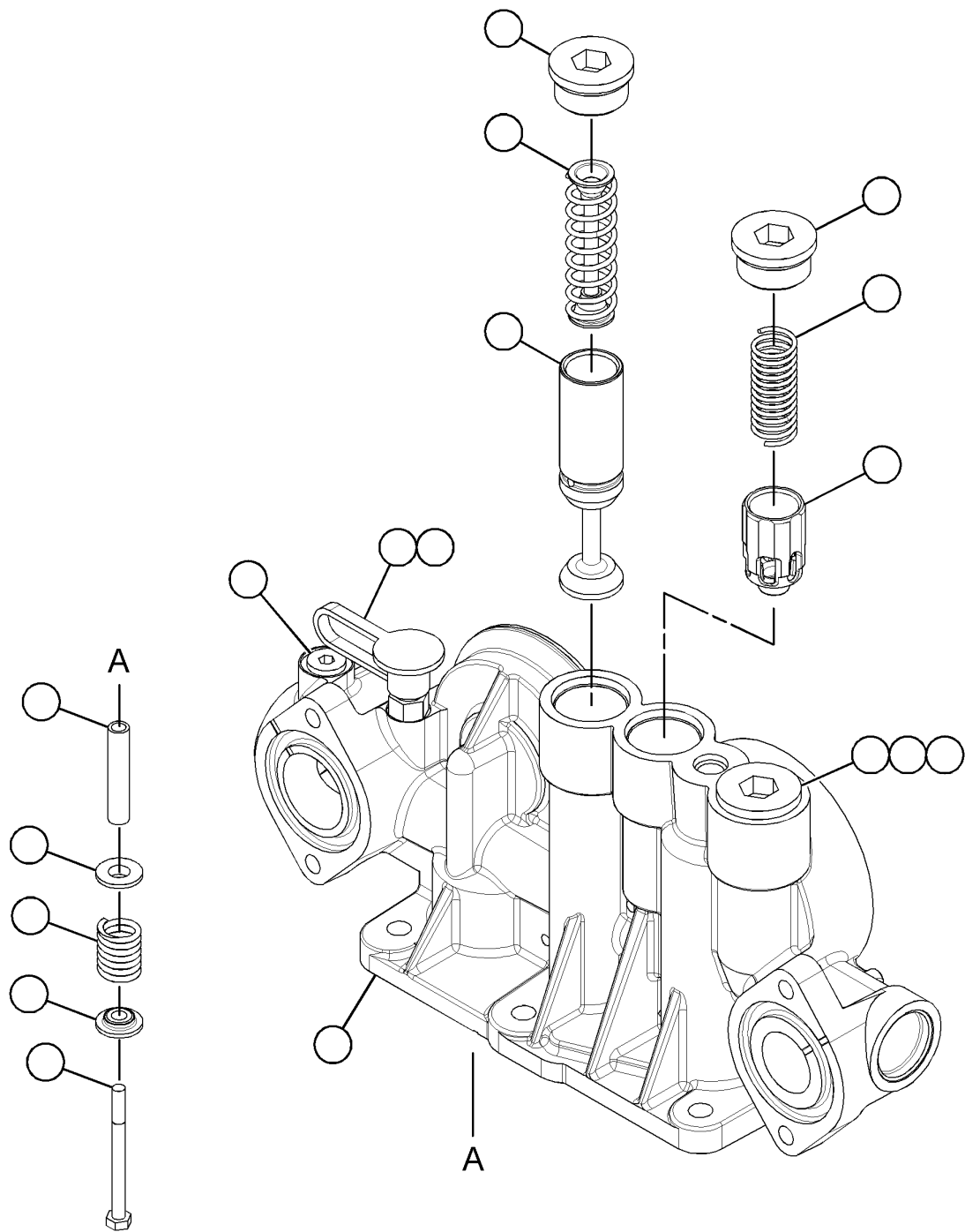
| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 1    | 134-5245    | BOLT (M10X1.5X30-MM)        | 6   | M    |            |
| 2    | 227-4892    | GASKET                      | 1   |      |            |
| 3    | 530-2297    | BASE GP-OIL FILTER (ENGINE) | 1   | CY   |            |
| 4    | 113-5304    | SEAL-O-RING                 | 2   |      |            |
| 5    | 6V-5839     | WASHER (11X21X2.5-MM THK)   | 6   |      |            |

CAT codes: C, M, Y.

