

# PERKINS



ENGINE: 1006-60T / 1006-60TW  
T6.601 / CCW6.601

|                                                                                           |       |        |                                                                                   |
|-------------------------------------------------------------------------------------------|-------|--------|-----------------------------------------------------------------------------------|
| BORE: 3.938"                                                                              | 6 Cyl | Diesel | Notes: ESN Thru U801517J, Fastram Piston, No Compressor, Notched Rods, 45° Valves |
| APPLICATION: Snow Groomers: Bombardier Unknown (YK70396);<br>Tractors: MF 8210 (YH31441); |       |        |                                                                                   |

|                                                                                     | QTY | ITEM # | DESCRIPTION                                                | LETTERED ITEMS INCLUDED IN KIT |   |  |   |
|-------------------------------------------------------------------------------------|-----|--------|------------------------------------------------------------|--------------------------------|---|--|---|
|    | 1   | 974484 | In-Frame Kit                                               |                                |   |  | I |
|                                                                                     | 1   | 975484 | Out-of-Frame Kit                                           |                                | O |  |   |
|                                                                                     | 1   | 976484 | Major Kit                                                  | M                              |   |  |   |
|                                                                                     | 6   | 171374 | Sleeve & Piston Assembly                                   | M                              | O |  | I |
|    | 6   | 171376 | Piston Assembly                                            |                                |   |  |   |
|                                                                                     | 6   | 171367 | Cylinder Liner (Flange/Finished/Fire Dam/4.1035" OD) (1)   |                                |   |  |   |
|                                                                                     | 6   | 171366 | Cylinder Liner (Flange/Semi-Finished/FD/4.1055" OD) (2)    |                                |   |  |   |
|                                                                                     | 6   | 171468 | 005 Liner Shim                                             |                                |   |  |   |
|                                                                                     | 6   | 171377 | Piston Ring Set (2-2.5MM 1-4MM)                            |                                |   |  |   |
|    | 6   | 271261 | STD Rod Bearing (Locating Tangs For Notched Rods)          | M                              | O |  | I |
|                                                                                     | 6   | 271262 | .010 Rod Bearing (Locating Tangs For Notched Rods)         |                                |   |  |   |
|                                                                                     | 6   | 271263 | .020 Rod Bearing (Locating Tangs For Notched Rods)         |                                |   |  |   |
|                                                                                     | 6   | 271264 | .030 Rod Bearing (Locating Tangs For Notched Rods)         |                                |   |  |   |
|    | 1   | 271311 | STD Main Set, wo/Thrust Washers                            | M                              | O |  | I |
|                                                                                     | 1   | 271312 | .010 Main Set, wo/Thrust Washers                           |                                |   |  |   |
|                                                                                     | 1   | 271313 | .020 Main Set, wo/Thrust Washers                           |                                |   |  |   |
|                                                                                     | 1   | 271314 | .030 Main Set, wo/Thrust Washers                           |                                |   |  |   |
|  | 1   | 271119 | STD Thrust Washer Set (Offset Lug)                         | M                              | O |  | I |
|                                                                                     | 1   | 271125 | .007 Thrust Washer Set (Offset Lug)                        |                                |   |  |   |
|                                                                                     | 1   | 271126 | .010 Thrust Washer Set (Offset Lug)                        |                                |   |  |   |
|  | 1   | 371448 | Head Gasket Set "Head Gasket - 371324"                     | M                              | O |  | I |
|                                                                                     | 1   | 371376 | Valve Cover Gasket                                         |                                |   |  |   |
|                                                                                     | 6   | 371191 | Exhaust Valve Seal (Brown Umbrella Type)                   |                                |   |  |   |
|                                                                                     | 6   | 371188 | Intake Valve Seal (Green Umbrella Type)                    |                                |   |  |   |
|  | 1   | 371464 | Lower Gasket Set wo/Seals                                  | M                              | O |  |   |
|                                                                                     | 1   | 371363 | Timing Cover Gasket (No Compressor / Late Design)          |                                |   |  |   |
|                                                                                     | 1   | 371362 | Pan Gkt, Optional For Stressed Pan (.048" Perf Metal Core) |                                |   |  | I |
|  | 1   | 371146 | Front Crank Seal (Viton Lip Type) (7)                      | M                              | O |  |   |
|                                                                                     | 1   | 371145 | Rear Crank Seal, Thru U764751H (Viton Lip Type) (8)        | M                              | O |  |   |
|                                                                                     | 1   | 371297 | Rear Crank Seal & Housing, After U764751H (9)              | M                              | O |  |   |
|  | 6   | 271198 | Pin Bushing (Straight / 1.563" Pin) (10)                   | M                              |   |  |   |
|                                                                                     | 6   | 271289 | Pin Bushing (Tapered / 1.563" Pin) (11)                    |                                |   |  |   |
|                                                                                     | 1   | 271127 | Cam Bearing (Finished ID)                                  | M                              |   |  |   |
|  | 6   | 771351 | Conn Rod (6.5211-6.5224 / Grade H / White Mark)            |                                |   |  |   |
|                                                                                     | 6   | 771352 | Conn Rod (6.5193-6.5206 / Grade J / Green Mark)            |                                |   |  |   |
|                                                                                     | 6   | 771353 | Conn Rod (6.5175-6.5188 / Grade K / Purple Mark)           |                                |   |  |   |
|                                                                                     | 6   | 771354 | Conn Rod (6.5157-6.5170 / Grade L / Blue Mark)             |                                |   |  |   |
|                                                                                     | 12  | 771151 | Connecting Rod Bolt (Serrated Split)                       | M                              |   |  |   |
|                                                                                     | 12  | 771148 | Connecting Rod Nut (Serrated Split)                        | M                              |   |  |   |
|                                                                                     | 12  | 771368 | Conn Rod Capscrew (Doweled Flat Butt Split / 1/2 x 2.766)  |                                |   |  |   |
|                                                                                     | 12  | 771323 | Conn Rod Capscrew (Fractured Split / 7/16 x 2.580 12Pt)    |                                |   |  |   |
|                                                                                     | 1   | 771343 | Head Bolt Kit (32 Bolts)                                   |                                |   |  |   |

