

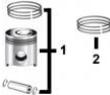
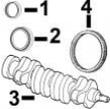
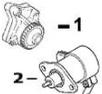
**Engine Model:**  
3TNE82A

**Engine Data:**  
Direct Injection  
Non-Turbo

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.22 in / 82.00 mm Stroke: 3.30 in / 84.00 mm

Please see page 605 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                  , YOK3TNE82A                  , YOK3TNE82A/25                  , SPEC SHEET - YOK3TNE82A</p>	 <p><b>1) Piston &amp; Ring Kit</b>                  , Y119813-22080 Std.                  , Y119813-22900 0.25  <b>Use 3</b>  <b>2) Ring Set</b>                  , Y119813-22500 Std.                  , Y129003-22950 0.25</p>	 <p><b>Main Bearing</b>                  , Y119810-02800 Std.                  , Y119810-02870 0.25  <b>Use 1 Sold by SET</b></p>	 <p><b>Con Rod Bearing</b>                  , Y119810-23600 Std.                  , Y119810-23610 0.25  <b>Use 1 Sold by Set</b></p>	 <p><b>Thrust Washers</b>                  , Y119717-02930  <b>Use 1 Sold as Set</b></p>
 <p><b>1) Front Seal</b>                  , Y129795-01800  <b>2) Rear Seal</b>                  , Y119810-01780 76x93x10mm                  , Y129795-01780 85x102x13mm  <b>3) Crankshaft</b>                  , Y119813-21000  <b>4) Flywheel Ring Gear</b>                  , Y119865-21600</p>	 <p><b>1) O/H Gasket Set</b>                  , Y719823-92780  <b>2) Head Gasket</b>                  , Y119812-01330  <b>3) Liquid Gasket</b>                  , Y977770-1207F</p>	 <p><b>1) Bushing, Con Rod</b>                  , Y119810-23910 x3  <b>2) Bolt, Con Rod</b>                  , Y119810-23200 x6  <b>3) Bushing, Cam</b>                  , Y129795-02412 x1  <b>5) Bolt, Cylinder Head</b>                  , Y119810-01200</p>	 <p><b>1) Tappet</b>                  , Y129150-14200 x6  <b>2) Camshaft</b>                  , Y119810-14580  <b>3) Push Rod</b>                  , Y119810-14400 x6</p>	
<p><b>Valve, Intake</b>                  , Y119810-11100 x3</p>	<p><b>Valve, Exhaust</b>                  , Y119810-11110 x3</p>	<p><b>Guide, Valve Intake</b>                  , Y124060-11800 x3  <b>Guide, Valve Exhaust</b>                  , Y119802-11810 x3</p>	<p><b>Stem, Seal Intake</b>                  , Y124160-11340 x3  <b>Stem, Seal Exhaust</b>                  , Y124950-11340 x3</p>	<p><b>Spring, Valve</b>                  , 119810-11120 x6  <b>Lock, Valve</b>                  , Y127310-070001 x12</p>
 <p><b>1) Thermostat</b>                  , Y129155-49800</p>	 <p><b>1) Oil Pump</b>                  , Y129001-32001 (1)  <b>2) Solenoid, Fuel Stop</b>                  , Y119653-77950 (1)</p>	 <p><b>Lift Pump</b>                  , Y129100-52101-Z</p>	 <p><b>1) Water Pump</b>                  , Y119810-42001 (1)  <b>2) Water Pump Gasket</b>                  , Y129150-42020</p>	 <p><b>Repair Sleeve</b>                  , 82RS</p>

(1): Check your application for proper usage.

(2): Gear not included.

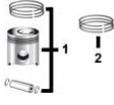
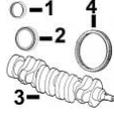
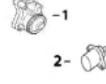
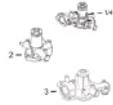
**Engine Model:**  
3TNE84 / 3TNE84T

**Engine Data:**  
G1 GH G1A

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.30 in / 84.00 mm Stroke: 3.54 in / 90.00 mm

Please see page 606 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK3TNE84D          , YOK3TNE84D/25          , SPEC SHEET - YOK3TNE84D</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y129002-22090 <i>Std.</i>          , Y129002-22910 <i>0.25</i>  <b>Use 3</b>  <b>2) Ring Set</b>          , Y129002-22510 <i>Std.</i>          , Y129002-22960 <i>0.25</i></p>	 <p><b>Main Bearing</b>          , Y129001-02931 <i>Std.</i>          , Y129150-02871 <i>0.25</i>  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y129150-23601 <i>Std.</i>          , Y129150-23611 <i>0.25</i>  <b>Use 3 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y129795-01800  <b>2) Rear Seal</b>          , Y129795-01780  <b>3) Crankshaft</b>          , Y129001-21100  <b>4) Flywheel Ring Gear</b>          , Y124550-21600 <i>127T</i></p>	 <p><b>1) O/H Gasket Set</b>          , YMGS3TNE84  <b>2) Head Gasket</b>          , Y129002-01331  <b>3) Liquid Gasket</b>          , Y977770-1207F  <b>4) Rocker Cover Gsk</b>          , Y129150-11310</p>	 <p><b>1) Bushing, Con Rod</b>          , Y129100-23910 <i>x3</i>  <b>2) Bolt, Con Rod</b>          , Y121550-23200 <i>x6</i>  <b>3) Bushing, Cam</b>          , Y129795-02412 <i>x1</i>  <b>4) Connecting Rod</b>          , Y729402-23100  <b>5) Bolt, Cylinder Head</b>          , Y129150-01200</p>	 <p><b>1) Tappet</b>          , Y129150-14200 <i>x6</i>  <b>2) Camshaft</b>          , Y129129-14580  <b>3) Push Rod</b>          , Y129150-14400 <i>x6</i></p>	
<p><b>Valve, Intake</b>          , Y129100-11100 <i>x3</i></p>	<p><b>Valve, Exhaust</b>          , Y129100-11130 <i>x3</i></p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y120130-11860 <i>x3</i>  <b>2) Exhaust</b>          , Y129150-11810 <i>x3</i></p>	<p><b>1) Lock, Valve</b>          , Y27310-080001 <i>x12</i>  <b>2) Stem, Seal Intake</b>          , Y124460-11340 <i>x3</i>  <b>3) Stem, Seal Exhaust</b>          , Y121400-11340 <i>x3</i></p>	<p><b>1) Spring, Valve</b>          , Y129795-11120 <i>x6</i>  <b>2) Cap, Valve</b>          , Y129150-11370</p>
 <p><b>1) Thermostat</b>          , Y129155-49801  <b>2) Injector</b>          , Y729503-53100</p>	 <p><b>1) Oil Pump</b>          , Y129001-32001  <b>2) Solenoid, Fuel Stop</b>          , Y119653-77950</p>	 <p><b>Lift Pump</b>          , Y129100-52101-Z</p>	 <p><b>Water Pump</b>          , 1) Y129001-42004          , 2) Y129100-42004          , 3) Y129263-42000          , 4) Y129508-42001  <b>Water Pump Gasket</b>          , Y129486-42021</p>	 <p><b>Repair Sleeve</b>          , 84RS</p>

(1): Check your application for proper usage.  
 (3): Gear not included.  
 (5): MLS – 2 Notches

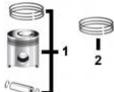
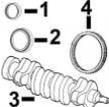
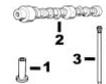
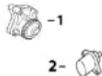
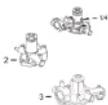
(2): Like Y129001-42004, with Inject Pump cooling connections.  
 (4): Includes Y129002-01331 MLS Head Gasket – 2 Notches

**Engine Model:**  
4TNE84

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.30 in / 84.00 mm Stroke: 3.54 in / 90.00 mm

Please see page 607 for a complete list of equipment models.

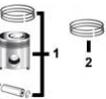
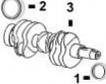
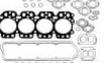
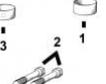
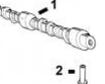
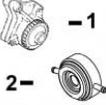
 <p><b>Engine O/H Kit</b>          , YOK4TNE84D          , YOK4TNE84D/25          , SPEC SHEET - YOK4TNE84D</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y129002-22090 Std.          , Y129002-22910 0.25  <b>Use 4</b>  <b>2) Ring Set</b>          , Y129002-22510 Std.          , Y129002-22960 0.25</p>	 <p><b>Main Bearing</b>          , Y129001-02931 Std.          , Y129150-02871 0.25  <b>Use 5 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y129150-23601 Std.          , Y129150-23611 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y129795-01800  <b>2) Rear Seal</b>          , Y129795-01780  <b>3) Crankshaft</b>          , Y129407-21000  <b>4) Flywheel Ring Gear</b>          , Y124550-21600 127T</p>	 <p><b>1) O/H Gasket Set</b>          , YMGS4TNE84  <b>2) Head Gasket</b>          , Y129408-01330  <b>3) Liquid Gasket</b>          , Y977770-1207F  <b>4) Rocker Cover Gsk</b>          , Y129550-11310</p>	 <p><b>1) Bushing, Con Rod</b>          , Y129100-23910 x4  <b>2) Bolt, Con Rod</b>          , Y121550-23200 x8  <b>3) Bushing, Cam</b>          , Y129795-02412 x1  <b>4) Connecting Rod</b>          , Y729402-23100  <b>5) Bolt, Cylinder Head</b>          , Y129150-01200</p>	 <p><b>1) Tappet</b>          , Y129150-14200 x8  <b>2) Camshaft</b>          , Y729402-14580  <b>3) Push Rod</b>          , Y129150-14400 x8</p>	
<p><b>Valve, Intake</b>          , Y129100-11110 x4</p>	<p><b>Valve, Exhaust</b>          , Y129100-11130 x4</p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y120130-11860 x4  <b>2) Exhaust</b>          , Y129150-11810 x4</p>	<p><b>1) Lock, Valve</b>          , Y27310-080001 x16  <b>2) Stem, Seal Int</b>          , Y124460-11340 x4  <b>3) Stem, Seal Exh</b>          , Y121400-11340 x4</p>	<p><b>1) Spring, Valve</b>          , Y129795-11120 x8  <b>2) Cap, Valve</b>          , Y129150-11370</p>
 <p><b>1) Thermostat</b>          , Y129155-49801  <b>2) Injector</b>          , Y729503-53100</p>	 <p><b>1) Oil Pump</b>          , Y129001-32001  <b>2) Solenoid, Fuel Stop</b>          , Y119653-77950</p>	 <p><b>Lift Pump</b>          , Y129100-52101-Z</p>	 <p><b>Water Pump</b>          , 1) Y129001-42004          , 2) Y129100-42004          , 3) Y129263-42000          , 4) Y129508-42001  <b>Water Pump Gasket</b>          , Y129486-42021</p>	 <p><b>Repair Sleeve</b>          , 84RS</p>

(1): Check your application for proper usage.

(2): Like Y129001-42004, with Inject Pump cooling connections.

(3): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88.

Do not use in applications that require a crankshaft driven balancer unit.

