

# JOHN DEERE

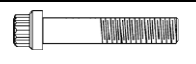


ENGINE: 4045H Powertech (16 Valve)  
Common Rail Fuel System

BORE: 4.1929" 4 Cyl Diesel NOTES: Tier 2, HPCR, Piston Code 4825, HD Piston Marked RE507758, 1.625" Pin

APPLICATION: Power Units: 4045HF475 Powertech;

TO-Dubuque Engine  
PE-Torreon Engine  
CD-Saran Engine  
JO-Rosario Engine

| QTY                                                                                 |    | ITEM # | DESCRIPTION                               | LETTERED ITEMS INCLUDED IN KIT |   |   |   |   |
|-------------------------------------------------------------------------------------|----|--------|-------------------------------------------|--------------------------------|---|---|---|---|
|    | 1  | 951293 | Underhaul Kit                             |                                |   |   |   | U |
|                                                                                     | 1  | 954265 | In-Frame Kit                              |                                |   |   | I |   |
|                                                                                     | 1  | 955265 | Out-of-Frame Kit                          |                                |   | O |   |   |
|                                                                                     | 1  | 956265 | Major Kit                                 | M                              |   |   |   |   |
|                                                                                     | 4  | 151663 | Sleeve & Piston Assembly                  | M                              | O |   | I |   |
|    | 4  | 151664 | Piston Assembly                           |                                |   |   |   |   |
|                                                                                     | 4  | NA     | Liner Assembly (1)                        |                                |   |   |   |   |
|                                                                                     | 4  | 151115 | Liner O-Ring Package                      |                                |   |   |   |   |
|                                                                                     | 4  | 151665 | Piston Ring Set                           |                                |   |   |   |   |
|   | 4  | 251125 | STD Rod Bearing                           | M                              | O |   | I | U |
|                                                                                     | 4  | 251126 | .010 Rod Bearing                          |                                |   |   |   |   |
|  | 1  | 251127 | STD Main Bearing Set                      | M                              | O |   | I | U |
|                                                                                     | 1  | 251128 | .010 Main Bearing Set                     |                                |   |   |   |   |
|  | 1  | 351736 | Head Gasket Set                           |                                |   |   |   |   |
|                                                                                     | 1  | 351132 | Head Gasket                               |                                |   |   |   |   |
|                                                                                     | 2  | 351735 | Valve Cover Gasket                        |                                |   |   |   |   |
|                                                                                     | 16 | 351728 | Valve Seal (2)                            |                                |   |   |   |   |
|  | 1  | 351737 | In-Frame Gasket Set                       |                                |   |   | I |   |
|                                                                                     | 4  | 351657 | Exhaust Manifold Gasket                   |                                |   |   |   |   |
|  | 1  | 351738 | Full Gasket Set w/Seals                   | M                              | O |   |   |   |
|                                                                                     | 1  | 351733 | Timing Cover Gasket wo/RH Auxillary Drive |                                |   |   |   |   |
|                                                                                     | 1  | 351734 | Timing Cover Gasket w/RH Auxillary Drive  |                                |   |   |   |   |
|  | 1  | 351136 | Pan Gasket (Sheet Metal Pan)              |                                |   |   |   |   |
|                                                                                     | 1  | 351137 | Pan Gasket (Cast or Aluminum Pan)         |                                |   |   |   |   |
|                                                                                     | 1  | 351718 | Pan Gasket Set (2-Gaskets, 3-O-Rings)     |                                |   |   |   | U |
|  | 1  | 351138 | Front Crank Seal                          |                                |   |   |   |   |
|                                                                                     | 1  | 351129 | Rear Crank Seal Kit                       |                                |   |   |   |   |
|  | 4  | 251299 | Pin Bushing (Boreable / 1.625" Pin)       |                                |   |   |   |   |
|                                                                                     | 4  | 251134 | Pin Bushing (Honeable / 1.625" Pin)       | M                              |   |   |   |   |
|                                                                                     | 1  | 251123 | Cam Bearing                               | M                              |   |   |   |   |
|                                                                                     | 6  | 251131 | Balancer Bushing                          | M                              |   |   |   |   |
|  | 8  | 751133 | Rod Bolt                                  | M                              | O |   | I | U |
|                                                                                     | 18 | 751356 | Head Bolt                                 |                                |   |   |   |   |