(1).010 OS Finished Liner - 171368

(2).020 OS Semi-Finished Liner - 171511

(7)Wear Sleeve - 301115

(8)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

(9)Wear Sleeve - 371366

(10)Used When Taper Press Tooling Is Not Available (Machine Taper After Boring To Size) (11)Used With Proper Taper Press Tooling

PK-365-8

1/25/2011

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ENGINE: 1006-60T / 1006-60TW  
T6.601 / CCW6.601

BORE: 3.938" 6 Cyl Diesel Notes: ESN Thru U801517J, Fastram Piston, No Compressor, Notched Rods, 45° Valves  
APPLICATION: Snow Groomers: Bombardier Unknown (YK70396);  
Tractors: MF 8210 (YH31441);

|                                                                                     | QTY | ITEM # | DESCRIPTION                                               | LETTERED ITEMS INCLUDED IN KIT |  |  |   |   |
|-------------------------------------------------------------------------------------|-----|--------|-----------------------------------------------------------|--------------------------------|--|--|---|---|
|    | 1   | 979529 | Camshaft Kit                                              |                                |  |  |   | C |
|    | 1   | 979168 | Valve Train Kit                                           |                                |  |  |   | V |
|    | 1   | 571244 | Camshaft                                                  |                                |  |  |   | C |
|                                                                                     | 1   | 771363 | Cam Bolt (M12 x 45MM)                                     |                                |  |  |   |   |
|                                                                                     | 1   | 271249 | Thrust Washer                                             |                                |  |  |   |   |
|    | 12  | 571123 | Tappet                                                    |                                |  |  |   | C |
|    | 6   | 471158 | Exhaust Valve (45° / 41.0MM Hd Dia)                       |                                |  |  | V |   |
|                                                                                     | 6   | 471278 | Intake Valve (45° / 43.0MM Hd Dia)                        |                                |  |  | V |   |
|    | 6   | 471279 | Exhaust Guide                                             |                                |  |  | V |   |
|                                                                                     | 6   | 471237 | Intake Guide                                              |                                |  |  | V |   |
|                                                                                     | 12  | 471161 | Valve Spring (1.860" Free Length)                         |                                |  |  | V |   |
|                                                                                     | 12  | 471295 | Valve Spring Retainer                                     |                                |  |  | V |   |
|                                                                                     | 24  | 471241 | Keeper (Half)                                             |                                |  |  | V |   |
|   | 6   | 471298 | Exhaust Seat (1.717" OD)                                  |                                |  |  |   |   |
|                                                                                     | 6   | 471299 | Intake Seat (1.796" OD)                                   |                                |  |  |   |   |
|  | 6   | 471283 | LH Rocker Arm (Screw & Nut Not Incl) (12)                 |                                |  |  |   |   |
|                                                                                     | 6   | 471284 | RH Rocker Arm (Screw & Nut Not Incl) (12)                 |                                |  |  |   |   |
|                                                                                     | 1   | 471285 | Rocker Arm Shaft (13) "Incls 471176 Plugs"                |                                |  |  |   |   |
|  | 1   | 571171 | Cam Gear (Steel / 56 Teeth)                               |                                |  |  |   |   |
|                                                                                     | 1   | 571131 | Crank Gear (28 Teeth / 1.632" Wide)                       |                                |  |  |   |   |
|                                                                                     | 1   | 571163 | Idler Gear (Steel / 63 Teeth) (14)                        |                                |  |  |   |   |