<p><b>Engine Model:</b> TK486</p> <p><b>Engine Desc:</b> Thermo King</p> <p><b>Engine Info:</b> 4 Cyl</p> <p><b>Engine Dimensions:</b> Bore: 3.38 in / 86.00 mm Stroke: 3.54 in / 90.00 mm</p>	 <p><b>Engine O/H Kit</b></p> <ul style="list-style-type: none"> <li>YOKTK486</li> <li>YOKTK486/25</li> <li>YOKTK486/50</li> <li>SPEC SHEET - YOKTK486</li> </ul>	 <p><b>1) Piston &amp; Ring Kit</b></p> <ul style="list-style-type: none"> <li>Y11-8948 Std.</li> <li>Y11-8955 0.25</li> <li>Y11-8958 0.50</li> </ul> <p><b>Use 4</b></p> <p><b>2) Ring Set</b></p> <ul style="list-style-type: none"> <li>Y13-355 Std.</li> <li>Y13-461 0.25</li> <li>Y13-455 0.50</li> </ul>	 <p><b>Main Bearing</b></p> <ul style="list-style-type: none"> <li>Y129001-02931 Std.</li> <li>(13-920)</li> <li>Y129150-02871 0.25</li> <li>(13-921)</li> </ul> <p><b>Use 5 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b></p> <ul style="list-style-type: none"> <li>Y129150-23601 Std.</li> <li>(13-924)</li> <li>Y129150-23611 0.25</li> <li>(13-925)</li> </ul> <p><b>Use 4 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b></p> <ul style="list-style-type: none"> <li>Y129150-02931</li> <li>(13-927)</li> </ul> <p><b>Set of 4</b></p>
<p><b>Thermo-King</b></p> <p>SB-110 SB-190 SB-200 SB-210 SB-300 SB-310 SB-430</p>	 <p><b>1) Front Seal</b></p> <ul style="list-style-type: none"> <li>Y129795-01800</li> <li>(33-4088)</li> </ul> <p><b>2) Rear Seal</b></p> <ul style="list-style-type: none"> <li>Y129795-01780</li> <li>Y33-2974</li> </ul> <p><b>3) Crankshaft</b></p> <ul style="list-style-type: none"> <li>Y129407-21000</li> <li>(13-351)</li> </ul>	 <p><b>1) O/H Gasket Set</b></p> <ul style="list-style-type: none"> <li>YMGS4TNE88</li> </ul> <p><b>2) Head Gasket</b></p> <ul style="list-style-type: none"> <li>Y129407-01340</li> <li>(33-4122)</li> </ul> <p><b>3) Liquid Gasket</b></p> <ul style="list-style-type: none"> <li>Y977770-1207F</li> </ul> <p><b>4) Rocker Cover Gsk</b></p> <ul style="list-style-type: none"> <li>Y129160-11310</li> <li>(13-340)</li> </ul>	 <p><b>1) Bush, Con Rod</b></p> <ul style="list-style-type: none"> <li>Y129100-23910 x4</li> <li>(11-8953)</li> </ul> <p><b>2) Bolt, Con Rod</b></p> <ul style="list-style-type: none"> <li>Y121550-23200 x8</li> </ul> <p><b>3) Bushing, Cam</b></p> <ul style="list-style-type: none"> <li>Y129795-02412 x1</li> <li>(13-926)</li> </ul>	 <p><b>1) Tappet</b></p> <ul style="list-style-type: none"> <li>Y129150-14200 x8</li> <li>(11-6717)</li> </ul> <p><b>2) Camshaft</b></p> <ul style="list-style-type: none"> <li>Y729402-14580</li> <li>(11-9261)</li> </ul>	
<p><b>Valve, Intake</b></p> <ul style="list-style-type: none"> <li>Y129100-11100 x4</li> <li>(11-8930)</li> </ul>	<p><b>Valve, Exhaust</b></p> <ul style="list-style-type: none"> <li>Y129100-11130 x4</li> <li>(13-659)</li> </ul>	<p><b>Guide, Valve</b></p> <p><b>1) Intake</b></p> <ul style="list-style-type: none"> <li>Y120130-11860 x4</li> <li>(11-8928)</li> </ul> <p><b>2) Exhaust</b></p> <ul style="list-style-type: none"> <li>Y129150-11810 x4</li> <li>(11-8929)</li> </ul>	<p><b>1) Stem, Seal Int</b></p> <ul style="list-style-type: none"> <li>Y124460-11340 x4</li> <li>(11-8935)</li> </ul> <p><b>2) Stem, Seal Exh</b></p> <ul style="list-style-type: none"> <li>Y121400-11340 x4</li> <li>(11-8934)</li> </ul>	<p><b>Spring, Valve</b></p> <ul style="list-style-type: none"> <li>Y129795-11120 x8</li> <li>(11-8932)</li> </ul>	
 <p><b>1) Thermostat</b></p> <ul style="list-style-type: none"> <li>Y129155-49801</li> <li>(13-385)</li> </ul> <p><b>2) Injector</b></p> <ul style="list-style-type: none"> <li>Y729503-53100</li> <li>(11-8715)</li> </ul>	 <p><b>1) Oil Pump</b></p> <ul style="list-style-type: none"> <li>Y129001-32001</li> <li>(11-9249)</li> </ul> <p><b>2) Oil Cooler</b></p> <ul style="list-style-type: none"> <li>Y129508-33030</li> </ul>	 <p><b>Water Pump High Mount</b></p> <ul style="list-style-type: none"> <li>Y129263-42000</li> <li>(11-9451)</li> </ul>	 <p><b>Water Pump Low Mount</b></p> <ul style="list-style-type: none"> <li>Y129001-42004</li> <li>(13-509)</li> </ul>	 <p><b>Repair Sleeve</b></p> <ul style="list-style-type: none"> <li>86RS</li> </ul>	

(1): For engines with serial before K00251.

(2): Engines with serial numbers K00251 and after.

(3): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. Do not use in applications that require a crankshaft driven balancer unit.

(4): O/H Gasket does not include Rear Seal Y33-2974. Please order separately.

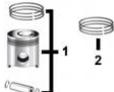
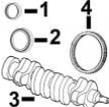
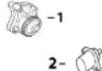
(5): Check application for proper usage.

**Engine Model:**  
3TNE88

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.46 in / 88.00 mm

Please see page **608** for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK3TNE88          , YOK3TNE88/25          , SPEC SHEET - YOK3TNE88</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y129001-22081 Std.          , Y129001-22901 0.25  <b>Use 3</b>  <b>2) Ring Set</b>          , Y129001-22500 Std.          , Y129001-22950 0.25</p>	 <p><b>Main Bearing</b>          , Y129001-02931 Std.          , Y129150-02871 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y129150-23601 Std.          , Y129150-23611 0.25  <b>Use 3 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y129795-01800  <b>2) Rear Seal</b>          , Y129795-01780  <b>3) Crankshaft</b>          , Y129001-21100  <b>4) Flywheel Ring Gear</b>          , Y124550-21600 127T</p>	 <p><b>1) O/H Gasket Set</b>          , YMGS3TNE88  <b>2) Head Gasket</b>          , Y129001-01340  <b>3) Liquid Gasket</b>          , Y977770-1207F  <b>4) Rocker Cover Gsk</b>          , Y129150-11310</p>	 <p><b>1) Bush, Con Rod</b>          , Y129100-23910 x3  <b>2) Bolt, Con Rod</b>          , Y121550-23200 x6  <b>3) Bushing, Cam</b>          , Y129795-02412 x1  <b>4) Connecting Rod</b>          , Y729402-23100  <b>5) Bolt, Cylinder Head</b>          , Y129150-01200 x14</p>	 <p><b>1) Tappet</b>          , Y129150-14200 x6  <b>2) Camshaft</b>          , Y129129-14580  <b>3) Push Rod</b>          , Y129150-14400 x6</p>	
<p><b>Valve, Intake</b>          , Y129100-11100 x3</p>	<p><b>Valve, Exhaust</b>          , Y129100-11130 x3</p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y120130-11860 x3  <b>2) Exhaust</b>          , Y129150-11810 x3</p>	<p><b>1) Stem, Seal Int</b>          , Y124460-11340 x3  <b>2) Stem, Seal Exh</b>          , Y121400-11340 x3</p>	<p><b>1) Spring, Valve</b>          , Y129795-11120 x6  <b>2) Cap, Valve</b>          , Y129150-11370</p>
 <p><b>1) Thermostat</b>          , Y129155-49801  <b>2) Injector</b>          , Y729503-53100</p>	 <p><b>1) Oil Pump</b>          , Y129001-32001  <b>2) Solenoid, Fuel Stop</b>          , Y119653-77950</p>	 <p><b>Lift Pump</b>          , Y129100-52101-Z</p>	 <p><b>Water Pump</b>          , 1) Y129001-42004          , 2) Y129100-42004          , 3) Y129263-42000          , 4) Y129508-42001  <b>Water Pump Gasket</b>          , Y129486-42021</p>	 <p><b>Repair Sleeve</b>          , 88RS</p>

(1): Gear not included.

(2): Check your application for proper usage.

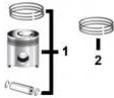
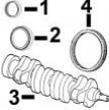
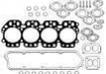
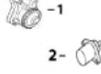
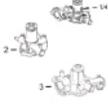
(3): Like Y129001-42004, with Inject Pump cooling connections.

**Engine Model:**  
4TNE88

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.46 in / 88.00 mm

Please see page 609 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK4TNE88          , YOK4TNE88/25          , SPEC SHEET - YOK4TNE88</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y129001-22081 Std.          , Y129001-22901 0.25  <b>Use 4</b>  <b>2) Ring Set</b>          , Y129001-22500 Std.          , Y129001-22950 0.25</p>	 <p><b>Main Bearing</b>          , Y129001-02931 Std.          , Y129150-02871 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y129150-23601 Std.          , Y129150-23611 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y129795-01800  <b>2) Rear Seal</b>          , Y129795-01780  <b>3) Crankshaft</b>          , Y129407-21000  <b>4) Flywheel Ring Gear</b>          , Y124550-21600 127T</p>	 <p><b>1) O/H Gasket Set</b>          , YMGS4TNE88  <b>2) Head Gasket</b>          , Y129407-01340  <b>3) Liquid Gasket</b>          , Y977770-1207F  <b>4) Rocker Cover Gsk</b>          , Y129550-11310</p>	 <p><b>1) Bush, Con Rod</b>          , Y129100-23910 x4  <b>2) Bolt, Con Rod</b>          , Y121550-23200 x8  <b>3) Bushing, Cam</b>          , Y129795-02412 x1  <b>4) Connecting Rod</b>          , Y729402-23100  <b>5) Bolt, Cylinder Head</b>          , Y129150-01200</p>	 <p><b>1) Tappet</b>          , Y129150-14200 x8  <b>2) Camshaft</b>          , Y729402-14580  <b>3) Push Rod</b>          , Y129150-14400 x8</p>	
<p><b>Valve, Intake</b>          , Y129100-111100 x4</p>	<p><b>Valve, Exhaust</b>          , Y129100-111130 x4</p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y120130-11860 x4  <b>2) Exhaust</b>          , Y129150-11810 x4</p>	<p><b>1) Stem, Seal Int</b>          , Y124460-11340 x4  <b>2) Stem, Seal Exh</b>          , Y121400-11340 x4</p>	<p><b>1) Spring, Valve</b>          , Y129795-11120 x8  <b>2) Cap, Valve</b>          , Y129150-11370</p>
 <p><b>1) Thermostat</b>          , Y129155-49801  <b>2) Injector</b>          , Y729503-53100</p>	 <p><b>1) Oil Pump</b>          , Y129001-32001  <b>2) Solenoid, Fuel Stop</b>          , Y119653-77950</p>	 <p><b>Lift Pump</b>          , Y129100-52101-Z</p>	 <p><b>Water Pump</b>          , 1) Y129001-42004          , 2) Y129100-42004          , 3) Y129263-42000          , 4) Y129508-42001  <b>Water Pump Gasket</b>          , Y129486-42021</p>	 <p><b>Repair Sleeve</b>          , 88RS</p>

(1): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. (2): Like Y129001-42004, with Inject Pump cooling connections. Do not use in applications that require a crankshaft driven balancer unit.  
 (3): Check application for proper usage.

**Engine Model:**  
4TNE92

**Engine Data:**  
INDIRECT INJECTION

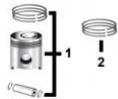
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.62 in / 92.00 mm Stroke: 3.937 in / 100 mm

Please see page 610 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNE92  
 , YOK4TNE92/25  
 , SPEC SHEET - YOK4TNE92



**1) Piston & Ring Kit**  
 , Y129904-22120 Std.  
 , Y129904-22940 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129904-22050 Std.  
 , Y129904-22950 0.25



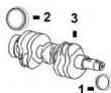
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



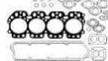
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



**Thrust Washers**  
 , Y129900-02931 Std.  
 , SET OF 4



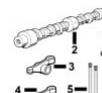
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**  
 , Y129900-21000



**1) O/H Gasket Set**  
 , Y729901-92710  
**2) Head Gasket**  
 , Y729901-01350  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129900-11310  
**5) Gasket, Manifold to Muffler**  
 , Y129400-13201  
**6) Gasket, Air Heater**  
 , Y121850-77021



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y129900-14580  
**3) Rocker Arm Intake**  
 , Y129900-11650  
**4) Rocker Arm Exhaust**  
 , Y129900-11660  
**5) Push Rod**

**Valve, Intake**  
 , Y129900-11100 x4

**Valve, Exhaust**  
 , Y129900-11110 x4

**Guide, Valve**  
 , Y129150-11810 x8

**1) Lock, Valve**  
 , Y27310-080001 x16  
**2) Stem, Seal Int**  
 , Y124460-11340 x4  
**3) Stem, Seal Exh**  
 , Y121400-11340 x4

**1) Spring, Valve**  
 , Y129900-11120 x8  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811  
 , Y121850-49801



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y129612-52100



**Water Pump**  
 , Y129900-42002  
 , Y129900-42055

(1): Check your application for proper usage.  
 (3): Front and Rear crank seals are sold separately.

