

# CATERPILLAR 816F II

BZR / SEBP4281

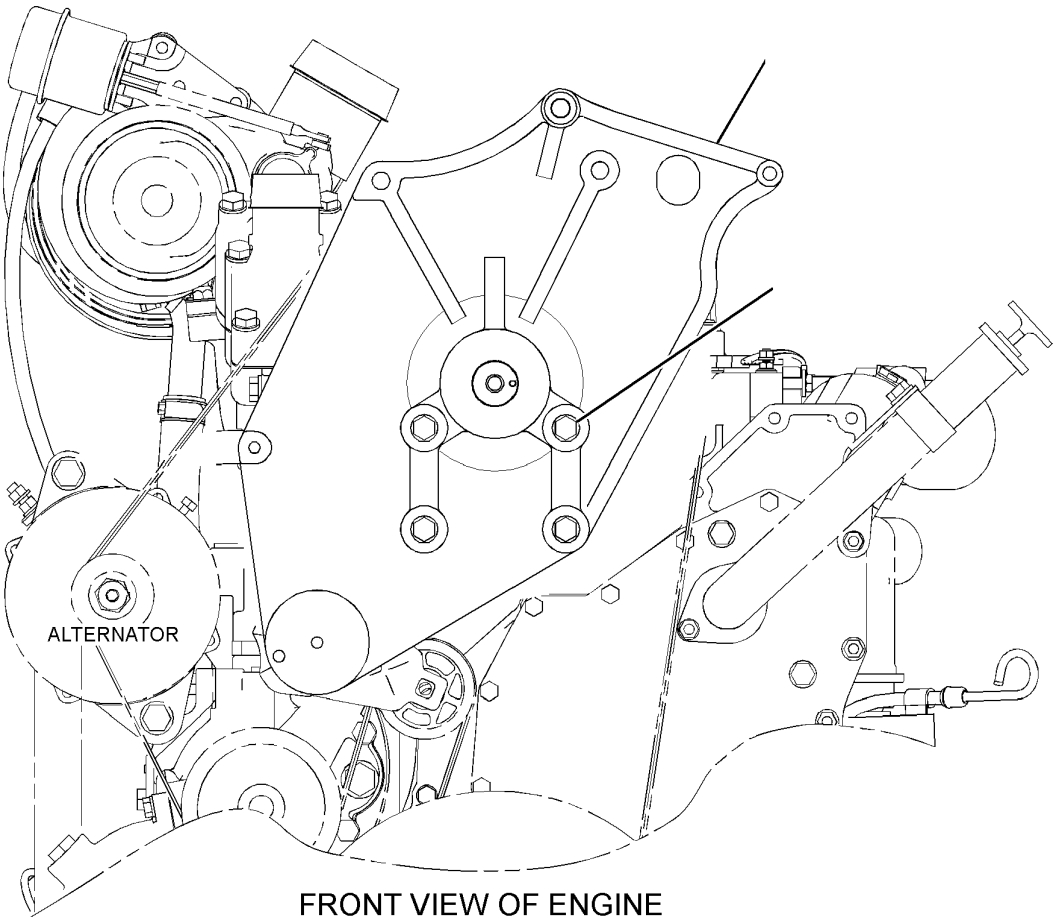
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248-1290 BRACKET GP-ENGINE -FRONT END ACCESSORY DRIVE

248-1290 BRACKET GP-ENGINE -FRONT END ACCESSORY DRIVE S/N TXD1-UP; THX286-UP PART OF 349-3566 ENGINE AR, 275-8772, 417-0637 ENGINE AR-COMplete