530-2297 BASE GP-OIL FILTER

530-2297 BASE GP-OIL FILTER PART OF 247-9665 BASE GP-OIL FILTER

Drawing 1 of 1



| Ref. | Part number | Description                  | Qty | Code | Group page |
|------|-------------|------------------------------|-----|------|------------|
| 1    | 4N-8150     | SPRING                       | 2   |      |            |
| 2    | 7C-3081     | SPACER (6.88X9.53X50-MM THK) | 1   |      |            |
| 3    | 7C-3082     | RETAINER                     | 1   |      |            |
| 4    | 7C-3083     | SEAT-RELIEF VALVE SPRING     | 1   |      |            |
| 5    | 7C-3954     | SPRING AS                    | 1   |      |            |

## 530-2297 BASE GP-OIL FILTER (continued)

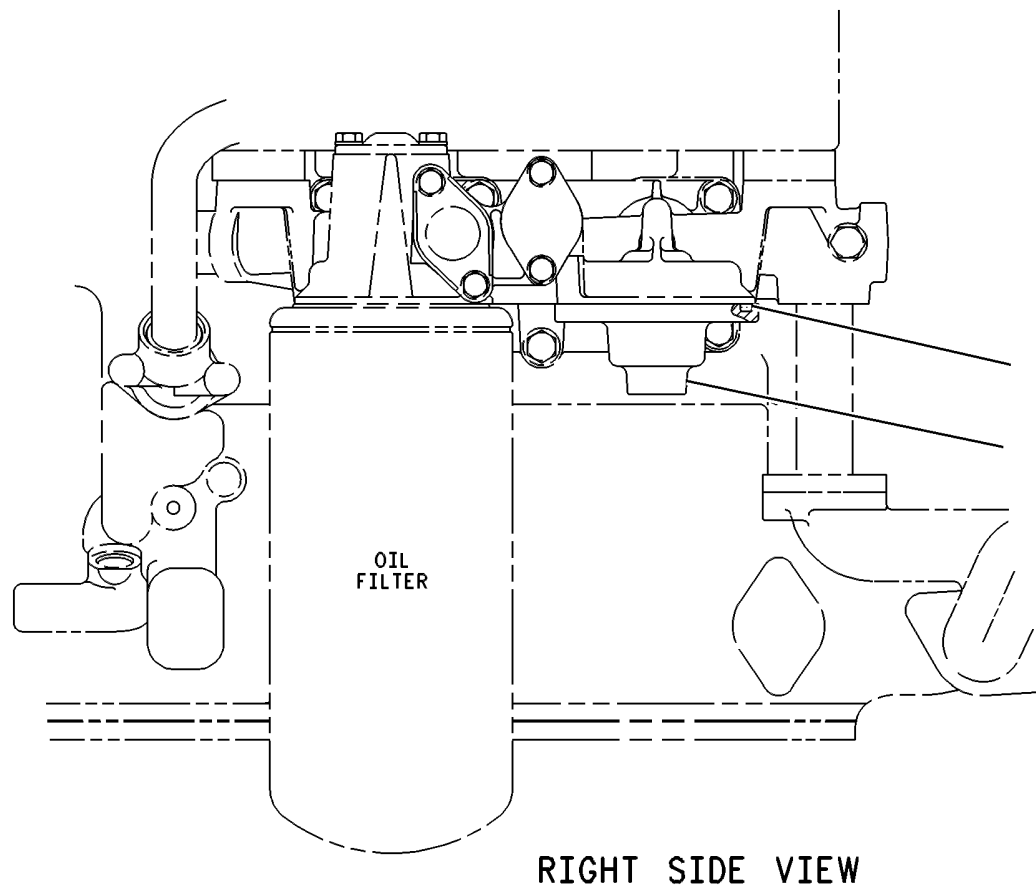
| Ref.            | Part number | Description                          | Qty | Code | Group page |
|-----------------|-------------|--------------------------------------|-----|------|------------|
| 6               | 224-3405    | VALVE AS (OIL PUMP BYPASS)           | 1   |      |            |
| 7               | 251-6668    | BASE AS-OIL FILTER                   | 1   |      |            |
|                 | 2P-4304     | STUD-HOLLOW                          | 1   |      |            |
|                 | 3B-0623     | PLUG-CUP (25.73-MM OD)               | 1   |      |            |
|                 | 3P-1896     | PLUG-CUP (35.31-MM OD)               | 2   |      |            |
|                 | 7W-6390     | STUD-FILTER BASE                     | 1   |      |            |
| 8               | 319-6234    | PLUG AS                              | 3   |      |            |
| (EACH INCLUDES) |             |                                      |     |      |            |
|                 | 9S-9334     | PLUG (1-5/16-12-THD)                 | 1   |      |            |
|                 | 238-5084    | SEAL-O-RING                          | 1   |      |            |
| 9               | 392-9208    | PLUNGER-VALVE (RELIEF)               | 2   |      |            |
| 10              | 183-3407    | PLUG AS                              | 1   |      |            |
|                 | 9S-8004     | PLUG (9/16-18-THD)                   | 1   |      |            |
|                 | 214-7568    | SEAL-O-RING                          | 1   |      |            |
| 11              | 321-8649    | VALVE AS-FLUID SAMPLING (ENGINE OIL) | 1   |      |            |
|                 | 8C-3446     | VALVE-SAMPLING (ENGINE OIL)          | 1   |      |            |
|                 | 214-7566    | SEAL-O-RING                          | 1   |      |            |
| 12              | 368-3986    | SPRING                               | 1   |      |            |
| 13              | 6V-8359     | BOLT (M6X1X70-MM)                    | 1   | M    |            |
| 14              | 8C-3445     | CAP-DUST                             | 1   |      |            |

