

# JOHN DEERE



ENGINE: 6068D

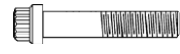
Naturally Aspirated (6.8 Liter)

BORE:4.1929" 6 Cyl Diesel NOTES: .312" Valve Stem Diameter, 1.625" Piston Pin, 8.580" OAL Liners

APPLICATION: Power Units: 6068DF, 6068DFM (Dubuque); 6068DF (Saran)

TO-Dubuque Engine

CD-Saran Engine

|                                                                                     | QTY | ITEM # | DESCRIPTION                                             | LETTERED ITEMS INCLUDED IN KIT |   |  |   |
|-------------------------------------------------------------------------------------|-----|--------|---------------------------------------------------------|--------------------------------|---|--|---|
|    | 1   | 954238 | In-Frame Kit                                            |                                |   |  | I |
|                                                                                     | 1   | 955238 | Out-of-Frame Kit                                        |                                | O |  |   |
|                                                                                     | 1   | 956238 | Major Kit                                               | M                              |   |  |   |
|                                                                                     |     |        |                                                         |                                |   |  |   |
|    | 6   | 151653 | Sleeve & Piston Assembly (Marked RE28919)               | M                              | O |  | I |
|                                                                                     | 6   | 151654 | Piston Assembly (Marked RE28919)                        |                                |   |  |   |
|                                                                                     | 6   | 151123 | Liner Assembly (8.580" OAL) (1)                         |                                |   |  |   |
|                                                                                     | 6   | 151115 | Liner O-Ring Package                                    |                                |   |  |   |
|                                                                                     | 6   | 151647 | Block Repair Sleeve, Lower Liner Pilot Bore (.930" OAL) |                                |   |  |   |
|    | 6   | 151116 | Piston Ring Set (1-1/8K 1-3/32 1-3.5MM)                 |                                |   |  |   |
|    | 6   | 251382 | STD Rod Bearing                                         | M                              | O |  | I |
|                                                                                     | 6   | 251384 | .010 Rod Bearing                                        |                                |   |  |   |
|                                                                                     | 6   | 251385 | .020 Rod Bearing                                        |                                |   |  |   |
|                                                                                     | 6   | 251386 | .030 Rod Bearing                                        |                                |   |  |   |
|   | 1   | 251346 | STD Main Bearing Set w/Thrust Washers                   | M                              | O |  | I |
|                                                                                     | 1   | 251347 | .010 Main Bearing Set w/Thrust Washers                  |                                |   |  |   |
|                                                                                     | 1   | 251348 | .020 Main Bearing Set w/Thrust Washers                  |                                |   |  |   |
|                                                                                     | 1   | 251349 | .030 Main Bearing Set w/Thrust Washers                  |                                |   |  |   |
|  | 1   | 251119 | STD Thrust Washer Set                                   |                                |   |  |   |
|                                                                                     | 1   | 251121 | .007 Thrust Washer Set                                  |                                |   |  |   |
|  | 1   | 351184 | Head Gasket Set                                         |                                |   |  | I |
|                                                                                     | 1   | 351336 | Head Gasket                                             |                                |   |  |   |
|                                                                                     | 1   | 351156 | Valve Cover Gasket (SEMR) (2)                           |                                |   |  |   |
|                                                                                     | 12  | 351683 | Valve Seal (Positive Type Viton) (3)                    |                                |   |  |   |
|                                                                                     | 6   | 351657 | Exhaust Manifold Gasket                                 |                                |   |  |   |
|  | 1   | 351712 | Full Gasket Set w/Seals                                 | M                              | O |  |   |
|                                                                                     | 1   | 351713 | Overhaul Gasket Set wo/Seals                            |                                |   |  |   |
|                                                                                     | 1   | 351711 | Block Gasket Set                                        |                                |   |  |   |
|                                                                                     | 1   | 351661 | Timing Cover Gasket                                     |                                |   |  |   |
|  | 1   | 351155 | Pan Gasket                                              |                                |   |  | I |
|                                                                                     | 1   | 351687 | Pan Gasket Set (2-Gaskets, 5-O-Rings)                   |                                |   |  |   |
|  | 1   | 351128 | Front Crank Seal                                        | M                              | O |  |   |
|                                                                                     | 1   | 351154 | Front Crank Spacer Assembly (3)                         |                                |   |  |   |
|                                                                                     | 1   | 351228 | Front Crank Seal Kit (Includes Wear Sleeve)             |                                |   |  |   |
|                                                                                     | 1   | 351129 | Rear Crank Seal Kit                                     | M                              | O |  |   |
|  | 6   | 251565 | Pin Bushing (Boreable / 1.625" Pin)                     | M                              |   |  |   |
|                                                                                     | 6   | 251566 | Pin Bushing (Honeable / 1.625" Pin)                     |                                |   |  |   |
|  | 12  | 751341 | Rod Bolt                                                | M                              | O |  | I |
|                                                                                     | 26  | 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-414-F

7/20/2006

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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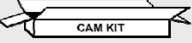
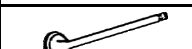
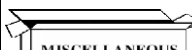
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CD-Saran Engine

