

# CATERPILLAR G3520H

GFR / SEBP6781

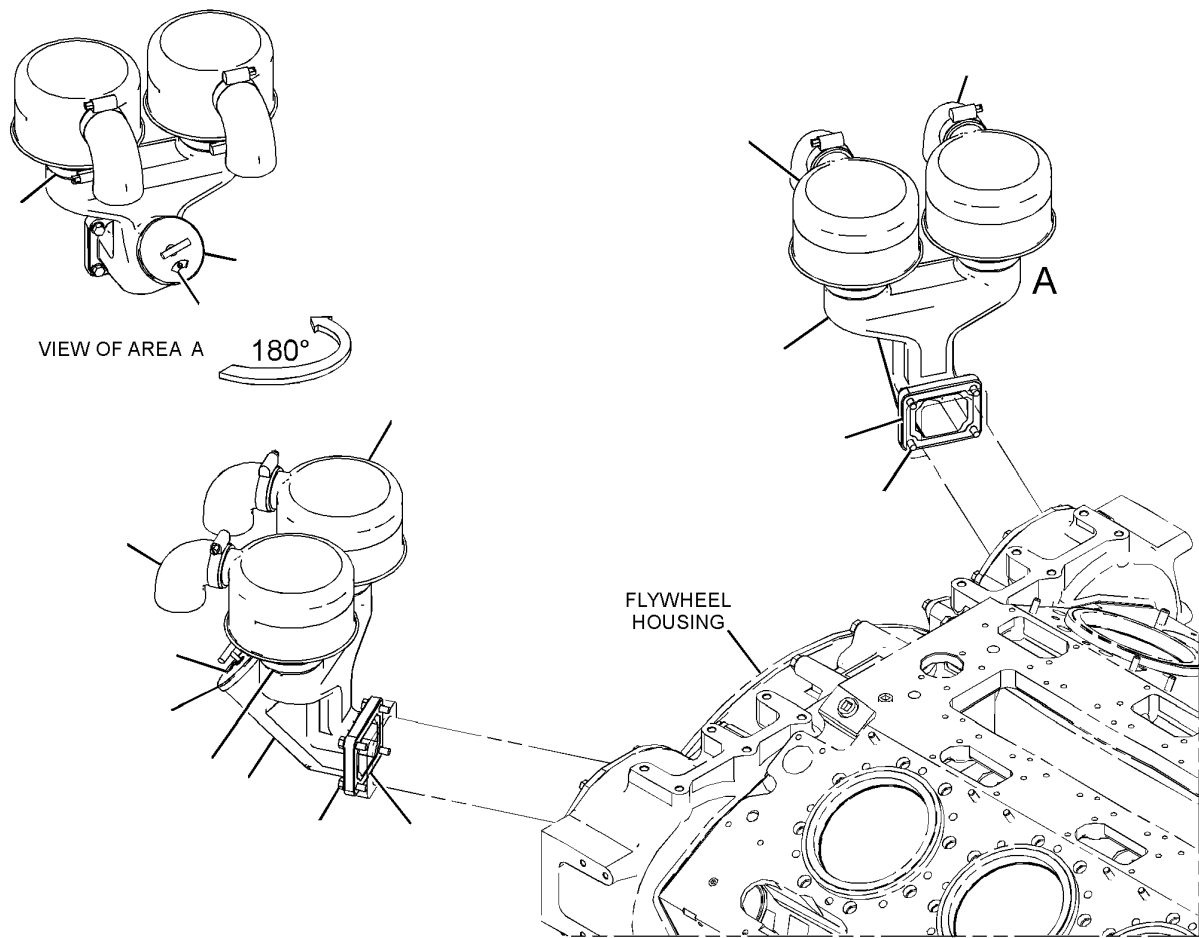
## Contents

| Section                            | Page |
|------------------------------------|------|
| <a href="#">Lubrication system</a> | 2    |
| Cooling system                     |      |
| Air inlet and exhaust              |      |
| Hydraulic system                   |      |
| Electrical and electronics         |      |
| Basic engine                       |      |
| Basic engine                       |      |
| Basic engine                       |      |
| Power train                        |      |
| Frame, guards and enclosure        |      |
| Undercarriage                      |      |
| Steering and brakes                |      |