CAT codes: M.

117-2786 COVER GP-OIL FILTER BASE -ENGINE

117-2786 COVER GP-OIL FILTER BASE -ENGINE NO BYPASS

Drawing 1 of 1

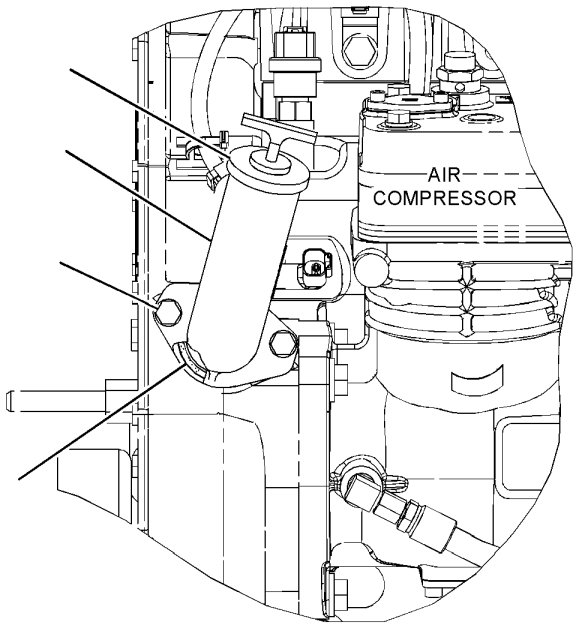


| Ref. | Part number | Description       | Qty | Code | Group page |
|------|-------------|-------------------|-----|------|------------|
| 1    | 7C-9542     | COVER-FILTER BASE | 1   |      |            |
| 2    | 5S-9134     | SEAL-O-RING       | 1   |      |            |

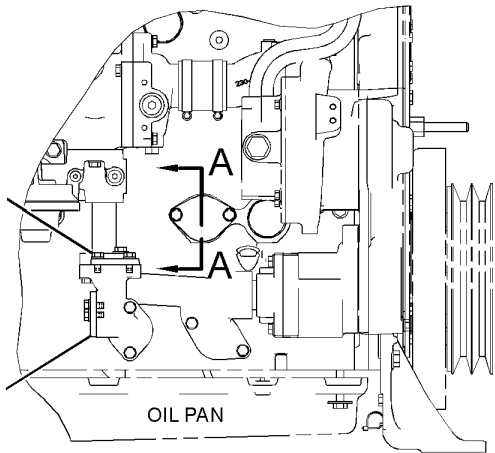
244-8676 FILLER GP-ENGINE OIL -LEFT FRONT