(2): Forklift applications

**Engine Model:**  
4TNE94

**Engine Data:**  
DIRECT INJECTION

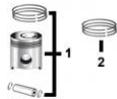
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.70 in / 94.00 mm Stroke: 3.937 in / 100 mm

Please see page 611 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNE94  
 , YOK4TNE94/25  
 , SPEC SHEET - YOK4TNE94



**1) Piston & Ring Kit**  
 , Y129900-22080 Std.  
 , Y129900-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129901-22050 Std.  
 , Y129901-22950 0.25



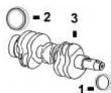
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



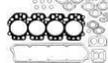
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



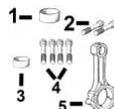
**Thrust Washers**  
 , Y129900-02931 Std.  
 , SET OF 4



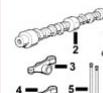
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**  
 , Y129900-21000



**1) O/H Gasket Set**  
 , YMGS4TNE94  
**2) Head Gasket**  
 , Y129900-01331  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129900-11310  
**5) Gasket, Manifold to Muffler**  
 , Y129400-13201  
**6) Gasket, Air Heater**  
 , Y121850-77021



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y129900-14580  
**3) Rocker Arm Intake**  
 , Y129900-11650  
**4) Rocker Arm Exhaust**  
 , Y129900-11660  
**5) Push Rod**

**Valve, Intake**  
 , Y129900-11100 x4

**Valve, Exhaust**  
 , Y129900-11110 x4

**Guide, Valve**  
 , Y129150-11810 x8

**1) Lock, Valve**  
 , Y27310-080001 x16  
**2) Stem, Seal Int**  
 , Y124460-11340 x4  
**3) Stem, Seal Exh**  
 , Y121400-11340 x4

**1) Spring, Valve**  
 , Y129900-11120 x8  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811  
 , Y121850-49801



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y129612-52100



**Water Pump**  
 , Y129900-42002  
 , Y129900-42055



**Repair Sleeve**  
 , 94RS

(1): Check your application for proper usage.

(2): Forklift applications

**Engine Model:**  
4TNE98

**Engine Desc:**  
DIRECT INJECTION

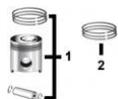
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 612 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNE98D  
 , YOK4TNE98D/25  
 , SPEC SHEET - YOK4TNE98D



**1) Piston & Ring Kit**  
 , Y129902-22080 Std.  
 , Y129902-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129903-22050 Std.  
 , Y129903-22950 0.25



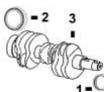
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



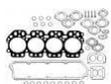
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



**Thrust Washers**  
 , Y129900-02931 Std.  
 , SET OF 4



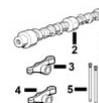
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**  
 , Y129902-21000



**1) O/H Gasket Set**  
 , YMGS4TNE98  
**2) Head Gasket**  
 , Y129902-01331  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129900-11310  
**5) Gasket, Manifold to Muffler**  
 , Y129400-13201  
**6) Gasket, Air Heater**  
 , Y121850-77021



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y129900-14580  
**3) Rocker Arm Intake**  
 , Y129900-11650  
**4) Rocker Arm Exhaust**  
 , Y129900-11660  
**5) Push Rod**

**Valve, Intake**  
 , Y129900-11100 x4

**Valve, Exhaust**  
 , Y129900-11110 x4

**Guide, Valve**  
 , Y129150-11810 x8

**1) Lock, Valve**  
 , Y27310-080001 x16  
**2) Stem, Seal Int**  
 , Y124460-11340 x4  
**3) Stem, Seal Exh**  
 , Y121400-11340 x4

**1) Spring, Valve**  
 , Y129900-11120 x8  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811  
 , Y121850-49801



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y129612-52100



**Water Pump**  
 , Y129900-42002



**Repair Sleeve**  
 , 98RS

(1): Check your application for proper usage.

(2): Head gasket is MLS material. Please check application for proper usage.

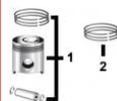
**Engine Model:** 4TNE98      **Engine Desc:** INDIRECT INJECTION      **Engine Info:** 4 Cyl      **Engine Dimensions:** Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Yanmar Engine Model	Komatsu Engine Model	Kohler	Mustang
4TNE98-BQCKS	4TNE98-BQDFC	4D98E-1AGD-F	4D98E-1G45-BM
4TNE98-HAF	4TNE98-HYF	4D98E-1GD-F	
4TNE98-NMH	4TNE98-BQCKM		



**Engine O/H Kit**

- YOK4TNE98-IND
- YOK4TNE98/25-IND
- SPEC SHEET - YOK4TNE98-IND



**1) Piston & Ring Kit**

- Y129903-22081 Std.
- Y129903-22901 0.25

**Use 4**

**2) Ring Set**

- Y129903-22050 Std.
- Y129903-22950 0.25



**Main Bearing**

- Y729900-02801 Std.
- Y129900-02341 0.25

**Set of 5 Pairs**



**Con Rod Bearing**

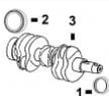
- Y129900-23601 Std.
- Y129900-23611 0.25

**Set of 4 Pairs**



**Thrust Washers**

- Y129900-02931 Std.
- SET OF 4



**1) Front Seal**

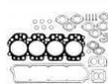
- Y129916-01800

**2) Rear Seal**

- Y129916-01790

**3) Crankshaft**

- Y129902-21000



**1) O/H Gasket Set**

- YMGS4TNE98-IND

**2) Head Gasket**

- Y729903-01350

**3) Liquid Gasket**

- Y977770-1207F

**4) Rocker Cover Gsk**

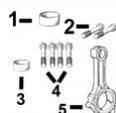
- Y129900-11310

**5) Gasket, Manifold to Muffler**

- Y129400-13201

**6) Gasket, Air Heater**

- Y121850-77021



**1) Bush, Con Rod**

- Y129900-23911

**2) Bolt, Con Rod**

- Y129900-23200 x8

**3) Bushing, Cam**

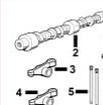
- Y129900-02410

**4) Bolt, Cyl Head**

- Y129900-01200 x18

**5) Connecting Rod**

- Y129900-23001



**1) Tappet**

- Y129150-14200 x8

**2) Camshaft**

- Y129900-14580

**3) Rocker Arm Intake**

- Y129900-11650

**4) Rocker Arm Exhaust**

- Y129900-11660

**5) Push Rod**

**Valve, Intake**

- Y129900-11100 x4

**Valve, Exhaust**

- Y129900-11110 x4

**Guide, Valve**

- Y129150-11810 x8

**1) Lock, Valve**

- Y27310-080001 x16

**2) Stem, Seal Int**

- Y124460-11340 x4

**3) Stem, Seal Exh**

- Y121400-11340 x4

**1) Spring, Valve**

- Y129900-11120 x8

**2) Cap, Valve**

- Y129150-11370



**Thermostat**

- Y121850-49811 (1)
- Y121850-49801 (1)



**Oil Pump**

- Y129900-32001



**Electric Fuel Pump**

- Y129612-52100



**Water Pump**

- Y129900-42002 (1)
- Y129900-42055 (1)



**Repair Sleeve**

- 98RS



**Glow Plug**

- Y129155-77800

(1): Check your application for proper usage.

(2): Head gasket is composite material. Please check application for proper usage.

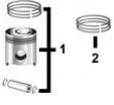
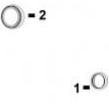
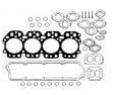
**Engine Model:**  
4TNE106D

**Engine Desc:**  
TIER 1

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 4.17 in / 106.00 mm

Please see page 613 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK4TNE106          , YOK4TNE106/25          , SPEC SHEET - YOK4TNE106</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y123900-22080 Std.          , Y123900-22900 0.25  <b>Use 4</b>  <b>2) Ring Set</b>          , Y123900-22050 Std.          , Y123900-22950 0.25</p>	 <p><b>Main Bearing</b>          , Y723900-02800 Std.          , Y123900-02340 0.25  <b>Set of 5 Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y123900-23600 Std.          , Y123900-23610 0.25  <b>Set of 4 Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y123900-02930  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y123900-01780  <b>2) Rear Seal</b>          , Y123672-01782</p>	 <p><b>1) O/H Gasket Set</b>          , Y723900-92630  <b>2) Head Gasket</b>          , Y123900-01340  <b>3) Rocker Cover Gasket</b>          , Y123900-11310</p>	 <p><b>1) Bush, Con Rod</b>          , Y123900-23910 x4  <b>2) Bolt, Con Rod</b>          , Y123900-23200 x8  <b>3) Bushing, Cam</b>          , Y123900-02410 x1  <b>4) Connecting Rod</b>          , Y123900-23000  <b>5) Bolt, Cylinder Head</b>          , Y119174-01200</p>		
<p><b>Valve, Intake</b>          , Y123900-11110 x4</p>	<p><b>Valve, Exhaust</b>          , Y123900-11110 x4</p>	<p><b>Guide, Valve</b>          , Y119000-11810 x8</p>	<p><b>1) Lock, Valve</b>          , Y27310-090000 x16  <b>2) Stem, Seal Int</b>          , Y121850-11150 x8</p>	<p><b>Spring, Valve</b>          , Y123900-11120 x8</p>
 <p><b>Thermostat</b>          , Y124610-48620</p>	 <p><b>Oil Pump</b>          , Y123900-32001</p>	 <p><b>Water Pump</b>          , Y123900-42101</p>	 <p><b>Repair Sleeve</b>          , 106RS</p>	

**Engine Model:**  
4TNE106T

**Engine Desc:**  
TIER 1

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 4.17 in / 106.00 mm

**Yanmar Engine Models**  
4TNE106T-  
G1A  
4TNE106T-  
NS  
4TNE106T-  
TBL

**Komatsu Engine Models**  
4D106T 4D106-1FA

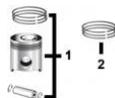
**Komatsu**  
PC110R-1 PW110R-1  
WB150PS- WB150WSC-  
2 2  
WB93R-2 WB97R-2  
WB97S-2 WB98A-2

**Gehl**  
7800 - Skid Steer  
SL7800 - Skid Steer

**Takeuchi**  
TL150



**Engine O/H Kit**  
• YOK4TNE106T  
• YOK4TNE106T/25  
• SPEC SHEET - YOK4TNE106T



**1) Piston & Ring Kit**  
• Y123901-22080 Std.  
• Y123901-22900 0.25  
**Use 4**  
**2) Ring Set**  
• Y123900-22050 Std.  
• Y123900-22950 0.25



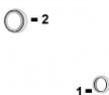
**Main Bearing**  
• Y723900-02800 Std.  
• Y123900-02340 0.25  
**Set of 5 Pairs**



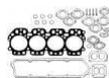
**Con Rod Bearing**  
• Y123900-23600 Std.  
• Y123900-23610 0.25  
**Set of 4 Pairs**



**Thrust Washers**  
• Y123900-02930  
**Set of 4**



**1) Front Seal**  
• Y123900-01780  
**2) Rear Seal**  
• Y123672-01782



**1) O/H Gasket Set**  
• Y723900-92630  
**2) Head Gasket**  
• Y123900-01340  
**3) Rocker Cover Gasket**  
• Y123900-11310  
**4) Turbo Mounting Gasket**  
• Y123901-18090  
**5) Turbo Exhaust Gasket**  
• Y123901-18080



**1) Bush, Con Rod**  
• Y123900-23910 x4  
**2) Bolt, Con Rod**  
• Y123900-23200 x8  
**3) Bushing, Cam**  
• Y123900-02410 x1  
**4) Connecting Rod**  
• Y123900-23000  
**5) Bolt, Cylinder Head**  
• Y119174-01200

**Valve, Intake**  
• Y123900-11100 x4

**Valve, Exhaust**  
• Y123900-11110 x4

**Guide, Valve**  
• Y119000-11810 x8

**1) Lock, Valve**  
• Y27310-090000 x16  
**2) Stem, Seal Int**  
• Y121850-11150 x8

**Spring, Valve**  
• Y123900-11120 x8



**Thermostat**  
• Y124610-48620



**Oil Pump**  
• Y123900-32001



**Water Pump**  
• Y123900-42000  
• Y123900-42101



**Repair Sleeve**  
• 106RS

**Engine Model:**  
3TNV70

**Engine Data:**  
Indirect  
Injection  
Non-Turbo

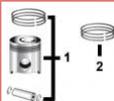
**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 2.755 in /  
70.00 mm  
Stroke: 2.913 in  
/ 74.00 mm

Please see page 614 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK3TNV70  
 , YOK3TNV70/25  
 , SPEC SHEET -  
 YOK3TNV70



**1) Piston & Ring Kit**  
 , Y119515-22080 Std.  
 , Y119515-22900 0.25 **1**  
**Use 3**  
**2) Ring Set**  
 , Y119515-22500 Std.  
 , Y119515-22550 0.25 **1**



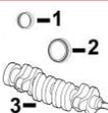
**Main Bearing**  
 , Y719717-02901 Std.  
 , Y719717-02911 0.25  
**Sold as set**