377-2422 BREATHER GP -OIL FILL

377-2422 BREATHER GP -OIL FILL S/N GFR1-UP AN ATTACHMENT

Drawing 1 of 1

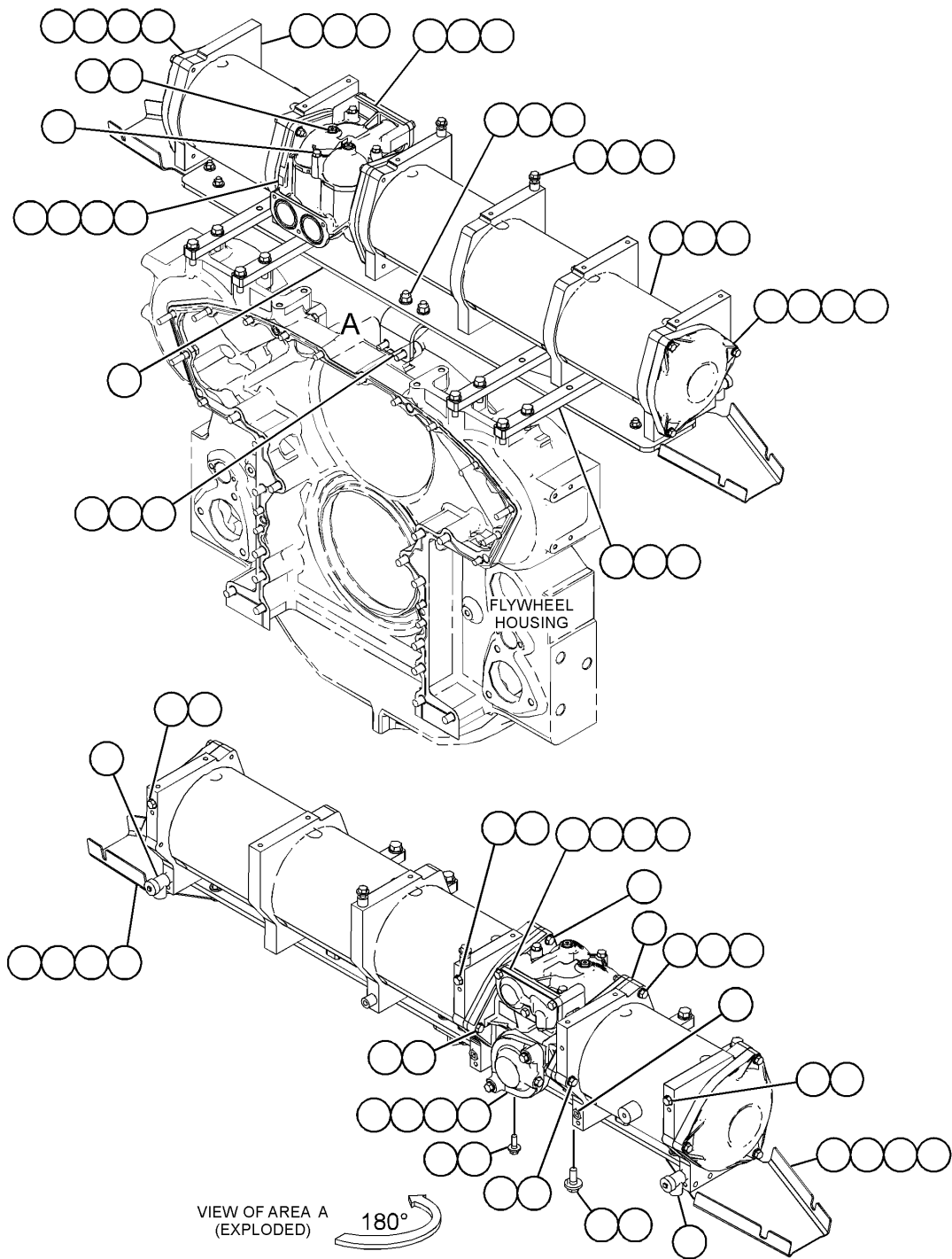


| Ref. | Part number | Description                           | Qty | Code | Group page |
|------|-------------|---------------------------------------|-----|------|------------|
| 1    | 2W-0752     | GASKET                                | 2   |      |            |
| 2    | 4W-3034     | CLAMP-HOSE                            | 4   |      |            |
| 3    | 5P-0597     | CLAMP-HOSE                            | 4   |      |            |
| 4    | 7L-4447     | CAP AS-ENGINE OIL FILLER              | 2   |      |            |
| 5    | 587-4394    | HOSE                                  | 4   |      |            |
| 6    | 211-3662    | ELBOW AS                              | 2   |      |            |
| 7    | 211-5897    | BREATHER AS (CRANKCASE)               | 4   |      |            |
| 8    | 033-6031    | SEAL-O-RING                           | 4   |      |            |
| 9    | 165-3928    | BOLT (3/8-16-THD)                     | 8   |      |            |
| 10   | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK)    | 8   |      |            |
| 11   | 5P-1175     | FILM-IDENTIFICATION (ENGINE OIL FILL) | 2   |      |            |

369-8960 FILTER GP-ENGINE OIL

369-8960 FILTER GP-ENGINE OIL S/N GFR1-UP AN ATTACHMENT

Drawing 1 of 1



| Ref. | Part number | Description                                        | Qty | Code | Group page |
|------|-------------|----------------------------------------------------|-----|------|------------|
| 1    | 1R-0726     | FILTER ELEMENT AS-ENGINE OIL (STANDARD EFFICIENCY) | 4   |      |            |
| 2    | 2W-1635     | SPRING                                             | 1   |      |            |
| 3    | 2W-1969     | VALVE-BYPASS (OIL COOLER)                          | 1   |      |            |
| 4    | 4W-5592     | COVER                                              | 1   |      |            |
| 5    | 4W-6387     | HOUSING AS (BYPASS)                                | 1   |      |            |