Drawing 1 of 1



FRONT VIEW OF ENGINE

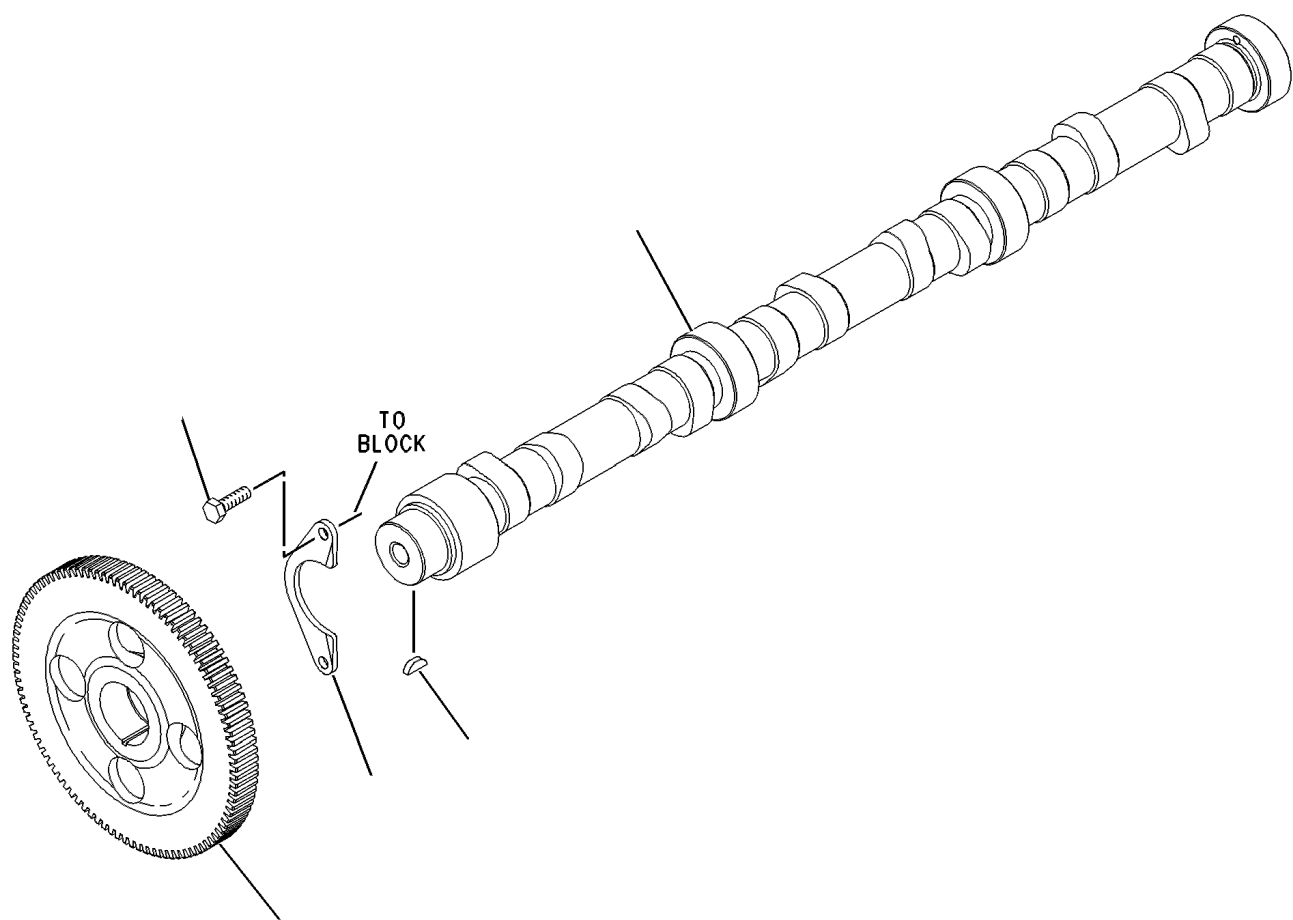
| Ref. | Part number | Description                  | Qty | Code | Group page |
|------|-------------|------------------------------|-----|------|------------|
| 1    | 291-4866    | BRACKET AS                   | 1   |      |            |
|      | 8T-0255     | PIN-SPRING                   | 1   |      |            |
| 2    | 8T-4178     | BOLT (M10X1.5X90-MM)         | 4   | M    |            |
| 3    | 8T-7934     | WASHER-HARD (11X21X5-MM THK) | 4   |      |            |

CAT codes: M.

