

# PERKINS



ENGINE: G4.236  
Thru U106654N

|              |       |           |                                      |
|--------------|-------|-----------|--------------------------------------|
| BORE: 3.877" | 4 Cyl | Gas / LPG | Notes: Straight Liners, Has Balancer |
|--------------|-------|-----------|--------------------------------------|

APPLICATION: Forklifts: Clark (LE22085, LE70236, LE70271, LE70318); CY60, CY70, CY80 (LE21623); C500S80 (LE70175)  
Forklifts: Clark C500Y60 (LE22376, LE80173); C500H60, C500H70, C500H80, C500YS80 (LE70157)  
Forklifts: Clark DCY70, DCY80 (LE21060 w/2 Bolt Fuel Pump); Yale (LE21205, LE22059, LE22555)

|  | QTY | ITEM # | DESCRIPTION                                                | LETTERED ITEMS INCLUDED IN KIT |   |   |   |
|--|-----|--------|------------------------------------------------------------|--------------------------------|---|---|---|
|  | 1   | 974241 | In-Frame Kit: Thru U009686M (Individual Manifold Gkts)     |                                |   |   | I |
|  | 1   | 974242 | In-Frame Kit: After U009686M (Heat Shield Gasket)          |                                |   |   | I |
|  | 1   | 975241 | Out-of-Frame Kit: Thru U009686M (Individual Manifold Gkts) |                                | O |   |   |
|  | 1   | 975242 | Out-of-Frame Kit: After U009686M (Heat Shield Gasket)      |                                | O |   |   |
|  |     |        |                                                            |                                |   |   |   |
|  | 4   | 171469 | Sleeve & Piston Asb (Straight Liner)                       |                                | O | O | I |
|  | 4   | 171288 | Piston Assembly                                            |                                |   |   | I |
|  | 4   | 171215 | STD Cylinder Liner (Straight/Semi-Finished/4.0655" OD) (1) |                                |   |   |   |
|  | 4   | 171291 | Piston Ring Set (3-3/32 1-1/4)                             |                                |   |   |   |
|  | 4   | 271151 | STD Rod Bearing                                            |                                | O | O | I |
|  | 4   | 271152 | .010 Rod Bearing                                           |                                |   |   | I |
|  | 4   | 271153 | .020 Rod Bearing                                           |                                |   |   |   |
|  | 4   | 271154 | .030 Rod Bearing                                           |                                |   |   |   |
|  | 4   | 271155 | .040 Rod Bearing                                           |                                |   |   |   |
|  | 4   | 271156 | .050 Rod Bearing                                           |                                |   |   |   |
|  | 4   | 271157 | .060 Rod Bearing                                           |                                |   |   |   |
|  | 1   | 271161 | STD Main Bearing Set, wo/Thrust Washers                    |                                | O | O | I |
|  | 1   | 271162 | .010 Main Bearing Set, wo/Thrust Washers                   |                                |   |   | I |
|  | 1   | 271163 | .020 Main Bearing Set, wo/Thrust Washers                   |                                |   |   |   |
|  | 1   | 271164 | .030 Main Bearing Set, wo/Thrust Washers                   |                                |   |   |   |
|  | 1   | 271165 | .040 Main Bearing Set, wo/Thrust Washers                   |                                |   |   |   |
|  | 1   | 271166 | .050 Main Bearing Set, wo/Thrust Washers                   |                                |   |   |   |
|  | 1   | 271167 | .060 Main Bearing Set, wo/Thrust Washers                   |                                |   |   |   |
|  | 1   | 271119 | STD Thrust Washer Set                                      |                                | O | O | I |
|  | 1   | 271125 | .007 Thrust Washer Set                                     |                                |   |   |   |
|  | 1   | 271126 | .010 Thrust Washer Set                                     |                                |   |   |   |
|  | 1   | 371285 | Head Gasket Set: Thru U009686M (Individual Manifold Gkts)  |                                |   | O | I |
|  | 1   | 371296 | Head Gasket Set: After U009686M (Heat Shield Gasket)       |                                | O |   | I |
|  | 1   | 371116 | Head Gasket                                                |                                |   |   |   |
|  | 1   | 371117 | Valve Cover Gasket                                         |                                |   |   |   |
|  | 8   | 371143 | Valve Seal                                                 |                                |   |   |   |
|  | 1   | 371287 | Lower Gasket Set wo/Seals                                  |                                | O | O |   |
|  | 1   | 371295 | Timing Cover Gasket Set, w/Aux Drive Hsg "Optional" (2)    |                                |   |   |   |
|  | 1   | 371282 | Pan Gasket                                                 |                                |   |   | I |
|  | 1   | 371146 | Front Crank Seal (Viton Lip Type) (3)                      |                                | O | O |   |
|  | 1   | 371161 | Rear Crank Seal Kit, Thru 236U1189A (Rope Type) (4)        |                                |   | O |   |
|  | 1   | 371186 | Rear Seal & Housing Kit, Thru 236U1189A (Rope Type) (4)    |                                |   |   |   |
|  | 1   | 371145 | Rear Crank Seal, After 236U1189A (Viton Lip Type) (5)      |                                | O | O |   |
|  | 1   | 771159 | Rear Block Bridge Piece                                    |                                |   |   |   |
|  | 4   | 271238 | Pin Bushing (1.000" Pin)                                   |                                |   |   |   |
|  | 1   | 271127 | Cam Bearing (Finished ID)                                  |                                |   |   |   |
|  | 8   | 771151 | Connecting Rod Bolt                                        |                                |   |   |   |
|  | 8   | 771148 | Connecting Rod Nut                                         |                                |   |   |   |
|  | 1   | 771282 | Head Stud/Bolt & Nut Kit, Early (2 Studs / 20 Bolts)       |                                |   |   |   |
|  | 1   | 771292 | Head Bolt Kit, Thru U027630M (22 Bolts / .125" Block CB)   |                                |   |   |   |
|  | 1   | 771293 | Head Bolt Kit, After U027630M (Ribbed Blocks / .500" CB)   |                                |   |   |   |