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

(2)Not In Gasket Sets or Kits

JD-276-Q

9/1/2006

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|-------------------------------------------------------------------------------------|-----|--------|-----------------------------------------------------------|----------------------|-----------------|
|    |     |        |                                                           |                      |                 |
|    |     |        |                                                           |                      |                 |
|    | 1   | 551362 | Camshaft w/Gear (Marked R515247)                          |                      |                 |
|                                                                                     | 8   | 551118 | Tappet                                                    |                      |                 |
|    | 8   | 451543 | STD Exhaust Valve                                         |                      |                 |
|                                                                                     | 8   | 451544 | STD Intake Valve                                          |                      |                 |
|    | 16  | 451534 | Valve Spring                                              |                      |                 |
|                                                                                     | 16  | 451541 | Retainer                                                  |                      |                 |
|                                                                                     | 32  | 451542 | Keeper (Half)                                             |                      |                 |
|    | 8   | 451545 | Exhaust Seat (1.239-T-1.315 x 1.437 x .236)               |                      |                 |
|                                                                                     | 8   | 451546 | Intake Seat (1.201-T-1.378 x 1.476 x .244)                |                      |                 |
|   | 4   | 451547 | Exhaust Rocker Arm                                        |                      |                 |
|                                                                                     | 4   | 451548 | Intake Rocker Arm                                         |                      |                 |
|                                                                                     | 1   | 451552 | Rocker Arm Shaft                                          |                      |                 |
|                                                                                     | 8   | 451551 | Valve Bridge Crossbar                                     |                      |                 |
|  | 1   | 551361 | Cam Timing Gear (60 Tooth)                                |                      |                 |
|                                                                                     | 1   | 551121 | Crank Timing Gear (30 Tooth)                              |                      |                 |
|                                                                                     | 1   | 551359 | Upper Idler Gear, Marked R504614                          |                      |                 |
|                                                                                     | 1   | 551351 | Lower Idler Gear, Marked R120636 "Includes Bush - 551352" |                      |                 |
|                                                                                     | 8   | 551356 | Push Rod                                                  |                      |                 |
|  | 1   | 651116 | Oil Pump                                                  |                      |                 |
|                                                                                     | 1   | 651119 | Oil Cooler (7 Plate)                                      |                      |                 |
|  | 1   | 751353 | Crankshaft (Single Bolt / Taper Nose)                     |                      |                 |
|                                                                                     | 4   | 751355 | Connecting Rod (1.625" Pin)                               |                      |                 |
|                                                                                     | 1   | 751135 | LH Balancer Shaft                                         |                      |                 |
|                                                                                     | 1   | 751136 | RH Balancer Shaft                                         |                      |                 |
|                                                                                     | 8   | 751357 | Balancer Weight Bolt                                      |                      |                 |
|                                                                                     | 4   | 851373 | Nozzle Sleeve Kit (1-Sleeve, 2-O-Rings)                   |                      |                 |
|                                                                                     | 1   | 851376 | Nozzle Wiring Harness                                     |                      |                 |
|                                                                                     | 4   | 851375 | Glow Plug (12 Volt)                                       |                      |                 |
|                                                                                     | 4   | 851377 | Glow Plug (24 Volt)                                       |                      |                 |
|                                                                                     | 1   | 851153 | Fuel Pump: Code 3713                                      |                      |                 |
|                                                                                     | 1   | 851155 | Fuel Pump Push Rod                                        |                      |                 |
|                                                                                     | 1   | 851163 | Thermostat, Upper (180°)                                  |                      |                 |
|                                                                                     | 1   | 851174 | Thermostat, Lower (180°)                                  |                      |                 |
|                                                                                     | 1   | 851367 | Water Pump (High Flow)                                    |                      |                 |
|                                                                                     | 1   | 851149 | Water Pump Kit (High Flow)                                |                      |                 |
|                                                                                     | 4   | 851374 | Exhaust Port Liner                                        |                      |                 |

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