

# CATERPILLAR D7R

DSH / SEBP5818

## 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                  |      |
| Fuel system                  |      |
| Undercarriage                |      |
| Hydraulic system             |      |
| Hydraulic system             |      |
| Labels, kits and diagnostics |      |
| Air inlet and exhaust        |      |
| Catalog items                |      |
| Basic engine                 |      |

242-0674 CAMSHAFT GP

242-0674 CAMSHAFT GP S/N TXD1-UP; THX28268-UP PART OF 385-2783, 387-8619 ENGINE AR-CORE

Drawing 1 of 1



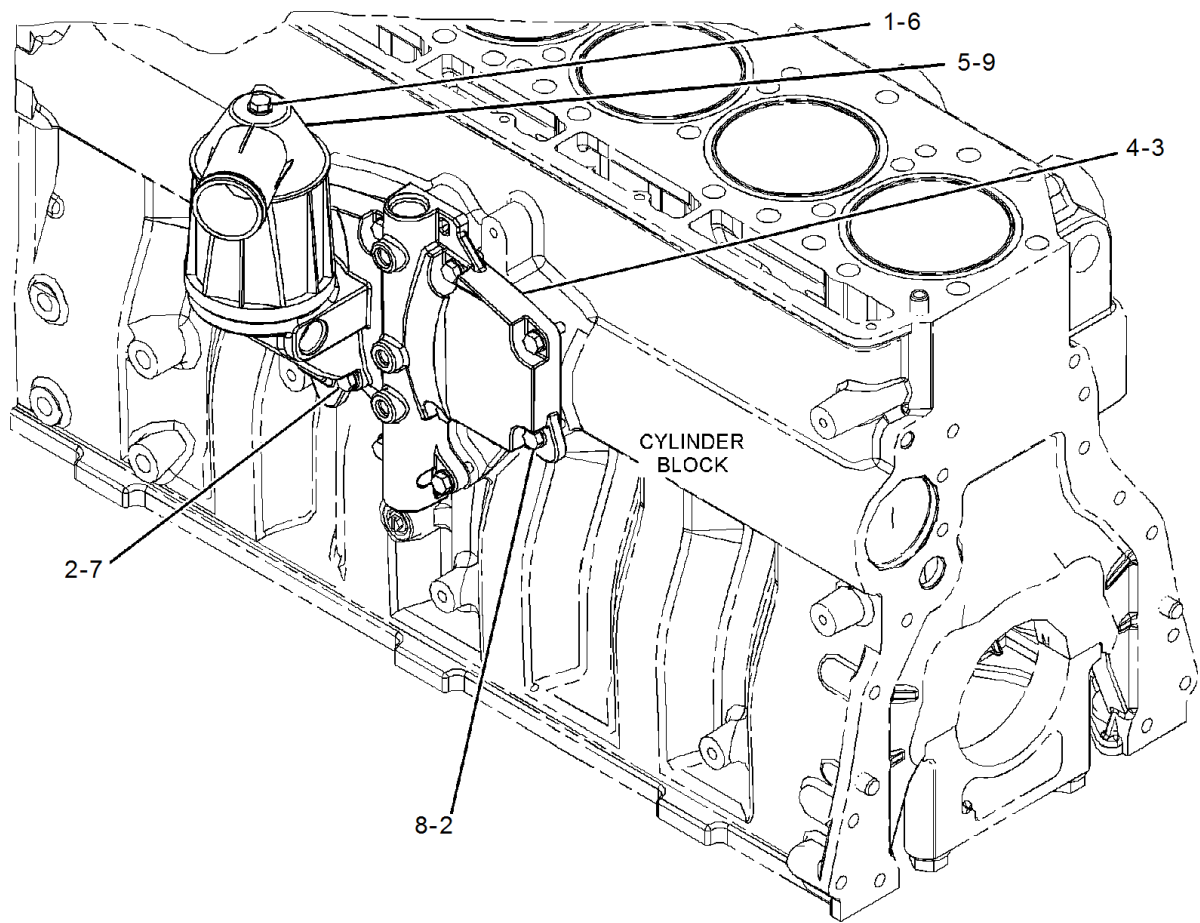
| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 107-7694    | PLATE-THRUST         | 1   |      |            |
| 2    | 242-0673    | CAMSHAFT AS          | 1   |      |            |
| 2A   | 1B-8705     | KEY-WOODRUFF         | 1   |      |            |
| 2B   | 224-3247    | GEAR (100-TEETH)     | 1   |      |            |
| 3    | 6V-3940     | BOLT (M8X1.25X25-MM) | 2   | M    |            |

CAT codes: M, R.

