

# CATERPILLAR CS-531D

AGH / KEBP0226

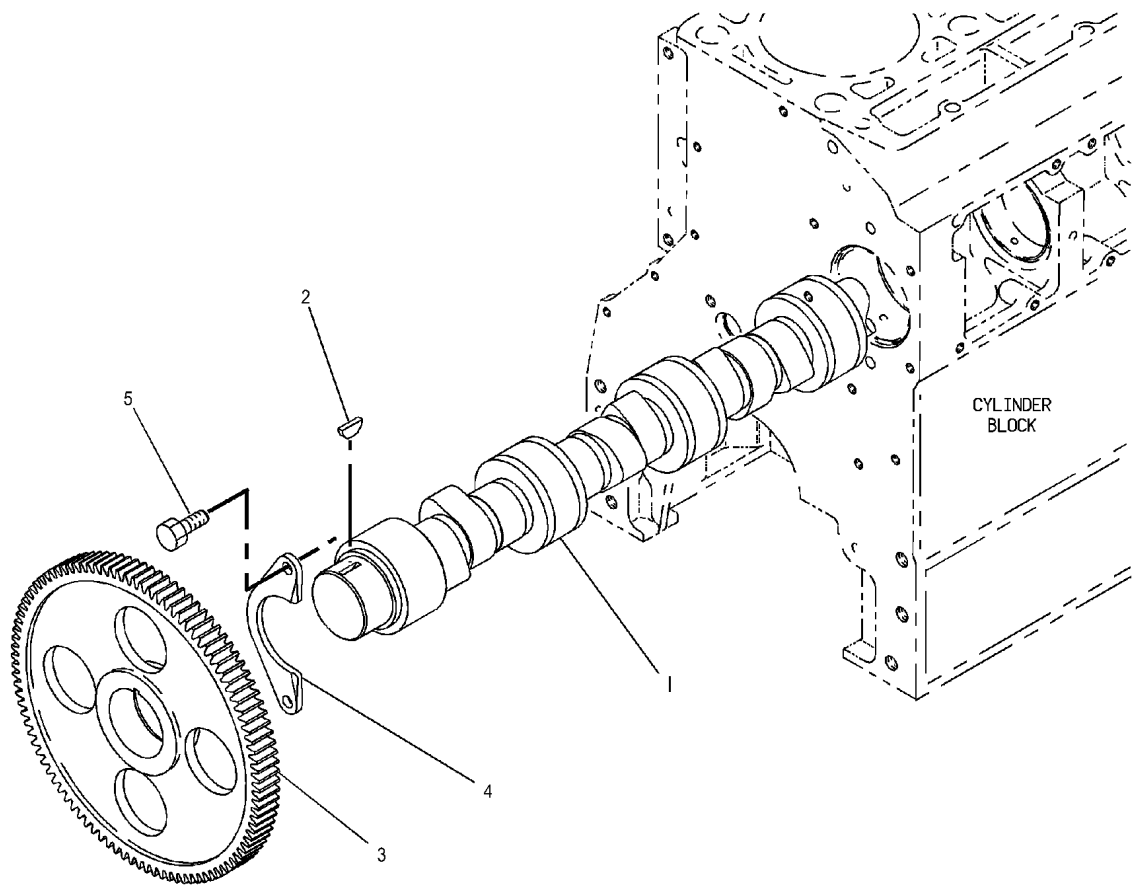
## Contents

| Section                     | Page |
|-----------------------------|------|
| Basic engine                | 2    |
| Lubrication system          |      |
| Cooling system              |      |
| Air inlet and exhaust       |      |
| Fuel system                 |      |
| Basic engine                |      |
| Basic engine                |      |
| Electrical and electronics  |      |
| Power train                 |      |
| Frame, guards and enclosure |      |
| Hydraulic system            |      |
| Hydraulic system            |      |
| Hydraulic system            |      |
| Air inlet and exhaust       |      |
| Catalog items               |      |

2W-9608 CAMSHAFT GP

2W-9608 CAMSHAFT GP S/N 4TF52183-UP PART OF 183-7992 ENGINE AR FOR USE WITH NON-SWIRL CYLINDER HEAD

Drawing 1 of 1



| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 7W-5426     | CAMSHAFT AS          | 1   |      |            |
| 2    | 1B-8705     | KEY-WOODRUFF         | 1   |      |            |
| 3    | 7W-4070     | GEAR (100-TEETH)     | 1   |      |            |
| 4    | 107-7694    | PLATE-THRUST         | 1   |      |            |
| 5    | 6V-3940     | BOLT (M8X1.25X25-MM) | 2   | M    |            |

CAT codes: M, R.