244-8676 FILLER GP-ENGINE OIL -LEFT FRONT

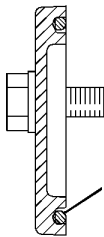
Drawing 1 of 1



LEFT SIDE VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE



SECTION A-A

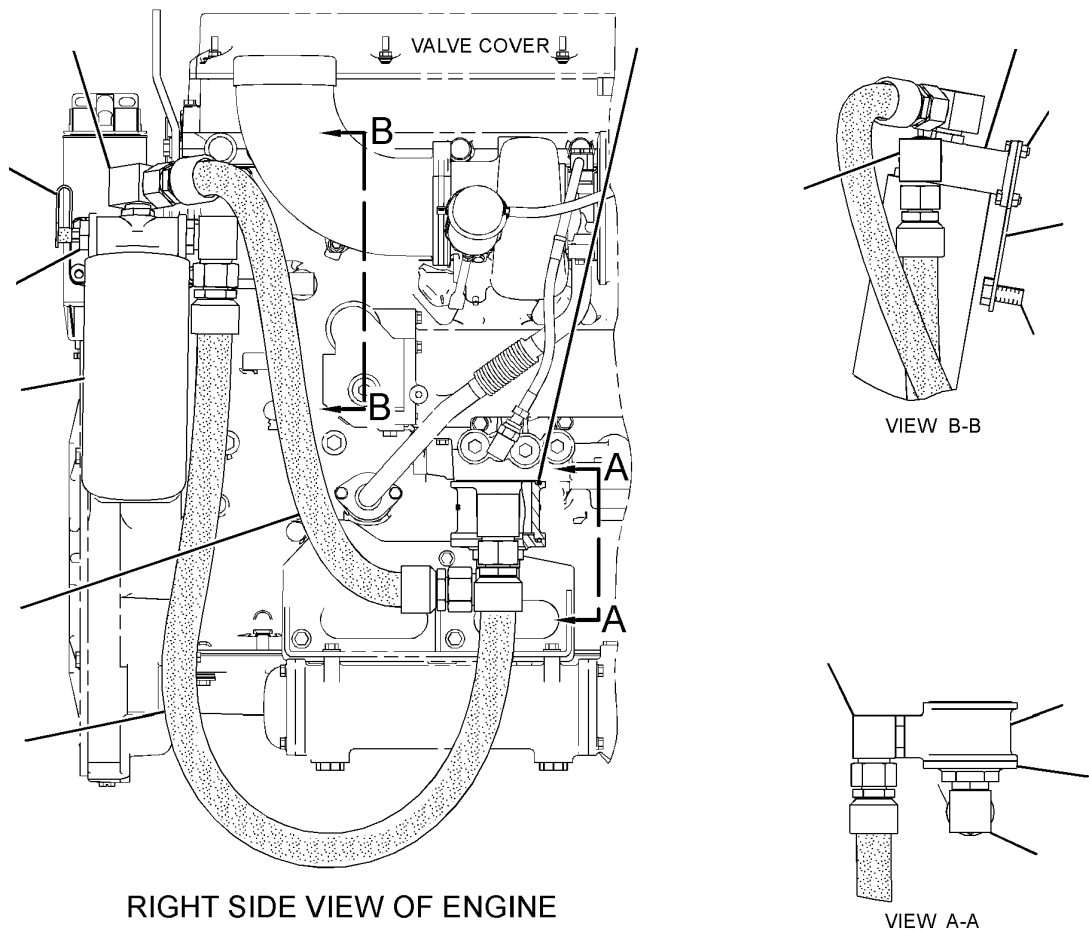
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 068-4497    | CAP-OIL FILLER (ENGINE)       | 1   |      |            |
| 2    | 7C-1445     | COVER                         | 3   |      |            |
| 3    | 264-4288    | TUBE-OIL FILLER               | 1   |      |            |
| 4    | 061-9455    | SEAL-O-RING                   | 4   |      |            |
| 5    | 6V-3940     | BOLT (M8X1.25X25-MM)          | 6   | M    |            |
| 6    | 6V-5217     | BOLT (M8X1.25X20-MM)          | 2   | M    |            |
| 7    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 8   |      |            |

CAT codes: M.

317-0986 FILTER GP-ENGINE OIL

317-0986 FILTER GP-ENGINE OIL S/N EMS1-6

Drawing 1 of 1



| Ref. | Part number | Description                             | Qty | Code | Group page |
|------|-------------|-----------------------------------------|-----|------|------------|
| 1    | 1P-9462     | HOSE AS                                 | 2   | I    |            |
| 2    | 8C-3445     | CAP-DUST                                | 1   |      |            |
| 3    | 8D-8428     | ADAPTER                                 | 1   |      |            |
| 4    | 190-1106    | BASE AS-OIL FILTER                      | 1   |      |            |
|      | 2P-4304     | STUD-HOLLOW                             | 1   |      |            |
| 5    | 292-8185    | ADAPTER                                 | 1   |      |            |
| 6    | 316-1807    | COVER                                   | 1   |      |            |
| 7    | 317-2407    | PLATE                                   | 1   |      |            |
| 8    | 008-6325    | ELBOW                                   | 2   |      |            |
| 9    | 1R-1808     | FILTER-ENGINE OIL (ADVANCED EFFICIENCY) | 1   |      |            |
| 10   | 2Y-5829     | NUT (M10X1.5-THD)                       | 2   | M    |            |
| 11   | 5P-7701     | SEAL-O-RING                             | 3   |      |            |
| 12   | 5P-7815     | SEAL-O-RING                             | 2   |      |            |
| 13   | 6M-5652     | ELBOW                                   | 2   |      |            |
| 14   | 6V-3908     | SEAL-O-RING                             | 2   |      |            |

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

EMS-SEBP5501

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**