388-4887 COVER GP-CYLINDER BLOCK

388-4887 COVER GP-CYLINDER BLOCK S/N TXD1-UP; THX28268-UP PART OF 318-1906, 387-8583 ENGINE AR-COMPLETE

Drawing 1 of 1



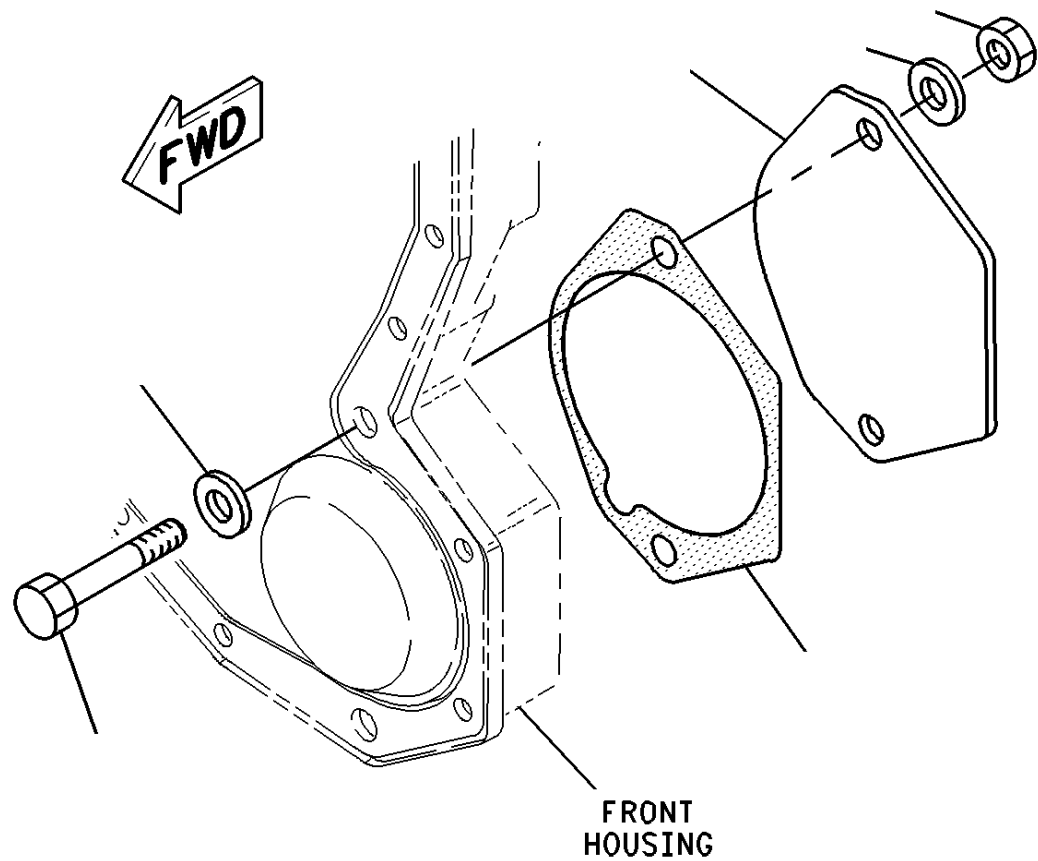
| Ref. | Part number | Description                   | Qty | Code | Group page |
|------|-------------|-------------------------------|-----|------|------------|
| 1    | 5N-4185     | WASHER-SPECIAL                | 1   |      |            |
| 2    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 11  |      |            |
| 3    | 205-5285    | GASKET                        | 1   |      |            |
| 4    | 215-4441    | COVER                         | 1   |      |            |
| 5    | 240-0041    | BREATHER AS (CRANKCASE)       | 1   |      |            |
| 6    | 3E-8005     | BOLT (M8X1.25X160-MM)         | 1   | M    |            |
| 7    | 6V-3918     | BOLT (M8X1.25X50-MM)          | 2   | M    |            |
| 8    | 6V-3940     | BOLT (M8X1.25X25-MM)          | 9   | M    |            |
| 9    | 9F-4446     | SEAL-O-RING                   | 1   |      |            |

