

# FORD



ENGINE: 233 Diesel (1/75-9/80)  
BSD439

BORE: 4.2007" 4 Cyl Diesel NOTES: 4.2" Stroke

APPLICATION: Tractors: 5600 (1/75-9/80); 5700 (7/78-9/80);

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|  | QTY | ITEM #                 | DESCRIPTION                                           | LETTERED ITEMS INCLUDED IN KIT |   |   |  |
|--|-----|------------------------|-------------------------------------------------------|--------------------------------|---|---|--|
|  |     |                        |                                                       |                                |   |   |  |
|  | 1   | <a href="#">964121</a> | In-Frame Kit                                          |                                |   | I |  |
|  | 1   | <a href="#">965121</a> | Out-of-Frame Kit                                      |                                | O |   |  |
|  |     |                        |                                                       |                                |   |   |  |
|  | 4   | <a href="#">161119</a> | STD Piston Kit (Includes Pin & Rings)                 |                                | O | I |  |
|  | 4   | <a href="#">161121</a> | .020 Piston Kit (Includes Pin & Rings)                |                                |   |   |  |
|  | 4   | <a href="#">161122</a> | .030 Piston Kit (Includes Pin & Rings)                |                                |   |   |  |
|  | 4   | <a href="#">161123</a> | .040 Piston Kit (Includes Pin & Rings)                |                                |   |   |  |
|  | 4   | <a href="#">161173</a> | Liner (Straight / Semi-Finished Bore)                 |                                |   |   |  |
|  | 4   | <a href="#">161115</a> | STD Ring Set                                          |                                |   |   |  |
|  | 4   | <a href="#">161116</a> | .020 Ring Set                                         |                                |   |   |  |
|  | 4   | <a href="#">161117</a> | .030 Ring Set                                         |                                |   |   |  |
|  | 4   | <a href="#">161118</a> | .040 Ring Set                                         |                                |   |   |  |
|  | 4   | <a href="#">261113</a> | STD Rod Bearing                                       |                                | O | I |  |
|  | 4   | <a href="#">261114</a> | .002 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261115</a> | .010 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261116</a> | .020 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261117</a> | .030 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261118</a> | .040 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261119</a> | .050 Rod Bearing                                      |                                |   |   |  |
|  | 4   | <a href="#">261121</a> | .060 Rod Bearing                                      |                                |   |   |  |
|  | 1   | <a href="#">261134</a> | STD Main Bearing Set                                  |                                | O | I |  |
|  | 1   | <a href="#">261135</a> | .002 Main Bearing Set                                 |                                |   |   |  |
|  | 1   | <a href="#">261136</a> | .010 Main Bearing Set                                 |                                |   |   |  |
|  | 1   | <a href="#">261137</a> | .020 Main Bearing Set                                 |                                |   |   |  |
|  | 1   | <a href="#">261138</a> | .030 Main Bearing Set                                 |                                |   |   |  |
|  | 1   | <a href="#">261139</a> | .040 Main Bearing Set (1)                             |                                |   |   |  |
|  | 1   | <a href="#">261141</a> | .050 Main Bearing Set (Includes .010 Oversize Thrust) |                                |   |   |  |
|  | 1   | <a href="#">261142</a> | .060 Main Bearing Set (Includes .010 Oversize Thrust) |                                |   |   |  |
|  | 1   | <a href="#">361118</a> | Head Gasket Set                                       |                                | O | I |  |
|  | 1   | <a href="#">361167</a> | Head Gasket                                           |                                |   |   |  |
|  | 1   | <a href="#">361159</a> | Valve Cover Gasket (Cork)                             |                                |   |   |  |
|  | 1   | <a href="#">361115</a> | Lower Gasket Set w/Seals                              |                                | O |   |  |
|  | 1   | <a href="#">361145</a> | Block to Rear Engine Plate Gasket                     |                                |   |   |  |
|  | 1   | <a href="#">361153</a> | Pan Gasket Set (Cast Pan)                             |                                |   | I |  |
|  | 1   | <a href="#">361128</a> | Front Crank Seal                                      |                                |   |   |  |
|  | 1   | <a href="#">361129</a> | Crank Spacer (Internal Keyway) (2)                    |                                |   |   |  |
|  | 1   | <a href="#">361131</a> | Rear Crank Seal                                       |                                |   |   |  |
|  | 1   | <a href="#">301131</a> | Rear Crank Wear Sleeve (2)                            |                                |   |   |  |
|  | 4   | <a href="#">261111</a> | Pin Bushing                                           |                                |   |   |  |
|  | 1   | <a href="#">261133</a> | Cam Bearing Set                                       |                                |   |   |  |
|  | 1   | <a href="#">261182</a> | .010 Cam Bearing Set                                  |                                |   |   |  |
|  | 8   | <a href="#">761117</a> | Rod Bolt                                              |                                |   |   |  |
|  | 8   | <a href="#">761118</a> | Rod Nut                                               |                                |   |   |  |
|  | 1   | <a href="#">761153</a> | Head Bolt Kit w/Washers (1/2" Bolts)                  |                                |   |   |  |

(1) Use 261157 For Main Set w/.010 OS Thrust

(2) Not in Gasket Set

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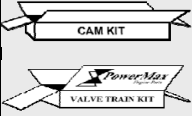
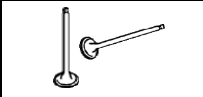
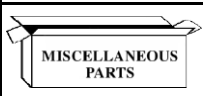
4/1/2004

