

# INTERNATIONAL



ENGINE: 7.3L Diesel V-8  
Natural Aspirated Engine

|                                                                                       |       |        |                                              |
|---------------------------------------------------------------------------------------|-------|--------|----------------------------------------------|
| BORE: 4.110"                                                                          | 8 Cyl | Diesel | NOTES: Indirect Injection, 1.110" Piston Pin |
| APPLICATION: Trucks: 1988-1994 Ford Pickups & Vans; 1988-1994 Mid-Range International |       |        |                                              |

|  | QTY | ITEM # | DESCRIPTION                                                 | LETTERED ITEMS INCLUDED IN KIT |  |   |   |
|--|-----|--------|-------------------------------------------------------------|--------------------------------|--|---|---|
|  | 1   | 941158 | STD Underhaul Kit                                           |                                |  |   | U |
|  | 1   | 946173 | Major Kit                                                   |                                |  | M |   |
|  |     |        |                                                             |                                |  |   |   |
|  |     |        |                                                             |                                |  |   |   |
|  |     |        |                                                             |                                |  |   |   |
|  | 8   | 141671 | STD Piston Asb (.109" Oil Ring)                             | "Can Upgrade In Sets"          |  |   |   |
|  | 8   | 141672 | .010 Piston Asb (.109" Oil Ring)                            | "Can Upgrade In Sets"          |  |   |   |
|  | 8   | 141673 | .020 Piston Asb (.109" Oil Ring)                            | "Can Upgrade In Sets"          |  |   |   |
|  | 8   | 141674 | .030 Piston Asb (.109" Oil Ring)                            | "Can Upgrade In Sets"          |  |   |   |
|  | 8   | 141675 | STD Piston Asb (.136" Oil Ring) (1)(2)(3)                   |                                |  | M |   |
|  | 8   | 141676 | .010 Piston Asb (.136" Oil Ring)                            |                                |  |   |   |
|  | 8   | 141677 | .020 Piston Asb (.136" Oil Ring) (1)(2)(3)                  |                                |  |   |   |
|  | 8   | 141678 | .030 Piston Asb (.136" Oil Ring) (1)(2)(3)                  |                                |  |   |   |
|  | 8   | 141679 | .040 Piston Asb (.136" Oil Ring) (1)(2)(3)                  |                                |  |   |   |
|  | 8   | 141679 | .040 Piston Asb (.136" Oil Ring) (1)(2)(3)                  |                                |  |   |   |
|  | 1   | 141694 | STD Piston Ring Set, Thru # 598753 (2-.078 1-.109)          |                                |  |   |   |
|  | 1   | 141695 | .010 Piston Ring Set, Thru # 598753 (2-.078 1-.109)         |                                |  |   |   |
|  | 1   | 141696 | .020 Piston Ring Set, Thru # 598753 (2-.078 1-.109)         |                                |  |   |   |
|  | 1   | 141697 | .030 Piston Ring Set, Thru # 598753 (2-.078 1-.109)         |                                |  |   |   |
|  | 1   | 141698 | STD Piston Ring Set, After # 598753 (1-.118 1-.078 1-.136)  |                                |  | M |   |
|  | 1   | 141699 | .010 Piston Ring Set, After # 598753 (1-.118 1-.078 1-.136) |                                |  |   |   |
|  | 1   | 141711 | .020 Piston Ring Set, After # 598753 (1-.118 1-.078 1-.136) |                                |  |   |   |
|  | 1   | 141712 | .030 Piston Ring Set, After # 598753 (1-.118 1-.078 1-.136) |                                |  |   |   |
|  | 1   | 141713 | .040 Piston Ring Set, After # 598753 (1-.118 1-.078 1-.136) |                                |  |   |   |
|  | 8   | 141714 | Repair Liner (4.379" OD / 6.875" OAL)                       |                                |  |   |   |
|  | 1   | 241547 | STD Rod Bearing Set                                         |                                |  | M | U |
|  | 1   | 241548 | .001 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241549 | .002 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241551 | .010 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241552 | .020 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241553 | .030 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241554 | .040 Rod Bearing Set                                        |                                |  |   |   |
|  | 1   | 241555 | STD Main Bearing Set                                        |                                |  | M | U |
|  | 1   | 241556 | .001 Main Bearing Set                                       |                                |  |   |   |
|  | 1   | 241557 | .002 Main Bearing Set                                       |                                |  |   |   |
|  | 1   | 241558 | .010 Main Bearing Set (4)                                   |                                |  |   |   |
|  | 1   | 241559 | .020 Main Bearing Set (4)                                   |                                |  |   |   |
|  | 1   | 241561 | .030 Main Bearing Set (4)                                   |                                |  |   |   |
|  | 1   | 241562 | .040 Main Bearing Set                                       |                                |  |   |   |
|  | 1   | 341431 | Full Gasket Set w/Seals                                     |                                |  | M |   |
|  | 1   | 341432 | Head Gasket Set                                             |                                |  |   |   |
|  | 1   | 341549 | Lower Gasket Set w/Seals "Optional Pan Gkt Use 341551"      |                                |  |   |   |
|  | 1   | 341552 | Front Crank Seal "For Wear Sleeve Use 301137"               |                                |  |   |   |
|  | 1   | 341553 | Rear Crank Seal Kit                                         |                                |  |   |   |
|  | 8   | 241566 | Pin Bushing                                                 |                                |  | M |   |
|  | 1   | 241567 | Cam Bearing Set                                             |                                |  | M |   |
|  | 16  | 741251 | Rod Bolt "For Rod Nut Use 741252"                           |                                |  |   |   |
|  | 2   | 741234 | Head Bolt Kit (Updated Bolts w/Integral Washers)            |                                |  |   |   |

