

# CATERPILLAR



ENGINE: 3054C  
3054E

|               |       |        |                                                                   |
|---------------|-------|--------|-------------------------------------------------------------------|
| BORE: 4.1343" | 4 Cyl | Diesel | Notes: Turbocharged, Industrial Block, Without LH Auxiliary Drive |
|---------------|-------|--------|-------------------------------------------------------------------|

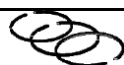
APPLICATION: Industrial Engines: 304, 334; Machine Engines: CRS, CRX, G4D; Genset Engines: E4M;

Provide Engine Serial Backhoe Loaders: Caterpillar 414E, 416D, 416E, 420D, 420E, 422E, 424D, 428D, 428E;

& Arrangement Number Backhoe Loaders: Caterpillar 430D, 430E, 432D, 432E, 434E, 442D, 442E, 444E;

Compactors: Caterpillar CP433E, CS433E, PS150C, PF300C, PS300C; Gensets: Caterpillar C4.4;

Telehandlers: Caterpillar TH220B, TH330B, TH460B, TH560B, TH580B; Tool Carriers: Caterpillar IT14G;

| QTY                                                                                 |   | ITEM # | DESCRIPTION                                           | LETTERED ITEMS INCLUDED IN KIT |   |   |   |   |
|-------------------------------------------------------------------------------------|---|--------|-------------------------------------------------------|--------------------------------|---|---|---|---|
|    | 1 | 974455 | In-Frame Kit                                          |                                |   |   |   | I |
|                                                                                     | 1 | 975455 | Out-of-Frame Kit                                      |                                |   |   | O |   |
|                                                                                     | 1 | 976455 | Major Kit                                             |                                |   | M |   |   |
|                                                                                     | 1 | 977455 | Premium Kit (979144 Valve Train Kit Included)         |                                |   | P |   |   |
|    | 4 | 171492 | STD Piston Kit                                        | P                              | M | O | I |   |
|                                                                                     | 4 | 171493 | 0.50 MM Piston Kit                                    |                                |   |   |   |   |
|                                                                                     | 4 | 171494 | 1.00 MM Piston Kit                                    |                                |   |   |   |   |
|    | 4 | 171495 | STD Piston Ring Set (1-3.4MM Key 1-2.5MM 1-3.5MM)     |                                |   |   |   |   |
|                                                                                     | 4 | 171496 | 0.50 MM Piston Ring Set (1-3.4MM Key 1-2.5MM 1-3.5MM) |                                |   |   |   |   |
|                                                                                     | 4 | 171497 | 1.00 MM Piston Ring Set (1-3.4MM Key 1-2.5MM 1-3.5MM) |                                |   |   |   |   |
|   | 4 | 271285 | STD Rod Bearing (No Locating Tangs)                   | P                              | M | O | I |   |
|                                                                                     | 4 | 271286 | .010 Rod Bearing (No Locating Tangs)                  |                                |   |   |   |   |
|                                                                                     | 4 | 271287 | .020 Rod Bearing (No Locating Tangs)                  |                                |   |   |   |   |
|                                                                                     | 4 | 271288 | .030 Rod Bearing (No Locating Tangs)                  |                                |   |   |   |   |
|  | 1 | 271291 | STD Main Set, wo/Thrust Washers                       | P                              | M | O | I |   |
|                                                                                     | 1 | 271292 | .010 Main Set, wo/Thrust Washers                      |                                |   |   |   |   |
|                                                                                     | 1 | 271293 | .020 Main Set, wo/Thrust Washers                      |                                |   |   |   |   |
|                                                                                     | 1 | 271294 | .030 Main Set, wo/Thrust Washers                      |                                |   |   |   |   |
|  | 1 | 271119 | STD Thrust Washer Set (Offset Lug)                    | P                              | M | O | I |   |
|                                                                                     | 1 | 271125 | .007 Thrust Washer Set (Offset Lug)                   |                                |   |   |   |   |
|                                                                                     | 1 | 271126 | .010 Thrust Washer Set (Offset Lug)                   |                                |   |   |   |   |
|  | 1 | 371331 | Head Gasket Set                                       | P                              | M | O | I |   |
|                                                                                     | 1 | 371332 | Head Gasket                                           |                                |   |   |   |   |
|                                                                                     | 1 | 371335 | Valve Cover Gasket                                    |                                |   |   |   |   |
|                                                                                     | 4 | 371336 | Exhaust Valve Seal (Brown Top Hat Type)               |                                |   |   |   |   |
|                                                                                     | 4 | 371337 | Intake Valve Seal (Green Top Hat Type)                |                                |   |   |   |   |
|  | 1 | 371371 | Lower Gasket Set wo/Seals                             | P                              | M | O |   |   |
|                                                                                     | 1 | 371339 | Timing Cover Gasket                                   |                                |   |   |   |   |
|                                                                                     | 1 | 371348 | Pan Gasket (Industrial Pan / No Ears)                 |                                |   |   |   | I |
|  | 1 | 371146 | Front Crank Seal (Viton Lip Type) (1)                 | P                              | M | O |   |   |
|                                                                                     | 1 | 371342 | Rear Crank Seal & Housing Assembly (Teflon Type)      | P                              | M | O |   |   |
|  | 4 | 271289 | Pin Bushing (1.563" Pin)                              | P                              | M |   |   |   |
|                                                                                     | 1 | 271259 | Cam Bearing (Finished ID)                             | P                              | M |   |   |   |
|  | 8 | 771323 | Conn Rod Capscrew (7/16 x 2.580 12Pt)                 | P                              | M |   |   |   |
|                                                                                     | 1 | 771324 | Head Bolt Kit                                         |                                |   |   |   |   |
|                                                                                     | 1 | 771325 | Expansion Plug Kit (9 Plugs)                          |                                |   |   |   |   |