242-0674 CAMSHAFT GP

242-0674 CAMSHAFT GP S/N TXD1-UP; THX286-UP PART OF 235-1493, 383-0815, 417-6288 ENGINE AR-CORE

Drawing 1 of 1



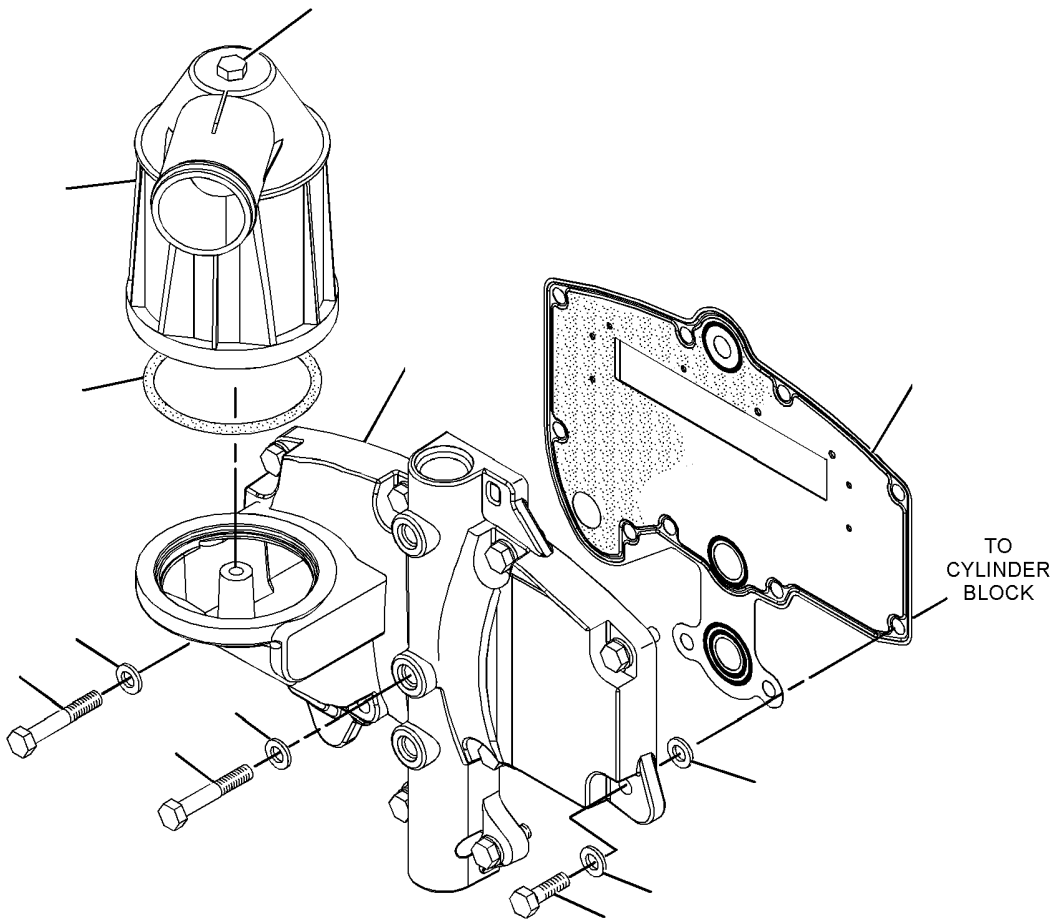
| Ref. | Part number | Description          | Qty | Code | Group page |
|------|-------------|----------------------|-----|------|------------|
| 1    | 107-7694    | PLATE-THRUST         | 1   |      |            |
| 2    | 242-0673    | CAMSHAFT AS          | 1   |      |            |
| 2A   | 1B-8705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

CAT codes: M, R.