|                                                                                     | 12  | 571117 | Push Rod                                                  |                                |  |  |   |   |
|  | 1   | 671153 | Oil Pump                                                  |                                |  |  |   |   |
|                                                                                     | 1   | 671195 | Oil Pump Idler Gear "Includes Bush - 571124"              |                                |  |  |   |   |
|                                                                                     | 1   | 671174 | Relief Valve Assembly                                     |                                |  |  |   |   |
|                                                                                     | 6   | 671157 | Piston Cooling Jet "Check Valve - 671158"                 |                                |  |  |   |   |
|                                                                                     | 1   | 671198 | Oil Cooler, Early Engines (7 Plate/Vertical Studs)        |                                |  |  |   |   |
|                                                                                     | 1   | 671197 | Oil Cooler, Mid Engines (5 Plate/Angled Studs)            |                                |  |  |   |   |
|                                                                                     | 1   | 671173 | Oil Cooler: Late Engines (8 Plate/Angled Studs)           |                                |  |  |   |   |
|  | 1   | 771139 | Crank Kit: YK70396 (Notched Rods / Tuffrided)             |                                |  |  |   |   |
|                                                                                     | 1   | 771175 | Crank Kit: YH31441 (Notched Rods / Nitrided)              |                                |  |  |   |   |
|                                                                                     | 1   | 771346 | Damper: YH31441                                           |                                |  |  |   |   |
|                                                                                     | 1   | 771448 | Damper: YK70396                                           |                                |  |  |   |   |
|                                                                                     | 1   | 771447 | Cylinder Head Assembly (Includes 45° Valves & Springs)    |                                |  |  |   |   |
|                                                                                     | 1   | 771444 | Expansion Plug Kit (19 Head & Block Plugs)                |                                |  |  |   |   |
|                                                                                     | 1   | 871263 | Thermostat, Thru U654243C                                 |                                |  |  |   |   |
|                                                                                     | 1   | 871252 | Thermostat, After U654243C                                |                                |  |  |   |   |
|                                                                                     | 1   | 871224 | Water Pump                                                |                                |  |  |   |   |
|                                                                                     | 1   | 871272 | Bypass Hose Kit: YK70396                                  |                                |  |  |   |   |
|                                                                                     | 1   | 871296 | Bypass Hose Kit: YH31441                                  |                                |  |  |   |   |
|                                                                                     | 1   | 871251 | Block Heater                                              |                                |  |  |   |   |
|                                                                                     | 1   | 871182 | Manifold Heater Plug (Blade Terminal) "Some Appl Use Two" |                                |  |  |   |   |
|                                                                                     | 1   | 871293 | Fuel Pump: YK70396                                        |                                |  |  |   |   |
|                                                                                     | 1   | 871167 | Fuel Pump: YH31441                                        |                                |  |  |   |   |

(12)Adjusting Screw-471226 / Lock Nut - 571139

(13)Rocker Arm Shaft Snap Ring - 471228

(14)Includes 2 Bushings - 571144

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