**Con Rod Bearing**  
 , Y119515-23601 Std.  
 , Y119515-23611 0.25  
**Sold as set**



**Thrust Washers**  
 , Y119717-02930 std.  
**Set of 4**



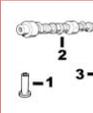
**1) Front Seal**  
 , Y119717-01800  
**2) Rear Seal**  
 , Y124085-02220  
**3) Crankshaft**  
 , Y119515-21700



**1) O/H Gasket Set**  
 , Y719515-92620  
**2) Head Gasket**  
 , Y119515-01330  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y119515-11310



**1) Bush, Con Rod**  
 , Y119717-23911 x3  
**2) Bolt, Con Rod**  
 , Y119717-23200 x6  
**3) Bushing, Cam**  
 , Y119717-02411 x1  
**4) Connecting Rod**  
 , Y119515-23000 x3  
**5) Bolt, Head**  
 , Y119515-01200 x14



**1) Tappet**  
 , Y119620-14200 x6  
**2) Camshaft**  
 , Y119515-14581  
**3) Push Rod**  
 , Y119515-14400 x6

**Valve, Intake**  
 , Y119515-11101 x3

**Valve, Exhaust**  
 , Y119515-11110 x3

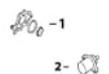
**Guide, Valve**

**1) Stem, Seal Intake**  
 , Y119717-11340 x3  
**2) Stem, Seal Exhaust**  
 , Y119717-11350 x3

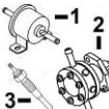
**1) Spring, Valve**  
 , Y119717-11131 x6  
**2) Cap, Valve**  
 , Y105010-11490 x6  
**3) Lock, Valve**  
 , Y119717-11190 x12



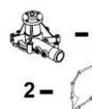
**1) Thermostat**  
 , Y119717-49800  
**2) Injector**  
 , Y119515-53001



**1) Oil Pump**  
 , Y119717-32120SET  
**2) Solenoid, Fuel Stop**  
 , Y119653-77950



**1) Electric Fuel Lift Pump**  
 , Y119225-52102 **3**  
 , Y129612-52100 **3**  
**2) Mechanical Fuel Lift Pump**  
 , Y129100-52101 **3**  
 , Y129158-52101 **3**  
**3) Glow Plug**  
 , Y119717-77800



**Water Pump**  
 , 1) Y119540-42000  
**2) Water Pump Gasket**  
 , Y119515-42020



**Repair Sleeve**  
 , 70RS x3

(1): In Development

(2): Gear not included.

(3): Check your application for proper usage.

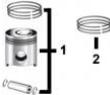
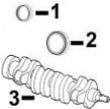
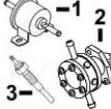
**Engine Model:**  
3TNV76

**Engine Data:**  
Indirect Injection  
Non-Turbo

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 2.992 in / 76.00 mm Stroke: 3.228 in / 82.00 mm

Please see page 615 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                  , YOK3TNV76                  , YOK3TNV76/25                  , SPEC SHEET - YOK3TNV76</p>	 <p><b>1) Piston &amp; Ring Kit</b>                  , Y119717-22080 Std.                  , Y119717-22090 0.25 <b>1</b></p> <p><b>Use 3</b></p> <p><b>2) Ring Set</b>                  , Y119717-22500 Std.                  , Y119717-22550 0.25 <b>1</b></p>	 <p><b>Main Bearing</b>                  , Y719717-02901 Std.                  , Y719717-02911 0.25</p> <p><b>Sold as set</b></p>	 <p><b>Con Rod Bearing</b>                  , Y119717-23601 Std.                  , Y119717-23611 0.25</p> <p><b>Sold as set</b></p>	 <p><b>Thrust Washers</b>                  , Y119717-02930 std.</p> <p><b>Set of 4</b></p>
 <p><b>1) Front Seal</b>                  , Y119717-01800</p> <p><b>2) Rear Seal</b>                  , Y124085-02220</p> <p><b>3) Crankshaft</b>                  , Y119717-21700</p>	 <p><b>1) O/H Gasket Set</b>                  , Y719717-92850</p> <p><b>2) Head Gasket</b>                  , Y119717-01330</p> <p><b>3) Liquid Gasket</b>                  , Y977770-1207F</p> <p><b>4) Rocker Cover Gsk</b>                  , Y119717-32080</p>	 <p><b>1) Bush, Con Rod</b>                  , Y119717-23911 x3</p> <p><b>2) Bolt, Con Rod</b>                  , Y119717-23200 x6</p> <p><b>3) Bushing, Cam</b>                  , Y119717-02411 x1</p> <p><b>4) Connecting Rod</b>                  , Y119717-23000 x3</p> <p><b>5) Bolt, Head</b>                  , Y119810-01200 x14</p>	 <p><b>1) Tappet</b>                  , Y119620-14200 x6</p> <p><b>2) Camshaft</b>                  , Y119717-14581</p> <p><b>3) Push Rod</b>                  , Y119717-14400 x6</p>	
<p><b>Valve, Intake</b>                  , Y119717-11101 x3</p>	<p><b>Valve, Exhaust</b>                  , Y119717-11110 x3</p>	<p><b>Guide, Valve</b></p>	<p><b>1) Stem, Seal Intake</b>                  , Y119717-11340 x3</p> <p><b>2) Stem, Seal Exhaust</b>                  , Y119717-11350 x3</p>	<p><b>1) Spring, Valve</b>                  , Y119717-11131 x6</p> <p><b>2) Cap, Valve</b>                  , Y105010-11490 x6</p> <p><b>3) Lock, Valve</b>                  , Y119717-11190 x12</p>
 <p><b>1) Thermostat</b>                  , Y119717-49800</p> <p><b>2) Injector</b>                  , Y119717-53001</p>	 <p><b>1) Oil Pump</b>                  , Y119717-32120SET</p> <p><b>2) Solenoid, Fuel Stop</b>                  , Y119653-77950 <b>3</b></p>	 <p><b>1) Electric Fuel Lift pump</b>                  , Y119225-52102 <b>3</b></p> <p><b>2) Mechanical Fuel Lift pump</b>                  , Y129100-52101 <b>3</b></p> <p><b>3) Glow Plug</b>                  , Y119717-77800</p>	 <p><b>Water Pump</b>                  , 1) Y119717-42002</p> <p><b>2) Water Pump Gasket</b>                  , Y119717-42020</p>	 <p><b>Repair Sleeve</b>                  , 76RS x3</p>

(1): In Development

(2): Gear not included.

(3): Check your application for proper usage.

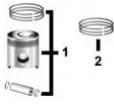
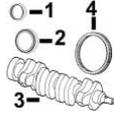
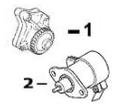
**Engine Model:**  
3TNV82A

**Engine Data:**  
Direct Injection  
Non-Turbo

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.22 in / 82.00 mm Stroke: 3.30 in / 84.00 mm

Please see page 616 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                  , YOK3TNV82A                  , YOK3TNV82A/25                  , SPEC SHEET - YOK3TNV82A</p>	 <p><b>1) Piston &amp; Ring Kit</b>                  , Y119802-22080 Std.                  , Y119802-22900 0.25  <b>Use 3</b>  <b>2) Ring Set</b>                  , Y119802-22500 Std.                  , Y119802-22950 0.25</p>	 <p><b>Main Bearing</b>                  , Y119810-02800 Std.                  , Y119810-02870 0.25  <b>Use 1 Sold by SET</b></p>	 <p><b>Con Rod Bearing</b>                  , Y119810-23600 Std.                  , Y119810-23610 0.25  <b>Use 1 Sold by Set</b></p>	 <p><b>Thrust Washers</b>                  , Y119717-02930  <b>Use 1 Sold as Set</b></p>
 <p><b>1) Front Seal</b>                  , Y129795-01800 55x72x9mm <b>1</b>  <b>2) Rear Seal</b>                  , Y129795-01780  <b>3) Crankshaft</b>                  , Y119802-21002 <b>2</b>  <b>4) Flywheel Ring Gear</b>                  , Y119865-21600 <b>1</b></p>	 <p><b>1) O/H Gasket Set</b>                  , Y719823-92780 <b>1</b>  <b>2) Head Gasket</b>                  , Y119812-01330  <b>3) Liquid Gasket</b>                  , Y977770-1207F <b>2</b>  <b>1</b></p>	 <p><b>1) Bushing, Con Rod</b>                  , Y119810-23910 x3  <b>2) Bolt, Con Rod</b>                  , Y119810-23200 x6  <b>3) Bushing, Cam</b>                  , Y129795-02412 x1  <b>5) Bolt, Cylinder Head</b>                  , Y119810-01200</p>	 <p><b>1) Tappet</b>                  , Y129150-14200 x6  <b>2) Camshaft</b>                  , Y119802-14580 <b>3</b>  <b>3) Push Rod</b>                  , Y119810-14400 x6</p>	
<p><b>Valve, Intake</b>                  , Y119802-11100 x3</p>	<p><b>Valve, Exhaust</b>                  , Y119802-11110 x3</p>	<p><b>Guide, Valve Intake</b>                  , Y124060-11800 x3  <b>Guide, Valve Exhaust</b>                  , Y119802-11810 x3</p>	<p><b>Stem, Seal Intake</b>                  , Y124160-11340 x3  <b>Stem, Seal Exhaust</b>                  , Y124950-11340 x3</p>	<p><b>Spring, Valve</b>                  , 119810-11120 x6  <b>Lock, Valve</b>                  , Y127310-070001 x12</p>
 <p><b>1) Thermostat</b>                  , Y129155-49801</p>	 <p><b>1) Oil Pump</b>                  , Y119802-32100SET <b>1</b>  <b>2) Solenoid, Fuel Stop</b>                  , Y119233-77932 <b>1</b></p>	 <p><b>Lift Pump</b>                  , Y129100-52101-Z</p>	 <p><b>1) Water Pump</b>                  , Y119802-42000 <b>1</b>  <b>2) Water Pump Gasket</b>                  , Y129486-42050</p>	 <p><b>Repair Sleeve</b>                  , 82RS</p>

(1): Check your application for proper usage.

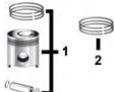
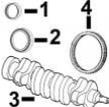
(2): Gear not included.

**Engine Model:**  
3TNV84

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.30 in / 84.00 mm

Please see page 617 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK3TNV84          , YOK3TNV84/25          , SPEC SHEET - YOK3TNV84</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y129004-22080 Std.          , Y129004-22900 0.25  <b>Use 3</b>  <b>2) Ring Set</b>          , Y129004-22500 Std.          , Y129004-22950 0.25</p>	 <p><b>Main Bearing</b>          , Y129001-02931 Std.          , Y129150-02871 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y129150-23601 Std.          , Y129150-23611 0.25  <b>Use 3 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y129795-01800  <b>2) Rear Seal</b>          , Y129795-01780  <b>3) Crankshaft</b>          , Y129001-21100  <b>4) Flywheel Ring Gear</b>          , Y124550-21600 127T</p>	 <p><b>1) O/H Gasket Set</b>          , YMGS3TNE84 (4)  <b>2) Head Gasket</b>          , Y129002-01331 (5)  <b>3) Liquid Gasket</b>          , Y977770-1207F  <b>4) Rocker Cover Gsk</b>          , Y129004-11310</p>	 <p><b>1) Bush, Con Rod</b>          , Y129100-23910 x3  <b>2) Bolt, Con Rod</b>          , Y121550-23200 x6  <b>3) Bushing, Cam</b>          , Y129795-02412 x1  <b>4) Connecting Rod</b>          , Y729402-23100  <b>5) Bolt, Cylinder Head</b>          , Y129150-01200</p>	 <p><b>1) Tappet</b>          , Y129150-14200 x6  <b>2) Camshaft</b>          , Y129129-14580 (1)  <b>3) Push Rod</b>          , Y129150-14400 x6</p>	
<p><b>Valve, Intake</b>          , Y129004-11130 x3</p>	<p><b>Valve, Exhaust</b>          , Y129100-11130 x3</p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y120130-11860 x3  <b>2) Exhaust</b>          , Y129150-11810 x3</p>	<p><b>1) Stem, Seal Int</b>          , Y124460-11340 x3  <b>2) Stem, Seal Exh</b>          , Y121400-11340 x3</p>	<p><b>1) Spring, Valve</b>          , Y129795-11120 x6  <b>2) Cap, Valve</b>          , Y129150-11370</p>
 <p><b>1) Thermostat</b>          , Y129155-49801  <b>2) Injector</b>          , Y729004-53101 (2)</p>	 <p><b>1) Oil Pump</b>          , Y129001-32001 (2)          , Y119802-32100SET (2)  <b>2) Oil Cooler</b>          , Y129508-33030 (2)</p>	 <p><b>Electric Fuel Pump</b>          , Y119225-52102          , Y129612-52100</p>	 <p><b>Water Pump</b>          , 1) Y129001-42004 (2)          , 2) Y129100-42004 (2)          , 3) Y129263-42000 (2)          , 4) Y129508-42001 (3)</p>	 <p><b>Repair Sleeve</b>          , 84RS</p>

(1): Gear not included.