272-6143 COVER GP-CYLINDER BLOCK

272-6143 COVER GP-CYLINDER BLOCK S/N TXD1-UP; THX286-UP PART OF 349-3566 ENGINE AR, 275-8772, 417-0637 ENGINE AR-COMPLETE

Drawing 1 of 1



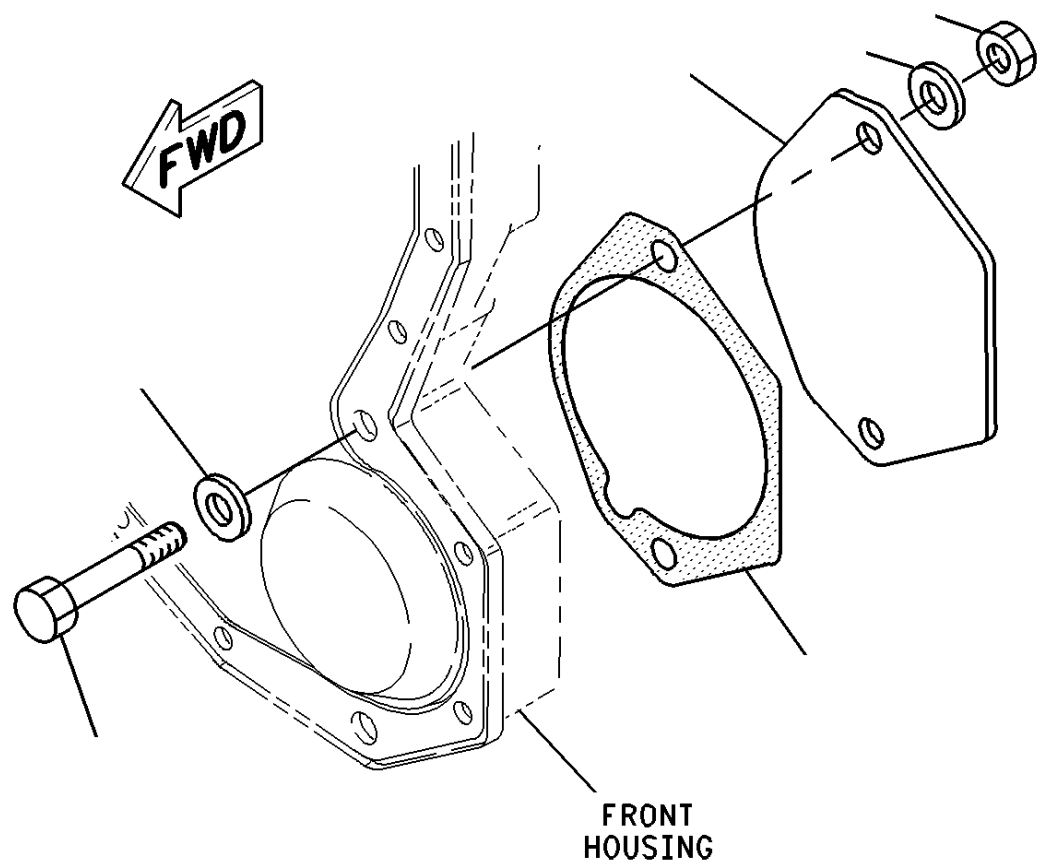
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|------|-------------|-------------------------------|-----|------|------------|
| 1    | 5N-4185     | WASHER-SPECIAL                | 1   |      |            |
| 2    | 213-2410    | GASKET                        | 1   |      |            |
| 3    | 213-2411    | COVER                         | 1   |      |            |
| 4    | 240-0041    | BREATHER AS (CRANKCASE)       | 1   |      |            |
| 5    | 3E-8005     | BOLT (M8X1.25X160-MM)         | 1   | M    |            |
| 6    | 6V-3918     | BOLT (M8X1.25X50-MM)          | 2   | M    |            |
| 7    | 6V-3940     | BOLT (M8X1.25X25-MM)          | 9   | M    |            |
| 8    | 9F-4446     | SEAL-O-RING                   | 1   |      |            |
| 9    | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 11  |      |            |

CAT codes: M.