## 369-8960 FILTER GP-ENGINE OIL (continued)

| Ref.            | Part number | Description                        | Qty | Code | Group page |
|-----------------|-------------|------------------------------------|-----|------|------------|
|                 | 7N-2043     | DOWEL                              | 3   |      |            |
| 6               | 7F-0192     | BOLT (3/8-16X2-IN)                 | 6   |      |            |
| 7               | 111-8639    | COVER-BYPASS VALVE                 | 1   |      |            |
| 8               | 155-1690    | ADAPTER AS                         | 2   |      |            |
| (EACH INCLUDES) |             |                                    |     |      |            |
|                 | 154-1581    | RING-RETAINING                     | 1   |      |            |
| 9               | 157-0443    | COVER AS                           | 2   |      |            |
| (EACH INCLUDES) |             |                                    |     |      |            |
|                 | 7N-2043     | DOWEL                              | 1   |      |            |
| 10              | 278-1082    | HOUSING AS-FILTER (ENGINE OIL)     | 1   |      |            |
|                 | 4V-7412     | BOSS (3/8-16-THD)                  | 1   |      |            |
| 11              | 278-1083    | HOUSING AS-FILTER (AUXILIARY)      | 1   |      |            |
| 12              | 339-5148    | COVER                              | 1   |      |            |
| 13              | 358-6205    | BRACKET                            | 4   |      |            |
| 14              | 358-6208    | BRACKET AS                         | 1   |      |            |
| 15              | 359-4931    | BRACKET                            | 1   |      |            |
| 16              | 360-3677    | PLUG (7/16-20-THD)                 | 2   |      |            |
| 17              | 369-4534    | PLATE                              | 1   |      |            |
| 18              | 393-5575    | BRACKET                            | 1   |      |            |
| 19              | 0L-1143     | BOLT (3/8-16X2.5-IN)               | 1   |      |            |
| 20              | 165-3931    | BOLT (3/8-16X1.75-IN)              | 4   |      |            |
| 21              | 0S-1587     | BOLT (1/2-13X1.75-IN)              | 12  |      |            |
| 22              | 0S-1588     | BOLT (3/8-16X1.25-IN)              | 8   |      |            |
| 23              | 0S-1619     | BOLT (3/8-16X3-IN)                 | 2   |      |            |
| 24              | 0T-0573     | BOLT (3/8-16X2.75-IN)              | 3   |      |            |
| 25              | 165-3931    | BOLT (3/8-16X1.75-IN)              | 3   |      |            |
| 26              | 1A-2029     | BOLT (3/8-16X1.125-IN)             | 8   |      |            |
| 27              | 1F-7958     | NUT-FULL (1/2-13-THD)              | 4   |      |            |
| 28              | 1M-0644     | BOLT (3/8-16X2.25-IN)              | 3   |      |            |
| 29              | 214-7566    | SEAL-O-RING                        | 7   |      |            |
| 30              | 2S-5100     | VALVE-MANUAL                       | 2   |      |            |
| 31              | 5D-5957     | SEAL-O-RING                        | 1   |      |            |
| 32              | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 17  |      |            |
| 33              | 5P-4892     | SEAL-O-RING                        | 4   |      |            |
| 34              | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK)   | 18  |      |            |
| 35              | 6V-3907     | SEAL-O-RING                        | 6   |      |            |

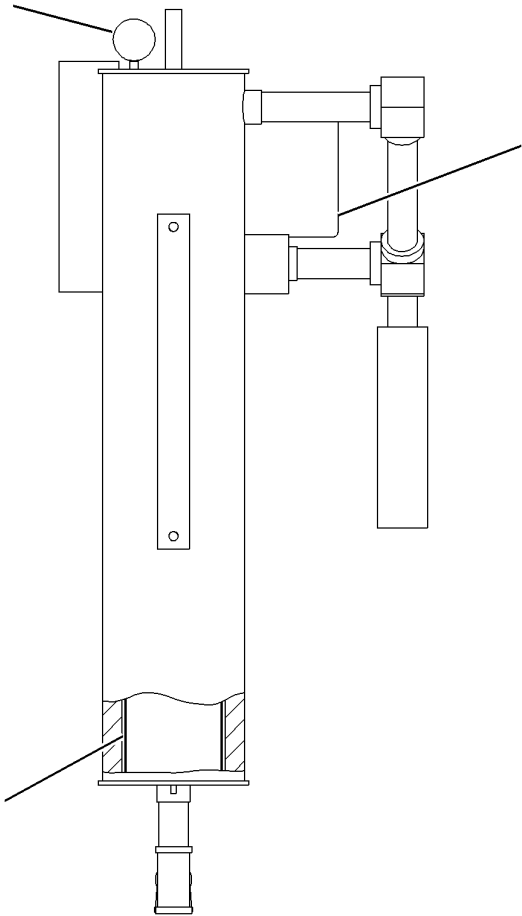
369-8960 FILTER GP-ENGINE OIL (continued)

| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 36   | 6V-8001     | SEAL-O-RING                      | 1   |      |            |
| 37   | 7B-3235     | BOLT (1/2-13X1.375-IN)           | 10  |      |            |
| 38   | 7D-1649     | WASHER-HARD (13.5X32X5-MM THK)   | 8   |      |            |
| 39   | 8T-6762     | PLUG-PIPE (1/2-14-THD)           | 2   |      |            |
| 40   | 9S-4182     | PLUG (7/16-20-THD)               | 5   |      |            |
| 41   | 9S-8752     | NUT-FULL (3/8-16-THD)            | 9   |      |            |
| 42   | 9V-9116     | SPACER (11.11X19.05X165-MM THK)  | 2   |      |            |
| 43   | 9X-6458     | WASHER-HARD (10.2X22.5X3-MM THK) | 24  |      |            |