4W-3462 CARRIER GP-SEAL

4W-3462 CARRIER GP-SEAL S/N 4TF52183-UP PART OF 183-7992 ENGINE AR

Drawing 1 of 1



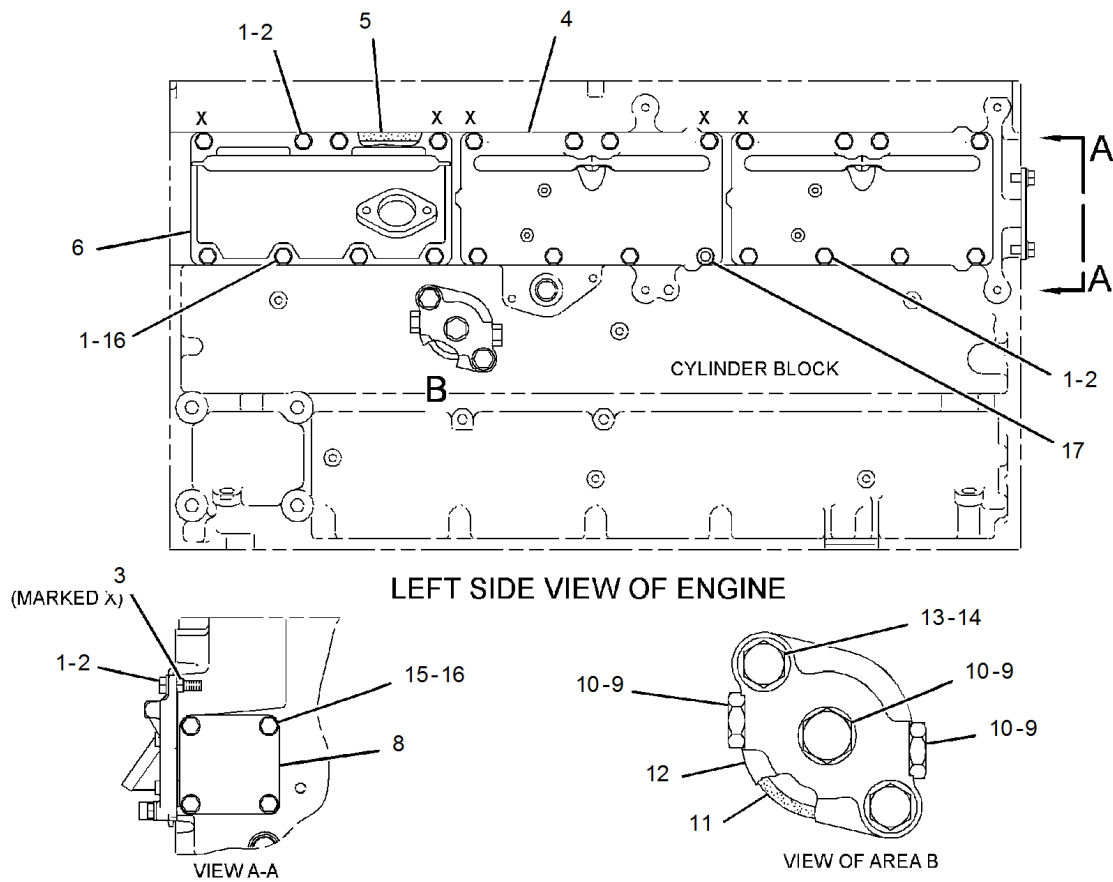
| Ref. | Part number | Description                   | Qty | Code | Group |
|------|-------------|-------------------------------|-----|------|-------|
|      |             |                               | .   |      | page  |
| 1    | 2W-6546     | COVER                         | 1   |      |       |
| 2    | 247-1876    | SEAL                          | 1   |      |       |
| 3    | 239-0583    | GASKET                        | 1   |      |       |
| 4    | 6V-3538     | DOWEL                         | 2   |      |       |
| 5    | 6V-3940     | BOLT (M8X1.25X25-MM)          | 8   | M    |       |
| 6    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 8   |      |       |
|      | 4C-9612     | SEALANT-SILICONE              |     | BF   |       |

CAT codes: B, F, M.