CAT codes: M.

118-1727 COVER GP-FRONT HOUSING -ACCESSORY DRIVE

118-1727 COVER GP-FRONT HOUSING -ACCESSORY DRIVE S/N TXD1-UP; THX28268-UP REQUIRED ON ENGINES WITHOUT FACTORY INSTALLED AIR COMPRESSOR PART OF 318-1906, 387-8583 ENGINE AR-COMPLETE

Drawing 1 of 1



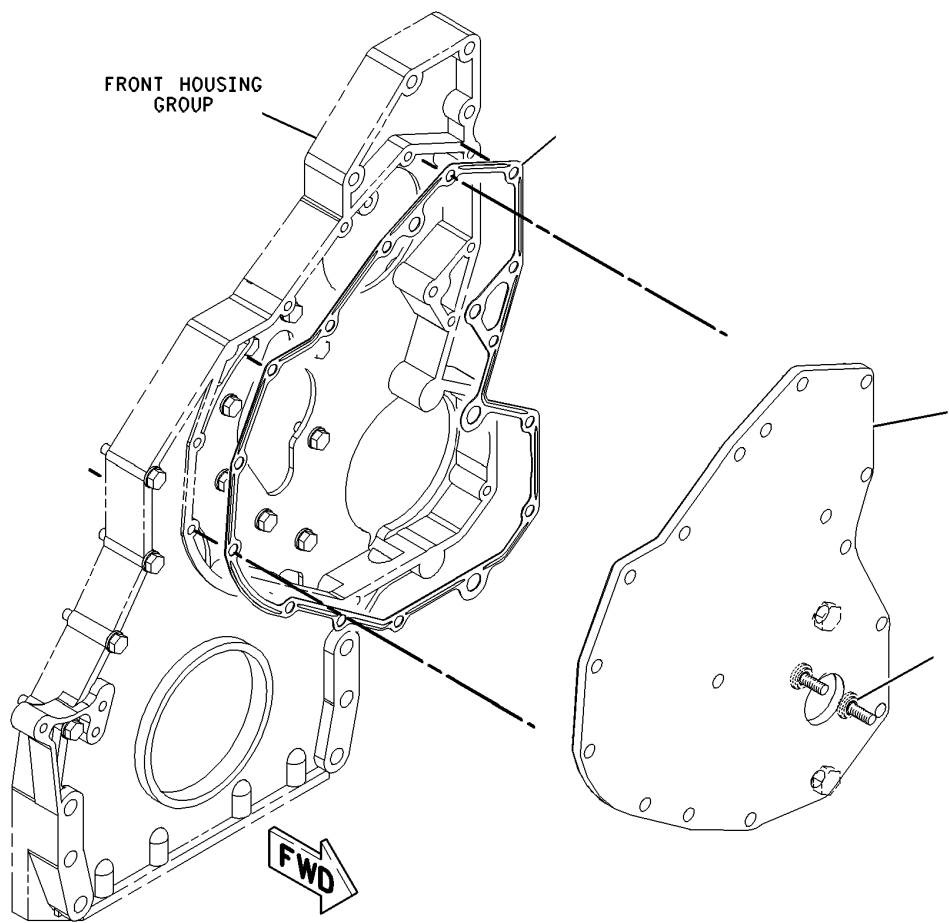
| Ref. | Part number | Description                      | Qty | Code | Group page |
|------|-------------|----------------------------------|-----|------|------------|
| 1    | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 4   |      |            |
| 2    | 6V-5696     | BOLT (M12X1.75X80-MM)            | 2   | M    |            |
| 3    | 4W-2026     | COVER                            | 1   |      |            |
| 4    | 135-9819    | SEAL-INTEGRAL                    | 1   |      |            |
| 5    | 6V-8149     | NUT (M12X1.75-THD)               | 2   | M    |            |

CAT codes: M.