191-2304 FILTER GP-FUMES DISPOSAL

191-2304 FILTER GP-FUMES DISPOSAL S/N GFR1-UP PART OF 389-8866 FILTER GP-FUMES DISPOSAL AN ATTACHMENT

Drawing 1 of 1

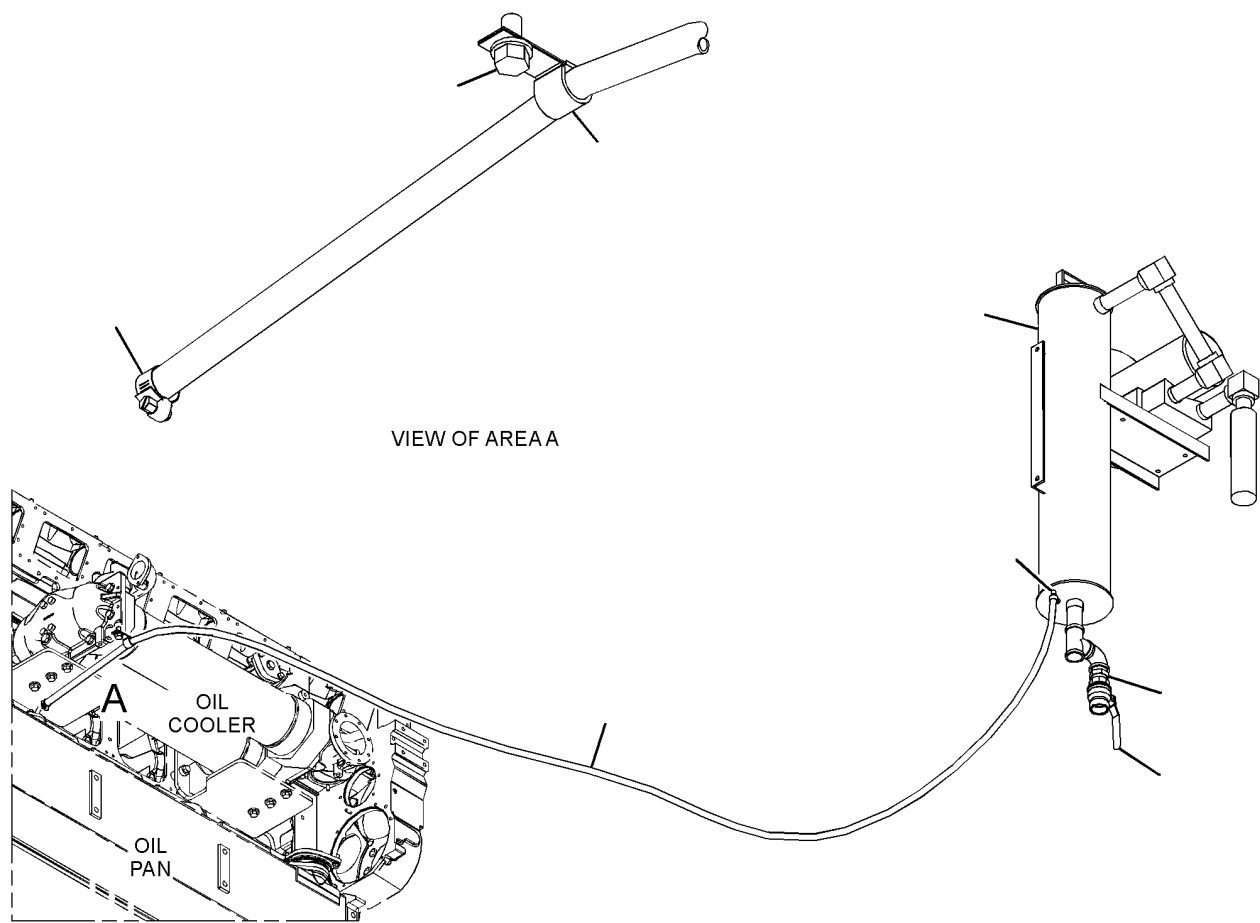


| Ref. | Part number | Description                                         | Qty | Code | Group page |
|------|-------------|-----------------------------------------------------|-----|------|------------|
| 1    | 196-9812    | BLOWER GP-FUMES DISPOSAL                            | 1   |      |            |
| 2    | 191-2373    | FILTER ELEMENT-BREATHER (CRANKCASE)(FUMES DISPOSAL) | 1   |      |            |
| 3    | 191-2302    | GAUGE GP-OIL FILTER PRESS DIFF                      | 1   |      |            |

389-8866 FILTER GP-FUMES DISPOSAL -CRANKCASE VENTILATION

389-8866 FILTER GP-FUMES DISPOSAL -CRANKCASE VENTILATION S/N GFR1-UP AN ATTACHMENT

Drawing 1 of 1



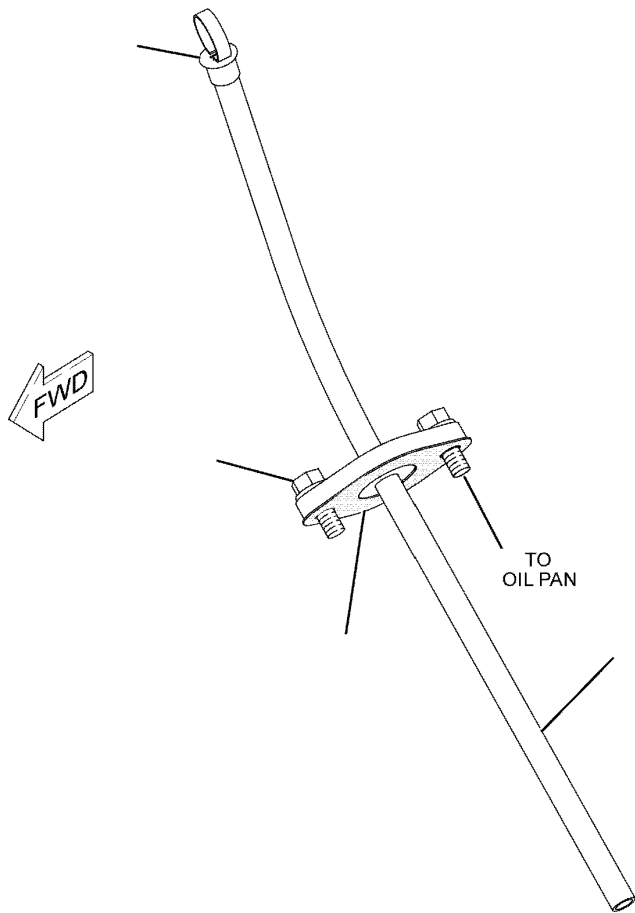
| Ref. | Part number | Description                                      | Qty | Code | Group page |
|------|-------------|--------------------------------------------------|-----|------|------------|
| 1    | 5P-4961     | CLAMP-HOSE                                       | 2   |      |            |
| 2    | 191-2304    | FILTER GP-FUMES DISPOSAL (CRANKCASE VENTILATION) | 1   | Y    |            |
| 3    | 1S-0178     | CONNECTOR-HOSE                                   | 1   |      |            |
| 4    | 1S-0996     | CLIP                                             | 1   |      |            |
| 5    | 5P-2228     | BOLT (1/2-13X1-IN)                               | 1   |      |            |
| 6    | 8T-4223     | WASHER-HARD (13.5X25.5X3-MM THK)                 | 1   |      |            |
| 7    | 423-1983    | HOSE (295-IN)                                    |     | G    |            |
| 8    | 109-5605    | ADAPTER-PIPE                                     | 1   |      |            |
| 9    | 7E-4444     | VALVE (FUEL SHUTOFF)                             | 1   |      |            |

CAT codes: G, Y.

