

# JOHN DEERE



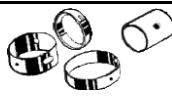
ENGINE: 3029D

Naturally Aspirated (2.9 Liter)

BORE:4.1929" 3 Cyl Diesel NOTES: .312" Valve Stem, R80034 Conn Rod (Straight), 1.375" Piston Pin

APPLICATION: Power Units: 3029DF Saran ESN 100000-263023 (Piston Code 4801)

TO-Dubuque Engine  
CD-Saran Engine

|                                                                                     | QTY | ITEM # | DESCRIPTION                                             | LETTERED ITEMS INCLUDED IN KIT |   |   |  |   |
|-------------------------------------------------------------------------------------|-----|--------|---------------------------------------------------------|--------------------------------|---|---|--|---|
|    | 1   | 954251 | In-Frame Kit                                            |                                |   |   |  | I |
|                                                                                     | 1   | 955251 | Out-of-Frame Kit                                        |                                |   | O |  |   |
|                                                                                     | 1   | 956251 | Major Kit                                               |                                | M |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |   |  |   |
|    | 3   | 151633 | Sleeve & Piston Assembly                                |                                | M | O |  | I |
|                                                                                     | 3   | 151635 | Piston Assembly                                         |                                |   |   |  |   |
|                                                                                     | 3   | 151412 | Liner Assembly (7.720" OAL) (1)                         |                                |   |   |  |   |
|                                                                                     | 3   | 151115 | Liner O-Ring Package                                    |                                |   |   |  |   |
|                                                                                     | 3   | 151639 | Block Repair Sleeve, Lower Liner Pilot Bore (.870" OAL) |                                |   |   |  |   |
|    | 3   | 151116 | Piston Ring Set (1-1/8K 1-3/32 1-3.5MM)                 |                                |   |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |   |  |   |
|    | 3   | 251111 | STD Rod Bearing                                         |                                | M | O |  | I |
|                                                                                     | 3   | 251112 | .010 Rod Bearing                                        |                                |   |   |  |   |
|                                                                                     | 3   | 251113 | .020 Rod Bearing                                        |                                |   |   |  |   |
|                                                                                     | 3   | 251114 | .030 Rod Bearing                                        |                                |   |   |  |   |
|   | 1   | 251115 | STD Main Bearing Set w/Thrust Washers                   |                                | M | O |  | I |
|                                                                                     | 1   | 251116 | .010 Main Bearing Set w/Thrust Washers                  |                                |   |   |  |   |
|                                                                                     | 1   | 251117 | .020 Main Bearing Set w/Thrust Washers                  |                                |   |   |  |   |
|                                                                                     | 1   | 251118 | .030 Main Bearing Set w/Thrust Washers                  |                                |   |   |  |   |
|  | 1   | 251119 | STD Thrust Washer Set                                   |                                |   |   |  |   |
|                                                                                     | 1   | 251121 | .007 Thrust Washer Set                                  |                                |   |   |  |   |
|  | 1   | 351673 | Head Gasket Set                                         |                                |   |   |  | I |
|                                                                                     | 1   | 351123 | Head Gasket                                             |                                |   |   |  |   |
|                                                                                     | 1   | 351148 | Valve Cover Gasket, w/Metal Cover (SEMR) (2)            |                                |   |   |  |   |
|                                                                                     | 1   | 351124 | Valve Cover Gasket, w/Composite Cover (O-Ring) (3)      |                                |   |   |  |   |
|                                                                                     | 6   | 351683 | Valve Seal (Positive Type Viton)                        |                                |   |   |  |   |
|  | 3   | 351657 | Exhaust Manifold Gasket                                 |                                |   |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |   |  |   |
|  | 1   | 351125 | Full Gasket Set w/Seals                                 |                                | M | O |  |   |
|                                                                                     | 1   | 351685 | Block Gasket Set                                        |                                |   |   |  |   |
|                                                                                     | 1   | 351661 | Timing Cover Gasket, Except RH Side Aux Gear Drive      |                                |   |   |  |   |
|                                                                                     | 1   | 351686 | Timing Cover Gasket, RH Side Aux Gear Drive             |                                |   |   |  |   |
|  | 1   | 351126 | Pan Gasket (Sheet Metal Pan)                            |                                |   |   |  |   |
|                                                                                     | 1   | 351127 | Pan Gasket (Cast or Aluminum Pan)                       |                                |   |   |  |   |
|                                                                                     | 1   | 351311 | Pan Gasket Set (2-Gaskets, 2-O-Rings, 1-D-Ring)         |                                |   |   |  | I |
|  | 1   | 351128 | Front Crank Seal                                        |                                |   |   |  |   |
|                                                                                     | 1   | 351154 | Front Crank Spacer Assembly                             |                                |   |   |  |   |
|                                                                                     | 1   | 351228 | Front Crank Seal Kit (Includes Wear Sleeve)             |                                |   |   |  |   |
|                                                                                     | 1   | 351129 | Rear Crank Seal Kit                                     |                                |   |   |  |   |
|  | 3   | 251563 | Pin Bushing (Boreable / 1.375" Pin)                     |                                | M |   |  |   |
|                                                                                     | 3   | 251564 | Pin Bushing (Honeable / 1.375" Pin)                     |                                |   |   |  |   |
|                                                                                     | 1   | 251123 | Cam Bearing                                             |                                | M |   |  |   |
|  | 6   | 751128 | Rod Bolt (2.375" Length)                                |                                | M | O |  | I |
|                                                                                     | 14  | 751129 | Head Bolt (4.410" Flanged Head)                         |                                |   |   |  |   |