118-1727 COVER GP-FRONT HOUSING -ACCESSORY DRIVE

118-1727 COVER GP-FRONT HOUSING -ACCESSORY DRIVE S/N TXD1-UP; THX286-UP REQUIRED ON ENGINES WITHOUT FACTORY INSTALLED AIR COMPRESSOR PART OF 349-3566 ENGINE AR, 275-8772, 417-0637 ENGINE AR-COMPLETE

Drawing 1 of 1



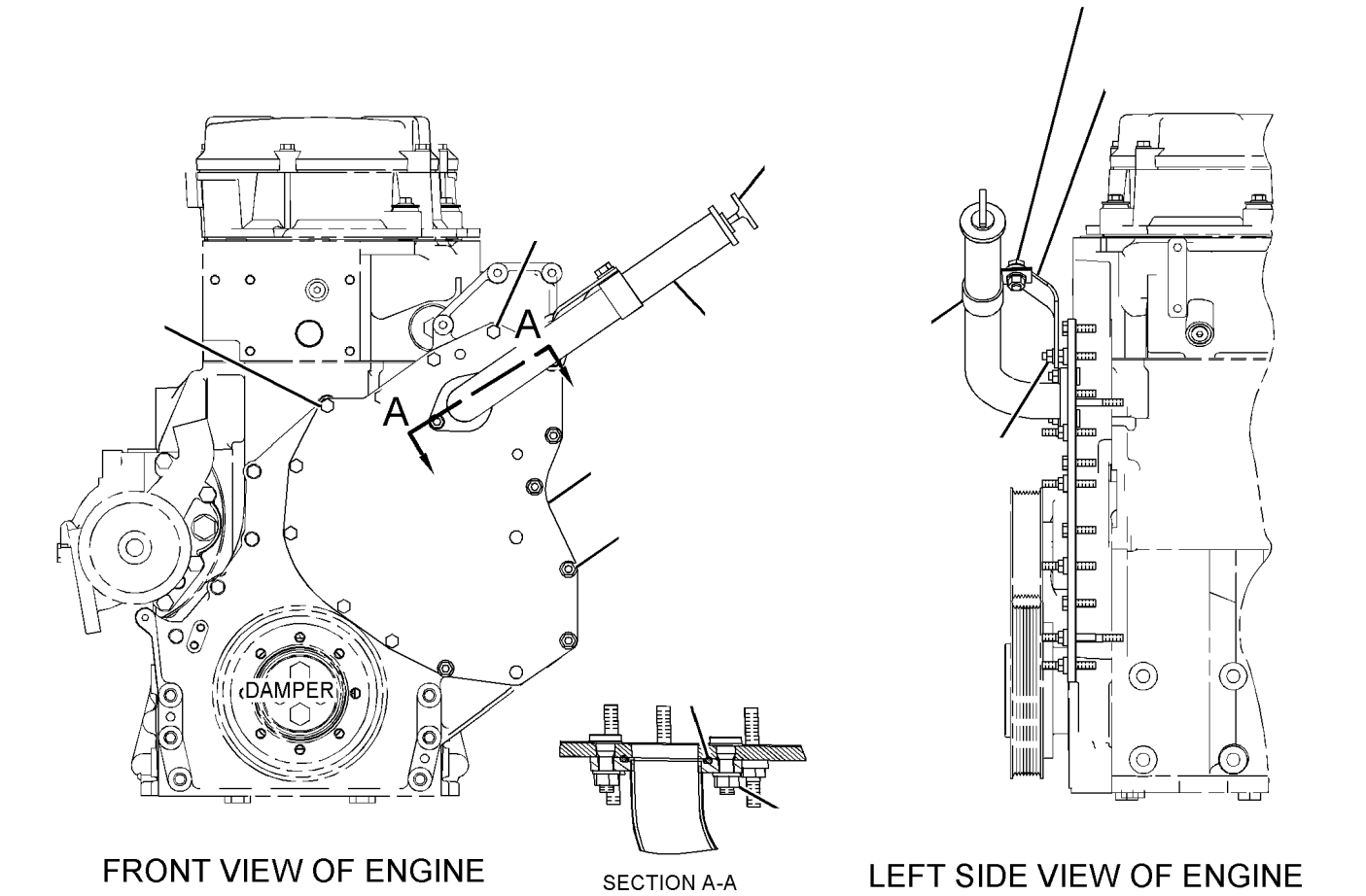
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|------|-------------|----------------------------------|-----|------|------------|
| 1    | 5P-8245     | WASHER-HARD (13.5X25.5X3-MM THK) | 4   |      |            |
| 2    | 6V-5696     | BOLT (M12X1.75X80-MM)            | 2   | M    |         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

CAT codes: M.