(1)OS Straight Liner: .005 - 171358 / .010 - 171216 (2)Used On LE21060, 21205, 21623 (Not Included In Gasket Sets or Kits)

(3)Wear Sleeve - 301115 (4)Rope Seal Housing Gasket - 371288 (5)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

PK-236-C

9/13/2012

CLICK THE ITEM # TO VIEW OR PURCHASE PART

1-800-443-0625 | WWW.JENSALES.COM

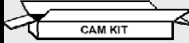
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|                                                                                     | QTY | ITEM # | DESCRIPTION                                                  | LETTERED ITEMS INCLUDED IN KIT |   |   |   |   |
|-------------------------------------------------------------------------------------|-----|--------|--------------------------------------------------------------|--------------------------------|---|---|---|---|
|    | 1   | 979517 | Camshaft Kit                                                 |                                |   |   |   | C |
|    | 1   | 979335 | Basic Valve Kit                                              |                                |   |   | B |   |
|                                                                                     | 1   | 979317 | Basic Valve Kit, w/Guides                                    |                                |   |   | B |   |
|                                                                                     | 1   | 979135 | Valve Train Kit                                              |                                |   |   | V |   |
|                                                                                     | 1   | 979117 | Valve Train Kit, w/Guides                                    |                                |   |   | V |   |
|    | 1   | 571114 | Camshaft "Cam Bolt Lock Plate - 571162"                      |                                |   |   |   | C |
|                                                                                     | 1   | 271249 | Camshaft Thrust Washer (1.750 X 2.873 X .217) (6)            |                                |   |   |   |   |
|                                                                                     | 8   | 571123 | Tappet                                                       |                                |   |   |   | C |
|    | 4   | 471211 | STD Exhaust Valve (1.440 Hd Dia / 5.000 OAL / 45°) (7)       | V                              | V | B | B |   |
|                                                                                     | 4   | 471215 | STD Intake Valve (1.740 Hd Dia / 4.839 OAL / 45°) (8)        | V                              | V | B | B |   |
|    | 4   | 471132 | Exhaust Guide: After U046510M or Service Repair              | V                              |   | B |   |   |
|                                                                                     | 4   | 471131 | Intake Guide: After U046510M or Service Repair               | V                              |   | B |   |   |
|                                                                                     | 8   | 471134 | Outer Valve Spring (8 Coils / 2.500" Free Length)            | V                              | V | B | B |   |
|                                                                                     | 8   | 471133 | Inner Valve Spring (9 Coils / 2.000" Free Length)            | V                              | V | B | B |   |
|                                                                                     | 8   | 471219 | Spring Seat, Integral Guides "With Service Guides - 471229"  |                                |   |   |   |   |
|                                                                                     | 4   | 471221 | Exhaust Rotator                                              | V                              | V |   |   |   |
|                                                                                     | 4   | 471222 | Intake Spring Retainer                                       |                                |   |   |   |   |
|                                                                                     | 16  | 471146 | Keeper (Half)                                                | V                              | V | B | B |   |
|  | 4   | 471223 | Exhaust Seat: Except LE21060, LE21205                        |                                |   |   |   |   |
|                                                                                     | 4   | 471111 | Exhaust Seat: LE21060, LE21205                               |                                |   |   |   |   |
|  | 4   | 471224 | LH Rocker Arm (Adjusting Screw & Lock Nut Not Included)      |                                |   |   |   |   |