(2): Check your application for proper usage.

(3): Like Y129001-42004, with Inject Pump cooling connections.

(4): Includes MLS Head Hasket Y129002-01331 – 2 Notches

(5): MLS – 2 Notches

**Engine Model:**  
4TNV84

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.30 in / 84.00 mm

**Yanmar Engine Models**

4TNV84-DMW  
4TNV84-KLAN  
4TNV84-KWA

**Hi-Power Genset Model**

4TNV84-GGE  
4TNV84-KVA  
4TNV84-LU2

**New Holland**

HYW-25 M6

**Landini**

T3020 - Tractor  
MISTRAL 2-045 - Tractor  
45 - Tractor

**Marine Pleasure**

4JH3 (\*)

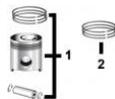
**Mustang**

2044 - Loader



**Engine O/H Kit**

• YOK4TNV84  
• YOK4TNV84/25  
• SPEC SHEET - YOK4TNV84



**1) Piston & Ring Kit**

• Y129004-22080 Std.  
• Y129004-22900 0.25

**Use 4**

**2) Ring Set**

• Y129004-22500 Std.  
• Y129004-22950 0.25



**Main Bearing**

• Y129001-02931 Std.  
• Y129150-02871 0.25

**Use 5 Sold by Pairs**



**Con Rod Bearing**

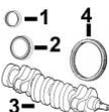
• Y129150-23601 Std.  
• Y129150-23611 0.25

**Use 4 Sold by Pairs**



**Thrust Washers**

• Y129150-02931  
**Set of 4**



**1) Front Seal**

• Y129795-01800

**2) Rear Seal**

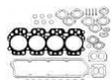
• Y129795-01780

**3) Crankshaft**

• Y129407-21000

**4) Flywheel Ring Gear**

• Y124550-21600 127T



**1) O/H Gasket Set**

• YMGS4TNE84

**2) Head Gasket**

• Y129408-01330

**3) Liquid Gasket**

**1**

• Y977770-1207F

**4) Rocker Cover Gsk**

**3**

• Y129601-11310



**1) Bush, Con Rod**

• Y129100-23910 x4

**2) Bolt, Con Rod**

• Y121550-23200 x8

**3) Bushing, Cam**

• Y129795-02412 x1

**4) Connecting Rod**

• Y729402-23100

**5) Bolt, Cylinder Head**

• Y129150-01200



**1) Tappet**

• Y129150-14200 x8

**2) Camshaft**

• Y729402-14580

**3) Push Rod**

• Y129150-14400

**Valve, Intake**

• Y129004-11130 x4

**Valve, Exhaust**

• Y129100-11130 x4

**Guide, Valve**

**1) Intake**

• Y120130-11860 x4

**2) Exhaust**

• Y129150-11810 x4

**1) Stem, Seal Int**

• Y124460-11340 x4

**2) Stem, Seal Exh**

• Y121400-11340 x4

**1) Spring, Valve**

• Y129795-11120 x8

**2) Cap, Valve**

• Y129150-11370



**1) Thermostat**

• Y129155-49801

**2) Injector**

• Y729004-53101



**1) Oil Pump**

• Y129001-32001 **3**

• Y119802-32100SET **3**

**2) Oil Cooler**

• Y129508-33030 **3**

**3) Solenoid, Fuel Stop**

• Y119653-77950 **3**



**Electric Fuel Pump**

• Y119225-52102

• Y129612-52100



**Water Pump**

• 1) Y129001-42004 **3**

• 2) Y129100-42004 **3**

• 3) Y129263-42000 **3**

• 4) Y129508-42001 **2**



**Repair Sleeve**

• 84RS

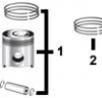
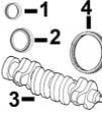
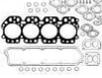
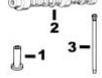
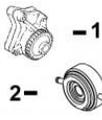
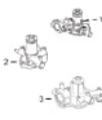
(1): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. (2): Like Y129001-42004, with Inject Pump cooling connections. Do not use in applications that require a crankshaft driven balancer unit.  
(3): Check application for proper usage.

**Engine Model:**  
4TNV84T

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.30 in / 84.00 mm

Please see page **618** for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                  , YOK4TNV84T                  , YOK4TNV84T/25                  , SPEC SHEET - YOK4TNV84T</p>	 <p><b>1) Piston &amp; Ring Kit</b>                  , Y129508-22080 Std.                  , Y129508-22900 0.25  <b>Use 4</b>  <b>2) Ring Set</b>                  , Y129004-22500 Std.                  , Y129004-22950 0.25</p>	 <p><b>Main Bearing</b>                  , Y129001-02931 Std.                  , Y129150-02871 0.25  <b>Use 5 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>                  , Y129150-23601 Std.                  , Y129150-23611 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>                  , Y129150-02931  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>                  , Y129795-01800  <b>2) Rear Seal</b>                  , Y129795-01780  <b>3) Crankshaft</b>                  , Y129407-21000  <b>4) Flywheel Ring Gear</b>                  , Y124550-21600 127T</p>	 <p><b>1) O/H Gasket Set</b>                  , YMGS4TNV84T  <b>2) Head Gasket</b>                  , Y129508-01330  <b>3) Liquid Gasket</b>                  , Y977770-1207F  <b>4) Rocker Cover Gsk</b>                  , Y129508-11310  <b>5) Intake Manifold Gasket</b>                  , Y129508-12110</p>	 <p><b>1) Bush, Con Rod</b>                  , Y129100-23910 x4  <b>2) Bolt, Con Rod</b>                  , Y121550-23200 x8  <b>3) Bushing, Cam</b>                  , Y129795-02412 x1  <b>4) Connecting Rod</b>                  , Y729402-23100  <b>5) Bolt, Cylinder Head</b>                  , Y129150-01200</p>	 <p><b>1) Tappet</b>                  , Y129150-14200 x8  <b>2) Camshaft</b>                  , Y729402-14580  <b>3) Push Rod</b>                  , Y129150-14400 x8</p>	
<p><b>Valve, Intake</b>                  , Y129508-11110 x8</p>	<p><b>Valve, Exhaust</b>                  , Y129508-11110 x8</p>	<p><b>Guide, Valve</b>                  , Y119717-11800 x16</p>	<p><b>1) Stem, Seal Int</b>                  , Y119717-11340 x8  <b>2) Stem, Seal Exh</b>                  , Y119717-11350 x8</p>	<p><b>1) Spring, Valve</b>                  , Y129508-11130 x16  <b>2) Cap, Valve</b>                  , Y129150-11370</p>
 <p><b>Thermostat</b>                  , Y129155-49801</p>	 <p><b>1) Oil Pump</b>                  , Y129001-32001 (3)                  , Y119802-32100SET (3)  <b>2) Oil Cooler</b>                  , Y129508-33030 (3)</p>	 <p><b>Electric Fuel Pump</b>                  , Y119225-52102                  , Y129612-52100</p>	 <p><b>Water Pump</b>                  , 1) Y129001-42004 (3)                  , 2) Y129100-42004 (3)                  , 3) Y129263-42000 (3)                  , 4) Y129508-42001 (2)</p>	 <p><b>Repair Sleeve</b>                  , 84RS</p>

(1): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. (2): Like Y129001-42004, with Inject Pump cooling connections. Do not use in applications that require a crankshaft driven balancer unit.  
 (3): Check application for proper usage.

**Engine Model:**  
TK486V

**Engine Desc:**  
Thermo King

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.38 in / 86.00 mm Stroke: 3.54 in / 90.00 mm

**Thermo King**

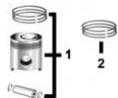
SB-130  
SB-210+  
SB-310+  
SB-400

SB-200TG  
SB-230  
SB-330



**Engine O/H Kit**

- YOKTK486V
- YOKTK486V/25
- YOKTK486V/50
- SPEC SHEET - YOKTK486V



**1) Piston & Ring Kit**

- Y13-1064 Std.
- Y13-1065 0.25
- Y13-1066 0.50

**Use 4**

**2) Ring Set**

- Y13-355 Std.
- Y13-461 0.25
- Y13-455 0.50



**Main Bearing**

- Y129001-02931 Std.
- (13-920)
- Y129150-02871 0.25
- (13-921)

**Use 5 Sold by Pairs**



**Con Rod Bearing**

- Y129150-23601 Std.
- (13-924)
- Y129150-23611 0.25
- (13-925)

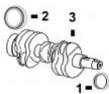
**Use 4 Sold by Pairs**



**Thrust Washers**

- Y129150-02931
- (13-927)

**Set of 4**



**1) Front Seal**

- Y129795-01800
- (33-4088)

**2) Rear Seal**

- Y33-2974
- (33-2974)

**3) Crankshaft**

- Y129407-21000
- (13-351)



**1) O/H Gasket Set**

- YMGS486V

**2) Head Gasket**

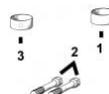
- Y33-5056

**3) Liquid Gasket**

- Y977770-1207F

**4) Rocker Cover Gsk**

- Y129160-11310
- (13-340)



**1) Bush, Con Rod**

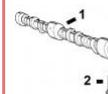
- Y129100-23910 x4
- (11-8953)

**2) Bolt, Con Rod**

- Y121550-23200 x8

**3) Bushing, Cam**

- Y129795-02412 x1
- (13-926)



**1) Tappet**

- Y129150-14200 x8
- (11-6717)

**2) Camshaft**

- Y729402-14580
- (11-9261)

**Valve, Intake**

- Y129004-11130 x4
- (13-932)

**Valve, Exhaust**

- Y129100-11130 x4
- (13-659)

**Guide, Valve**

**1) Intake**

- Y120130-11860 x4
- (11-8928)

**2) Exhaust**

- Y129150-11810 x4
- (11-8929)

**1) Stem, Seal Int**

- Y124460-11340 x4

**2) Stem, Seal Exh**

- Y121400-11340 x4
- (11-8934)

**Spring, Valve**

- Y129795-11120 x8
- (11-8932)

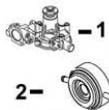


**1) Thermostat**

- Y129155-49801
- (13-385)

**2) Injector**

- Y729004-53101
- (13-370)



**1) Water Pump**

- Y13-509

**2) Oil Cooler**

- Y129508-33030



**Repair Sleeve**

- 86RS

(1): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. Do not use in applications that require a crankshaft driven balancer unit.

(2): O/H Gasket does not include Rear Seal Y33-2974. Please order separately.

(3): With Cooling Pipes/Nipples.

**YANMAR 4TNV86CT, TURBO, COMMON RAIL INJECTION**

**Engine Model:**

4TNV86CT

**Engine Desc:**

TURBOCHARGE

**Engine Data:**

TIER 4 FINAL

**Engine Info:**

4 Cyl

**Engine**

**Dimensions:**

Bore: 86.00 mm / 3.386 in  
Stroke: 90.00mm / 3.543 in  
Displacement: 2090 cc (127.5 in3)

**Yanmar Engine Models**

4TNV86CT-KKTF  
4TNV86CT-YOSAN  
4TNV86CT-MJT  
4TNV86CT-KJFM  
4TNV86CT-MJT  
4TNV86CT-PTB  
4TNV86CT-PTB1  
4TNV86CT-DTR  
4TNV86CT-PBV  
4TNV86CT-DSS1

**John Deere**

312GR - Skid Steer  
314G - Skid Steer  
4052R - Compact Utility Tractor  
4066R - Compact Utility Tractor  
8000S - Fairway Mower