(1)Liner Shims: .002 - 151637 / .004 - 151638

(2)Special Valve Cover Screw - 751256

(3)Not Included In Gasket Sets Or Kits

JD-179-F

5/29/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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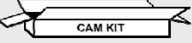
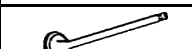
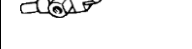
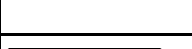
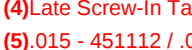
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|----------------------------------------------------------------------------------------------------------------|-----|--------|-------------------------------------------------------------|--------------------------------|---|---|---|---|
|                               | 1   | 959528 | Camshaft Kit (Includes Cam Bearing)                         |                                |   |   |   | C |
|                               | 1   | 959332 | Basic Valve Kit                                             |                                |   |   | B |   |
|                                                                                                                | 1   | 959132 | Valve Train Kit                                             |                                |   | V |   |   |
|                               | 1   | 551134 | Camshaft "Use w/Screw-In Tach Drive (4)"                    |                                |   |   |   | C |
|                               | 1   | 551112 | Cam Thrust Plate                                            |                                |   |   |   | C |
|                               | 6   | 551113 | Tappet                                                      |                                |   |   |   | C |
|                               | 3   | 451111 | STD Exhaust Valve (5)                                       |                                | V |   | B |   |
|                               | 3   | 451113 | STD Intake Valve (6)                                        |                                | V |   | B |   |
|                               | 3   | 451531 | Exhaust Service Repair Valve Guide (.502 OD / 2.390" OAL)   |                                |   |   |   |   |
|                              | 3   | 451532 | Intake Service Repair Valve Guide (.502 OD / 2.209" OAL)    |                                |   |   |   |   |
|                             | 6   | 451115 | Valve Spring                                                |                                | V |   | B |   |
|                             | 6   | 451116 | Rotator                                                     |                                | V |   |   |   |
|                             | 12  | 451117 | Keeper (Half)                                               |                                | V |   | B |   |
|                             | 3   | 451119 | Ex Seat, OEM Saran (1.345-T-1.482 x 1.697 x .243) (7)       |                                |   |   |   |   |
|                             | 3   | 451122 | In Seat, OEM Saran (1.550-T-1.650 x 1.859 x .257) (8)       |                                |   |   |   |   |
|                             | 6   | 451124 | Rocker Arm (Socket Type Adj Screw)                          |                                |   |   |   |   |
|                             | 1   | 451125 | Rocker Arm Shaft                                            |                                |   |   |   |   |
|                       | 2   | 451165 | Rocker Arm Shaft Plug (.464")                               |                                |   |   |   |   |
|                             | 1   | 551137 | Cam Gear (48 Helical Teeth) "Spur Gear - 551114"            |                                |   |   |   |   |