(1)Wear Sleeve - 301115

X-CAT-269-12

8/1/2009

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3054E

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|-----|--|--------|-----------------------------------------------------------------|--------------------------------|--|--|--|---|
|     |  |        |                                                                 |                                |  |  |  |   |
|     |  | 1      | 979144 Valve Train Kit                                          |                                |  |  |  | V |
|     |  | 1      | 571197 Camshaft                                                 |                                |  |  |  |   |
|     |  | 8      | 571123 Tappet                                                   |                                |  |  |  |   |
|     |  | 4      | 471235 Exhaust Valve                                            |                                |  |  |  | V |
|     |  | 4      | 471236 Intake Valve                                             |                                |  |  |  | V |
|     |  | 8      | 471237 Valve Guide                                              |                                |  |  |  | V |
|     |  | 8      | 471238 Valve Spring                                             |                                |  |  |  | V |
|     |  | 8      | 471239 Valve Spring Retainer                                    |                                |  |  |  | V |
|     |  | 16     | 471241 Keeper (Half)                                            |                                |  |  |  | V |
|     |  | 4      | 471242 Exhaust Seat                                             |                                |  |  |  |   |
|     |  | 4      | 471243 Intake Seat                                              |                                |  |  |  |   |
|     |  | 4      | 471244 LH Rocker Arm (Adj Screw & Lock Nut Included) (4)        |                                |  |  |  |   |
|     |  | 4      | 471245 RH Rocker Arm (Adj Screw & Lock Nut Included) (4)        |                                |  |  |  |   |
|     |  | 1      | 471246 Rocker Arm Shaft (5) "Includes 471247 Plugs"             |                                |  |  |  |   |
|     |  | 1      | 571196 Cam Gear                                                 |                                |  |  |  |   |
|     |  | 1      | 571189 Crank Gear                                               |                                |  |  |  |   |
|     |  | 1      | 571191 Idler Gear Asb: Bearing Style                            |                                |  |  |  |   |
|     |  | 1      | 571193 Idler Gear: Bushing Style                                |                                |  |  |  |   |
|     |  | 8      | 571117 Push Rod                                                 |                                |  |  |  |   |
|     |  | 1      | 671165 Oil Pump: Engines Without Balancer                       |                                |  |  |  |   |
|     |  | 1      | 771326 Balancer Assembly (Includes Oil Pump)                    |                                |  |  |  |   |
|     |  | 1      | 671159 Oil Pump Gerotor Set: Engine With Balancer               |                                |  |  |  |   |
|     |  | 1      | 671161 Oil Pump Drive Gear: Engines With Balancer               |                                |  |  |  |   |
|     |  | 1      | 671162 Pressure Relief Valve Assembly: Engine With Balancer     |                                |  |  |  |   |
|     |  | 4      | 671163 Piston Cooling Oil Jet                                   |                                |  |  |  |   |
|     |  | 1      | 671166 Oil Cooler                                               |                                |  |  |  |   |
|     |  | 1      | 771327 Crankshaft Kit: Except Electronic Engine                 |                                |  |  |  |   |
|     |  | 1      | 771375 Crankshaft Kit: Electronic Engine (Includes Timing Ring) |                                |  |  |  |   |
|     |  | 4      | 771331 Conn Rod (6.5247-6.5260 / Grade F / Red Mark)            |                                |  |  |  |   |
|     |  | 4      | 771332 Conn Rod (6.5229-6.5242 / Grade G / Orange Mark)         |                                |  |  |  |   |
|     |  | 4      | 771333 Conn Rod (6.5211-6.5224 / Grade H / White Mark)          |                                |  |  |  |   |
|     |  | 4      | 771334 Conn Rod (6.5193-6.5206 / Grade J / Green Mark)          |                                |  |  |  |   |
|     |  | 4      | 771335 Conn Rod (6.5175-6.5188 / Grade K / Purple Mark)         |                                |  |  |  |   |
|     |  | 4      | 771336 Conn Rod (6.5157-6.5170 / Grade L / Blue Mark)           |                                |  |  |  |   |
|     |  | 4      | 871237 Glow Plug (12V)                                          |                                |  |  |  |   |
|     |  | 1      | 871239 Water Outlet/Thermostat Assembly (Vertical Outlet)       |                                |  |  |  |   |
|     |  | 1      | 871241 Water Outlet/Thermostat Assembly (Horizontal RH Outlet)  |                                |  |  |  |   |
|     |  | 1      | 871238 Water Outlet/Thermostat Assembly (Horizontal LH Outlet)  |                                |  |  |  |   |
|     |  | 1      | 871243 Water Pump (8)                                           |                                |  |  |  |   |

(4)Adjusting Screw-471226 / Lock Nut - 571139

(5)Rocker Arm Shaft Snap Ring - 471248

(8)Repair Kit - 871244

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