**TAKEUCHI**

TB260 - Excavator

**TORO**

4500 Ground Master - Mower

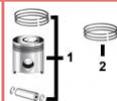
**Yanmar**

VI055-5CR - Excavator



**Engine O/H Kit**

- YOK4TNV86CT
- YOK4TNV86CT/25



**1) Piston & Ring Kit**

- Y129A01-22080 Std.
- Y129A01-22900 0.25

**Use 4**

**2) Ring Set**

- Y129A01-22500 Std.
- Y129A01-22950 0.25



**Main Bearing**

- Y129001-02931 Std.
- Y129150-02871 0.25

**Use 5 Sold by Pairs**



**Con Rod Bearing**

- Y129150-23601 Std.
- Y129150-23611 0.25

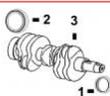
**Use 4 Sold by Pairs**



**Thrust Washers**

- Y129150-02931

**Set of 4**



**1) Front Seal**

- Y119934-01800

**2) Rear Seal**

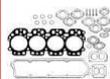
- Y129795-01780

**3) Crankshaft**

- Y129558-21000

**4) Ring Gear**

- Y124550-21600



**1) O/H Gasket Set**

- TMIA883065

**2) Head Gasket**

- Y129C01-01331

**3) Rocker Cover Gasket**

- Y129C00-11310

**4) Intake Manifold Gasket**

- Y129C00-12110

**5) Exhaust Manifold Gasket**

- Y129C00-13110

**6) Liquid Gasket**

- Y977770-1207F



**1) Bush, Con Rod**

- Y129100-23910 x4

**2) Bolt, Con Rod**

- Y121550-23200 x8

**3) Bushing, Cam**

- Y129795-02412 x1

**4) Cylinder Head Bolt**

- Y129150-01200 x18

**5) Connecting Rod**

- Y729402-23100 x4



**1) Tappet**

- Y129150-14200 x8

**2) Camshaft**

- Y129C00-14580

**3) Push Rod**

- Y129150-14400 x8

**Valve, Intake**

- Y129005-11100 x4

**Valve, Exhaust**

- Y129100-11130 x4

**Guide, Valve Intake**

- Y120130-11860 x4

**Guide, Valve Exhaust**

- Y129150-11810 x4

**Stem, Seal Intake**

- Y124460-11340 x4

**Stem, Seal Exhaust**

- Y129A00-11340 x4

**Spring, Valve**

- Y129795-11120 x8

**Cap, Valve**

- Y129150-11370 x8

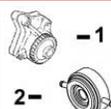
**Lock, Valve**

- Y27310-080001 x16



**Thermostat**

- Y129155-49801



**1) Oil Pump**

- Y129A01-32000

**2) Oil Cooler**

- Y129508-33010



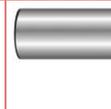
**Electric Fuel Pump**

- Y129612-52100



**Water Pump**

- Y129A01-42000 (1)



**Repair Sleeve**

- 86RS x4



**Glow Plug**

- Y129008-77800

(1): Check your application for proper usage.

**Engine Model:**  
3TNV88

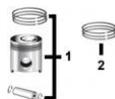
**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 3.46 in / 88.00 mm

Please see page 619 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK3TNV88  
 , YOK3TNV88/25  
 , SPEC SHEET - YOK3TNV88



**1) Piston & Ring Kit**  
 , Y129005-22080 Std.  
 , Y129005-22900 0.25  
**Use 3**  
**2) Ring Set**  
 , Y129005-22500 Std.  
 , Y129005-22950 0.25



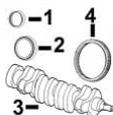
**Main Bearing**  
 , Y129001-02931 Std.  
 , Y129150-02871 0.25  
**Use 4 Sold by Pairs**



**Con Rod Bearing**  
 , Y129150-23601 Std.  
 , Y129150-23611 0.25  
**Use 3 Sold by Pairs**



**Thrust Washers**  
 , Y129150-02931  
**Set of 4**



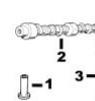
**1) Front Seal**  
 , Y129795-01800  
**2) Rear Seal**  
 , Y129795-01780  
**3) Crankshaft**  
 , Y129001-21100  
**4) Flywheel Ring Gear**  
 , Y124550-21600 127T



**1) O/H Gasket Set**  
 , YMGS3TNE88  
**2) Head Gasket**  
 , Y129001-01340  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129004-11310



**1) Bush, Con Rod**  
 , Y129100-23910 x3  
**2) Bolt, Con Rod**  
 , Y121550-23200 x6  
**3) Bushing, Cam**  
 , Y129795-02412 x1  
**4) Connecting Rod**  
 , Y729402-23100  
**5) Bolt, Cylinder Head**  
 , Y129150-01200 x14



**1) Tappet**  
 , Y129150-14200 x6  
**2) Camshaft**  
 , Y129129-14580  
**3) Push Rod**  
 , Y129150-14400 x6

**Valve, Intake**  
 , Y129005-11100 x3

**Valve, Exhaust**  
 , Y129100-11130 x3

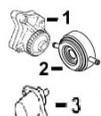
**Guide, Valve**  
**1) Intake**  
 , Y120130-11860 x3  
**2) Exhaust**  
 , Y129150-11810 x3

**1) Stem, Seal Int**  
 , Y124460-11340 x3  
**2) Stem, Seal Exh**  
 , Y121400-11340 x3

**1) Spring, Valve**  
 , Y129795-11120 x6  
**2) Cap, Valve**  
 , Y129150-11370



**1) Thermostat**  
 , Y129155-49801  
**2) Injector**  
 , Y729004-53101 2



**1) Oil Pump**  
 , Y129001-32001 2  
 , Y119802-32100SET 2  
**2) Oil Cooler**  
 , Y129508-33030 2  
**3) Solenoid, Fuel Stop**  
 , Y119653-77950 2



**Electric Fuel Pump**  
 , Y119225-52102  
 , Y129612-52100



**Water Pump**  
 , 1) Y129001-42004 2  
 , 2) Y129100-42004 2  
 , 3) Y129263-42000 2  
 , 4) Y129508-42001 3



**Repair Sleeve**  
 , 88RS



**Glow Plug**  
 , Y129008-77800

(1): Gear not included.

(3): Like Y129001-42004, with Inject Pump cooling connections.

(2): Check your application for proper usage.

(4): The intake manifold and EGR gaskets for 3TNV88F series engines are not included in this gasket set and must be purchased from an OE Yanmar dealer.

**Engine Model:**  
4TNV88

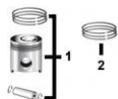
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.46 in / 88.00 mm

Please see page 620 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNV88  
 , YOK4TNV88/25  
 , Spec Sheet - YOK4TNV88



**1) Piston & Ring Kit**  
 , Y129005-22080 Std.  
 , Y129005-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129005-22500 Std.  
 , Y129005-22950 0.25



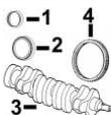
**Main Bearing**  
 , Y129001-02931 Std.  
 , Y129150-02871 0.25  
**Use 4 Sold by Pairs**



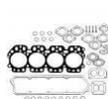
**Con Rod Bearing**  
 , Y129150-23601 Std.  
 , Y129150-23611 0.25  
**Use 4 Sold by Pairs**



**Thrust Washers**  
 , Y129150-02931  
**Set of 4**



**1) Front Seal**  
 , Y129795-01800  
**2) Rear Seal**  
 , Y129795-01780  
**3) Crankshaft**  
 , Y129407-21000  
**4) Flywheel Ring Gear**  
 , Y124550-21600 127T



**1) O/H Gasket Set**  
 , YMGS4TNE88  
**2) Head Gasket**  
 , Y129407-01340  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129601-11310



**1) Bush, Con Rod**  
 , Y129100-23910 x4  
**2) Bolt, Con Rod**  
 , Y121550-23200 x8  
**3) Bushing, Cam**  
 , Y129795-02412 x1  
**4) Connecting Rod**  
 , Y729402-23100  
**5) Bolt, Cylinder Head**  
 , Y129150-01200



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y729402-14580  
**3) Push Rod**  
 , Y129150-14400 x8

**Valve, Intake**

, Y129005-11100 x4 With  
 a 1.496 head diameter.  
 , Y129004-11130 x4 With  
 a 1.417 head diameter.

**Valve, Exhaust**

, Y129100-11130 x4

**Guide, Valve**

**1) Intake**  
 , Y120130-11860 x4  
**2) Exhaust**  
 , Y129150-11810 x4

**1) Stem, Seal Int**

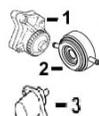
, Y124460-11340 x4  
**2) Stem, Seal Exh**  
 , Y121400-11340 x4

**1) Spring, Valve**

, Y129795-11120 x8  
**2) Cap, Valve**  
 , Y129150-11370



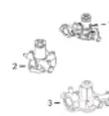
**1) Thermostat**  
 , Y129155-49801  
**2) Injector**  
 , Y729004-53101 (3)



**1) Oil Pump**  
 , Y129001-32001 (3)  
 , Y119802-32100SET (3)  
**2) Oil Cooler**  
 , Y129508-33030 (3)  
**3) Solenoid, Fuel Stop**  
 , Y119653-77950 (3)



**Electric Fuel Pump**  
 , Y119225-52102  
 , Y129612-52100



**Water Pump**  
 , 1) Y129001-42004 (3)  
 , 2) Y129100-42004 (3)  
 , 3) Y129263-42000 (3)  
 , 4) Y129508-42001 (2)



**Repair Sleeve**  
 , 88RS



**Glow Plug**  
 , Y129008-77800

(1): Gear not included. Suitable for 4TNE84/88 and 4TNV84/88. (2): Like Y129001-42004, with Inject Pump cooling connections. Do not use in applications that require a crankshaft driven balancer unit.  
 (3): Check application for proper usage.

**Engine Model:**  
3TNV88C

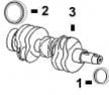
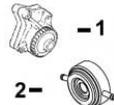
**Engine Desc:**  
NATURALLY ASPIRATED

**Engine Data:**  
TIER 4 FINAL

**Engine Info:**  
3 Cyl

**Engine Dimensions:**  
Bore: 88.00 mm / 3.46  
in Stroke: 90.00mm /  
3.543 in Displacement:  
1642 cc (100.2 in3)

Please see page 621 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                      , YOK3TNV88C                      , YOK3TNV88C/25</p>	 <p><b>1) Piston &amp; Ring Kit</b>                      , Y129C00-22080 Std.                      , Y129C00-22900 0.25  <b>Use 3</b>  <b>2) Ring Set</b>                      , Y129A00-22500 Std.                      , Y129A00-22950 0.25</p>	 <p><b>Main Bearing</b>                      , Y129001-02931 Std.                      , Y129150-02871 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>                      , Y129150-23601 Std.                      , Y129150-23611 0.25  <b>Use 3 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>                      , Y129150-02931  <b>Set of 4</b></p>	
 <p><b>1) Front Seal</b>                      , Y119934-01800  <b>2) Rear Seal</b>                      , Y129795-01780  <b>3) Crankshaft</b>                      , Y129001-21100</p>	 <p><b>1) O/H Gasket Set</b>                      , Y129A24-92600  <b>2) Head Gasket</b>                      , Y129A00-01331  <b>3) Rocker Cover Gasket</b>                      , Y129A00-11310  <b>4) Intake Manifold Gasket</b>                      , Y129A00-12110  <b>5) Exhaust Manifold Gasket</b>                      , Y129A00-13110  <b>6) Liquid Gasket</b>                      , Y977770-1207F</p>	 <p><b>1) Bush, Con Rod</b>                      , Y129100-23910 x3  <b>2) Bolt, Con Rod</b>                      , Y121550-23200 x6  <b>3) Bushing, Cam</b>                      , Y129795-02412 x1  <b>4) Cylinder head bolts</b>                      , Y129150-01200  <b>5) Connecting rod</b>                      , Y729402-23100</p>	 <p><b>1) Tappet</b>                      , Y129150-14200 x6  <b>2) Camshaft</b>                      , Y129A00-14580  <b>3) Push Rod</b>                      , Y129150-14400 x6</p>		
<p><b>Valve, Intake</b>                      , Y129005-11100 x3</p>	<p><b>Valve, Exhaust</b>                      , Y129100-11130 x3</p>	<p><b>Guide, Intake Valve</b>                      , Y120130-11860 x3  <b>Guide, Exhaust Valve</b>                      , Y129150-11810 x3</p>	<p><b>Stem, Seal Intake</b>                      , Y124460-11340 x3  <b>Stem, Seal Exhaust</b>                      , Y129A00-11340 x3  <b>Lock, Valve</b>                      , Y27310-080001 x12</p>	<p><b>Spring, Valve</b>                      , Y129795-11120 x6  <b>Cap, Valve</b>                      , Y129150-11370 x6</p>	
 <p><b>Thermostat</b>                      , Y129155-49801</p>	 <p><b>1) Oil Pump</b>                      , Y129A00-32000  <b>2) Oil Cooler</b>                      , Y129508-33030</p>	 <p><b>Electric Fuel Pump</b>                      , Y129612-52100</p>	 <p><b>Water Pump</b>                      , Y129A01-42000 (1)</p>	 <p><b>Repair Sleeve</b>                      , 88RS</p>	 <p><b>Glow Plug</b>                      , Y129008-77800</p>

(1): Check your application for proper usage.