377-2423 GAUGE GP-OIL LEVEL (DIPSTICK) -LH

377-2423 GAUGE GP-OIL LEVEL (DIPSTICK) -LH S/N GFR1-UP AN ATTACHMENT

Drawing 1 of 1

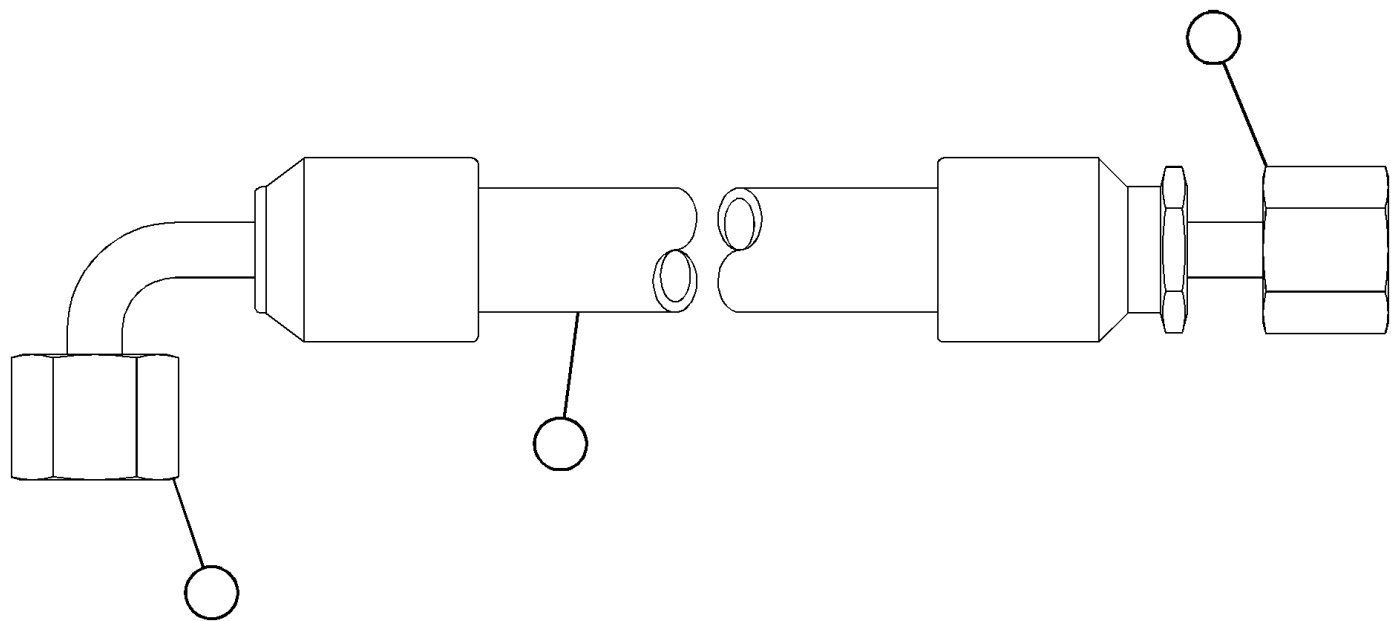


| Ref. | Part number | Description                        | Qty | Code | Group page |
|------|-------------|------------------------------------|-----|------|------------|
| 1    | 4P-3784     | GAUGE AS-OIL LEVEL (DIPSTICK)      | 1   |      |            |
| 2    | 7E-6341     | TUBE AS-OIL GAUGE                  | 1   |      |            |
| 3    | 9L-1480     | GASKET                             | 1   |      |            |
| 4    | 0S-1594     | BOLT (3/8-16X1-IN)                 | 2   |      |            |
| 5    | 5M-2894     | WASHER-HARD (10.2X18.5X2.5-MM THK) | 2   |      |            |