4P-0512 COVER GP-CYLINDER BLOCK

4P-0512 COVER GP-CYLINDER BLOCK S/N 4TF52183-UP PART OF 183-7992 ENGINE AR

Drawing 1 of 1



| Ref.            | Part number | Description                   | Qty | Code | Group page |
|-----------------|-------------|-------------------------------|-----|------|------------|
| 1               | 6V-2317     | BOLT (M8X1.25X30-MM)          | 23  | M    |            |
| 2               | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 19  |      |            |
| 3               | 7W-3872     | SLEEVE (LOCATIONS MARKED X)   | 6   |      |            |
| 4               | 277-4421    | COVER-SIDE                    | 2   |      |            |
| 5               | 4Y-9652     | GASKET                        | 3   |      |            |
| 6               | 7W-9395     | COVER-SIDE                    | 1   |      |            |
| 8               | 2W-6544     | COVER                         | 1   |      |            |
| 9               | 9S-4191     | PLUG (9/16-18-THD)            | 3   |      |            |
| 10              | 3J-1907     | SEAL-O-RING                   | 3   |      |            |
| 11              | 4F-9653     | SEAL-O-RING                   | 1   |      |            |
| 12              | 9Y-0747     | MANIFOLD-OIL                  | 1   |      |            |
| 13              | 6V-5842     | BOLT (M10X1.5X40-MM)          | 2   | M    |            |
| 14              | 6V-5839     | WASHER (11X21X2.5-MM THK)     | 2   |      |            |
| 15              | 110-7618    | BOLT AS                       | 4   |      |            |
| (EACH INCLUDES) |             |                               |     |      |            |

4P-0512 COVER GP-CYLINDER BLOCK (continued)

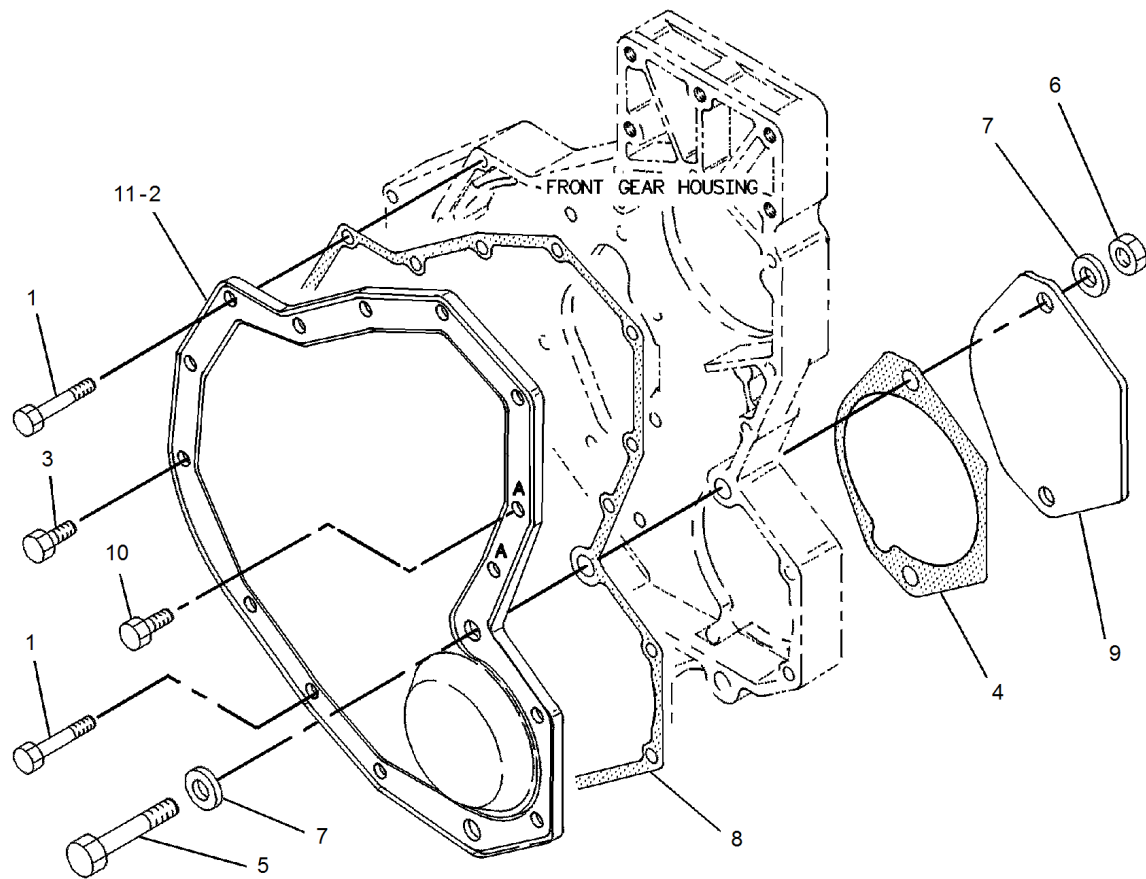
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
|      | 6V-5215     | BOLT (M8X1.25X16-MM)          | 1   | M    |            |
|      | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 1   |      |            |
| 16   | 175-1367    | SPACER (8.8X16X10-MM THK)     | 4   |      |            |
| 17   | 134-4640    | SPACER (9X15X15-MM THK)       | 1   |      |            |
|      | 1U-8846     | SEALANT-GASKET                |     | BF   |            |

