

# CASE

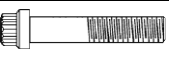


ENGINE: 504BDTI

5.192" Fire Dam (5.430" Counterbore)

BORE: 4.625" 6 Cyl Diesel NOTES: Intercooled, 5.192" Fire Dam (5.415" Flange), 1.800" Pin, Dual Ni-Resist Insert

APPLICATION: Loaders: W36 Thru # 17753999;  
Tractors: Late or Upgraded 2670; 4690, 4694;

| QTY                                                                                 |    | ITEM # | DESCRIPTION                                             | LETTERED ITEMS INCLUDED IN KIT |   |   |  |
|-------------------------------------------------------------------------------------|----|--------|---------------------------------------------------------|--------------------------------|---|---|--|
|    |    |        |                                                         |                                |   |   |  |
|                                                                                     | 1  | 924112 | In-Frame Kit                                            |                                |   | I |  |
|                                                                                     |    |        |                                                         |                                |   |   |  |
|                                                                                     | 1  | 925112 | Out-of-Frame Kit                                        |                                | O |   |  |
|    | 6  | 121157 | Sleeve & Piston Assembly                                |                                | O | I |  |
|                                                                                     | 6  | 121158 | Piston Assembly                                         |                                |   |   |  |
|                                                                                     | 6  | 121143 | Cylinder Liner (Includes O-Rings)                       |                                |   |   |  |
|                                                                                     | 6  | 121144 | Cylinder Liner O-Ring Package (3 O-Ring Liner)          |                                |   |   |  |
|                                                                                     | 1  | 121145 | Cylinder Liner Shim (.005")                             |                                |   |   |  |
|                                                                                     | 1  | 121146 | Cylinder Liner Shim (.010")                             |                                |   |   |  |
|    | 6  | 121156 | Piston Ring Set                                         |                                |   |   |  |
|    | 6  | 221139 | STD Rod Bearing                                         |                                | O | I |  |
|                                                                                     | 6  | 221141 | .002 Rod Bearing                                        |                                |   |   |  |
|                                                                                     | 6  | 221142 | .010 Rod Bearing                                        |                                |   |   |  |
|                                                                                     | 6  | 221143 | .020 Rod Bearing                                        |                                |   |   |  |
|                                                                                     | 6  | 221144 | .030 Rod Bearing                                        |                                |   |   |  |
|   | 1  | 221145 | STD Main Bearing Set, w/Thrust Washers                  |                                | O | I |  |
|                                                                                     | 1  | 221146 | .002 Main Bearing Set, w/Thrust Washers                 |                                |   |   |  |
|                                                                                     | 1  | 221147 | .010 Main Bearing Set, w/Thrust Washers                 |                                |   |   |  |
|                                                                                     | 1  | 221148 | .020 Main Bearing Set, w/Thrust Washers                 |                                |   |   |  |
|                                                                                     | 1  | 221149 | .030 Main Bearing Set, w/Thrust Washers                 |                                |   |   |  |
|  | 1  | 221151 | STD Thrust Washer Set (.157")                           |                                | O | I |  |
|                                                                                     | 1  | 221152 | .012 Thrust Washer Set (.163")                          |                                |   |   |  |
|  | 1  | 321162 | Head Gasket Set                                         |                                | O | I |  |
|                                                                                     | 3  | 321148 | Positive Valve Seal Set, Optional (Not in Gasket Sets)  |                                |   |   |  |
|                                                                                     | 1  | 321111 | Intercooler Gasket & Seal Set, (Not in Gasket Sets) (1) |                                |   |   |  |
|                                                                                     | 3  | 321199 | Valve Cover Gasket                                      |                                |   |   |  |
|  | 1  | 321161 | Lower Gasket Set w/Seals                                |                                | O |   |  |
|                                                                                     | 1  | 321149 | Timing Cover Gasket                                     |                                |   |   |  |
|                                                                                     | 1  | 321151 | Injection Pump Gear Cover Gasket                        |                                |   |   |  |
|  | 1  | 321163 | Full Gasket Set w/Seals                                 |                                |   |   |  |
|  | 1  | 321159 | Pan Gasket Set                                          |                                |   | I |  |
|  | 1  | 321144 | Front Crank Seal                                        |                                |   |   |  |
|                                                                                     | 1  | 321145 | Front Wear Sleeve, Optional (Not in Gasket Sets)        |                                |   |   |  |
|                                                                                     | 1  | 321146 | Rear Crank Seal                                         |                                |   |   |  |
|                                                                                     | 1  | 321147 | Rear Crank Seal Kit, Optional (Not in Gasket Sets)      |                                |   |   |  |
|  | 6  | 221153 | Piston Pin Bushing (1.800" Pin)                         |                                |   |   |  |
|                                                                                     | 1  | 221129 | Cam Bearing Set                                         |                                |   |   |  |
|  | 12 | 721111 | Rod Bolt                                                |                                |   |   |  |
|                                                                                     | 3  | 721113 | Head Bolt Kit w/Washers (6.250")                        |                                |   |   |  |