270-4980 COVER GP-FRONT HOUSING

270-4980 COVER GP-FRONT HOUSING S/N TXD1-UP; THX286-UP PART OF 349-3566 ENGINE AR, 275-8772, 417-0637 ENGINE AR-COMPLETE

Drawing 1 of 1



| Ref. | Part number | Description                     | Qty | Code | Group page |
|------|-------------|---------------------------------|-----|------|------------|
| 1    | 068-4497    | CAP-OIL FILLER (ENGINE)         | 1   |      |            |
| 2    | 9W-2641     | PLATE                           | 6   |      |            |
| 3    | 145-2264    | STUD (M8X1.25X35-MM)            | 6   | M    |            |
| 4    | 209-0762    | GASKET AS                       | 1   |      |            |
| 5    | 271-6982    | PLATE                           | 1   |      |            |
| 6    | 295-9063    | COVER AS-FRONT                  | 1   |      |            |
|      | 126-1757    | WASHER (10.85X19.3X1.27-MM THK) | 2   |      |            |
|      | 136-0822    | STUD                            | 2   |      |            |
| 7    | 290-3733    | TUBE AS                         | 1   |      |            |
| 8    | 053-0558    | CLIP                            | 1   |      |            |
| 9    | 061-9455    | SEAL-O-RING                     | 1   |      |            |
| 10   | 2Y-5829     | NUT (M10X1.5-THD)               | 1   | M    |            |
| 11   | 5C-7261     | NUT (M8X1.25-THD)               | 3   | M    |            |
| 12   | 6V-2317     | BOLT (M8X1.25X30-MM)            | 6   | M    |            |

270-4980 COVER GP-FRONT HOUSING (continued)

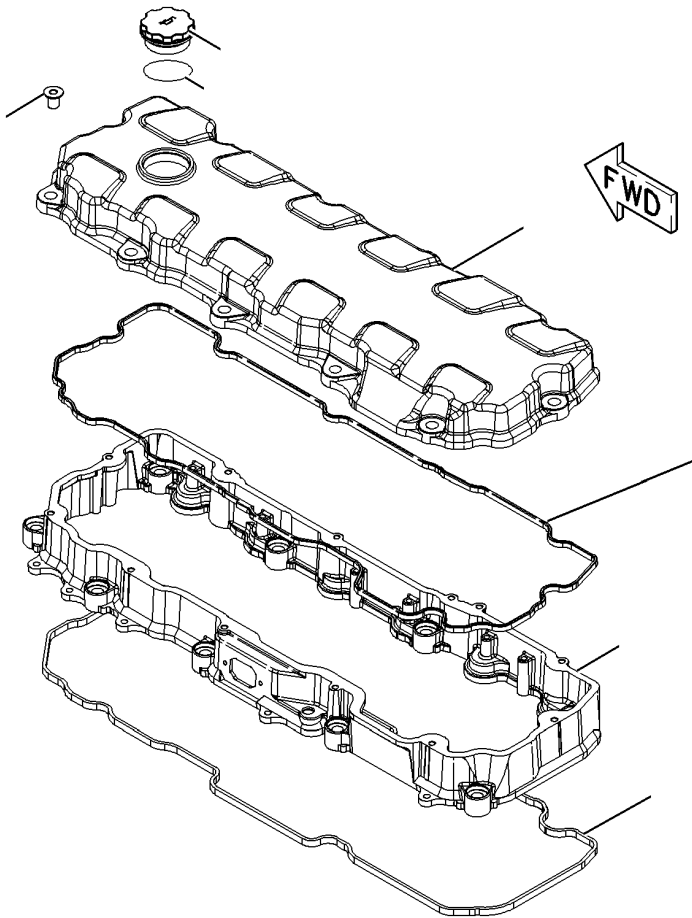
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|------|-------------|-------------------------------|-----|------|------------|
| 13   | 6V-4248     | BOLT (M10X1.5X25-MM)          | 1   | M    |            |
| 14   | 6V-5839     | WASHER (11X21X2.5-MM THK)     | 2   |      |            |
| 15   | 8T-0100     | BOLT (M8X1.25X60-MM)          | 2   | M    |            |
| 16   | 8T-4224     | WASHER-HARD (8.8X16X2-MM THK) | 2   |      |            |
| 17   | 9M-1974     | WASHER-HARD (8.8X16X2-MM THK) | 1   |      |            |

CAT codes: M.