(1)Anodized:141681 STD/141682 .020/141683 .030/141684 .040 (2)Topped.010: 141685 STD/141686 .020/141687 .030/141688 .040

(3)Hard Anodized Crown For Aftermarket Turbo w/-.010 Comp Height: 141689 STD / 141691 -.020 / 141692 -.030 / 141693 -.040

(4)Main Sets w/.010 OS Thrust: 241563 -.010 / 241564 -.020 / 241565 -.030

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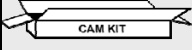
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ENGINE: 7.3L Diesel V-8  
Natural Aspirated Engine

BORE: 4.110" 8 Cyl Diesel NOTES: Indirect Injection, 1.110" Piston Pin

APPLICATION: Trucks: 1988-1994 Ford Pickups & Vans; 1988-1994 Mid-Range International

|                                                                                     | QTY | ITEM # | DESCRIPTION                                                  | LETTERED ITEMS INCLUDED IN KIT |   |   |   |
|-------------------------------------------------------------------------------------|-----|--------|--------------------------------------------------------------|--------------------------------|---|---|---|
|    | 1   | 949533 | Cam Kit                                                      |                                |   |   | C |
|    | 1   | 949331 | Basic Valve Kit (Optional .010 Thicker Head Margin)          |                                |   | B |   |
|                                                                                     | 1   | 949131 | Valve Train Kit (Optional .010 Thicker Head Margin)          |                                | V |   |   |
|    | 1   | 541287 | New Camshaft                                                 |                                |   |   | C |
|                                                                                     | 1   | 541288 | Cam Thrust Plate                                             |                                |   |   |   |
|                                                                                     | 1   | 541289 | Fuel Pump Eccentric                                          |                                |   |   |   |
|    | 16  | 541291 | Tappet                                                       |                                |   |   | C |
|                                                                                     | 8   | 541297 | Tappet Guide                                                 |                                |   |   |   |
|    | 8   | 441463 | STD Exhaust Valve                                            |                                | V | B |   |
|                                                                                     | 8   | 441464 | STD Exhaust Valve (Optional .010 Thicker Head Margin)        |                                |   |   |   |
|                                                                                     | 8   | 441465 | STD Stellite Exhaust Valve (Optional .010 Thicker Margin)    |                                |   |   |   |
|                                                                                     | 8   | 441466 | .015 Stellite Exhaust Valve (Optional .010 Thicker Margin)   |                                |   |   |   |
|                                                                                     | 8   | 441467 | STD Intake Valve                                             |                                | V | B |   |
|                                                                                     | 8   | 441468 | STD Intake Valve (Optional .010 Thicker Head Margin)         |                                |   |   |   |
|                                                                                     | 8   | 441469 | .015 Intake Valve (Optional .010 Thicker Head Margin)        |                                |   |   |   |
|    | 16  | 441471 | STD Valve Guide, OEM Version (.625" OD)                      |                                |   |   |   |
|                                                                                     | 16  | 441472 | STD Valve Guide, For 5/8" Conversion Reamer (.627" OD)       |                                |   |   |   |
|                                                                                     | 16  | 441473 | .002 Valve Guide (.629" OD)                                  |                                |   |   |   |
|                                                                                     | 16  | 441411 | Valve Spring (5)                                             |                                | V | B |   |
|                                                                                     | 16  | 441474 | Valve Rotator                                                |                                | V |   |   |
|                                                                                     | 32  | 441116 | Valve Keeper (Half)                                          |                                | V | B |   |