**Engine Model:**  
4TNV88C

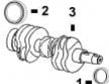
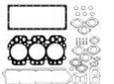
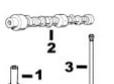
**Engine Desc:**  
NATURALLY ASPIRATED

**Engine Data:**  
TIER 4 FINAL

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 88.00 mm / 3.46  
in Stroke: 90.00mm /  
3.543 in Displacement:  
2190 cc (133.6 in3)

Please see page 622 for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>                      , YOK4TNV88C                      , YOK4TNV88C/25</p>	 <p><b>1) Piston &amp; Ring Kit</b>                      , Y129C00-22080 Std.                      , Y129C00-22900 0.25  <b>Use 4</b>  <b>2) Ring Set</b>                      , Y129A00-22500 Std.                      , Y129A00-22950 0.25</p>	 <p><b>Main Bearing</b>                      , Y129001-02931 Std.                      , Y129150-02871 0.25  <b>Use 5 Sold by Pairs</b></p>	 <p><b>Con Rod Bearing</b>                      , Y129150-23601 Std.                      , Y129150-23611 0.25  <b>Use 4 Sold by Pairs</b></p>	 <p><b>Thrust Washers</b>                      , Y129150-02931  <b>Set of 4</b></p>	
 <p><b>1) Front Seal</b>                      , Y119934-01800  <b>2) Rear Seal</b>                      , Y129795-01780  <b>3) Crankshaft</b>                      , Y129407-21000</p>	 <p><b>1) O/H Gasket Set</b>                      , Y129C20-92600  <b>2) Head Gasket</b>                      , Y129685-01350  <b>3) Rocker Cover Gasket</b>                      , Y129C00-11310  <b>4) Intake Manifold Gasket</b>                      , Y129C00-12110  <b>5) Exhaust Manifold Gasket</b>                      , Y129C00-13110  <b>6) Liquid Gasket</b>                      , Y977770-1207F</p>	 <p><b>1) Bush, Con Rod</b>                      , Y129100-23910 x4  <b>2) Bolt, Con Rod</b>                      , Y121550-23200 x8  <b>3) Bushing, Cam</b>                      , Y129795-02412 x1  <b>4) Cylinder head bolts</b>                      , Y129150-01200  <b>5) Connecting rod</b>                      , Y729402-23100</p>	 <p><b>1) Tappet</b>                      , Y129150-14200 x8  <b>2) Camshaft</b>                      , Y129C00-14580  <b>3) Push Rod</b>                      , Y129150-14400 x8</p>		
<p><b>Valve, Intake</b>                      , Y129005-11100 x3</p>	<p><b>Valve, Exhaust</b>                      , Y129100-11130 x3</p>	<p><b>Guide, Intake Valve</b>                      , Y120130-11860 x4  <b>Guide, Exhaust Valve</b>                      , Y129150-11810 x4</p>	<p><b>Stem, Seal Intake</b>                      , Y124460-11340 x4  <b>Stem, Seal Exhaust</b>                      , Y129A00-11340 x4</p>	<p><b>Spring, Valve</b>                      , Y129795-11120 x8  <b>Cap, Valve</b>                      , Y129150-11370 x8  <b>Lock, Valve</b>                      , Y27310-080001 x16</p>	
 <p><b>Thermostat</b>                      , Y129155-49801</p>	 <p><b>1) Oil Pump</b>                      , Y129C00-32000  <b>2) Oil Cooler</b>                      , Y129508-33030 <b>2</b></p>	 <p><b>Electric Fuel Pump</b>                      , Y129612-52100</p>	 <p><b>Water Pump</b>                      , Y129A01-42000 <b>1</b></p>	 <p><b>Repair Sleeve</b>                      , 88RS</p>	 <p><b>Glow Plug</b>                      , Y129008-77800</p>

(1): Check your application for proper usage.

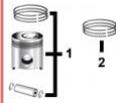
**Engine Model:**  
4TNV94L

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.70 in / 94.00 mm  
Stroke: 4.331 in / 110 mm



**Engine O/H Kit**  
 , YOK4TNV94  
 , YOK4TNV94/25  
 , SPEC SHEET - YOK4TNV94



**1) Piston & Ring Kit**  
 , Y129906-22080 Std.  
 , Y729906-22900 0.25

**Use 4**

**2) Ring Set**  
 , Y129906-22050 Std.  
 , Y729906-22950 0.25



**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25

**Set of 5 Pairs**



**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25

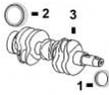
**Set of 4 Pairs**



**Thrust Washers**  
 , Y129900-02931 Std.

**Set of 4**

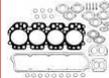
Please see page 623 for a complete list of equipment models.



**1) Front Seal**  
 , Y129916-01800

**2) Rear Seal**  
 , Y129916-01790

**3) Crankshaft**  
 , Y129902-21000



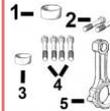
**1) O/H Gasket Set**  
 , YMGS4TNV94/98

**2) Head Gasket**  
 , Y129907-01331

**3) Liquid Gasket**  
 , Y977770-1207F

**4) Rocker Cover Gsk**  
 , Y129907-11310

**5) Silencer Gasket**  
 , Y129930-13201



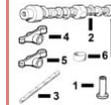
**1) Bush, Con Rod**  
 , Y129900-23911

**2) Bolt, Con Rod**  
 , Y129900-23200 x8

**3) Bushing, Cam**  
 , Y129900-02410

**4) Bolt, Cyl Head**  
 , Y129900-01200 x18

**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8

**2) Camshaft**  
 , Y129908-14581

**3) Rocker Arm Shaft**  
 , Y129907-11250

**4) Rocker Arm Intake**  
 , Y129907-11650

**5) Rocker Arm Exhaust**  
 , Y129907-11660

**6) Protector, Nozzle**  
 , Y119802-11870

**7) Push Rod**  
 , Y129907-14400 x8

**Valve, Intake**  
 , Y129907-11100 x8

**Valve, Exhaust**  
 , Y129907-11110 x8

**Guide, Valve**  
 , Y129907-11800 x16

**1) Lock, Valve**  
 , Y27310-070001 x32

**2) Stem, Seal Int**  
 , Y124160-11340 x8

**3) Stem, Seal Exh**  
 , Y124950-11340 x8

**1) Spring, Valve**  
 , Y129907-11120 x16

**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811 (3)  
 , Y121850-49801 (3)



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y119225-52102  
 , Y129612-52100



**Water Pump**  
 , Y129907-42000  
 , Y129907-42051 (2)



**Water Pump Gasket**  
 , Y129900-42020



**Repair Sleeve**  
 , 94RS

(1): On engines using piston kit Y129906-22080, use Maxiforce Head Gasket Y129907-01331 (replaces head gasket # 129906-01340). Engines using piston kit 129906-22090 (no longer offered by Yanmar) can use Maxiforce head gasket Y129907-01331 or 129906-01350 head gasket (supplied by OE Yanmar only).

(3): Check your application for proper usage.

(2): Forklift Applications.

**Engine Model:**  
4TNV98

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 624 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNV98D  
 , YOK4TNV98D/25  
 , SPEC SHEET - YOK4TNV98D



**1) Piston & Ring Kit**  
 , Y129927-22080 Std.  
 , Y729927-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129927-22050 Std.  
 , Y729927-22950 0.25



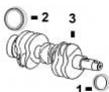
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



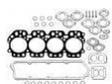
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



**Thrust Washers**  
 , Y129900-02931 Std.  
**Set of 4**



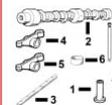
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**  
 , Y129902-21000



**1) O/H Gasket Set**  
 , YMGS4TNV94/98  
**2) Head Gasket**  
 , Y129907-01331  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129907-11310  
**5) Silencer Gasket**  
 , Y129930-13201



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y129908-14581  
**3) Rocker Arm Shaft**  
 , Y129907-11250  
**4) Rocker Arm Intake**  
 , Y129907-11650  
**5) Rocker Arm Exhaust**  
 , Y129907-11660  
**6) Protector, Nozzle**  
 , Y119802-11870  
**7) Push Rod**  
 , Y129907-14400 x8

**Valve, Intake**  
 , Y129907-11110 x8

**Valve, Exhaust**  
 , Y129907-11110 x8

**Guide, Valve**  
 , Y129907-11800 x16

**1) Lock, Valve**  
 , Y27310-070001 x32  
**2) Stem, Seal Int**  
 , Y124160-11340 x8  
**3) Stem, Seal Exh**  
 , Y124950-11340 x8

**1) Spring, Valve**  
 , Y129907-11120 x16  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811  
 , Y121850-49801



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y119225-52102  
 , Y129612-52100



**Water Pump**  
 , Y129907-42000



**Water Pump Gasket**  
 , Y129900-42020



**Repair Sleeve**  
 , 98RS

(1): Check application for proper usage.

**Engine Model:**  
4TNV98

**Engine Info:**  
4 Cyl

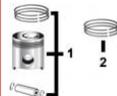
**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 625 for a complete list of equipment models.



**Engine O/H Kit**

- YOK4TNV98D2
- YOK4TNV98D2/25
- SPEC SHEET - YOK4TNV98D2



**1) Piston & Ring Kit**

- Y129907-22090 Std.
- Y729907-22910 0.25

**Use 4**

**2) Ring Set**

- Y129907-22050 Std.
- Y729907-22950 0.25



**Main Bearing**

- Y729900-02801 Std.
- Y129900-02341 0.25

**Set of 5 Pairs**



**Con Rod Bearing**

- Y129900-23601 Std.
- Y129900-23611 0.25

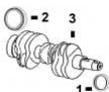
**Set of 4 Pairs**



**Thrust Washers**

- Y129900-02931 Std.

**Set of 4**



**1) Front Seal**

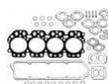
- Y129916-01800

**2) Rear Seal**

- Y129916-01790

**3) Crankshaft**

- Y129902-21000



**1) O/H Gasket Set**

- YMGS4TNV94/98

**2) Head Gasket**

- Y129907-01331

**3) Liquid Gasket**

- Y977770-1207F

**4) Rocker Cover Gsk**

- Y129907-11310

**5) Silencer Gasket**

- Y129930-13201



**1) Bush, Con Rod**

- Y129900-23911

**2) Bolt, Con Rod**

- Y129900-23200 x8

**3) Bushing, Cam**

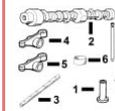
- Y129900-02410

**4) Bolt, Cyl Head**

- Y129900-01200 x18

**5) Connecting Rod**

- Y129900-23001



**1) Tappet**

- Y129150-14200 x8

**2) Camshaft**

- Y129908-14581

**3) Rocker Arm Shaft**

- Y129907-11250

**4) Rocker Arm Intake**

- Y129907-11650

**5) Rocker Arm Exhaust**

- Y129907-11660

**6) Protector, Nozzle**

- Y119802-11870

**7) Push Rod**

- Y129907-14400 x8

1

**Valve, Intake**

- Y129907-11100 x8

**Valve, Exhaust**

- Y129907-11110 x8

**Guide, Valve**

- Y129907-11800 x16

**1) Lock, Valve**

- Y27310-070001 x32

**2) Stem, Seal Int**

- Y124160-11340 x8

**3) Stem, Seal Exh**

- Y124950-11340 x8

**1) Spring, Valve**

- Y129907-11120 x16

**2) Cap, Valve**

- Y129150-11370



**Thermostat**

- Y121850-49811
- Y121850-49801



**Oil Pump**

- Y129900-32001



**Electric Fuel Pump**

- Y119225-52102
- Y129612-52100



**Water Pump**

- Y129907-42000



**Water Pump Gasket**

- Y129900-42020



**Repair Sleeve**

- 98RS

(1): Check application for proper usage.

**Engine Model:**  
4TNV98C, Tier 4

**Engine Data:**  
4Y33D

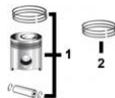
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 626 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNV98C  
 , YOK4TNV98C/25  
 , SPEC SHEET - YOK4TNV98C



**1) Piston & Ring Kit**  
 , Y129E00-22080 Std.  
 , Y129E00-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129E00-22050 Std.  
 , Y129E00-22950 0.25



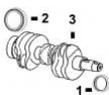
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



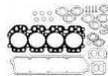
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



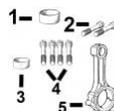
**Thrust Washers**  
 , Y129900-02931 Std.  
**Set of 4**



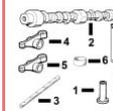
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**



**1) O/H Gasket Set**  
 , Y129E22-92600  
**2) Head Gasket**  
 , Y129E00-01330  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gasket**  
 , Y129E00-11310  
**5) Intake Manifold Gasket**  
 , Y129E00-12110  
**6) Exhaust Manifold Gasket**  
 , Y129E00-13110



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
**3) Rocker Arm Shaft**  
**4) Rocker Arm Intake**  
**5) Rocker Arm Exhaust**  
**7) Push Rod**

**Valve, Intake**  
 , Y129900-11100

**Valve, Exhaust**  
 , Y129900-11110

**Guide, Valve**  
 , Y129150-11810

**1) Lock, Valve**  
 , Y27310-080001  
**2) Valve Seal**  
 , Y129A00-11340

**1) Spring, Valve**  
 , Y129900-11120  
**2) Cap, Valve**  
 , Y129150-11370



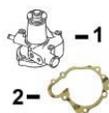
**Thermostat**  
 , Y121850-49801 (1)  
 , Y121850-49811  
**Gasket, Thermostat**  
 , Y121850-49540 (1)  
 , Y121850-49550 (1)



**Oil Pump**  
 , Y129900-32001



**Electric Fuel Pump**  
 , Y129612-52100



**Water Pump**  
 , Y129900-42002 (1)  
 , Y129932-42100 (1)  
 , Y129E30-42100 (1)  
 , Y129E00-42100 (1)  
**2) Gasket, Water Pump**  
 , Y129900-42020



**Glow Plug**  
 , Y129008-77800



**Repair Sleeve**  
 , 98RS

(1): Check application for proper usage.