CAT codes: B, F, M.

7L-0004 COVER GP-FRONT HOUSING

7L-0004 COVER GP-FRONT HOUSING S/N 4TF52183-UP PART OF 183-7992 ENGINE AR

Drawing 1 of 1



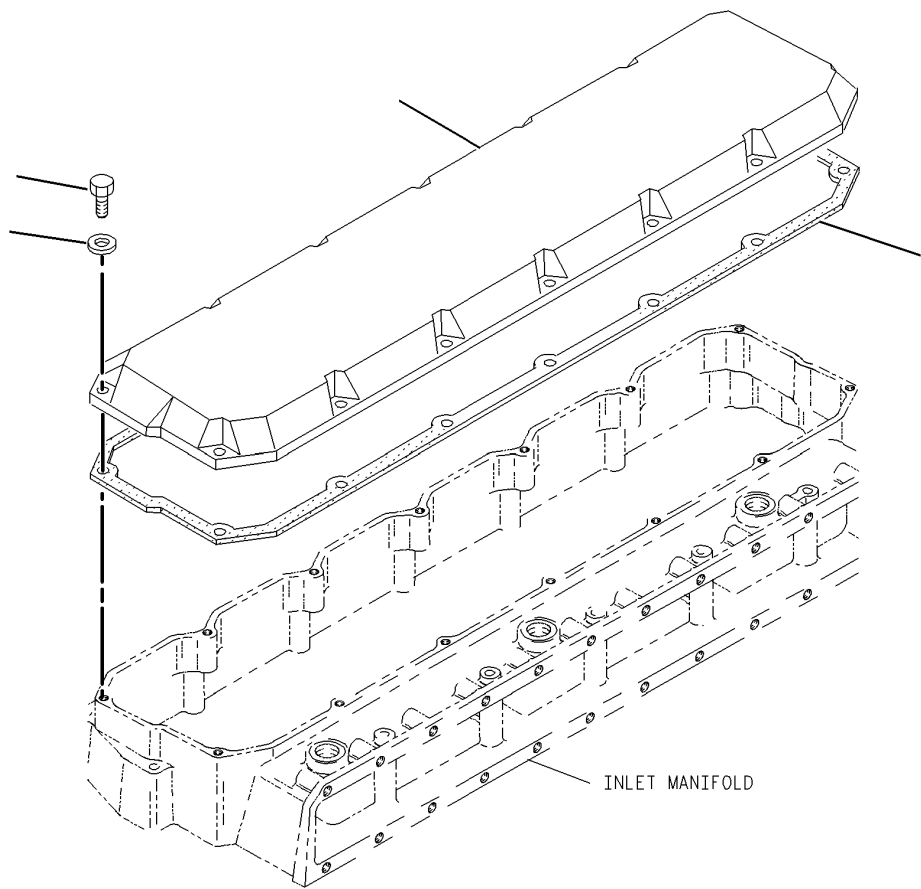
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 8T-0100     | BOLT (M8X1.25X60-MM)             | 2   | M    |            |
| 2    | 106-7920    | COVER AS-FRONT                   | 1   |      |            |
| 3    | 6V-2317     | BOLT (M8X1.25X30-MM)             | 10  | M    |            |
| 4    | 135-9819    | SEAL-INTEGRAL                    | 1   |      |            |
| 5    | 6V-8336     | BOLT (M12X1.75X70-MM)            | 2   | M    |            |
| 6    | 6V-8149     | NUT (M12X1.75-THD)               | 2   | M    |            |
| 7    | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 4   |      |            |
| 8    | 7W-6552     | GASKET                           | 1   |      |            |
| 9    | 4W-2026     | COVER                            | 1   |      |            |
| 10   | 6V-2317     | BOLT (M8X1.25X30-MM)             | 2   | BM   |            |
| 11   | 1U-8846     | SEALANT-GASKET                   |     | B    |            |