217-8669 COVER GP-FRONT HOUSING

217-8669 COVER GP-FRONT HOUSING S/N TXD1-UP; THX28268-UP PART OF 318-1906, 387-8583 ENGINE AR-COMPLETE

Drawing 1 of 1

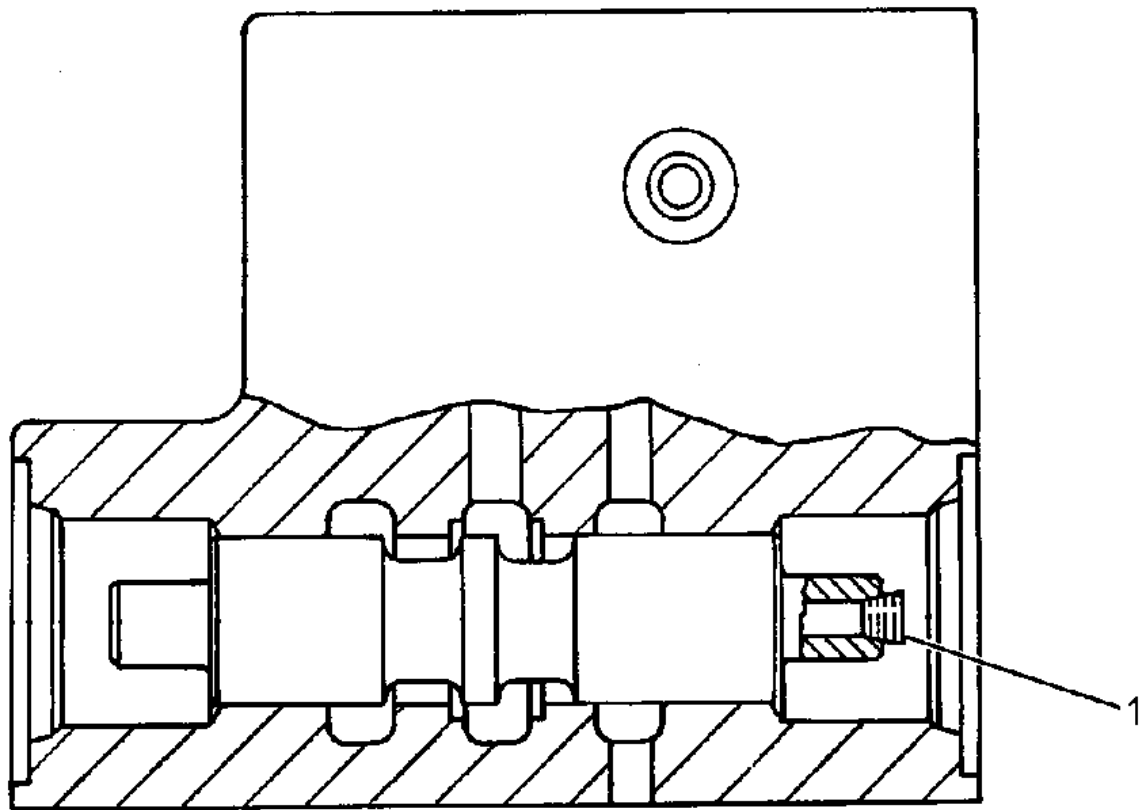


| Ref. | Part number | Description                     | Qty | Code | Group page |
|------|-------------|---------------------------------|-----|------|------------|
| 1    | 209-0760    | COVER AS-FRONT                  | 1   |      |            |
| 1A   | 126-1757    | WASHER (10.85X19.3X1.27-MM THK) | 2   |      |            |
| 1B   | 136-0822    | STUD                            | 2   |      |            |
| 2    | 209-0762    | GASKET AS                       | 1   |      |            |