**Engine Model:**  
4TNV98T

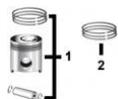
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 627 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNV98T  
 , YOK4TNV98T/25  
 , SPEC SHEET - YOK4TNV98T



**1) Piston & Ring Kit**  
 , Y129908-22080 Std.  
 , Y729908-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129907-22050 Std.  
 , Y729907-22950 0.25



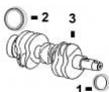
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



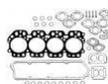
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



**Thrust Washers**  
 , Y129900-02931 Std.  
**Set of 4**



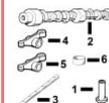
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**  
 , Y129908-21000



**1) O/H Gasket Set**  
 , YMGS4TNV94/98  
**2) Head Gasket**  
 , Y129907-01331  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gsk**  
 , Y129907-11310  
**5) Turbo Mounting Gasket**  
 , Y123901-18090  
**6) Turbo Exhaust Gasket**  
 , Y123901-18080



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
 , Y129908-14581  
**3) Rocker Arm Shaft**  
 , Y129907-11250  
**4) Rocker Arm Intake**  
 , Y129907-11650  
**5) Rocker Arm Exhaust**  
 , Y129907-11660  
**6) Protector, Nozzle**  
 , Y119802-11870  
**7) Push Rod**  
 , Y129907-14400 x8

**Valve, Intake**  
 , Y129907-11100 x8

**Valve, Exhaust**  
 , Y129907-11110 x8

**Guide, Valve**  
 , Y129907-11800 x16

**1) Lock, Valve**  
 , Y27310-070001 x32  
**2) Stem, Seal Int**  
 , Y124160-11340 x8  
**3) Stem, Seal Exh**  
 , Y124950-11340 x8

**1) Spring, Valve**  
 , Y129907-11120 x16  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49811  
 , Y121850-49801



**Oil Pump**  
 , Y129908-32060



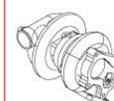
**Electric Fuel Pump**  
 , Y119225-52102  
 , Y129612-52100



**1) Water Pump**  
 , Y129907-42000  
**2) Water Pump Gasket**  
 , Y129900-42020



**Repair Sleeve**  
 , 98RS



**Turbocharger**  
 , Y129935-18010

(1): Check application for proper usage.

**Engine Model:**  
4TNV98T

**Engine Info:**  
4 Cyl

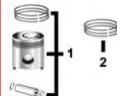
**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page **628** for a complete list of equipment models.



**Engine O/H Kit**

- YOK4TNV98T2
- YOK4TNV98T2/25
- SPEC SHEET - YOK4TNV98T2



**1) Piston & Ring Kit**

- Y129928-22080 Std.
- Y729928-22900 0.25

**Use 4**

**2) Ring Set**

- Y129927-22050 Std.
- Y729927-22950 0.25



**Main Bearing**

- Y729900-02801 Std.
- Y129900-02341 0.25

**Set of 5 Pairs**



**Con Rod Bearing**

- Y129900-23601 Std.
- Y129900-23611 0.25

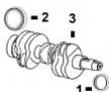
**Set of 4 Pairs**



**Thrust Washers**

- Y129900-02931 Std.

**Set of 4**



**1) Front Seal**

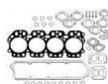
- Y129916-01800

**2) Rear Seal**

- Y129916-01790

**3) Crankshaft**

- Y129908-21000



**1) O/H Gasket Set**

- YMGS4TNV94/98

**2) Head Gasket**

- Y129907-01331

**3) Liquid Gasket**

- Y977770-1207F

**4) Rocker Cover Gsk**

- Y129933-11310

**5) Turbo Mounting Gasket**

- Y123901-18090

**6) Turbo Exhaust Gasket**

- Y123901-18080



**1) Bush, Con Rod**

- Y129900-23911

**2) Bolt, Con Rod**

- Y129900-23200 x8

**3) Bushing, Cam**

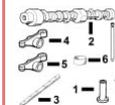
- Y129900-02410

**4) Bolt, Cyl Head**

- Y129900-01200 x18

**5) Connecting Rod**

- Y129900-23001



**1) Tappet**

- Y129150-14200 x8

**2) Camshaft**

- Y129908-14581

**3) Rocker Arm Shaft**

- Y129907-11250

**4) Rocker Arm Intake**

- Y129907-11650

**5) Rocker Arm Exhaust**

- Y129907-11660

**6) Protector, Nozzle**

- Y119802-11870

**7) Push Rod**

- Y129907-14400 x8

**Valve, Intake**

- Y129907-11110 x8

**Valve, Exhaust**

- Y129907-11110 x8

**Guide, Valve**

- Y129907-11800 x16

**1) Lock, Valve**

- Y27310-070001 x32

**2) Stem, Seal Int**

- Y124160-11340 x8

**3) Stem, Seal Exh**

- Y124950-11340 x8

**1) Spring, Valve**

- Y129907-11120 x16

**2) Cap, Valve**

- Y129150-11370



**Thermostat**

- Y121850-49811
- Y121850-49801



**Oil Pump**

- Y129908-32060



**Electric Fuel Pump**

- Y119225-52102
- Y129612-52100



**1) Water Pump**

- Y129907-42000

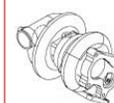
**2) Water Pump Gasket**

- Y129900-42020



**Repair Sleeve**

- 98RS



**Turbocharger**

- Y129935-18010

(1): Check application for proper usage.

**Engine Model:**  
4TNV98CT, Tier 4

**Engine Data:**  
4Y33T

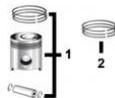
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.86 in / 98.00 mm Stroke: 4.331 in / 110 mm

Please see page 629 for a complete list of equipment models.



**Engine O/H Kit**  
 , YOK4TNV98CT  
 , YOK4TNV98CT/25  
 , SPEC SHEET - YOK4TNV98CT



**1) Piston & Ring Kit**  
 , Y129E01-22080 Std.  
 , Y129E01-22900 0.25  
**Use 4**  
**2) Ring Set**  
 , Y129E00-22050 Std.  
 , Y129E00-22950 0.25



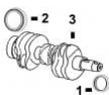
**Main Bearing**  
 , Y729900-02801 Std.  
 , Y129900-02341 0.25  
**Set of 5 Pairs**



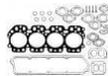
**Con Rod Bearing**  
 , Y129900-23601 Std.  
 , Y129900-23611 0.25  
**Set of 4 Pairs**



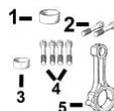
**Thrust Washers**  
 , Y129900-02931 Std.  
**Set of 4**



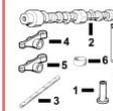
**1) Front Seal**  
 , Y129916-01800  
**2) Rear Seal**  
 , Y129916-01790  
**3) Crankshaft**



**1) O/H Gasket Set**  
 , Y129E30-92610  
**2) Head Gasket**  
 , Y129E00-01330  
**3) Liquid Gasket**  
 , Y977770-1207F  
**4) Rocker Cover Gasket**  
 , Y129E00-11310  
**5) Intake Manifold Gasket**  
 , Y129E00-12110  
**6) Exhaust Manifold Gasket**  
 , Y129E00-13110



**1) Bush, Con Rod**  
 , Y129900-23911  
**2) Bolt, Con Rod**  
 , Y129900-23200 x8  
**3) Bushing, Cam**  
 , Y129900-02410  
**4) Bolt, Cyl Head**  
 , Y129900-01200 x18  
**5) Connecting Rod**  
 , Y129900-23001



**1) Tappet**  
 , Y129150-14200 x8  
**2) Camshaft**  
**3) Rocker Arm Shaft**  
**4) Rocker Arm Intake**  
**5) Rocker Arm Exhaust**  
**7) Push Rod**

**Valve, Intake**  
 , Y129900-11100

**Valve, Exhaust**  
 , Y129900-11110

**Guide, Valve**  
 , Y129150-11810

**1) Lock, Valve**  
 , Y27310-080001  
**Seal, Valve**  
 , Y129A00-11340

**1) Spring, Valve**  
 , Y129900-11120  
**2) Cap, Valve**  
 , Y129150-11370



**Thermostat**  
 , Y121850-49801 (1)  
 , Y121850-49811 (1)  
**2) Gasket, Thermostat**  
 , Y121850-49540 (1)  
 , Y121850-49550 (1)



**Oil Pump**  
 , Y129908-32060



**Electric Fuel Pump**  
 , Y129612-52100



**Water Pump**  
 , Y129900-42002 (1)  
 , Y129932-42100 (1)  
 , Y129E30-42100 (1)  
 , Y129E00-42100 (1)  
**2) Gasket, Water Pump**  
 , Y129900-42020



**Glow Plug**  
 , Y129008-77800



**Repair Sleeve**  
 , 98RS

(1): Check application for proper usage.

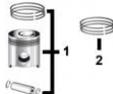
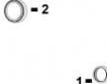
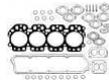
**Engine Model:**  
4TNV106 / 4TNV106T

**Engine Desc:**  
Tier 1 & Tier 2

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 4.17 in / 106.00 mm

Please see page **630** for a complete list of equipment models.

 <p><b>Engine O/H Kit</b>          , YOK4TNV106T          , YOK4TNV106T/25          , SPEC SHEET - YOK4TNV106T</p>	 <p><b>1) Piston &amp; Ring Kit</b>          , Y123907-22081 Std.          , Y723907-22900 0.25  <b>Use 4</b>  <b>2) Ring Set</b>          , Y123907-22050 Std.          , Y723907-22950 0.25</p>	 <p><b>Main Bearing</b>          , Y723900-02800 Std.          , Y123900-02340 0.25  <b>Set of 5 Pairs</b></p>	 <p><b>Con Rod Bearing</b>          , Y123900-23600 Std.          , Y123900-23610 0.25  <b>Set of 4 Pairs</b></p>	 <p><b>Thrust Washers</b>          , Y123900-02930  <b>Set of 4</b></p>
 <p><b>1) Front Seal</b>          , Y123900-01780  <b>2) Rear Seal</b>          , Y123672-01782</p>	 <p><b>1) O/H Gasket Set</b>          , Y723907-92680  <b>2) Head Gasket</b>          , Y123907-01350  <b>3) Turbo Mounting Gasket</b>          , Y123901-18090  <b>4) Turbo Exhaust Gasket</b>          , Y123901-18080</p>	 <p><b>1) Bush, Con Rod</b>          , Y123900-23910 x4  <b>2) Bolt, Con Rod</b>          , Y123900-23200 x8  <b>3) Bushing, Cam</b>          , Y123900-02410 x1  <b>4) Connecting Rod</b>          , Y123900-23000  <b>5) Bolt, Cylinder Head</b>          , Y119174-01200</p>		
<p><b>Valve, Intake</b>          , Y123907-11100 x8</p>	<p><b>Valve, Exhaust</b>          , Y123907-11110 x8</p>	<p><b>Guide, Valve</b>  <b>1) Intake</b>          , Y123907-11800 x8  <b>2) Exhaust</b>          , Y123907-11810 x8</p>	<p><b>1) Lock, Valve</b>          , Y27310-090000 x32  <b>2) Stem, Seal Int</b>          , Y124160-11340 x16</p>	<p><b>Spring, Valve</b>          , Y123907-11120 x16</p>
 <p><b>Thermostat</b>          , Y124610-48620</p>	 <p><b>Oil Pump</b>          , Y123900-32001</p>	 <p><b>Water Pump</b>          , Y123907-42000 <span style="background-color: red; color: white; padding: 2px;">1</span></p>	 <p><b>Turbocharger</b>          , Y123981-18021 <span style="background-color: red; color: white; padding: 2px;">2</span>          , Y123945-18010 <span style="background-color: red; color: white; padding: 2px;">2</span></p>	 <p><b>Repair Sleeve</b>          , 106RS</p>

(1): 2 hose barb connections.

(2): Check application for proper usage.