CAT codes: B, M.

4W-2172 COVER GP-VALVE MECHANISM

4W-2172 COVER GP-VALVE MECHANISM S/N 4TF52183-UP PART OF 183-7992 ENGINE AR

Drawing 1 of 1



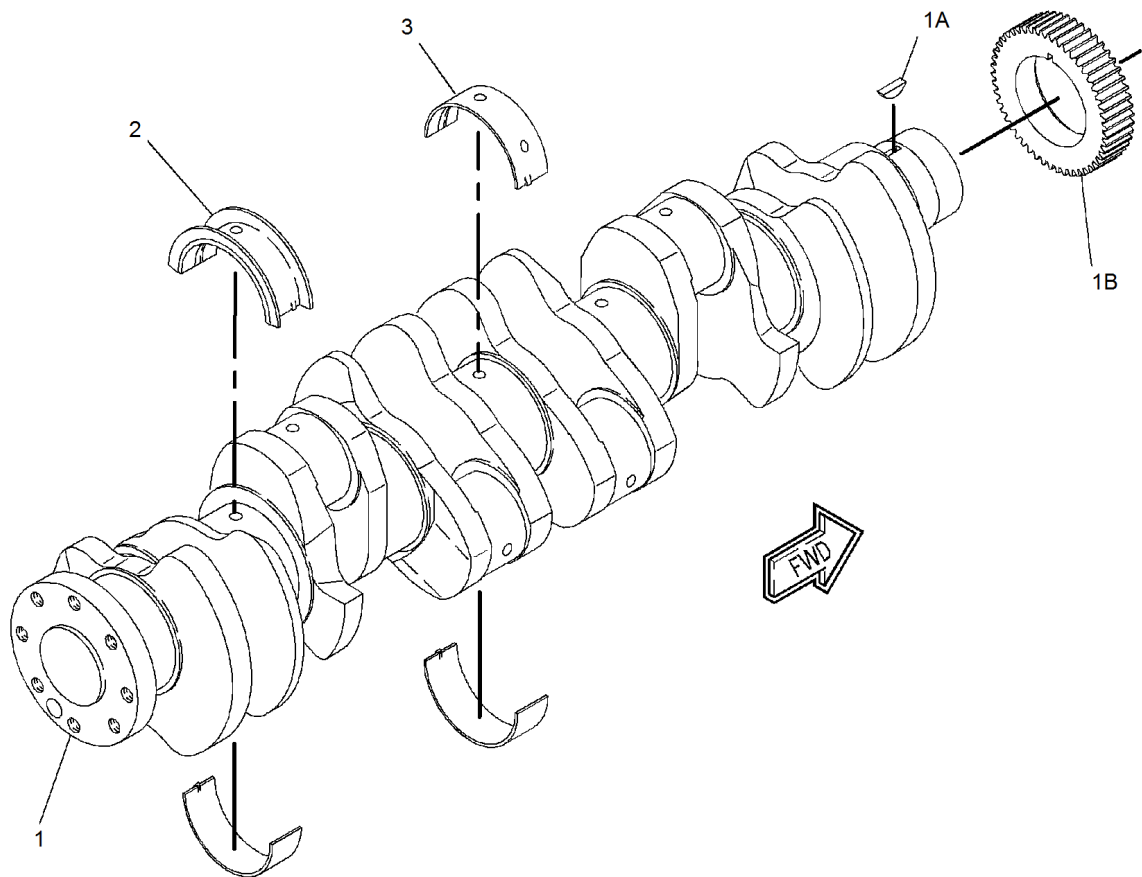
| Ref. | Part number | Description                     | Qty | Code | Group page |
|------|-------------|---------------------------------|-----|------|------------|
| 1    | 119-2940    | GASKET (VALVE COVER)            | 1   |      |            |
| 2    | 6V-2315     | BOLT (M6X1X35-MM)               | 14  | M    |            |
| 3    | 119-2960    | COVER                           | 1   |      |            |
| 4    | 5P-0537     | WASHER-HARD (7.2X14.5X2-MM THK) | 14  |      |            |