222-1783 COVER GP-VALVE MECHANISM

222-1783 COVER GP-VALVE MECHANISM S/N TXD1-UP; THX28268-UP PART OF 318-1906, 387-8583 ENGINE  
AR-COMPLETE

Drawing 1 of 1

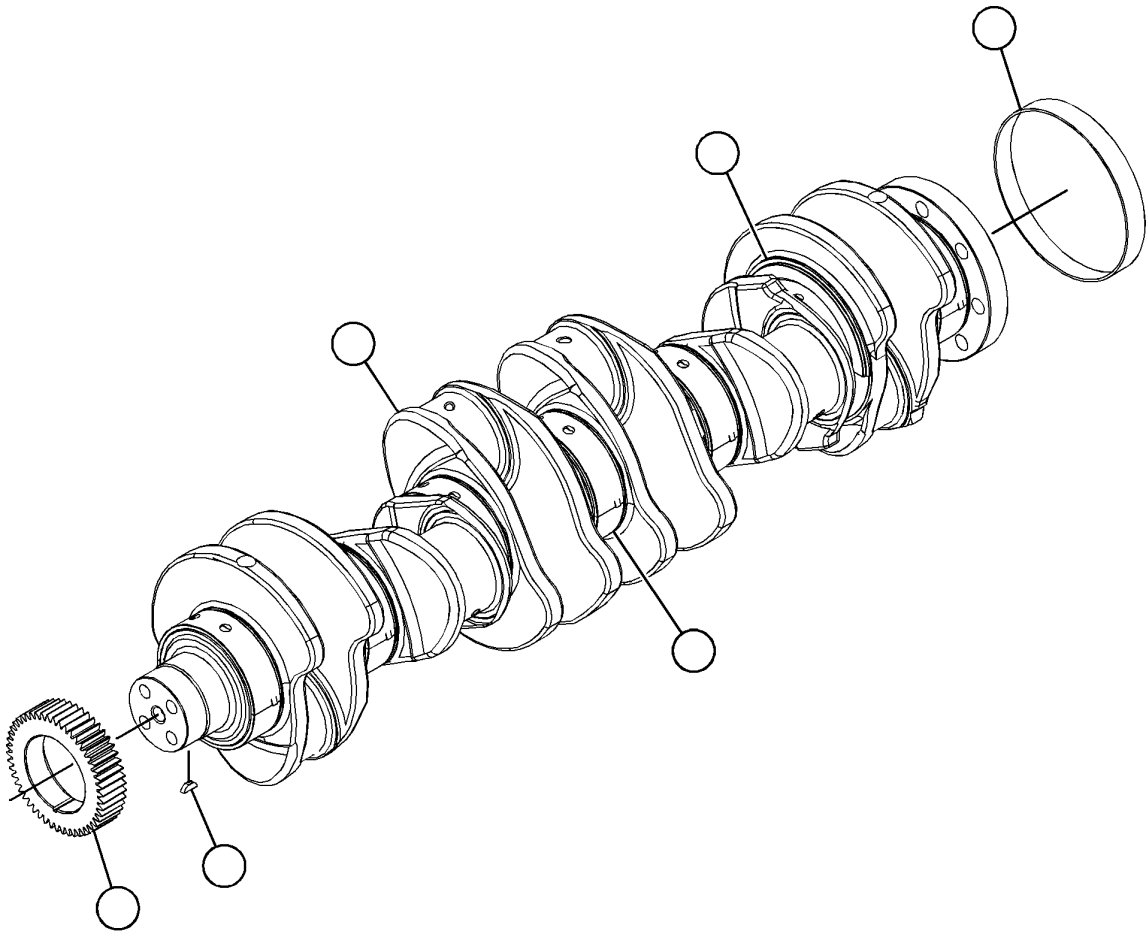


| Ref. | Part number | Description                         | Qty | Code | Group page |
|------|-------------|-------------------------------------|-----|------|------------|
| 1    | 358-7876    | SLEEVE-SPACER                       | 11  |      |            |
| 2    | 358-7872    | COVER GP-VALVE MECHANISM            | 1   |      |            |
| 2A   | 285-4106    | SEAL-VALVE COVER                    | 1   |      |            |
| 3    | 353-6988    | BASE GP-VALVE COVER                 | 1   |      |            |
| 3A   | 268-3490    | SEAL-VALVE COVER                    | 1   |      |            |
| 4    | 204-4444    | BREATHER AS (CRANKCASE)             | 1   |      |            |
|      | 160-0526    | SEAL-O-RING                         | 1   |      |            |
|      | 185-3159    | FILTER ELEMENT-BREATHER (CRANKCASE) | 1   |      |            |
|      | 341-0979    | SEAL-O-RING                         | 1   |      |            |

164-6148 CRANKSHAFT GP

164-6148 CRANKSHAFT GP S/N TXD1-UP; THX28268-UP PART OF 385-2783, 387-8619 ENGINE AR-CORE

Drawing 1 of 1



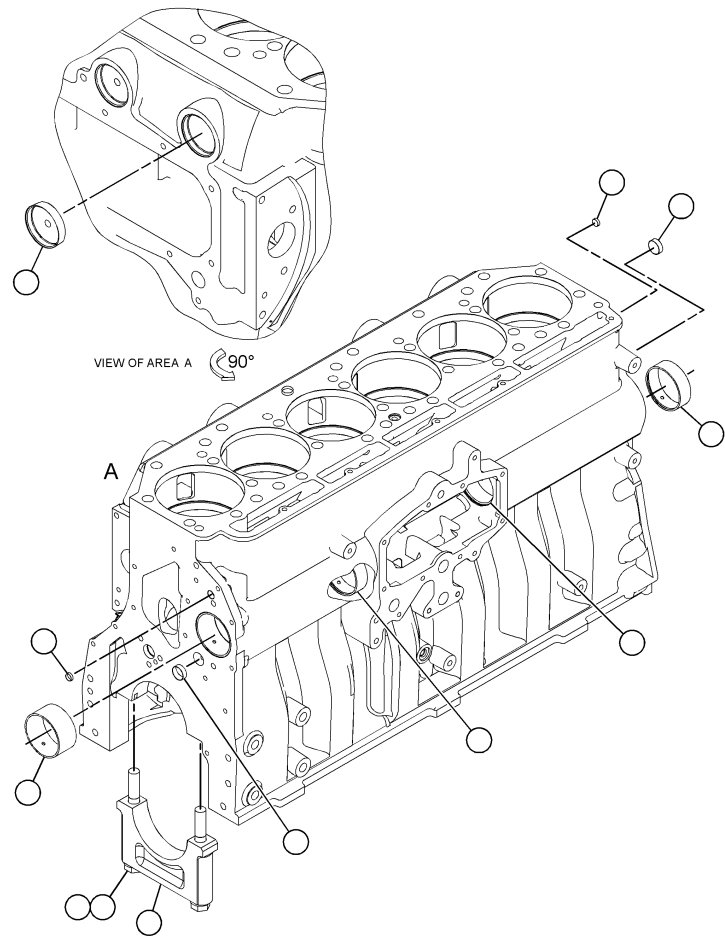
| Ref.                                                       | Part number | Description               | Qty | Code | Group page |
|------------------------------------------------------------|-------------|---------------------------|-----|------|------------|
| 1                                                          | 151-2939    | BEARING-MAIN (STANDARD)   | 7   | J    |            |
|                                                            | 282-1771    | BEARING-MAIN (0.25-MM US) | 7   | AB   |            |
|                                                            | 282-1772    | BEARING-MAIN (0.51-MM US) | 7   | AB   |            |
| 2                                                          | 261-1544    | CRANKSHAFT AS             | 1   |      |            |
| 2A                                                         | 1B-8705     | KEY-WOODRUFF              | 1   |      |            |
| 2B                                                         | 2W-8147     | GEAR (50-TEETH)           | 1   |      |            |
| 2C                                                         | 9Y-0810     | SLEEVE-WEAR               | 1   |      |            |
| 3                                                          | 246-3150    | PLATE-THRUST              | 2   | J    |            |
| AVAILABLE REPAIR KIT(S):                                   |             |                           |     |      |            |
|                                                            | 243-6716    | KIT-BEARING (STANDARD)    |     | AJ   |            |
| (INCLUDES A COMPLETE SET OF MAIN BEARINGS & THRUST PLATES) |             |                           |     |      |            |

CAT codes: A, B, J, R.