235-8174 COVER GP-VALVE MECHANISM

235-8174 COVER GP-VALVE MECHANISM S/N THX4467-6128 PART OF 275-8772 ENGINE AR-COMPLETE FOR USE WITH 233-0423

Drawing 1 of 1



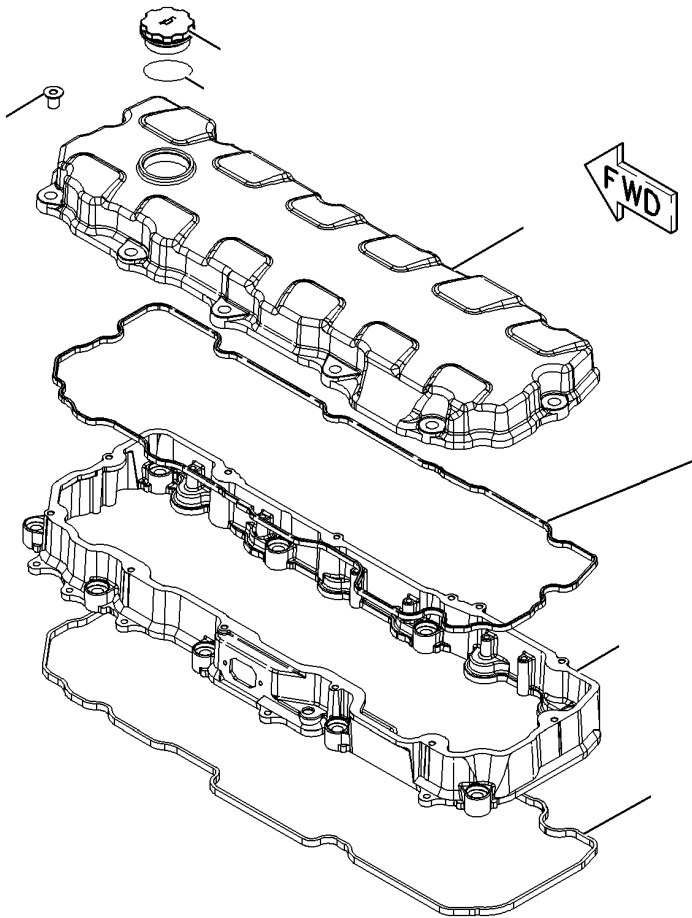
| Ref. | Part number | Description                             | Qty | Code | Group page |
|------|-------------|-----------------------------------------|-----|------|------------|
| 1    | 263-7821    | COVER GP-VALVE MECHANISM                | 1   | C    |            |
| 1A   | 217-5701    | SEAL-BULK (23-DM)                       |     | L    |            |
| 2    | 271-2418    | BASE GP-VALVE COVER                     | 1   | C    |            |
| 2A   | 268-3490    | SEAL-VALVE COVER (VALVE MECHANISM BASE) | 1   |      |            |
| 3    | 227-4531    | CAP AS-ENGINE OIL FILLER                | 1   |      |            |
| 3A   | 7F-8268     | SEAL-O-RING                             | 1   |      |            |
| 4    | 246-5083    | SLEEVE-SPACER                           | 11  |      |            |
|      | 4C-9612     | SEALANT-SILICONE                        |     | BF   |            |

CAT codes: B, C, F, L.