|                                                                                     | 8   | 341554 | Intake Valve Seal (Positive Type)                            |                                |   |   |   |
|                                                                                     | 8   | 341457 | Exhaust Valve Seal (Nylon Umbrella Type)                     |                                |   |   |   |
|  | 8   | 441475 | Ex Valve Seat (1.372-T-1.429" x 1.669" x .272" x 37 Deg) (6) |                                |   |   |   |
|                                                                                     | 8   | 401154 | In Valve Seat (1.625" x 1.880" x .187 x 45 Deg)              |                                |   |   |   |
|  | 16  | 441477 | Rocker Arm                                                   |                                |   |   |   |
|                                                                                     | 8   | 441478 | Rocker Arm Kit (Includes 2-Arms 2-Pivots 1-Retainer)         |                                |   |   |   |
|  | 1   | 541292 | Cam Gear                                                     |                                |   |   |   |
|                                                                                     | 1   | 541293 | Crank Gear                                                   |                                |   |   |   |
|                                                                                     | 1   | 541294 | Gear Set (Includes Cam & Crank Gear)                         |                                |   |   |   |
|                                                                                     | 1   | 541295 | Injection Pump Drive Gear                                    |                                |   |   |   |
|                                                                                     | 16  | 541296 | Push Rod                                                     |                                |   |   |   |
|  | 1   | 641221 | Oil Pump                                                     |                                |   |   |   |
|                                                                                     | 8   | 641223 | Piston Cooling Tube (Bolt-On Type)                           |                                |   |   |   |
|                                                                                     | 1   | 641219 | Oil Cooler Element (7)                                       |                                |   |   |   |
|  | 1   | 741254 | Crankshaft w/Gear                                            |                                |   |   |   |
|                                                                                     | 8   | 741247 | Connecting Rod                                               |                                |   |   |   |
|                                                                                     | 1   | 741242 | Block Plug Kit (12-SS Block Plugs & 2-Oil Galley Plugs)      |                                |   |   |   |
|                                                                                     | 8   | 841264 | Precup                                                       |                                |   |   |   |
|                                                                                     | 1   | 841256 | Thermostat w/Gasket                                          |                                |   |   |   |
|                                                                                     | 1   | 841257 | Block Heater                                                 |                                |   |   |   |
|                                                                                     | 1   | 841262 | Water Pump, Ford Pickup & Vans                               |                                |   |   |   |
|                                                                                     | 1   | 841258 | Fuel Pump                                                    |                                |   |   |   |
|                                                                                     | 1   | 841263 | CDR Valve (Crankcase Depression Regulator)                   |                                |   |   |   |
|                                                                                     | 1   | 841249 | Glow Plug Controller                                         |                                |   |   |   |
|                                                                                     | 8   | 841261 | Glow Plug (Bullet Type Terminal)                             |                                |   |   |   |

(5)For Retainers Use 441479 In / 441265 Ex

(6)Not Recommended For 88 & 89 Thin Wall Castings

(7)For Rebuilt Use 641226

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