|                                                                                     | 4   | 471225 | RH Rocker Arm (Adjusting Screw & Lock Nut Not Included)      |                                |   |   |   |   |
|                                                                                     | 8   | 471226 | Adjusting Screw (9)                                          |                                |   |   |   |   |
|                                                                                     | 1   | 471227 | Rocker Arm Shaft (10) "Includes 471176 Plugs"                |                                |   |   |   |   |
|  | 1   | 571165 | Cam Gear (Steel / 56 Teeth) (11)                             |                                |   |   |   |   |
|                                                                                     | 1   | 571166 | Crank Gear (Steel / 28 Teeth) (11)                           |                                |   |   |   |   |
|                                                                                     | 1   | 571167 | Idler Gear (Steel / 63 Teeth) (11) "Needle Bearing - 571168" |                                |   |   |   |   |
|                                                                                     | 8   | 571117 | Push Rod                                                     |                                |   |   |   |   |
|  | 1   | 671142 | Oil Pump Kit (Gears,Shaft,Plate,Valve,Spring,Cap,Gkts) (12)  |                                |   |   |   |   |
|                                                                                     | 1   | 671143 | Oil Pump Body (LH Oil Filter) "With RH Filter Use 671152"    |                                |   |   |   |   |
|                                                                                     | 1   | 671146 | Oil Pump Inlet Strainer: Except LE21205, 22059, 22085        |                                |   |   |   |   |
|  | 1   | 771129 | Crank Kit, Thru 236U1189A (Spline Nose / Rope Seal)          |                                |   |   |   |   |
|                                                                                     | 1   | 771132 | Crank Kit, After 236U1189A (Spline Nose / Lip Seal)          |                                |   |   |   |   |
|                                                                                     | 1   | 771283 | Cylinder Head Assembly (Includes Valves & Springs)           |                                |   |   |   |   |
|                                                                                     | 1   | 771286 | Expansion Plug Kit (Includes 19 Plugs For Head & Block)      |                                |   |   |   |   |
|                                                                                     | 1   | 771288 | Balancer Kit, Early (3 Shafts, 2 Gears, Keys, Plate) (13)    |                                |   |   |   |   |
|                                                                                     | 1   | 771287 | Balancer Kit, Late (3 Shafts, 2 Gears, Keys, 4 Brgs) (14)    |                                |   |   |   |   |
|                                                                                     | 1   | 771165 | Balancer Kit, Service (3 Shafts, 2 Gears, Keys, 4 Brgs) (15) |                                |   |   |   |   |
|                                                                                     | 2   | 771197 | Balancer Gear, Late (3 Bolt / 1.375 ID / 30T)                |                                |   |   |   |   |
|                                                                                     | 1   | 871137 | Thermostat (2.750"): Except (16)                             |                                |   |   |   |   |
|                                                                                     | 1   | 871216 | Water Pump: Except (17) (wo/Pulley)                          |                                |   |   |   |   |
|                                                                                     | 1   | 871147 | Water Pump: (17) (wo/Pulley)                                 |                                |   |   |   |   |

(6).026" OS - 271239 (1.750 X 2.873 X .243 Recessed Face) (7)Oversizes: .003 - 471212 / .015 - 471213 / .030 - 471214

(8)Oversizes: .003 - 471216 / .015 - 471217 / .030 - 471218 (9)Lock Nut - 571139 (10)Rocker Arm Shaft Snap Ring - 471228

(11)LE70157,70175,70236,70271,70318 Gears: Cam - 571112 / Crk - 571113 / Idler - 571163 / Idler Bush - 571144 / Idler Hub - 571145

(12)Supply 771166 If Drive Spline Is .422" OD (13)Frame w/Bushings (14)Frame w/Needle Brgs (15)Frame w/Grooved Roller Brgs

(16)LE22059,22085(2.5")-871221 / 70157,70236 After U792122H; 22376,80173(2.125")-871222 / 70175,70271,70318(2.125")-871162

(17)LE21205, LE22059, LE22085, LE22555, LE70175, LE70271, LE70318