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|-------------------------------------------------------------------------------------|-----|--------|-------------------------------------------------------------|--------------------------------|---|---|---|---|
|    | 1   | 959526 | Camshaft Kit                                                |                                |   |   |   | C |
|    | 1   | 959334 | Basic Valve Kit                                             |                                |   |   | B |   |
|                                                                                     | 1   | 959134 | Valve Train Kit                                             |                                |   | V |   |   |
|    | 1   | 551559 | Camshaft "Use w/Screw-In Tach Drive (4)"                    |                                |   |   |   | C |
|    | 1   | 551112 | Cam Thrust Plate                                            |                                |   |   |   | C |
|    | 12  | 551113 | Tappet                                                      |                                |   |   |   | C |
|    | 6   | 451111 | STD Exhaust Valve (5)                                       |                                | V |   | B |   |
|                                                                                     | 6   | 451113 | STD Intake Valve (6)                                        |                                | V |   | B |   |
|    | 6   | 451531 | Exhaust Service Repair Valve Guide (.502 OD / 2.390" OAL)   |                                |   |   |   |   |
|                                                                                     | 6   | 451532 | Intake Service Repair Valve Guide (.502 OD / 2.209" OAL)    |                                |   |   |   |   |
|                                                                                     | 12  | 451115 | Valve Spring                                                |                                | V |   | B |   |
|                                                                                     | 12  | 451116 | Rotator                                                     |                                | V |   |   |   |
|                                                                                     | 24  | 451117 | Keeper (Half)                                               |                                | V |   | B |   |
|    | 6   | 451126 | Ex Seat, OEM Dubuque (1.345-T-1.482 x 1.695 x .242) (7)     |                                |   |   |   |   |
|                                                                                     | 6   | 451119 | Ex Seat, OEM Saran (1.345-T-1.482 x 1.697 x .243)           |                                |   |   |   |   |
|                                                                                     | 6   | 451127 | In Seat, OEM Dubuque (1.550-T-1.650 x 1.857 x .257) (8)     |                                |   |   |   |   |
|                                                                                     | 6   | 451122 | In Seat, OEM Saran (1.550-T-1.650 x 1.859 x .257)           |                                |   |   |   |   |
|  | 12  | 451124 | Rocker Arm, Early (Socket Type Adj Screw) "Use w/551122"    |                                |   |   |   |   |
|                                                                                     | 12  | 451533 | Rocker Arm, Late (Ball Type Adj Screw) "Use w/551123"       |                                |   |   |   |   |
|                                                                                     | 1   | 451243 | Rocker Arm Shaft                                            |                                |   |   |   |   |
|                                                                                     | 2   | 451165 | Rocker Arm Shaft Plug (.464")                               |                                |   |   |   |   |
|  | 1   | 551137 | Cam Gear (48 Teeth)                                         |                                |   |   |   |   |
|                                                                                     | 1   | 551138 | Crank Gear (24 Teeth)                                       |                                |   |   |   |   |
|                                                                                     | 1   | 551139 | Upper Idler Gear (55 Teeth / 23 Notches) "Bushing - 551142" |                                |   |   |   |   |
|                                                                                     | 1   | 551141 | Lower Idler Gear (45 Teeth) "Bushing - 551143 (.750" Wide)" |                                |   |   |   |   |
|                                                                                     | 12  | 551122 | Push Rod (2-Ball Tips / 10.63" OAL)                         |                                |   |   |   |   |
|                                                                                     | 12  | 551123 | Push Rod, Late Style (1-Socket 1-Ball / 10.43" OAL)         |                                |   |   |   |   |
|  | 1   | 651145 | Oil Pump (2.000" Gears)                                     |                                |   |   |   |   |
|                                                                                     | 1   | 651149 | Oil Pump Kit (2.000" Gears)                                 |                                |   |   |   |   |
|                                                                                     | 1   | 651271 | Oil Cooler Element (3.375" Core Diameter)                   |                                |   |   |   |   |
|                                                                                     | 1   | 651269 | Oil Cooler Element (2.375" Core Diameter)                   |                                |   |   |   |   |
|                                                                                     | 1   | 651266 | Oil Cooler: 6068DF Saran (Doughnut)                         |                                |   |   |   |   |
|  | 1   | 751119 | Crankshaft, Early (4 Bolt Flange)                           |                                |   |   |   |   |
|                                                                                     | 1   | 751121 | Crankshaft, Late (6 Bolt Flange)                            |                                |   |   |   |   |
|                                                                                     | 6   | 751347 | Connecting Rod (1.625" Pin)                                 |                                |   |   |   |   |
|                                                                                     | 1   | 851188 | Fuel Pump (Threaded Ports)                                  |                                |   |   |   |   |
|                                                                                     | 1   | 851342 | Fuel Pump, Composite Cover (Vertical Hose Barbs)            |                                |   |   |   |   |
|                                                                                     | 2   | 851174 | Thermostat, Bypass Type: Except Below (180°)                |                                |   |   |   |   |
|                                                                                     | 1   | 851345 | Water Pump: 6068DF Code 2001, 2004                          |                                |   |   |   |   |
|                                                                                     | 1   | 851328 | Water Pump Kit wo/Impeller: 6068DF Code 2025                |                                |   |   |   |   |
|                                                                                     | 1   | 851332 | Water Pump Kit: (9)                                         |                                |   |   |   |   |
|                                                                                     | 1   | 851249 | Block Heater                                                |                                |   |   |   |   |

(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)6068DF Codes 2001, 2002, 2004, 2008, 2009, 2023, 2029