325-3915 CYLINDER BLOCK AS

325-3915 CYLINDER BLOCK AS S/N TXD1-UP; THX28268-UP PART OF 517-1908 CYLINDER BLOCK AS

Drawing 1 of 1



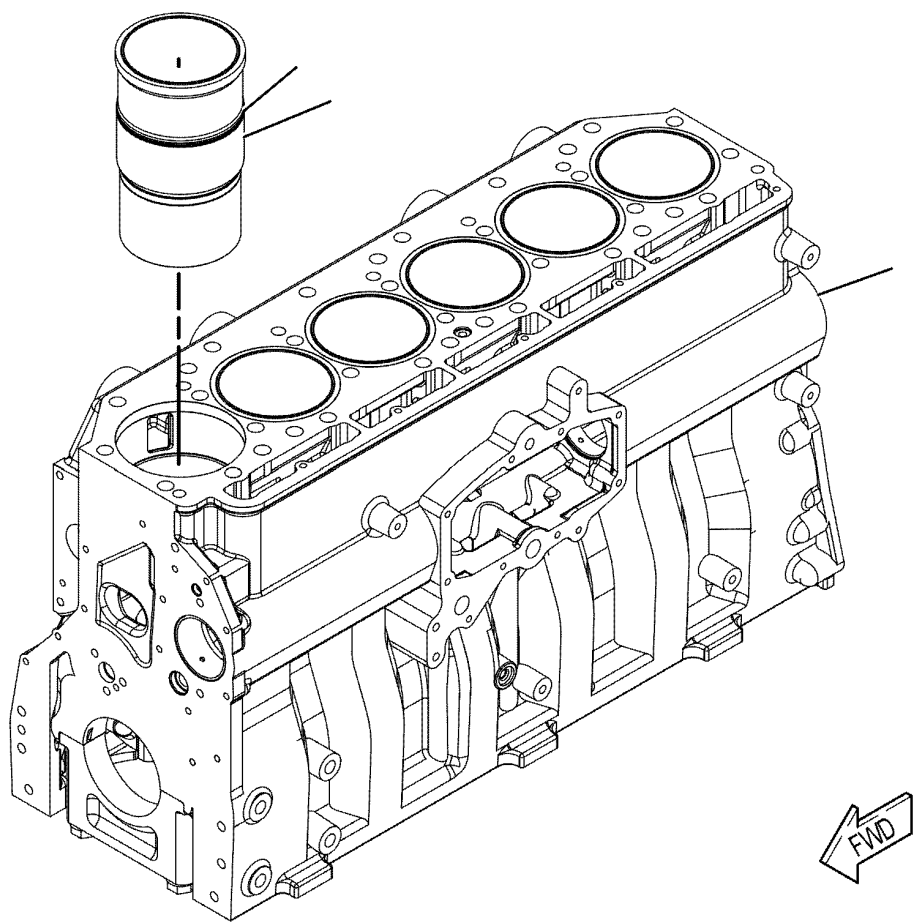
| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 1    | 0L-1026     | PLUG-CUP                    | 2   |      |            |
| 2    | 3B-0623     | PLUG-CUP                    | 2   |      |            |
| 3    | 4F-5695     | PLUG-CUP                    | 4   |      |            |
| 4    | 175-0454    | BOLT (M16X2X160-MM)         | 14  | M    |            |
| 5    | 203-5805    | BUSHING                     | 2   |      |            |
| 6    | 203-6090    | BUSHING                     | 1   |      |            |
| 7    | 212-7002    | CAP-BEARING                 | 7   |      |            |
| 8    | 216-5586    | BUSHING (CAMSHAFT)          | 1   |      |            |
| 9    | 9X-8268     | WASHER (17.5X30X3.5-MM THK) | 14  |      |            |

CAT codes: M.