235-8174 COVER GP-VALVE MECHANISM

235-8174 COVER GP-VALVE MECHANISM S/N TXD1-UP; THX6129-27257 PART OF 349-3566 ENGINE AR, 275-8772, 417-0637 ENGINE AR-COMPLETE FOR USE WITH 233-0423

Drawing 1 of 1



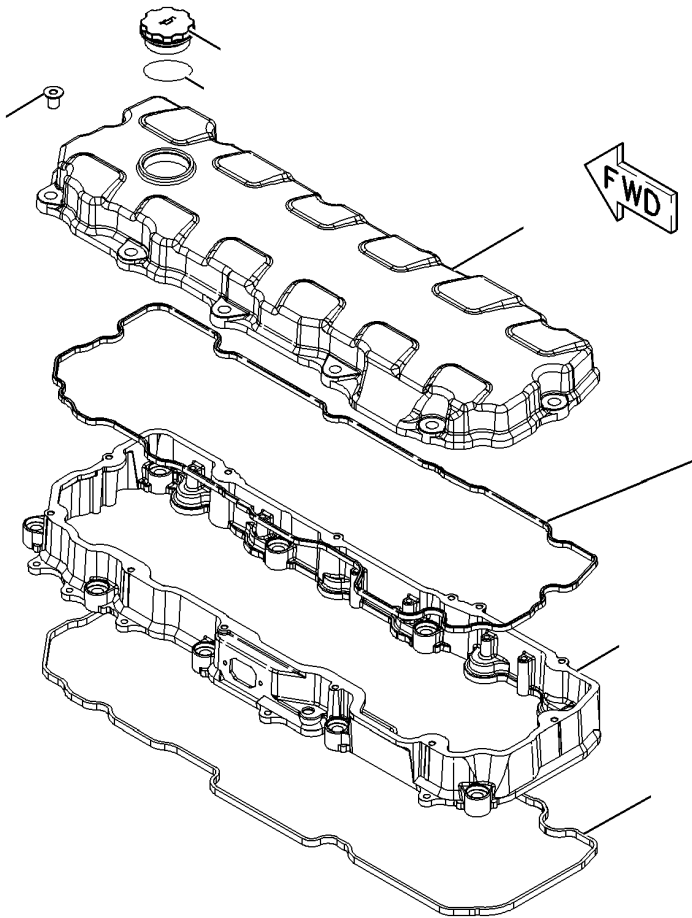
| Ref. | Part number | Description                             | Qty | Code | Group page |
|------|-------------|-----------------------------------------|-----|------|------------|
| 1    | 263-7825    | COVER GP-VALVE MECHANISM                | 1   | C    |            |
| 1A   | 285-4106    | SEAL-VALVE COVER                        | 1   |      |            |
| 2    | 271-2418    | BASE GP-VALVE COVER                     | 1   |      |            |
| 2A   | 268-3490    | SEAL-VALVE COVER (VALVE MECHANISM BASE) | 1   |      |            |
| 3    | 227-4531    | CAP AS-ENGINE OIL FILLER                | 1   |      |            |
| 3A   | 7F-8268     | SEAL-O-RING                             | 1   |      |            |
| 4    | 273-2838    | SLEEVE-SPACER                           | 11  | C    |            |

CAT codes: C.

235-8174 COVER GP-VALVE MECHANISM

235-8174 COVER GP-VALVE MECHANISM S/N THX27258-UP PART OF 349-3566 ENGINE AR, 275-8772 ENGINE AR-COMPLETE FOR USE WITH 233-0423

Drawing 1 of 1



| Ref. | Part number | Description                             | Qty | Code | Group page |
|------|-------------|-----------------------------------------|-----|------|------------|
| 1    | 358-7872    | COVER GP-VALVE MECHANISM                | 1   | C    |            |
| 1A   | 285-4106    | SEAL-VALVE COVER                        | 1   |      |            |
| 2    | 353-6988    | BASE GP-VALVE COVER                     | 1   |      |            |
| 2A   | 268-3490    | SEAL-VALVE COVER (VALVE MECHANISM BASE) | 1   |      |            |
| 3    | 227-4531    | CAP AS-ENGINE OIL FILLER                | 1   |      |            |
| 3A   | 7F-8268     | SEAL-O-RING                             | 1   |      |            |
| 4    | 358-7876    | SLEEVE-SPACER                           | 11  | C    |            |

CAT codes: C.

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