(1) May be Required for Complete Engine Kit

CA-504-U

4/1/2004

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# CASE

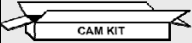
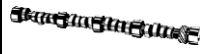
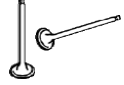


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|-------------------------------------------------------------------------------------|-----|--------|---------------------------------------------|--------------------------------|---|---|---|---|
|    | 1   | 929514 | Cam Kit                                     |                                |   |   |   | C |
|                                                                                     |     |        |                                             |                                |   |   |   |   |
|    | 1   | 929111 | Valve Train Kit                             |                                |   |   | V |   |
|                                                                                     |     |        |                                             |                                |   |   |   |   |
|                                                                                     | 1   | 929311 | Basic Valve Kit                             |                                |   | B |   |   |
|    | 1   | 521123 | Camshaft                                    |                                |   |   |   | C |
|                                                                                     | 1   | 521119 | Cam Thrust Washer                           |                                |   |   |   |   |
|                                                                                     | 1   | 521121 | Cam Thrust Spring                           |                                |   |   |   |   |
|                                                                                     | 1   | 521112 | Camshaft Key                                |                                |   |   |   |   |
|    | 12  | 521113 | Tappet                                      |                                |   |   |   | C |
|    | 6   | 421128 | Exhaust Valve                               |                                | B |   | V |   |
|                                                                                     | 6   | 421132 | Intake Valve                                |                                | B |   | V |   |
|    | 12  | 421113 | Valve Guide                                 |                                | B |   | V |   |
|                                                                                     | 12  | 421114 | Valve Spring                                |                                | B |   | V |   |
|                                                                                     | 12  | 421115 | Valve Rotator                               |                                |   |   | V |   |
|                                                                                     | 24  | 421116 | Valve Keeper (Half)                         |                                | B |   | V |   |
|   | 6   | 421133 | Exhaust Valve Seat                          |                                |   |   |   |   |
|                                                                                     | 6   | 421134 | Intake Valve Seat                           |                                |   |   |   |   |
|  | 3   | 421118 | Exhaust Rocker Arm, RH Cylinder # 1, 3, 5   |                                |   |   |   |   |
|                                                                                     | 3   | 421119 | Exhaust Rocker Arm, LH Cylinder # 2, 4, 6   |                                |   |   |   |   |
|                                                                                     | 6   | 421121 | Intake Rocker Arm                           |                                |   |   |   |   |
|                                                                                     | 3   | 421122 | Rocker Arm Shaft                            |                                |   |   |   |   |
|  | 1   | 521114 | Cam Timing Gear                             |                                |   |   |   |   |
|                                                                                     | 1   | 521115 | Crank Timing Gear                           |                                |   |   |   |   |
|                                                                                     | 1   | 521116 | Idler Drive Gear                            |                                |   |   |   |   |
|                                                                                     | 1   | 521117 | Injection Pump Idler Gear w/Bushing         |                                |   |   |   |   |
|                                                                                     | 12  | 521118 | Push Rod                                    |                                |   |   |   |   |
|  | 1   | 621116 | New Oil Pump                                |                                |   |   |   |   |
|                                                                                     | 1   | 621112 | Oil Pump Shim (.005")                       |                                |   |   |   |   |
|                                                                                     | 1   | 621118 | New Oil Cooler                              |                                |   |   |   |   |
|  | 1   | 121148 | Block Repair Sleeve, Lower Liner Pilot Bore |                                |   |   |   |   |
|                                                                                     | 1   | 121149 | Block Repair Ring, Upper Deck Counterbore   |                                |   |   |   |   |
|                                                                                     | 1   | 721122 | Crankshaft                                  |                                |   |   |   |   |
|                                                                                     | 1   | 721115 | Plug, Cam (2 3/8")                          |                                |   |   |   |   |
|                                                                                     | 3   | 721116 | Plug, Block (1 3/8")                        |                                |   |   |   |   |
|                                                                                     | 1   | 721117 | Plug, Block (2")                            |                                |   |   |   |   |
|                                                                                     | 9   | 721119 | Plug, Head Internal (3/4")                  |                                |   |   |   |   |
|                                                                                     | 6   | 721118 | Plug, Head External (1 5/8")                |                                |   |   |   |   |
|                                                                                     | 2   | 821119 | Thermostat (180 Degree)                     |                                |   |   |   |   |
|                                                                                     | 1   | 821122 | Block Heater                                |                                |   |   |   |   |
|                                                                                     | 1   | 821121 | Bypass Hose                                 |                                |   |   |   |   |
|                                                                                     | 2   | 821127 | Oil Cooler Hose                             |                                |   |   |   |   |
|                                                                                     | 12  | 821128 | Exhaust Manifold Stud                       |                                |   |   |   |   |
|                                                                                     | 12  | 821123 | Intake Manifold Stud, Thru # 10018830       |                                |   |   |   |   |

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