CAT codes: M.

4W-2197 CRANKSHAFT GP

4W-2197 CRANKSHAFT GP S/N 4TF52183-UP PART OF 183-7992 ENGINE AR

Drawing 1 of 1



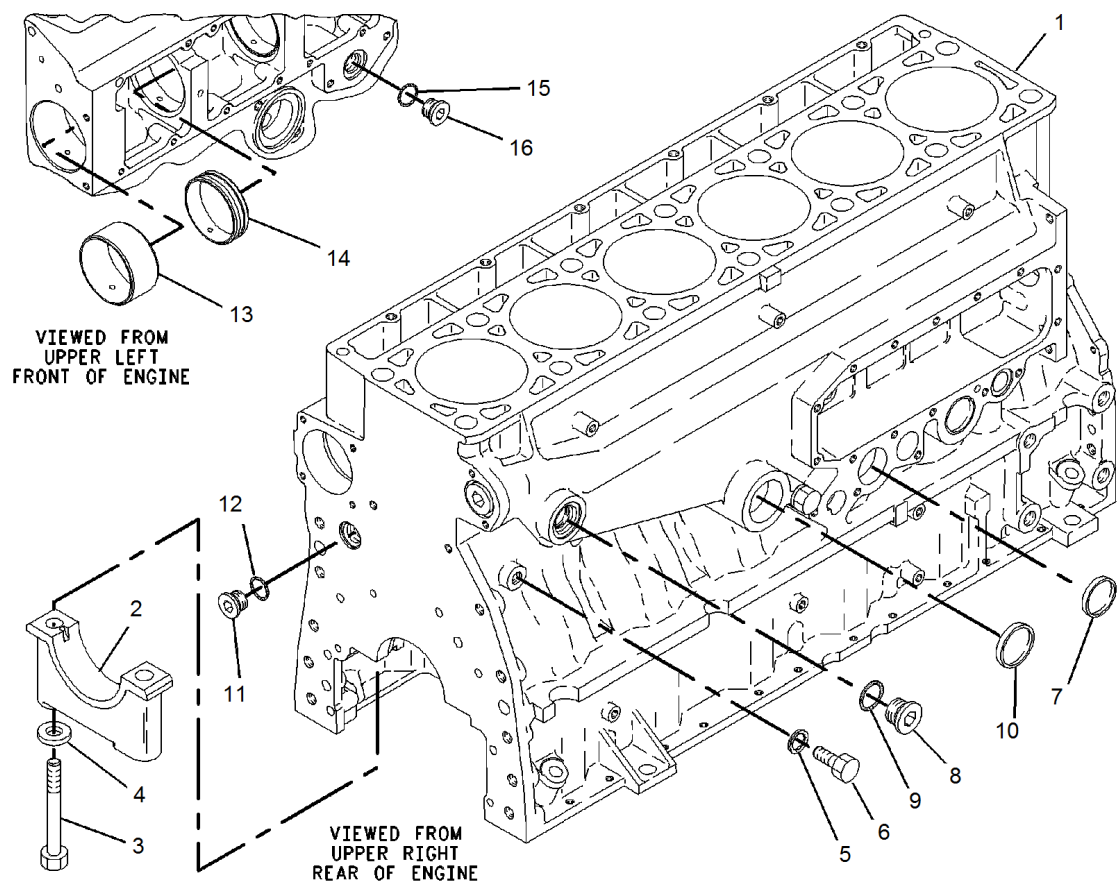
| Ref. | Part number | Description                           | Qty | Code | Group page |
|------|-------------|---------------------------------------|-----|------|------------|
| 1    | 489-2731    | CRANKSHAFT AS                         | 1   |      |            |
| 1A   | 1B-8705     | KEY-WOODRUFF                          | 1   |      |            |
| 1B   | 2W-8147     | GEAR (50-TEETH)                       | 1   |      |            |
| 2    | 212-4893    | BEARING-THRUST                        | 1   |      |            |
|      | 229-5153    | BEARING-THRUST (0.25-MM US)           |     | AB   |            |
|      | 229-5154    | BEARING-THRUST (0.5-MM US)            |     | AB   |            |
|      | 229-5155    | BEARING-THRUST (0.5-MM OS)            |     | AB   |            |
|      | 229-5156    | BEARING-THRUST (0.5-MM OS, 0.5-MM US) |     | AB   |            |
| 3    | 107-7708    | BEARING-MAIN                          | 6   |      |            |
|      | 145-0162    | BEARING-MAIN (0.25-MM US)             |     | AB   |            |
|      | 145-0164    | BEARING-MAIN (0.5-MM US)              |     | AB   |            |
|      | 145-0168    | BEARING-MAIN (0.5-MM OS)              |     | AB   |            |
|      | 145-0170    | BEARING-MAIN (0.5-MM OS, 0.5-MM US)   |     | AB   |            |