# 517-1908 CYLINDER BLOCK AS

517-1908 CYLINDER BLOCK AS S/N TXD1-UP; THX28268-UP PART OF 161-3406 CYLINDER BLOCK GP

Drawing 1 of 1



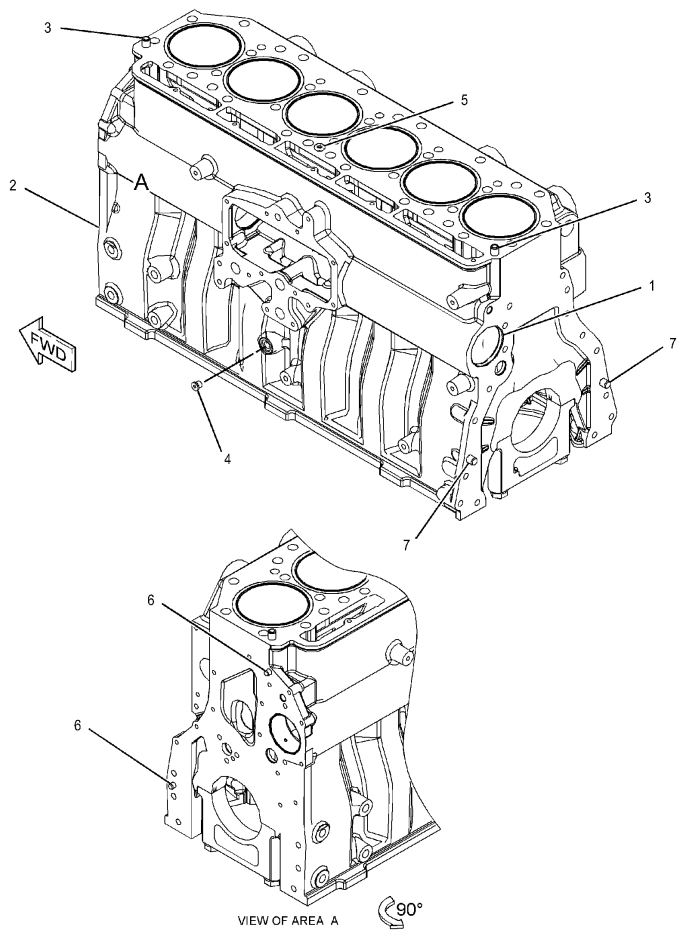
| Ref. | Part number | Description       | Qty | Code | Group page |
|------|-------------|-------------------|-----|------|------------|
| 1    | 167-0024    | SEAL-LINER        | 6   |      |            |
| 2    | 469-5312    | LINER-CYLINDER    | 6   |      |            |
| 3    | 325-3915    | CYLINDER BLOCK AS | 1   | Y    |            |

CAT codes: R, Y.

161-3406 CYLINDER BLOCK GP

161-3406 CYLINDER BLOCK GP S/N TXD1-UP; THX28268-UP PART OF 385-2783, 387-8619 ENGINE AR-CORE

Drawing 1 of 1



| Ref. | Part number | Description        | Qty | Code | Group page |
|------|-------------|--------------------|-----|------|------------|
| 1    | 0S-0519     | PLUG-CUP           | 1   |      |            |
| 2    | 517-1908    | CYLINDER BLOCK AS  | 1   | CY   |            |
| 3    | 1W-8407     | SLEEVE             | 2   |      |            |
| 4    | 396-0393    | PLUG AS            | 1   |      |            |
|      | 214-7566    | SEAL-O-RING        | 1   |      |            |
|      | 360-3677    | PLUG (7/16-20-THD) | 1   |      |            |
| 5    | 4G-4972     | SEAL-O-RING        | 1   |      |            |
| 6    | 6V-3538     | DOWEL              | 2   |      |            |
| 7    | 7N-5683     | DOWEL              | 2   |      |            |

CAT codes: C, Y.

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

DSH-SEBP5818

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**