565-7355 HOSE AS

565-7355 HOSE AS S/N GFR1-UP SERVICE REPLACEMENT PART FOR USE WITH ESTER OIL AN ATTACHMENT

Drawing 1 of 1



| Ref. | Part number | Description        | Qty | Code | Group page |
|------|-------------|--------------------|-----|------|------------|
| 1    | 124-2111    | COUPLING-PERMANENT | 1   |      |            |
| 2    | 124-2140    | COUPLING-PERMANENT | 1   |      |            |
| 3    | 456-8555    | HOSE (51-CM)       |     | E    |            |

CAT codes: E.

599-5878 KIT-OIL COOLER & FILTER -ENGINE

599-5878 KIT-OIL COOLER & FILTER -ENGINE S/N GFR1-UP FIELD INSTALLATION

Kit / parts list. The current source card does not provide a separate drawing.

| Ref.                                        | Part number | Description                      | Qty | Code | Group page |
|---------------------------------------------|-------------|----------------------------------|-----|------|------------|
|                                             | 2W-4005     | RING-RETAINING                   | 7   |      |            |
|                                             | 4N-1320     | GASKET (ADAPTER)                 | 1   |      |            |
|                                             | 4W-0530     | RING-RETAINING                   | 3   |      |            |
|                                             | 5G-1442     | GASKET                           | 1   |      |            |
|                                             | 5P-4892     | SEAL-O-RING                      | 4   |      |            |
|                                             | 5P-8247     | WASHER-HARD (17X32X3.5-MM THK)   | 6   |      |            |
|                                             | 6V-1454     | SEAL-O-RING                      | 4   |      |            |
|                                             | 6V-5066     | SEAL-O-RING                      | 2   |      |            |
|                                             | 7S-8767     | GASKET                           | 4   |      |            |
|                                             | 8T-1919     | SEAL-O-RING                      | 5   |      |            |
|                                             | 9F-8127     | GASKET                           | 2   |      |            |
|                                             | 033-6031    | SEAL-O-RING                      | 2   |      |            |
|                                             | 109-0077    | SEAL-O-RING                      | 7   |      |            |
|                                             | 153-9963    | RING                             | 2   |      |            |
|                                             | 165-3930    | BOLT (3/8-16X1.625-IN)           | 12  |      |            |
|                                             | 213-9397    | SEAL-O-RING                      | 2   |      |            |
|                                             | 227-9012    | GASKET                           | 2   |      |            |
|                                             | 237-7623    | SEAL-O-RING                      | 2   |      |            |
|                                             | 357-8765    | GASKET                           | 1   |      |            |
|                                             | 431-0801    | FILTER ELEMENT AS-OIL            | 4   |      |            |
|                                             | 519-5853    | GASKET                           | 2   |      |            |
|                                             | 564-3244    | CORE AS-OIL COOLER               | 2   |      |            |
|                                             | 599-8151    | FILM-INFORMATION (ENGINE OIL)    | 1   |      |            |
|                                             | 599-8152    | FILM-INFORMATION (ENGINE OIL)    | 1   |      |            |
| (THE FOLLOWING PARTS ARE PART OF OIL LINES) |             |                                  |     |      |            |
|                                             | 5D-1026     | CLAMP-BAND                       | 2   |      |            |
|                                             | 8T-1897     | CLIP (SLOT)                      | 1   |      |            |
|                                             | 8T-1898     | CLIP (TAB)                       | 1   |      |            |
|                                             | 8T-4223     | WASHER-HARD (13.5X25.5X3-MM THK) | 1   |      |            |
|                                             | 8T-8919     | BOLT (1/2-13X1.75-IN)            | 1   |      |            |
|                                             | 332-8888    | SPACER (13.8X30X20-MM THK)       | 1   |      |            |
|                                             | 353-7952    | GROMMET                          | 1   |      |            |
|                                             | 9X-2375     | HOSE (137-IN)                    |     | G    |            |

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

GFR-SEBP6781

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**