|                             | 1   | 551138 | Crank Gear (24 Helical Teeth) "Spur Gear - 551115"          |                                |   |   |   |   |
|                             | 1   | 551139 | Upper Idler Gear (55T Helical / 23 Notches) "Bush - 551142" |                                |   |   |   |   |
|                             | 1   | 551141 | Lower Idler Gear (45T Helical) "Bush - 551143 (.750" Wide)" |                                |   |   |   |   |
|                    | 6   | 551342 | Push Rod (2-Ball Tips / 9.21" OAL)                          |                                |   |   |   |   |
|                             | 1   | 651128 | New Oil Pump "May Need 651132 Outlet Tube"                  |                                |   |   |   |   |
|                  | 1   | 651131 | Oil Pump Kit (1.625" Gears)                                 |                                |   |   |   |   |
|                             | 1   | 651132 | Oil Pump Outlet Tube "Use w/Replacement Pump"               |                                |   |   |   |   |
|                             | 1   | 651255 | Oil Pump Inlet Screen: 3029DF Code 5001, 5005               |                                |   |   |   |   |
|                             | 1   | 651256 | Oil Pump Inlet Screen: 3029DF Code 5002, 5012               |                                |   |   |   |   |
|                             | 1   | 651257 | Oil Pump Inlet Screen: 3029DF Code 5007                     |                                |   |   |   |   |
|  | 1   | 651114 | Oil Cooler (6 Plate Doughnut Type) "Replaces 4 Plate"       |                                |   |   |   |   |
|                             | 1   | 751339 | Crankshaft (Long 60MM Nose)                                 |                                |   |   |   |   |
|                    | 3   | 751336 | Connecting Rod (1.375" Pin)                                 |                                |   |   |   |   |
|                             | 1   | 851336 | Fuel Pump: 3029DF Codes 3701, 3703 (90° Hose Barbs)         |                                |   |   |   |   |
|                             | 1   | 851342 | Fuel Pump: 3029DF Code 3711 (Vertical Hose Barbs)           |                                |   |   |   |   |
|                             | 1   | 851147 | Thermostat, Non-Bypass Vented Type: Code 2204 (180°)        |                                |   |   |   |   |
|                             | 1   | 851341 | Thermostat, Bypass Type: 3029DF Code 2205 (180°)            |                                |   |   |   |   |
|                             | 1   | 851333 | Thermostat, Bypass Type: 3029DF Code 2208 (180°)            |                                |   |   |   |   |
|                             | 1   | 851331 | Water Pump: 3029DF Code 2004                                |                                |   |   |   |   |
|                             | 1   | 851334 | Water Pump: 3029DF Code 2005                                |                                |   |   |   |   |
|                             | 1   | 851321 | Water Pump Kit: 3029DF Codes 2004, 2007(9), 2014, 2033      |                                |   |   |   |   |
|                             | 1   | 851352 | Water Pump Kit: 3029DF Code 2005                            |                                |   |   |   |   |
|                             | 1   | 851339 | Water Pump Kit: 3029DF Code 2007 (Marked R110541)           |                                |   |   |   |   |

(4)Late Screw-In Tach Drive: Shaft Type - 551136 / Gear Type (.541 Gear Length) - 551146 / Gear Type (.711 Gear Length) - 551147

(5).015 - 451112 / .030 - 451528 (6).015 - 451114 / .030 - 451529 (7)Oversize Ex Seat - 451121 (8)Oversize In Seat - 451123

(9)Housing Marked R67188