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|                                                                                     | QTY | ITEM # | DESCRIPTION                                                  | LETTERED ITEMS INCLUDED IN KIT |   |  |   |
|-------------------------------------------------------------------------------------|-----|--------|--------------------------------------------------------------|--------------------------------|---|--|---|
|    | 1   | 969515 | Camshaft Kit                                                 |                                |   |  | C |
|                                                                                     |     |        |                                                              |                                |   |  |   |
|                                                                                     |     |        |                                                              |                                |   |  |   |
|                                                                                     | 1   | 969117 | Valve Train Kit                                              |                                | V |  |   |
|    | 1   | 561131 | Camshaft                                                     |                                |   |  | C |
|    | 8   | 561111 | Tappet                                                       |                                |   |  | C |
|    | 4   | 461119 | STD Exhaust Valve                                            |                                | V |  |   |
|                                                                                     | 4   | 461121 | .003 Exhaust Valve                                           |                                |   |  |   |
|                                                                                     | 4   | 461122 | .015 Exhaust Valve                                           |                                |   |  |   |
|                                                                                     | 4   | 461123 | .030 Exhaust Valve                                           |                                |   |  |   |
|                                                                                     | 4   | 461124 | STD Intake Valve                                             |                                | V |  |   |
|                                                                                     | 4   | 461125 | .003 Intake Valve                                            |                                |   |  |   |
|                                                                                     | 4   | 461126 | .015 Intake Valve                                            |                                |   |  |   |
|                                                                                     | 4   | 461127 | .030 Intake Valve                                            |                                |   |  |   |
|   | 8   | 401141 | Service Repair Valve Guide (Use When Wear Exceeds .030)      |                                |   |  |   |
|                                                                                     | 8   | 461128 | Valve Spring (2.15" Free Length)                             |                                |   |  |   |
|                                                                                     | 4   | 461129 | Valve Rotator                                                |                                |   |  |   |
|                                                                                     | 4   | 461146 | Spring/Retainer Update Kit (Incls Springs, Retainers, Seals) |                                | V |  |   |
|                                                                                     | 16  | 461131 | Valve Keeper (Half)                                          |                                | V |  |   |
|  | 4   | 461136 | STD Exhaust Valve Seat                                       |                                |   |  |   |
|                                                                                     | 4   | 461137 | .020 Exhaust Valve Seat                                      |                                |   |  |   |
|                                                                                     | 4   | 461138 | STD Intake Valve Seat                                        |                                |   |  |   |
|                                                                                     | 4   | 461139 | .020 Intake Valve Seat                                       |                                |   |  |   |
|  | 4   | 461141 | Exhaust Rocker Arm                                           |                                |   |  |   |
|                                                                                     | 4   | 461142 | Intake Rocker Arm                                            |                                |   |  |   |
|                                                                                     | 8   | 461194 | Rocker Arm Screw                                             |                                |   |  |   |
|                                                                                     | 1   | 461197 | Rocker Arm Shaft                                             |                                |   |  |   |
|  | 1   | 561117 | Cam Gear                                                     |                                |   |  |   |
|                                                                                     | 1   | 561118 | Crank Gear                                                   |                                |   |  |   |
|                                                                                     | 1   | 561121 | Idler Gear (3)                                               |                                |   |  |   |
|                                                                                     | 1   | 561122 | Hydraulic Pump Drive Gear (Rear of Cam)                      |                                |   |  |   |
|                                                                                     | 8   | 561115 | Push Rod (12.170" OAL)                                       |                                |   |  |   |
|  | 1   | 661112 | Oil Pump                                                     |                                |   |  |   |
|                                                                                     | 1   | 661115 | Oil Pump Screen                                              |                                |   |  |   |
|                                                                                     | 1   | 661113 | Intermediate Oil Pump Shaft                                  |                                |   |  |   |
|                                                                                     | 1   | 661114 | Oil Pump Drive Gear & Shaft                                  |                                |   |  |   |
|  | 1   | 761112 | Crankshaft (78 Tooth/RH Helix Balancer Gear)                 |                                |   |  |   |
|                                                                                     | 1   | 761123 | Plug, Rear Cam / Hyd Pump Drive Gear Cover                   |                                |   |  |   |
|                                                                                     | 2   | 761124 | Plug, Oil Galley (.636" OD)                                  |                                |   |  |   |
|                                                                                     | 1   | 761151 | Balancer Overhaul Kit (39 Tooth/12.5 MM Wide Gears)          |                                |   |  |   |
|                                                                                     | 1   | 761152 | Balancer Assembly (39 Tooth/12.5 MM Wide Gears)              |                                |   |  |   |
|                                                                                     | 1   | 861127 | Thermostat (168 Degree)                                      |                                |   |  |   |
|                                                                                     | 1   | 861128 | Thermostat (172 Degree)                                      |                                |   |  |   |
|                                                                                     | 1   | 861129 | Thermostat (180 Degree)                                      |                                |   |  |   |
|                                                                                     | 1   | 861131 | Thermostat (188 Degree)                                      |                                |   |  |   |

(3) Use 561125 For Bushing Only

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