CAT codes: A, B, R.

149-5403 CYLINDER BLOCK GP

149-5403 CYLINDER BLOCK GP S/N 4TF52183-UP PART OF 2W-9746 CYLINDER BLOCK GP

Drawing 1 of 1



| Ref. | Part number | Description                     | Qty | Code | Group page |
|------|-------------|---------------------------------|-----|------|------------|
| 1    | 149-5402    | CYLINDER BLOCK AS               | 1   |      |            |
| 2    | 7E-2968     | CAP-CRANKSHAFT BEARING          | 7   |      |            |
| 3    | 9X-8916     | BOLT (M16X2X140-MM)             | 14  | M    |            |
| 4    | 5P-8247     | WASHER-HARD (17X32X3.5-MM THK)  | 14  |      |            |
| 5    | 6F-7062     | WASHER (12.7X19.05X1.83-MM THK) | 2   |      |            |
| 6    | 8T-0293     | BOLT (M12X1.75X20-MM)           | 2   | M    |            |
| 7    | 2M-6471     | PLUG-CUP                        | 2   |      |            |
| 8    | 9S-8008     | PLUG (1-1/16-12-THD)            | 2   | B    |            |
| 9    | 3D-2824     | SEAL-O-RING                     | 2   | B    |            |
| 10   | 3H-5552     | PLUG-CUP                        | 1   |      |            |
| 11   | 9S-8006     | PLUG (7/8-14-THD)               | 1   |      |            |
| 12   | 2M-9780     | SEAL-O-RING                     | 1   |      |            |
| 13   | 216-5586    | BUSHING (CAMSHAFT)              | 1   |      |            |

149-5403 CYLINDER BLOCK GP (continued)

| Ref. | Part number | Description        | Qty | Code | Group page |
|------|-------------|--------------------|-----|------|------------|
| 14   | 2W-7213     | BUSHING (CAMSHAFT) | 6   |      |            |
| 15   | 3K-0360     | SEAL-O-RING        | 1   |      |            |
| 16   | 9S-8005     | PLUG (3/4-16-THD)  | 1   |      |            |

CAT codes: B, M.

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